Lower Passaic River Restoration Project

Low Resolution Coring Supplemental Sampling Program Addendum
Second Supplemental Sampling Program
Characterization Summary
Draft
Lower Passaic River Study Area RI/FS

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Lower Passaic River Study Area RI/FS

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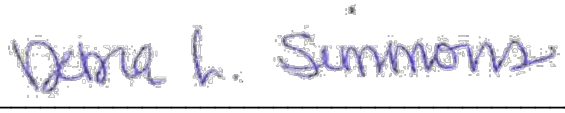

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Executive Summary

The Low Resolution Coring (LRC) Second Supplemental Sampling Program (SSP2) was conducted as part of the Remedial Investigation/Feasibility Study (RI/FS) for the Lower Passaic River Study Area (LPRSA) and is documented in this report. This report presents a summary of the LRC SSP2 activities and results. To provide a complete summary of the RI/FS sediment analytical data collected to date the LRC (AECOM 2011), LRC SSP (AECOM 2013b), and benthic (Windward 2011) sediment sampling programs data have been included on select figures with the LRC SSP2 data.

The LPRSA includes the 17-mile tidal reach of the Lower Passaic River (LPR) from below the Dundee Dam (River Mile [RM] 17.4) to the confluence with Newark Bay (RM 0). The LPRSA also includes the tributaries to this reach (i.e., Saddle River, Second River, Third River, and the unnamed creek to the head of tide). The LRC has included three phases of sampling: (1) the original LRC phase of field work conducted between July 30 through December 16, 2008, (2) the first supplemental sampling program (LRC SSP) conducted between January 9, 2012 and February 16, 2012, and (3) the second supplemental sampling program (LRC SSP2), which is described in this characterization study. The LRC SSP2 sampling was conducted to address the LRC SSP2 Data Quality Objectives (DQOs) as described in the Quality Assurance Project Plan Lower Passaic River Restoration Project Low Resolution Coring Second Supplemental Sampling Program (LRC SSP2 QAPP; AECOM 2013a).

The LRC SSP2 field program was conducted over five weeks between September 23, 2013 and October 26, 2013. Field work was followed by sample analysis, data validation, and report preparation. The LRC SSP2 was developed in accordance with the Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA (United States Environmental Protection Agency [USEPA] 1988a) and the May 2007 Administrative Settlement Agreement and Order on Consent (Settlement Agreement) (USEPA 2007a) to determine the nature and extent of sediment contamination, including identification of potential source areas, and to characterize physical characteristics of the sediment in the LPRSA. Two primary DQOs for the LRC SSP2 were identified (AECOM 2013a):

DQO 1 – Provide additional characterization of the nature and extent of sediment chemistry and fill data needs above RM 8, as identified by USEPA.

DQO 2 – Provide data to support system understanding, sediment surface concentration mapping, and sediment transport and chemical fate and transport (CFT) model parameterization.

Figure ES-1 shows the LRC SSP2 sample locations.

Sixty-six locations for low resolution cores (LRCs) collected by vibracore and surface sediment samples collected with a grab sampler as well as eight locations for surface sediment samples collected with a grab sampler were proposed in the LRC SSP2 QAPP. Changes from this planned sampling effort, as provided for in USEPA-approved field modifications, added four additional LRC and surface sediment grab sample locations and added high resolution cores (HRCs) to two of the LRC and surface sediment grab sample locations. LRCs were successfully collected at 56 locations, grab samples were successfully collected at 74 locations, and HRCs were successfully collected at 2 locations. Locations where cores were not collected had less than 80% recovery on all three core attempts (at one station native material was observed in a core with 75% recovery at a shallow depth

and at a similar depth as core with 89% recovery. The core with 75% recovery was used to provide samples for the lower priority analytes). Grab surface sediment samples were not collected at stations where there was no recovery after three attempts.

The LRC SSP2 included three types of sediment samples or sampling intervals: surficial grab samples, LRCs and HRCs. The surficial sediment grab samples were collected from 0 to 0.5 ft. The LRCs were advanced to either native material or refusal. In the LRCs the following intervals were sampled: 6 inches (at the surface); 1-foot intervals below the surface. Of these samples, the three intervals at the surface (0 to 0.5 ft, 0.5 to 1.5 ft and 1.5 to 2.5 ft) and the bottom interval (one foot above native material or refusal) were submitted for analysis. The remaining sample intervals were archived for potential future analysis. In the HRCs, samples were collected at 0.25-foot intervals for the full length of the core. The 12 sample intervals above 3 ft were submitted for analysis; the remaining samples (i.e., samples below 3 ft) were archived for potential future analysis.

The following chemical, radiochemical, and physical analyses were conducted:

- LRCs and Grab Samples at Stations where LRCs were not collected: polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs), polychlorinated biphenyls (PCBs) (homologs and congeners), polycyclic aromatic hydrocarbon (PAHs) and alkyl PAHs, organochlorine pesticides (not including toxaphene), mercury (low-level), semivolatile organic compounds (SVOCs), target analyte list (TAL) metals and titanium, butyltins, cyanide, total organic carbon (TOC), total petroleum hydrocarbons (TPH) extractable, grain size, specific gravity, and percent moisture.
- HRCs: radiochemistry analysis of Pb-210 (analyzed as Polonium-210 [Po-210] and Radium-226 [Ra-226]) and Cesium-137 (Cs-137) at all HRC locations sampled. Additionally, analysis of PCDDs/PCDFs and pesticides for the HRC at station 13B-0547.
- Grab Samples: total sulfide, acid volatile sulfide/simultaneously extracted metals (AVS/SEM), phosphate (total), total kjeldahl nitrogen (TKN), and ammonia as nitrogen (N).
- Field Analysis: bulk density and salinity (for pore water).

Specific performance goals established for the LRC SSP2 to ensure that the DQOs were achieved are as follows:

- Field completeness, defined as the percentage of samples actually collected versus those intended to be collected, had a stated goal of greater than 95 percent (AECOM 2013a). The LRC SSP2 program achieved 94 percent field completeness (based on the number of samples collected and submitted for analysis). Field sample completeness was slightly less than 95 percent due to one or more of the following factors, which resulted in fewer samples than estimated: acceptable cores or grabs could not be collected within the allowable number of attempts established in the LRC SSP2 QAPP (three attempts to collect a usable core or surface sediment grab would be made before abandoning a station); cores and/or grabs did not meet the acceptability criteria established for the program; and/or native materials were encountered at a shallower depth than anticipated. Ninety-seven (97) percent of the proposed locations were sampled, due to no sample material being collected at only two stations: one a surficial grab-only sample station and one a surficial grab and LRC station.
- Analytical completeness was defined as the number of data points that are accepted as usable based on the validation process divided by the total number of data points for each analysis. The objective for this project was greater than 90 percent laboratory completeness

(AECOM 2013a). Laboratory completeness was greater than 99 percent (105,230 valid and acceptable results out of 105,246 total reportable sediment results) for each analysis and for the program.

This report summarizes the field procedures followed to collect the LRC SSP2 sediment samples. It also presents the data collected during the LRC SSP2 in tables and figures. To provide a complete summary of the sediment analytical data collected to date the LRC (AECOM 2014), LRC SSP (AECOM 2013b), and benthic (Windward 2011) sediment sampling programs data have been included on select figures and tables with the LRC SSP2 data. Each figure and table indicates whether it includes LRC SSP2, LRC SSP, LRC and benthic data or only the LRC SSP2 data. Note that the sediment data collected during the River Mile 10.9 (RM 10.9) Characterization Program (CH2M Hill and AECOM 2012) is not included in the figures in this report because this design-level data is of too high a density for the purposes of this report; only sediment data collected from the removal area during the LRC SSP, LRC and benthic sampling events are included.

The following observations are offered regarding the LRC SSP2 program:

- One objective of the LRC SSP2 program was to provide additional characterization of the nature and extent of sediment chemistry and fill data needs above RM 8, as identified by USEPA. The following summarize the nature and extent sampling:
  - RM 8.5 to RM 10 – LRC SSP2 data filled in spatial gaps along the shorelines, and generally bounded areas of previously observed elevated surficial concentrations, although some variability in contaminant distribution was observed. For example:
    - Elevated surficial concentrations were observed at LRC SSP 0475; LRC SSP2 results showed lower surficial sediment concentrations adjacent to this location.
    - Elevated surficial concentrations were observed in the area of EMBM 159; LRC SSP2 results showed similar concentrations in this area.
    - Elevated surficial concentrations were observed at LPRT 09F; LRC SSP2 results showed lower surficial sediment concentrations adjacent to these locations, but similar concentrations further downriver.
  - Additional samples were collected at the mouth of the unnamed creek at RM 9.5 (to the north, to the south, and across the channel). The results were similar to those from previous programs, which indicated that there is a small area of sediments with elevated surficial sediment concentrations in the creek, but that concentrations were lower across the mudflat at the mouth of the creek, and extending away from the confluence of the creek with LPR in all directions.
  - Samples were collected along the western shoreline of the river between RM 10.4 and RM 11 at locations where probing indicted the presence of silty materials (much of this shoreline was characterized as coarse grained and rocky, based on the side-scan sonar survey (ASI 2006) and the probing surveys performed by MPI (2007) and AECOM (2008 and 2013). Surficial concentrations in the silty shoreline areas were elevated relative to channel concentrations.
  - Samples were collected above RM 11, where data density was relatively sparse. Surficial sediments in this reach are predominantly coarse and rocky, and sample locations were selected based on the probing surveys and the side scan-sonar data to identify silt deposits.

  - Between RM 11 and RM 13.5, a silt deposit was delineated from the side scan sonar data, along the west shoreline between RM 12.2 and 12.5. Sediments collected within this deposit during the LRC SSP2 program had elevated surficial sediment concentrations relative to coarser sediments adjacent to the silt deposit within this reach.
  - At RM 14.5 (where elevated 2,3,7,8- tetrachlorodibenzodioxin [TCDD] concentrations were observed at depth in EMBM 172) elevated 2,3,7,8-TCDD and total PCB concentrations were observed in the bottom (1.1 to 2.5 ft) core interval.
- A second objective of the LRC SSP2 program was to provide data to support system understanding, sediment surface concentration mapping, and sediment transport and CFT model parameterization. The following observations support this objective.
  - At RM 10.9, surficial sediment concentration declined with lateral distance into the river, with the highest concentrations generally observed on the mudflat, and lower concentrations in the river channel. Transects were sampled at RM 7.3 and RM 10, and a similar pattern was observed. At both the RM 7.3 and RM 10 transect locations, the highest concentrations along the transect were on the mudflats on the east side of the river and lower concentrations were in the channel. At RM 7.3, one transect extended to the mudflats on the west side of the river, and concentrations at this location were higher than those in the channel, and generally consistent with SSP sample station 461, also high on this bank.
  - At RM 10, several cores were collected in a cluster with spacing less than 100 feet (ft) apart. Sediment concentrations indicated spatial correlation in both the longitudinal direction within the shoal deposit, and laterally across the shoal and into the channel.

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2005 Environmental Dredging Pilot Study Area

Tierra Removal Area

Harrison

Kearny

Newark

Jersey City

Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)

ft NGVD29

-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure ES-1 Sediment Sample Locations

RM 0 to 3.5

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Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

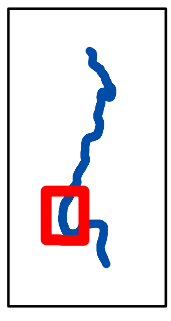
Elevation (2011 Multibeam Bathymetry Survey)

ft NGVD29

-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure ES-1 Sediment Sample Locations

RM 3.5 to 7.3



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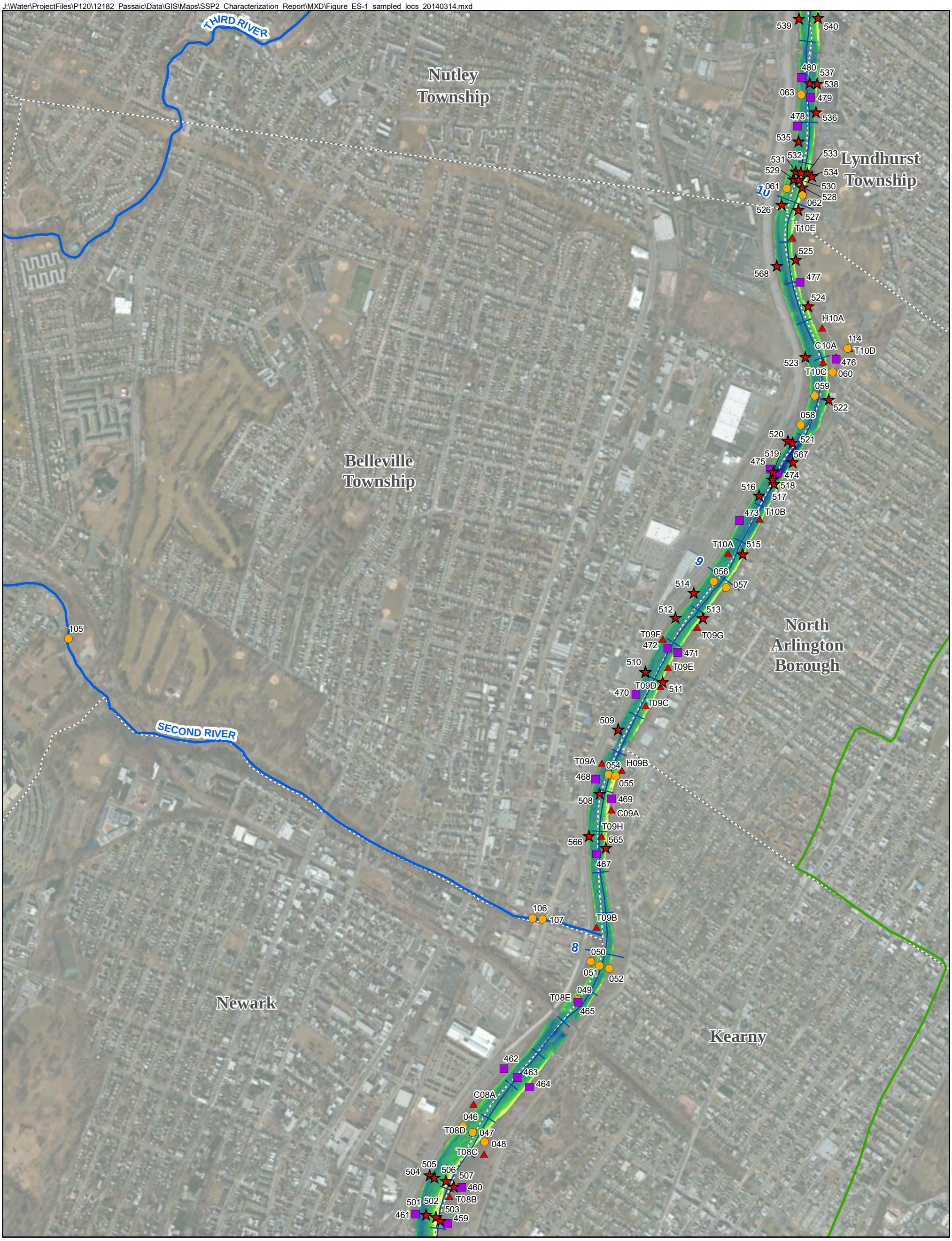

Basemap: ESRI, World Imagery.

Figure ES-1 Sediment Sample Locations

RM 7.2 to 10.5

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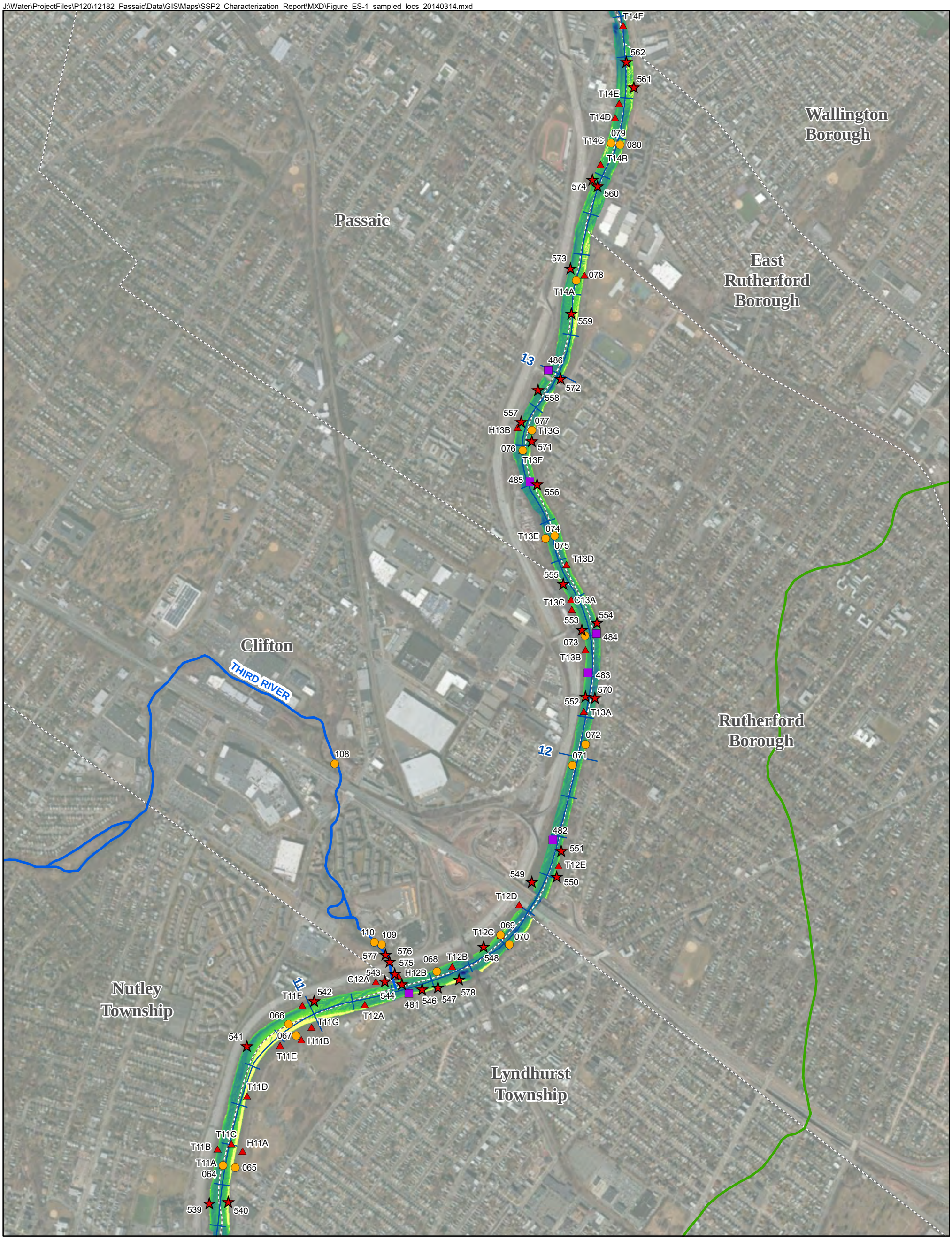

Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)
ft NGVD29
-0.0075
-10.4
-20.8
-31.2
-41.5451

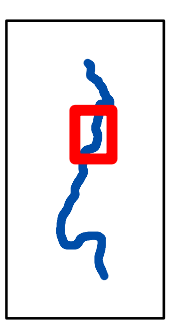

Figure ES-1 Sediment Sample Locations

RM 10.5 to 13.9

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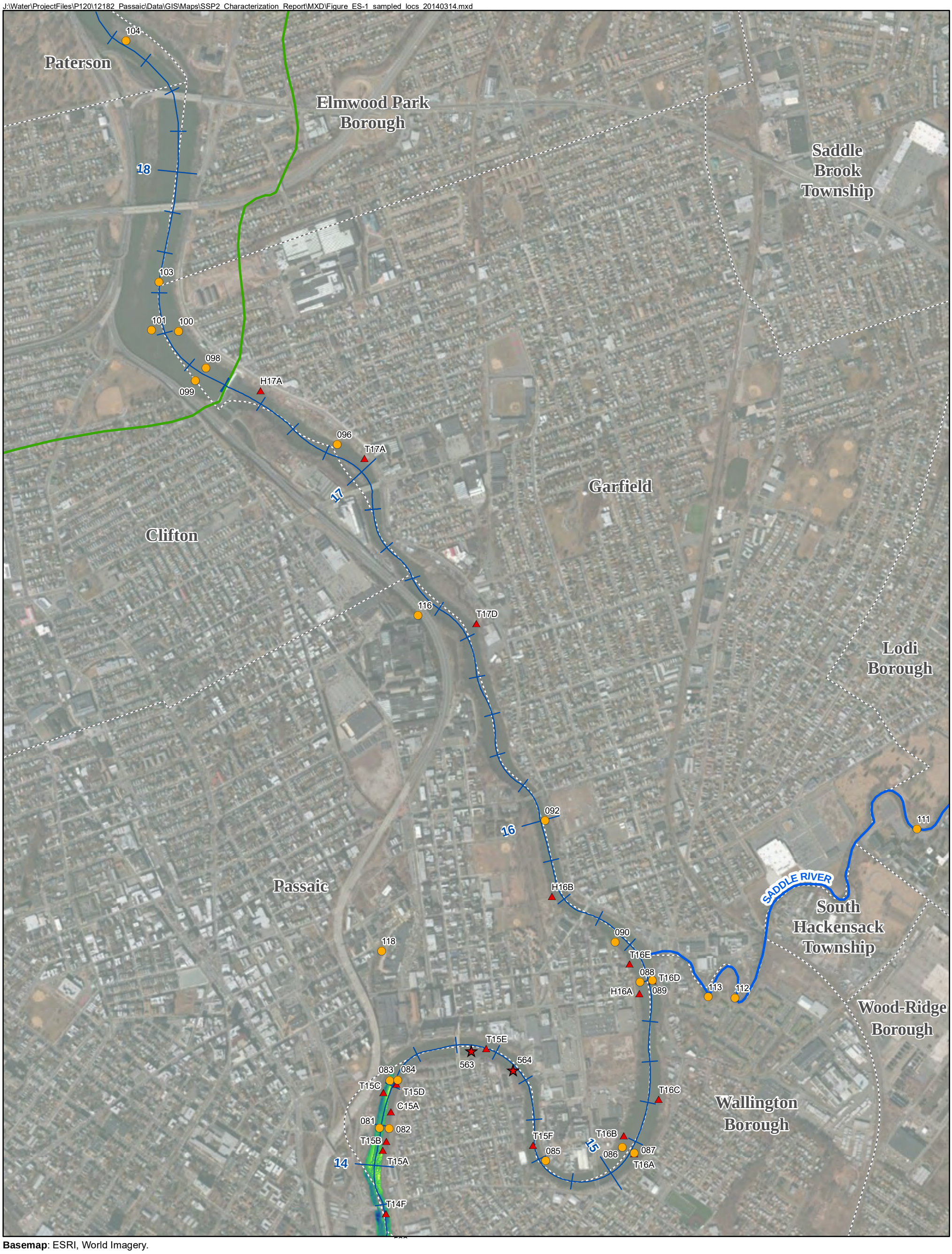


Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

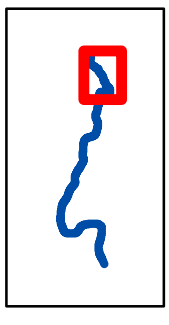
Elevation (2011 Multibeam Bathymetry Survey)

ft NGVD29

-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure ES-1 Sediment Sample Locations

RM 13.9 to 18.4



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List of Acronyms

ASTM	American Society for Testing and Materials
AVS	Acid Volatile Sulfide
Cas_rn	Chemical Abstract Service Number
CDM Smith	CDM Smith, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cfs	Cubic Feet Per Second
CFT	Chemical Fate and Transport
CGAN	Coast Guard Advisory Notice
CN	Cyanide
COC	Chain-of-Custody
COPC	Chemical of Potential Concern
CPG	Cooperating Parties Group
CSO	Combined Sewer Overflow
CVCC	Clean Venture/Cycle-Chem, Inc.
cy	Cubic Yards
Cs-137	Cesium-137
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DDx	Sum of DDD, DDE, and DDT isomers
DGPS	Differential Global Positioning System
DL	Detection Limit
dmi	de maximis, inc.
DQI	Data Quality Indicator
DQL	Data Quality Level
DQO	Data Quality Objective
DVR	Data Validation Report
EDD	Electronic Data Deliverable
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
EMPM	USEPA Empirical Mass Balance Model
FM	Field Modification

foc	Fraction of Organic Carbon
FOD	Frequency of Detect
FSP1	The Lower Passaic River Restoration Project Field Sampling Plan Volume 1 (MPI 2006)
FSP2	The Lower Passaic River Restoration Project Draft Field Sampling Plan Volume 2 (MPI et al. 2006)
FSP3	The Lower Passaic River Restoration Project Revised Preliminary Draft Field Sampling Plan Volume 3 (MPI 2005b)
ft	Feet
H_2S	Hydrogen Sulfide
HMW	High Molecular Weight
HRC	High Resolution Core
ICP	Inductively Coupled Plasma
ICP/AES	Inductively Coupled Plasma/Atomic Emission Spectrometry
IDW	Investigation-Derived Waste
kg	Kilogram
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants
LMW	Low Molecular Weight
LPR	Lower Passaic River
LPRRP	Lower Passaic River Restoration Project
LPRSA	Lower Passaic River Study Area
LRC	Low Resolution Coring
m	Meter
MDL	Method Detection Limit
MEDD	Multi-Media Electronic Data Deliverable
MLW	Mean Low Water
mg/kg	Milligram per Kilogram
MPI	Malcolm Pirnie, Inc.
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N	Nitrogen
NB	Newark Bay
NAD	North American Datum

NCR	Nonconformance Report
ng/kg	Nanogram per Kilogram
NJDEP	New Jersey Department of Environmental Protection
NJDOT	New Jersey Department of Transportation
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
OSI	Ocean Surveys, Inc.
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbon
Pb-210	Lead-210
PCB	Polychlorinated Biphenyl
PCDD	Polychlorinated Dibenzodioxin
PCDF	Polychlorinated Dibenzofuran
PE	Performance Evaluation
Po-210	Polonium-210
PPE	Personal Protective Equipment
ppth	Parts per thousand
PRP	Potentially Responsible Party
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QL	Quantitation Limit
R/V	Research Vessel
Ra-226	Radium-226
RI/FS	Remedial Investigation/Feasibility Study
RM	River Mile
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SEM	Simultaneously Extracted Metals
Settlement Agreement	Administrative Settlement Agreement and Order on Consent
SOP	Standard Operating Procedure
SOW	Statement of Work
SSP	Supplemental Sampling Program

SVOA	Semivolatile Organic Analysis
SVOC	Semivolatile Organic Compound
SWO	Stormwater Outfall
TAL	Target Analyte List
TCDD	Tetrachlorodibenzodioxin
TCLP	Toxicity Characteristic Leaching Procedure
TEF	Toxicity Equivalency Factor
TEQ	Toxicity Equivalency Quotient
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbons
UAO	Unilateral Administrative Order
UPR	Upper Passaic River
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
VOC	Volatile Organic Compound
Work Plan	Lower Passaic River Restoration Project Work Plan
WRDA	Water Resources Development Act

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Appendix I Sediment Sample Results Summary

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1.0 Introduction

The Lower Passaic River Study Area (LPRSA) encompasses the 17.4-mile tidal reach of the Passaic River below the Dundee Dam, its tributaries, and the surrounding watershed that drains to the river below the Dundee Dam. The LPRSA is an operable unit (OU) of the Diamond Alkali Superfund Site. The Diamond Alkali Superfund Site consists of three OUs, of which the LPRSA is Operable Unit 2 (OU2). The other two OUs are the former Diamond Alkali pesticide manufacturing plant and surrounding properties at 80 and 120 Lister Avenue in Newark, New Jersey (OU1), and the Newark Bay (NB) Study Area (OU3). A Remedial Investigation/Feasibility Study (RI/FS), originally begun by the United States Environmental Protection Agency (USEPA), is currently underway for the LPRSA in accordance with:

- The Lower Passaic River Restoration Project Work Plan (Work Plan) (Malcolm Pirnie, Inc. [MPI] 2005a);
- The Lower Passaic River Restoration Project Field Sampling Plan Volume 1 (FSP1) (MPI 2006);
- The Lower Passaic River Restoration Project Draft Field Sampling Plan Volume 2 (FSP2) (MPI et al. 2006);
- The Lower Passaic River Restoration Project Revised Preliminary Draft Field Sampling Plan Volume 3 (FSP3) (MPI 2005b); and
- The Lower Passaic River Restoration Project Quality Assurance Project Plan (QAPP) (MPI 2005c).

The Lower Passaic River Restoration Project (LPRRP), congressionally authorized in 1999 under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Water Resources Development Act (WRDA), is a remediation and ecosystem restoration initiative for the LPRSA watershed. In May 2007, the USEPA entered into an Administrative Settlement Agreement and Order on Consent (Settlement Agreement; USEPA 2007a) with the Cooperating Parties Group (CPG) to complete the RI/FS for the LPRSA.[1]

In addition to USEPA, several other federal and state agencies—collectively designated under the Settlement Agreement as “Partner Agencies”—have been designated as LPRRP participants. These include the United States Army Corps of Engineers (USACE), the New Jersey Department of Transportation (NJDOT), the National Oceanic and Atmospheric Administration (NOAA), the United States Fish and Wildlife Service (USFWS), and the New Jersey Department of Environmental Protection (NJDEP). The RI/FS is being conducted under the Settlement Agreement and includes the scopes of work identified in FSP1 (MPI 2006), FSP2 (MPI et al. 2006), and FSP3 (MPI 2005b).

[1] The CPG includes more than 60 cooperating members identified as potentially responsible parties (PRPs) for environmental response action in the LPRSA. Many other parties who have been identified as potentially responsible are not members of the CPG.

The Low Resolution Coring (LRC) program was developed in accordance with the Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA (USEPA 1988a) and the Settlement Agreement to determine the nature and extent of contamination, including identification of potential source areas, and to characterize physical characteristics of the sediment of the 17.4-mile LPRSA. The LRC field program was conducted from July 30 through December 16, 2008. A draft LRC Characterization Summary report was submitted by the CPG to USEPA on February 26, 2010, resubmitted by the CPG to USEPA on July 26, 2011, and again on April 30, 2014 (AECOM 2014).

The USEPA provided comments to the CPG on the draft LRC Characterization Summary report on January 25, 2011 (USEPA 2011), including a request for a sediment-specific data needs analysis. The CPG undertook this task, and in June 2011 discussed the preliminary results of the data needs analysis with USEPA. During this discussion the CPG provided an overview of the proposed LRC Supplemental Sampling Program (SSP) designed to address identified sediment-specific data needs.

The LRC SSP was developed to fill specific data gaps identified to support parameterization of the sediment transport and chemical fate and transport (CFT) models and to characterize potential human health risk exposure areas. The passage of Hurricane Irene on August 27-28, 2011 also provided a unique opportunity for the LRC SSP to characterize the potential effects of a large storm event on the LPRSA. The LRC SSP was conducted from January 9 through February 10, 2012. The draft LRC SSP Characterization Summary report was submitted to USEPA in December 2013.

Following evaluation of the existing sediment data (LRC, LRC SSP, Benthic [Windward 2011], and USEPA Empirical Mass Balance Model [EMBM] data), USEPA identified data needs above RM 8 where additional sediment data were necessary to complete the chemical nature and extent characterization for the RI and to support evaluation of remedial options. The purpose of collecting additional data was to provide information on the surficial extent of chemicals of potential concern (COPCs) as well as estimates of COPC inventory. The ongoing work to develop and calibrate the CFT model also led to identification of additional data needs. Specifically, additional data were needed to support the interpolation and mapping of measured surface and subsurface sediment concentrations to a continuous surface for initialization of the model grid. A second supplemental sediment sampling program (LRC SSP2) was developed to fill these data needs.

Field and analytical details for the performance of the LRC SSP2 are described in the QAPP Addendum (AECOM 2013a) prepared for this program. The original version of the LRC SSP2 QAPP was submitted to USEPA on September 9, 2013. In response to USEPA comments, one revision of the QAPP (submitted on September 20, 2013) was issued. Provisional approval for implementation of the LRC SSP2 was received from USEPA by email on September 20, 2013.

LRC SSP2 sample and data collection were conducted over five weeks between September 23, 2013 and October 26, 2013. Field work was followed by sample analysis, data validation, and report preparation. As described in the Statement of Work in the Settlement Agreement (Section B.5.d. on page 6), a characterization summary is required after each field investigation. In accordance with the Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA (USEPA 1988a), this report presents the methods of data collection and field and analytical findings of the LRC SSP2.

This LRC SSP2 characterization summary consists of the following sections, which are consistent with the outline for a site characterization summary provided in the Settlement Agreement:

- Executive Summary.

- Section 1.0 covers the history and background of the LPRRP, including the scope of the LRC SSP2 component and the Data Quality Objectives (DQOs) established for this component.
- Section 2.0 includes details of the field implementation of the LRC SSP2, including sample collection and processing, sample analysis, data collection and validation, and quality assurance/quality control (QA/QC) measures.
- Section 3.0 presents analytical sample results for chemical, physical, and radioisotope parameters, shown through tabular and graphical displays, and significant observations offered from review of these displays.
- Section 4.0 provides an assessment of data usability.
- Section 5.0 provides document references.

Tables and figures can be found at the end of each section and all appendices follow the body of the main text.

The sediment data from the earlier LRC (AECOM 2014), LRC SSP (AECOM 2013b), and benthic (Windward 2011) sediment sampling programs have been included on select figures and tables with the LRC SSP2 data to provide a complete summary of all sediment data collected by the CPG. Each figure and table indicates whether it includes LRC SSP2, LRC SSP, LRC, and benthic data or only the LRC SSP2 data. Note that the sediment data collected during the RM 10.9 Characterization Program (CH2M Hill and AECOM 2012) are not included in the figures in this report because this design-level data is of too high a density for the purposes of this report; only sediment data collected from the removal area during the LRC SSP, LRC and benthic sampling events are included. Additional information regarding the combined datasets related to figures and tables is presented in Section 3.0.

1.1 Environmental History and Setting

The LPRSA has been highly urbanized through the development of residential areas and industrial activities. **Figure 1-1** presents a map of the LPRSA. Changes in the LPR and watershed that accompanied European settlement and industrialization of the area to present day are well-chronicled (Iannuzzi et al. 2002). Much of the tidal marsh, mudflats, shallow near shore areas, and tidal wetlands historically present in the LPRSA have been either filled or dredged. Today, much of the shoreline in the LPRSA consists of riprap and sheet pile walls, resulting in a highly channelized river. Upper portions of the LPRSA feature generally steeper and modified shorelines on the west banks with limited areas of riparian vegetation. The east bank is less modified, consisting of more natural shoreline, residential areas, and parks.

1.1.1 History of the LPR

The LPRSA is located within one of the major centers of the American Industrial Revolution. Early manufacturing was established near Paterson, New Jersey, during the post-colonial era. Beginning with cotton mills, the LPR watershed, concentrated along the river, grew to include manufactured gas plants, petroleum refineries, tanneries, shipbuilding, smelting, pharmaceutical, electronic product, dye, paint, pigment, paper and chemical manufacturing plants, and other industrial activity (Shear et al. 1996; AECOM et al. 2013). Major population centers such as Paterson and Newark transformed the watershed into a mix of residential, commercial, and industrial uses.

In 1858, the Dundee Dam and associated locks were constructed on the LPR. After the completion of the dam, mills were built along the upper LPR near the City of Passaic (Iannuzzi et al. 2002). Above Dundee Dam, the City of Paterson was a significant center of industrialization and manufacturing

beginning in the late 18th Century. In the early 20th Century, Newark became one of the largest industrial cities in the United States. Industries included petroleum refineries, shipping facilities, tanneries, and various manufacturers (Battelle 2005).

Approximately 88 percent of the wetlands near the LPR and NB were lost after 1816 (Iannuzzi et al. 2002). These wetland areas were ditched, diked, drained, and covered with fill material for various purposes including: salt hay production, gardens and dairies, railroad beds, oil storage/refining, shipyards and shipping ports, mosquito control, municipal and industrial waste disposal, and airport development (Iannuzzi et al. 2002).

Dredging in the LPR began in 1874 to allow for commercial shipping and for deeper-draft ships to dock in the lower section of the LPR. The channel was subject to numerous deepening and maintenance dredging activities over its first 50 years of existence. No new channel construction was authorized after 1932, but the existing channel was maintained for nearly 50 years. The river was busy with traffic during the 1940s, as the height of industrialization and manufacturing on the river coincided with World War II. Post-1950, most of the maintenance dredging focused primarily on the lower 2 miles of the channel. The last maintenance dredging conducted by USACE in 1983 removed more than 500,000 cubic yards (cy) of sediments to a depth of 30 feet (ft) mean low water (MLW) in the lower 1.9 miles of the channel (USACE 2010). A federal navigation channel of varying depth extending from the mouth of the river (RM 0) to the Eighth Street Bridge in Wallington, New Jersey (RM 15.4) was created in the late 19th century (USACE 2010). The navigation channel had four distinct segments with four different authorized depths (USACE 2010):

- 30 foot segment (RM 0 to RM 2.6). The channel has an authorized depth of 30 ft MLW and is 300 ft wide. The mean tidal range in this segment of the river is 5.5 ft.
- 20 foot segment (RM 2.6 to RM 7.2). The channel has an authorized constructed depth of 20 ft MLW and is 300 ft wide. From RM 4.1 to RM 7.2, the channel had the same authorized width and depth; however, the project was constructed to only 16 ft MLW.
- 16 foot segment (RM 7.2 to RM 8.1). The channel has an authorized constructed depth of 16 ft MLW and is 200 ft wide.
- 10 foot segment (RM 8.1 to RM 15.4). The channel has an authorized constructed depth of 10 ft MLW and is 150 ft wide.

The Diamond Alkali Site, also referred to as the Lister Avenue Site, was placed on the National Priorities List (NPL) in September 1984 due to 2,3,7,8 TCDD contamination detected in site soils. Various companies at the 80 and 120 Lister Avenue facilities manufactured chemicals such as pesticides and phenoxy herbicides, including the primary components used to make the military defoliant Agent Orange. Chemical manufacturing and compounding occurred at this location from the 1940s through the 1960s (Bopp et al. 1991, 1998; Chaky 2003; Lillienfeld and Gallo 1989). Several investigators have since concluded that the Lister Avenue Site was the dominant 2,3,7,8-TCDD source to the LPRSA (Bopp et al. 1991, 1998; Chaky 2003; Hansen 2002), and a significant historical dichlorodiphenyltrichloroethane (DDT) source (Bopp et al. 1991, 2006). The Lister Avenue Site underwent several remedial actions under NJDEP and USEPA oversight between 1984 and 2004 (USEPA 2008a; Tierra 2008).

Like many other urban systems, the LPR has been subjected to a broad range of contaminant loadings from multiple sources (e.g., untreated industrial and municipal wastewater, combined sewer overflows [CSOs]/stormwater outfalls [SWOs], direct runoff, atmospheric deposition) for a long time. A distinguishing characteristic of the LPR is its elevated levels of 2,3,7,8 TCDD in sediments.

1.1.2 Physical Setting of the LPRSA

The LPR is an integral part of the Greater Newark Bay complex, along with NB, Hackensack River, Arthur Kill, and Kill Van Kull (**Figure 1-1**). These water bodies are hydraulically connected through freshwater flows from the rivers to the ocean and by tidal flows that move water both inland and toward the ocean. The tidal flows also connect the Newark Bay Complex to New York Harbor and Raritan Bay (also referred to as the New York/New Jersey Harbor estuary or the Hudson-Raritan estuary).

The LPR extends from the Dundee Dam (RM 17.4) to NB (RM 0); **Figure 1-1**. It receives freshwater from the Upper Passaic River (UPR) at the Dundee Dam, three tributaries (Saddle River, Third River, and Second River), and to a lesser extent smaller tributaries; direct discharges from CSOs, SWOs, permitted municipal and industrial discharges; and direct runoff. Groundwater contribution to the LPR is considered small relative to the freshwater flow that enters the LPR from upstream during average flow conditions (AECOM et al. 2013).

The LPR is a partially mixed estuary with circulation and salinity patterns that are controlled mainly by a dynamic hydraulic balance between the upstream freshwater flow and the downstream brackish tidal inflow from NB. These flows and their interactions have resulted in the USEPA classifying the LPR into the following three major sections (AECOM et al. 2013; Sea Engineering Inc. [SEI] and HydroQual Inc. [HQI] 2011):

- RM 17.4 to RM 10 - Freshwater River Section (River Dominant) is the region usually upstream of the salt front (the salt front is upstream of RM 10 typically about 10% of the time, and has extended further upstream to at least RM 13 and during drought conditions to RM 14) (SEI and HQI 2011).
- RM 10 to RM 6 - Transitional River Section (Mixed) is characterized by the most frequent location of the salt front with water conditions varying from slightly brackish (or oligohaline, with salinity values ranging from 0.5 parts per thousand [ppth] to 5 ppth) to moderately brackish (or mesohaline, with salinity values ranging from 5 ppth to 18 ppth).
- RM 6 to RM 0 - Brackish River Section (Estuary Dominant) is located downstream of the typical location of the salt front and is mesohaline, i.e., with salinity values ranging from 5 ppth to 18 ppth.

These designations are qualitative — the location of the interface between fresh and saline waters (also referred to as the “salt front”) is strongly influenced by the balance between freshwater and tidal flows, as well as the system geometry. The salt front typically moves several miles during each tidal cycle (AECOM et al. 2013; Cañizares et al. 2009), and can reach as far upstream as about RM 14 under extreme low flow conditions (SEI and HQI 2011). The location of the salt front typically coincides with the location of the estuarine turbidity maximum, that is, the region of an estuary with maximum turbidity (Dyer 1995; Chant et al. 2010).

Data collected at the NOAA station at Bergen Point West Reach indicate that LPR tides are semi-diurnal with a period of approximately 12.5 hours. Water levels exhibit a spring-neap period of 13.5 days. The tidal range varies between 0.9 meter (m) at neap tide and 2.2 m at spring tide (3.0 to 7.2 ft).

The LPR is relatively shallow, with maximum thalweg (i.e., deepest point, laterally, across the river) depths ranging from a few ft (upper portions below Dundee Dam) to 30 ft near the mouth of the river.

A federally authorized navigation channel exists between the mouth of the river and approximately RM 15.4 (USACE 2007).

1.2 Data Quality Objectives for the LRC SSP2

The DQO process establishes performance and acceptance criteria, which serve as the basis for designing a plan for collecting data of sufficient quality and quantity to support the goals of the study. The document, Guidance on Systematic Planning Using the Data Quality Objectives Process (USEPA 2006), was used to develop the DQOs for the LRC SSP2 investigation. These DQOs are presented in the LRC SSP2 QAPP (AECOM 2013a). The DQOs define the decision to which the data would contribute and specify the overall degree of data quality or uncertainty the decision maker is willing to accept during the decision making process.

Two primary DQOs for the LRC SSP2 were identified (AECOM 2013a):

DQO 1 – Provide additional characterization of the nature and extent of sediment chemistry and fill data needs above RM 8, as identified by USEPA.

DQO 2 – Provide data to support system understanding, sediment surface concentration mapping, and sediment transport and CFT model parameterization.

The complete seven-step DQO process is presented in QAPP Worksheet #11 (AECOM 2013a).

1.3 LRC SSP2 Design

The LRC SSP2 was developed to address the following problem, as outlined in QAPP Worksheet #10 (AECOM 2013a):

> "Following evaluation of the existing sediment data (LRC, LRC SSP, Benthic [Windward 2011], and USEPA EMBM data), USEPA identified spatial data needs above RM 8 where additional sediment data are needed to complete the chemical nature and extent characterization for the RI and to support evaluation of remedial options. The collection of additional data will provide information on the surficial and vertical extent of COPCs as well as estimates of COPC inventory.
>
> The ongoing work to develop and calibrate the CFT model led to identification of additional data needs as well. Specifically, additional data will support the interpolation and mapping of measured surface and subsurface sediment concentrations to a continuous surface for initialization of the model grid. Locations were selected to reduce the uncertainty associated with the interpolation observed in the initial mapping results."

To address this problem, LRC SSP2 sample locations were chosen to provide representative nature and extent coverage to fill spatial data needs above RM 8 and to target locations where data are needed to support system understanding, sediment surface concentration mapping, and sediment transport and CFT model parameterization.

The LRC SSP2 locations provided in the LRC SSP2 QAPP were refined based on the results of a sediment probing survey performed June 3-6, 2013 as specified in the LRC SSP2 QAPP (AECOM 2013a). The probing survey was designed to characterize the presence or absence of sediment in areas initially identified for sampling in the LRC SSP2 program. Sampling locations were selected where the probing survey indicated the presence of a continuous area of sediment, i.e., an actionable amount of sediment.

The locations for the LRC SSP2 investigation were further refined, as detailed in Field Modifications (FMs), to include sediment cores and surface grab samples in the Third River and to collect additional sediment cores for radiochemistry analysis in the LPRSA. The Third River samples were anticipated in the LRC SSP2 QAPP, which specified limited additional probing to characterize the presence or absence of sediment in the area of the Third River. Sediments in the Third River were not probed during the June event.

The additional cores for radiochemistry analysis were not anticipated in the LRC SSP2 QAPP and were added at two locations following the receipt of preliminary sediment analytical results which showed relatively higher concentrations of polychlorinated dibenzodioxins (PCDDs)/polychlorinated dibenzofurans (PCDFs) than previous results in one area of the LPRSA. The additional samples were added to provide better delineation and understanding of the PCDD/PCDF distribution.

A total of 66 locations for vibracore and surface sediment grab sampling as well as 8 locations for surface sediment grab sampling only were proposed in the LRC SSP2 QAPP. The proposed sample locations, including the location siting rationale and the target station coordinates, are presented in the LRC SSP2 QAPP Figure 1 and Worksheet #18 (AECOM 2013a). Changes from this planned sampling effort, such as one relocation required due to utilities, the addition of one new location for sediment cores and surface sediment grab samples and high resolution cores (HRCs) at two locations based on PCDD/PCDF data, and the addition of three additional sampling locations in the Third River, are discussed in Section 2.0. The total number of planned locations based on the LRC SSP2 QAPP and the field modifications described above were 70 locations for vibracore and surface sediment grab sampling as well as 8 additional locations for surface sediment grab sampling only, for a total of 78 locations.

The LRC SSP2 sediment characterization program included the collection of both surface sediment grabs and core samples. A surface sediment grab sample was collected at each station using a stainless steel power grab with pneumatic ram. The grab sampling effort yielded a surface sediment sample from 0 to 0.5 foot below the sediment-water interface. The sediment grab samples were collected to provide sufficient sediment volume for analysis of specific target analytes, as well as additional volume, if needed beyond that collected by the vibracores, to meet the analytical chemistry requirements for the 0 to 0.5 foot sample depth.

A vibracore system was used to collect two to three cores at each station for chemical and physical analysis. These cores were used for analyses for the suite of physical and chemical analytes (LRCs). Two cores were required to provide sufficient sample volume for chemical analyses, while three cores were generally required to provide sufficient volume for collection of quality control samples. An extra core (HRC) was collected at two stations to be used for radiological analysis of Lead-210 (Pb-210) and Cesium-137 (Cs-137), pesticides and PCDDs/PCDFs.

The SSP2 LRC sampling program was designed to yield four sample intervals per station to be analyzed immediately (0 to 0.5, 0.5 to 1.5, 1.5 to 2.5, and one foot sample collected above native material or refusal). Additional samples from foot-long intervals between 2.5 ft below the sediment-water interface and one foot above native material or refusal were archived for potential future analysis.

The LRC SSP2 program as specified in the LRC SSP2 QAPP was designed to produce 264 samples from the LRCs plus 8 samples from surface grab-only stations for a total of 272 samples. The field modifications specified 16 additional samples from LRCs and 24 additional samples from HRCs, for a

total of 312 samples for the LRC SSP2 program. The actual number of samples varied due to core depths (sampling ended at refusal or native material).

The proposed analyte list for the LRC SSP2 was based on the LRC SSP and RM 10.9 analyte lists with the removal of infrequently detected analytes in LPRSA. Sediment COPC data were reviewed for the entire LPRSA to evaluate the frequency of detection (FOD) of analytes previously measured in the LRC (AECOM 2014) and benthic sediment sampling (Windward 2011) programs. The FOD for herbicides and volatile organic compounds (VOCs) show that these constituents were infrequently detected in LPRSA sediments. VOCs and herbicides, therefore, were removed from the analyte list after the RM 10.9 sampling event. Radiochemistry analysis was also removed from the SSP2 analyte list, but was added for two stations through a field modification for HRCs (see Section 2.1.3).

Field data collection and laboratory analyses were completed in accordance with the approved LRC SSP2 QAPP (AECOM 2013a) and standard of practice for environmental assessments. Details of the field program implementation are presented in Section 2.0.

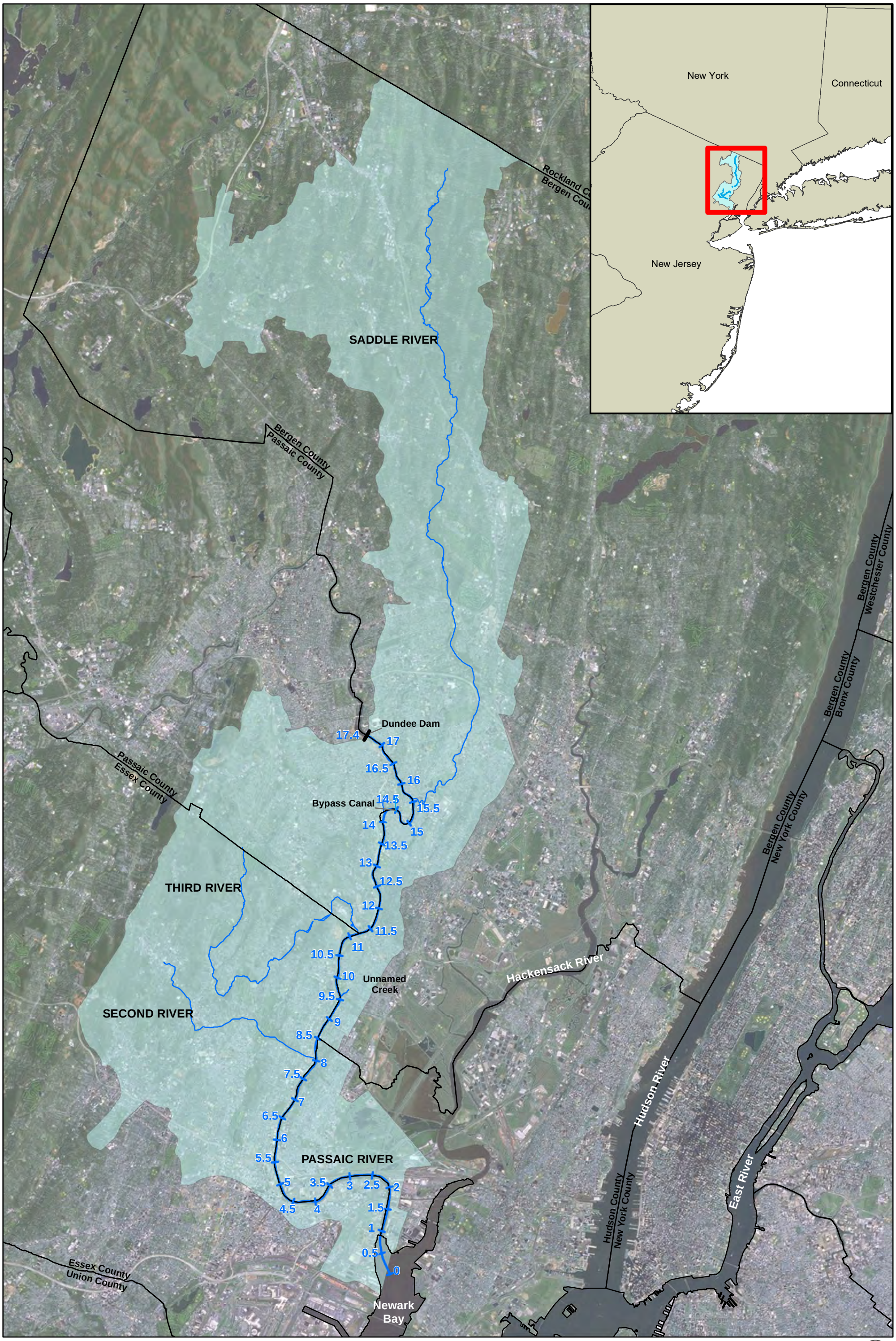

Figure 1-1 Lower Passaic River Study Area

November 2015

Ortho: Copyright:© 2009 ESRI, i-cubed, GeoEye

Map Projection: NJ State Plane, NAD 83 Feet

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2.0 LRC SSP Sampling and Analysis

This section provides a description of the field and laboratory activities performed during the LRC SSP2. Each aspect of the LRC SSP2 is described briefly in this section. Multiple sample collection systems were mobilized and implemented, including two vibracores, two power grab samplers, and two sampling vessels. Samples were collected, prepared and shipped to eight separate laboratory locations for analysis. The LRC SSP2 was conducted in accordance with the procedures presented in the LRC SSP2 QAPP (AECOM 2013a) and the associated field and laboratory standard operating procedures (SOPs) (Appendices A and B of the LRC SSP2 QAPP). The following sections describe variances, if any, from the approved procedures.

Anticipated modifications to field procedures that were necessary due to field conditions or equipment limitations were documented as field modifications and submitted to USEPA for approval. Deviations from approved field procedures, generally due to unforeseen circumstances, were documented in the field records at the time of occurrence. Deviations were additionally recorded as nonconformance reports (NCRs) and are summarized in this report.

The LRC SSP2 field investigations were conducted over five weeks from September 23 through October 26, 2013. Field work was followed by sample analysis, data validation, and report preparation.

2.1 Field Contractors and Subcontractors

AECOM served as the primary contractor for the LRC SSP2 field program, working under the direction of de maximis, inc. (dmi). Sample collection and processing, sample management, and data management were performed by AECOM personnel. Subcontractors were used by AECOM for sediment coring and grab sampling support, surveying, data validation, and laboratory analyses, as described below.

2.1.1 Ocean Surveys, Inc.

Sediment sampling support was provided by Ocean Surveys, Inc. (OSI) of Old Saybrook, Connecticut. OSI provided vessels, vessel operators, and equipment for sediment coring and grab sampling using their vessels, the Research Vessel (R/V) CanDu and R/V WilDu. Each vessel was equipped with a vibracore unit and required accessories and a pneumatically activated stainless steel power grab sampler. In addition to this sediment sampling support, OSI provided tide gauge location and elevation survey support.

2.1.2 Laboratories

The analytical subcontractors to AECOM for the LRC SSP2 included six laboratories, at eight locations (AECOM 2013a):

- SGS-Analytical Perspectives in Wilmington, North Carolina;
- ALS Environmental in Kelso, Washington;
- Brooks Rand, LLC in Seattle, Washington;

- GeoTesting Express, Inc. in Acton, Massachusetts;
- GEL Laboratories, LLC in Charleston, South Carolina;
- TestAmerica Laboratories, Inc. in Knoxville, Tennessee; West Sacramento, California; and Burlington, Vermont.

The primary laboratory identified for each analysis was utilized. The laboratories and the analyses performed by each laboratory are shown in **Table 2-1**.

2.1.3 Laboratory Data Consultants

All data validation services were conducted by Laboratory Data Consultants (LDC) of Carlsbad, California, under contract to AECOM. AECOM provided coordination and oversight of data validation.

2.2 Sampling Program Design

The LRC SSP2 sampling program design, including selection of station locations, target depths, and analytical parameters, is included in the LRC SSP2 QAPP (AECOM 2013a). A summary of the design, including any changes from the proposed program, is presented below.

The LRC SSP2 sampling program was designed such that only three attempts to collect a usable core or surface sediment grab would be made before abandoning a station. In addition, cores needed to have at least 80% recovery to be processed for samples (the one exception is described in Section 2.5.1). Therefore, some proposed sample stations were not processed. In addition, at some stations sufficient volume was not obtained to fill all sample jars. Section 2.2.1 provides a description of the stations where samples were not processed and the rationale for not processing samples and Section 2.2.3 presents information on intervals and parameters that could not be sampled because of insufficient sample volume.

2.2.1 Station Location Selection

The LRC SSP2 was initially designed to include the collection of sediment cores and/or surface sediment grab samples at 74 stations. Specific considerations for the selection of each station were provided in the LRC SSP2 QAPP (AECOM 2013a). As described below, four additional stations were added through field modifications.

During the implementation of the LRC SSP2, one sample station, 13B-0523, was relocated due to being in close proximity to utilities. Though utilities were mapped prior to choosing the sample stations for the LRC SSP2 program, a sign identifying a utility crossing was found near the original target sample location for 13B-0523. FM-131018-1 was submitted to and approved by the USEPA for the relocation of this station.

As described in FM-131010-1, three stations for vibracore and surface sediment grab sampling located within the Third River, a tributary of the LPR, were added during the course of the LRC SSP2 field sampling event. These stations were added to fill in spatial data gaps longitudinally between LRC cores 2008 CLRC-109 and 2008 CLRC-110 and the three LRC SSP2 stations 13B-0543, 13B-0544, and 13B-0545. The locations of the new stations (13B-0575, 13B-0576, and 13B-0577) were chosen based on a probing study of the Third River that took place on September 25, 2013.

As described in FM-131031-1, one station, 13B-0578, was added to the program after preliminary data showed relatively higher concentrations of PCDDs/PCDFs at station 13B-0547 in comparison to

other LRC and LRC SSP results and LRC SSP2 results received by that time. Station 13B-0578 was located approximately 280 ft upstream of 13B-0547 in order to provide better delineation and understanding of the PCDDs/PCDFs distribution in that area.

FM-131031-1 also added HRC to stations 13B-0547 and 13B-0578 to provide information on sedimentation patterns and vertical distribution of PCDDs/PCDFs. These HRCs were to be sampled for radiochemical analytes (Cs-137 and Pb-210), PCDDs/PCDFs, and pesticides at 0.25 foot intervals until the depth where native material was observed. Samples for station 13B-0547 were analyzed for all of these constituents. The analytical results for the LRCs at 13B-0578 showed lower concentrations of PCDDs/PCDFs in comparison to 13B-0547, so the HRC from this station was only analyzed for radiochemical analytes. Samples of material deeper than 3 ft below the sediment-water interface were archived for potential analysis while samples from 0 to 3 ft below the sediment-water interface were analyzed immediately.

The LRC SSP2 sampling program was designed such that only three attempts to collect a usable core or surface sediment grab would be made before abandoning a station. In addition, cores needed to have at least 80% recovery to be processed for samples (the one exception is described in Section 2.5.1). The following samples were not processed for the following reasons:

1. Stations 13B-0508, 13B-0512, 13B-0513, 13B-0514, 13B-0517, 13B-0518, 13B-0520, 13B-0523, 13B-0543, 13B-0564, 13B-0566, and 13B-0577 had less than 80% recovery on all core attempts. For each of these stations, only the surface sediment grab sample was used for physical and chemical analysis.
2. All surface sediment grab attempts for stations 13B-0509, 13B-0510, and 13B-0572 were unsuccessful.
3. For the eight stations where grab only samples were proposed, only station 13B-0569 had no recovery on all grab attempts. Therefore, no samples were analyzed from this station.
4. At station 13B-0545, all core attempts had less than 80% recovery and all surface grab attempts had no recovery. No samples were analyzed from this station.
5. At station 13B-0576 in Third River, all core attempts had less than 80% recovery. Only one of three surface grab samples had any recovery, but the grab sampler penetrated only 2 inches into the sediment and not to 5 inches as specified in the QAPP. This surface grab sample was processed, but not analyzed.

Figure 2-1 presents the locations of the 76 sample locations where sediment samples were successfully collected. **Table 2-2** presents a summary of core collection information and **Table 2-3** presents a summary of the grab sample collection information.

2.2.2 Target Depths and Sample Intervals

The LRC SSP2 was designed to include surficial (0 to 0.5 foot) surface sediment grab samples and cores to either native material or refusal to meet the data needs and station location selection criteria noted above.

The core penetration depth, recovered length, and percent recovery for each retained core are provided in **Table 2-2**.

2.2.2.1 Low Resolution Cores

Cores for LRC segmentation were collected at 56 of the proposed 70 LRC stations. Samples from the LRCs were collected from the 0 to 0.5 foot surface interval and from 1-foot segments throughout the remaining depth to either native material or refusal. Of these samples, the three intervals at the surface (0 to 0.5 ft, 0.5 to 1.5 ft and 1.5 to 2.5 ft) and the bottom interval (one foot above native material or refusal) were submitted for analysis. The remaining sample intervals were archived for potential future analysis.

Core segments were measured at the CPG field facility based on actual lengths observed. Sampling intervals were adjusted at limited locations based on lithology or where voids were noted in the cores.

All LRC samples were submitted for chemical analysis and physical evaluation (see Section 2.2.3).

2.2.2.2 High Resolution Cores

Cores for HRC segmentation were collected at two stations (13B-0547 and 13B-0578). The HRCs were sampled in 0.25 foot increments for the full length of the collected core to native material. The segments to 3 ft at both stations were submitted for analysis. Additionally the 0.5 foot above refusal at station 13B-0547 was submitted for analysis of Cs-137 and Pb-210. These cores were collected and measured in the same manner as the LRCs. Samples from the HRCs were analyzed for Cs-137 and Pb-210. The samples from station 13B-0547 were also submitted for analysis of PCDDs/PCDFs and pesticides (see Section 2.2.3).

2.2.2.3 Surface Sediment Grab Samples

In addition to the collection of cores, the LRC SSP2 included the collection of surface sediment grab samples from 0 to 0.5 ft at all 78 proposed stations, including 8 stations were only surface grab samples were proposed. The surface sediment grab samples were collected with a stainless steel power grab sampler at 73 of the proposed 78 stations. In general, surface sediment grab samples were collected on the same day as the cores for stations where both cores and grabs were to be collected. Grab sampling was conducted to collect sediment for analysis of specific target analytes (acid volatile sulfide/ simultaneously extracted metals [AVS/SEM], total sulfide, and the nutrients ammonia as nitrogen [N], phosphorus, and total kjeldahl nitrogen [TKN]), as well as to collect volume beyond that collected by the vibracores to meet the analytical chemistry requirements for the “A” sample interval (0 to 0.5 ft). Surface sediment grab samples were also collected to obtain surface sediment for the full suite of LRC analytes (see Section 2.2.3) for those locations where LRCs were not collected.

2.2.3 Sample Analyses

The following groups of analyses were completed for the LRC SSP2 sediment characterization samples (AECOM 2013a):

1) A comprehensive list of physical parameters, inorganic and organic chemical analyses for all LRC cores sampled and for surface sediment grab samples at stations where LRCs were not collected. These analyses were PCDDs, PCDFs, polychlorinated biphenyls (PCBs) (homologs and congeners), polycyclic aromatic hydrocarbon (PAHs) and alkyl PAHs, organochlorine pesticides (not including toxaphene), mercury (low-level), semivolatile organic compounds (SVOCs), target analyte list (TAL) metals and titanium, butyltins, cyanide, total organic carbon (TOC), total petroleum hydrocarbons (TPH) extractable, grain size, specific gravity, and percent moisture.

2) Analysis of AVS/SEM, sulfide, and selected nutrients (ammonia-N, phosphorus, and TKN) from the surface sediment (0 to 0.5 ft) for the full set of LRC stations where grab samples were collected. If grab samples were not collected at a station, samples for these analytes were not collected.

3) Analysis for a finer segmentation for radiochemistry analysis of Pb-210 (analyzed as Polonium-210 [Po-210] and Radium-226 [Ra-226]) and Cs-137 at all HRC locations sampled. Additionally, analyses of PCDDs/PCDFs and pesticides were conducted for the HRC at station 13B-0547.

4) Field measurements including salinity measurement of pore water and calculation of bulk density for all LRC stations sampled.

For each interval processed from a LRC core, analytes were collected in order of priority starting with the primary core. Analytical hierarchies were established based on a number of factors, including sample volume, method of collection, nature of the analytes (e.g., volatility), and USEPA input. The analyte prioritization scheme (PCDD/PCDFs, PCBs [homologs and congeners], PAHs, pesticides, mercury [low level], SVOCs, TAL metals and titanium, cyanide, butyltins, TOC, TPH-extractables, grain size, and specific gravity) was consistent with the scheme outlined in the 2008 LRC and the LRC SSP efforts. At USEPA's request, PCDD/PCDF, PCBs, PAHs, pesticides, and mercury were analyzed in samples collected from the primary cores. The process was followed to the extent practical, but sample volume was an issue for some samples. For those samples PAHs and/or pesticides were collected from a different core or, in a couple of cases, sufficient sample was not available and the sample was not analyzed for PAHs and/or pesticides. Once the sediment from the primary core was depleted, samples were collected from the secondary core in continuing order of priority.

Sufficient volume was not obtained to fill all sample jars for intervals at several locations due to 1) differences in the depth of native material or refusal between primary and secondary cores resulting in either only one core available for sample collection or a short sample interval (i.e., less than one foot) available for sample collection for the bottom interval sampled, 2) only one core met the sampling criteria of greater than 80% recovery, or only a grab sample was collected. When sample volume was limited the analyte prioritization scheme identified above was followed. Information on intervals and parameters that could not be sampled is presented in **Table 2-4**.

Additional sample cores were generally required to obtain sufficient volume for samples that were split with CDM Smith on half of USEPA for analysis at a USEPA-selected laboratory (see Section 2.8.3.2).

Sample stations, intervals, and analyses submitted for each sediment sample are shown in **Table A-1** in **Appendix A**. **Table A-2** in **Appendix A** presents the same information for the field quality control (QC) samples.

2.3 General Field Activities

The following section describes general field activities undertaken for the LRC SSP2.

2.3.1 Notifications

The following section describes the notifications made prior to the initiation of field activities.

2.3.1.1 Coast Guard Vessel Traffic and Homeland Security Notification and Coordination

United States Coast Guard (USCG) notification is required for projects located within any charted or Federal Channel, or for any other surveys conducted as per the Inland Navigation Rules, within the Vessel Traffic Safety Area of Responsibility. Authorization to perform work is granted under the Ports and Waterways Safety Act [(33 United States Code 1225(a)(2)(C)].

The USCG Sector New York was given written notice of the planned scope, schedule, and vessel information for sediment sampling for LRC SSP2 activities on September 5, 2013. USCG authorization was given on September 16, 2013 to proceed with the work outlined in the written notifications, starting on September 23, 2013 and terminating on November 1, 2013.

2.3.1.2 Homeland Security Notifications

For each municipality located along the Passaic River, the local police department was identified and contacted. Written notifications were mailed, faxed, or e-mailed to the departments informing each that environmental surveying was planned within the river. The sampling schedule and project contact information were provided with these notifications.

2.3.1.3 Bridge Notifications

A total of ten bridges are located within the LRC SSP2 project area (**Table 2-5**). These bridges include three swing bridges, one lift deck bridge, five fixed structures, and one double leaf bascule bridge. AECOM identified and confirmed contact/ownership information for each bridge. Opening notifications were confirmed and bridge crews were contacted as specified by the bridge contact.

In addition to bridge openings, permission was required for the installation of tide gauges on a number of these structures. See Section 2.3.3 for additional detail regarding tide gauge installation and **Figure 2-2** for the tide gauge station locations. Electronic or hardcopy approval was received prior to tide gauge attachment on bridges.

2.3.2 Utility Clearance

Where possible, sample stations were selected to avoid known utility crossings within the LRC SSP2 work area. However, some mapped utility crossing areas on nautical charts were large enough that it was necessary to plan cores proximate to the crossing in order to provide adequate study area coverage. Utility clearance notifications for all stations were made by AECOM and OSI personnel through the New Jersey One-Call system. Though utilities were mapped prior to choosing the sample stations for the LRC SSP2 program, the utility crossing found near the original target location for 13B-0523 was not identified by New Jersey One Call. The target location was therefore moved upstream of the utility buffer shown on the NOAA Navigation Chart for the area. Approval for the sample station relocation was received from USEPA via the field modification process.

2.3.3 Tide Gauge Station Installation and Vertical Control

In order to establish the sediment surface elevation at each sample station, water levels of the LPR were continuously monitored and recorded at select locations. Fixed water level (tide) gauges that consisted of an electronic pressure transducer and an integrated data logger (HOBO® model U20-001-04) were installed at seven locations along the LPR. All gauges were installed on existing fixed structures, in accordance with SOP No. LPR-FI-07, HOBO Water Level Data Logger Data Collection. All gauges were set to record continuously. The data loggers were downloaded on a weekly basis. However, data were not collected from the Rutgers (Rte 7) Bridge HOBO during sampling activities

October 14-18, 2013 due to a malfunction in the data logger. Tide gauge station locations are shown on **Figure 2-2**; locations and corresponding water level data are included in **Appendix B**.

SOP No. LPR-FI-07 HOBO Water Level Data Logger Data Collection requires collection of surface water salinity data during HOBO deployment, routine servicing, and retrieval. Salinity measurements were collected as required by the SOP during initial deployment, routine servicing, and retrieval with one exception. The Monroe Street Bridge HOBO was inaccessible by boat and was serviced via land without the YSI water quality meter on October 11, 2013.

The reference elevations for the tide gauges were surveyed by OSI at the end of the field program. The surveys were completed on October 29, 2013. The data were processed to calculate the elevation of the water surface at each tide station, and then used to determine the water elevation at each sampling station at the time of sampling.

2.3.4 Vessel Positioning/Horizontal Control

Vessel positioning was performed in accordance with SOP No. LPR-G-02, Navigation/Positioning, with clarifications on position accuracy provided in the LRC SSP2 QAPP (AECOM 2013a). For each station, the on-board Differential Global Positioning System (DGPS) was used to position the vessel as close to the target location as possible and the vessel position was secured via setting anchors or spuds. Once within the target radius (25 ft), the DGPS system was used to record the actual northing and easting (New Jersey State Plane North American Datum [NAD] 83) of each core and surface sediment grab attempt along with the distance from the target coordinates.

The accuracy of the DGPS system was maintained by using a second DGPS. The fixed station used during the investigation was the USCG beacon at Sandy Hook, New Jersey. Calibration with the Sandy Hook signal was performed twice a day, at the start of field activities and at the completion of field activities, using a fixed and known survey point located at the CPG facility dock.

2.3.5 Sample Nomenclature

Samples were identified using the following sample nomenclature protocols:

Event – 13B represents the second sampling event of 2013 (the LRC SSP2).

Sample station – 0501 to 0578. Sample stations were generally numbered sequentially starting downstream and moving upriver.

Core or grab number – C1, C2, etc.; and G1, G2, etc. The number corresponds to the retained core or grab from which the sample was processed.

Sample interval – A, B, C, etc. The sample interval designation is from the segmentation scheme based on depth below sediment surface with “A” being the most shallow interval. Sample intervals were labeled in alphabetical order from shallowest (“A” interval) to deepest (one foot above either refusal or native material). The following sample interval designation was used for the LRCs:

Interval	Core Depth	Sample Scheme
A interval:	0 to 0.5 ft	sampled in conjunction with surface grab sampling
B interval:	0.5 to 1.5 ft	1-foot interval
C interval:	1.5 to 2.5 ft	1-foot interval
D – R intervals (as necessary)	2.5 to 17.5 ft	1-foot interval

Note: The three intervals at the surface (0 to 0.5 ft, 0.5 to 1.5 ft and 1.5 to 2.5 ft) and the bottom interval (one foot above native material or refusal) were submitted for analysis. The remaining sample intervals were archived for potential future analysis.

The following sample interval designation was used for the HRCs:

Interval	Core Depth	Sample Scheme
AA interval:	0 to 0.25 ft	0.25-foot interval
AB interval:	0.25 to 0.5 ft	0.25-foot interval
AC interval:	0.5 to 0.75 ft	0.25-foot interval
AD interval:	0.75 to 1.0 ft	0.25-foot interval
AE interval:	1.0 to 1.25 ft	0.25-foot interval
AF interval:	1.25 to 1.5 ft	0.25-foot interval
AG interval:	1.5 to 1.75 ft	0.25-foot interval
AH interval:	1.75 to 2.0 ft	0.25-foot interval
AI – AZ intervals:	2.0 to 6.5 ft	0.25-foot interval
BA – BE intervals (as necessary)	6.5 to 8.0 ft	0.25-foot interval

Note: The 12 sample intervals above 3 ft were submitted for analysis; the remaining samples (i.e., samples below 3 ft) were archived for potential future analysis.

Type of sample – Sample types include field samples (S), field duplicate samples (T), equipment rinsate blanks (R), and performance evaluation sample (P).

For example, 13B-0541-C1BS would refer to a sample obtained during the LRC SSP2 (13B) from Station 41 (-0541), of Core 1 (-C1) at the 0.5- to 1.5-foot interval (B), and representing a field sample (S). Performance evaluation (P) samples were identified using similar nomenclature which included date of shipment.

2.3.6 Equipment Decontamination

Sampling equipment and related materials were decontaminated in accordance with SOP No. LPR-G-03, Equipment Decontamination. Residual acids, solvents, and wash and rinse waters were

captured separately and containerized for proper disposal as investigation-derived waste (IDW) as described in Section 2.3.8.

2.3.7 Sample Custody, Storage, and Shipment

Following collection aboard the sampling vessel, cores were placed in a prefabricated container constructed to keep the cores vertically positioned and chilled. The grab samples were placed on ice in coolers or in the prefabricated core containers. Cores and grab samples were either transferred from the sampling vessel to a truck or from the sampling vessel to the transport vessel, from the transport vessel to a truck, and then from the truck to the walk-in cooler at the CPG field facility. Both the transport vessel and truck were equipped with a prefabricated core container that kept the cores vertically positioned and cores and grab samples chilled. In accordance with SOP No. LPR-S-03, Sediment Coring Using a Vibracorer, cores greater than 5.5 ft were segmented on the vessel to allow for storage and transportation.

Samples were maintained under chain-of-custody (COC) from collection, through delivery to the CPG field facility, and then through delivery to the laboratories per SOP No. LRC-G-05, Sample Custody.

Sample handling, packaging, and shipment followed procedures outlined in SOP No. LPR-G-06, Sample Packaging and Shipping. Samples were stored in the walk-in cooler maintained between 2°C and 6°C prior to and following processing. At the end of each day, sample coolers were packed for shipment and COC forms were prepared for each cooler. All coolers were shipped via United Parcel Service priority overnight delivery.

2.3.8 Investigation-Derived Waste

The management of IDW was conducted in accordance with SOP No. LPR-G-04, Investigation-Derived Waste (IDW) Handling and Disposal. IDW generated during the LRC SSP2 included sediment residuals from the boat and processing area, spent core liners, contaminated Personal Protective Equipment (PPE), and spent equipment decontamination solutions. These materials were transferred to 55-gallon waste drums within the CPG facility on a daily basis.

The LRC SSP waste characterization data were used in the disposal of IDW for LRC SSP2. Composite waste characterization samples were collected from the sediment and liquid IDW waste drums during the LRC SSP field event and analyzed for the following parameters, as appropriate for the matrix: percent moisture, Toxicity Characteristic Leaching Procedure (TCLP) Metals, TCLP Mercury, Total CN, Sulfide, TCLP Pesticides, TCLP VOCs, TCLP SVOCs, TCLP Herbicides, PCB Aroclors, PCDDs/PCDFs, Paint Filter Test (free liquids), pH, TPH and Flashpoint. Non-sediment and non-liquid waste including used PPE, spent core liners, etc. were classified similarly to the sediment and liquid waste.

Based on the waste classification analytical results, the sediment and liquid IDW were classified as non-hazardous waste materials. These wastes were transported by Environmental Industrial Services Corp of New Jersey as non-hazardous wastes to Clean Venture/Cycle-Chem, Inc. (CVCC) for disposal. **Table 2-6** summarizes the non-hazardous waste drums transported and disposed of by CVCC.

Decontamination fluids, nitric acid, and solvents were collected in separate containers. One 55-gallon drum of solvent waste (D001), one 55-gallon drum of nitric acid waste (D008), and one 55-gallon drum of formaldehyde waste (D001) were transported by Environmental Industrial Services Corp to CVCC as hazardous wastes (Manifest Tracking Number 002568822 JJK). Formaldehyde was not used

during the LRC SSP2 field program, but was disposed of with the LRC SSP2 wastes as part of the field facility clean up and demobilization.

Appendix C includes the bills of lading and manifest records.

2.4 Sample Collection

Field sampling activities were conducted from September 23 to October 26, 2013. Two types of sediment samples were collected during implementation of the LRC SSP2: 1) sediment cores and 2) surface grab samples. Sampling activities were documented in field log books and on site-specific field forms. Daily Activity Logs are included in **Appendix D**. Sample collection procedures are discussed in the following sections.

2.4.1 Sediment Coring

Sediment coring was performed using vibracoring techniques in accordance with SOP No. LPR-S-03, Sediment Coring Using a Vibracorer. **Table 2-2** presents a summary of core collection information.

2.4.2 Sediment Grab Sample Collection

Surface sediment grab samples were collected following the procedures outlined in SOP No. LPR-S-01, Sediment Grab Sampling. **Table 2-3** presents a summary of the grab sample collection information.

2.5 Sample Processing

Processing of sediment cores and grab samples was performed in an enclosed processing tent within the CPG field facility. Sample processing procedures are discussed in the following sections. Samples were processed in accordance with the SOP No. LPR-S-04, Core Processing, SOP No. LPR-S-1, Sediment Grab Sampling, and SOP No. LPR-G-06, Sample Packaging and Shipping, except as noted:

- Sample caps were secured with electrical PVC tape instead of clear plastic tape as specified in the SOPs. The tape does not come in contact with the samples, so this practice did not impact the quality of the samples.
- Sample caps for mercury samples were not secured with tape because the samples were collected using clean hands/dirty hands techniques and were placed in zip lock bags at the time of sampling. The zip lock bags were not reopened at the field facility prior to shipping to apply tape. This practice did not impact the quality of the samples.

2.5.1 Sediment Core Processing

Processing of the sediment cores was performed in accordance with SOP No. LPR-S-04, Core Processing, except as noted below:

- At station 13B-0510, a core with 75% recovery was used as the secondary core because only one core of the three attempts had greater than 80% recovery. The use of this lower recovery core was considered acceptable because both cores were advanced to 9.5 feet, and native material was observed at approximately the same depth in both cores: 1.9 feet in the primary core (core with 80% recovery) and 1.7 feet in the secondary core (core with 75% recovery). In accordance with the LRC SSP QAPP, samples submitted for analyses were collected of

the sediments above the native materials. Additionally, samples from the core with 75% recovery were analyzed for only the lower priority analytes: SVOCs, TPH-Extractables, specific gravity, moisture, and grain size. Therefore, the use of the core with 75% recovery did not impact the quality of the data. This practice was not repeated.

During core processing lithology logs were developed for each core. The lithology logs are included as **Appendix E** and the material observed in the deepest processed interval for each station is described in **Table 2-2**, along with depth to native material, if encountered. Each core was also photographed. The core photographs are included in **Appendix F**. The core samples were also screened for VOCs, mercury, and hydrogen sulfide (H_2S). The highest headspace readings recorded for each station are shown in **Table 2-7**.

2.5.2 Sediment Grab Sample Processing

Processing of the sediment grab samples was performed in accordance with SOP No. LPR-S-1, Sediment Grab Sampling with the following exceptions:

1. At station 13B-0551, a sample bottle was inadvertently not available at the time of the grab sample collection and the AVS/SEM sample was collected from the intermediary Teflon lined bucket and not from the grab sampler as required by SOP No. LPR-S-1 Attachment 4. Minimal impact on the quality of the data is expected, because the sample was collected from the center of the large bucket and oxygen alteration was considered to be negligible. This practice was not repeated.
2. Also at station 13B-0551, the samples for sulfide and nutrients (ammonia-nitrogen, phosphorus, and TKN) were not collected from the grab sample prior to disposal as IDW. The sample for these constituents was collected from the undisturbed 0 to 0.5 ft core interval, the same interval as the grab sample, of the secondary core. Collecting these analytes from the undisturbed core should not have had any impact on the quality of the data. This practice was not repeated.

A description of the material observed in the grab samples for each station is provided in **Table 2-3**. Photographs of surface grab samples are included in **Appendix F**.

2.6 Field Measurements

Bulk density and salinity were measured at the CPG field facility at the time of sediment processing. The following procedures were followed to measure these constituents.

2.6.1 Sediment Bulk Density Measurements

The average bulk density of each sediment core was determined by taking the weight of each core, subtracting the average weight of the non-sediment elements (core liner [weight adjusted for liner length], end-caps and tape) and the weight (based on volume) of the overlying water column, then dividing the result by the calculated volume of sediment. Bulk density measurement results are provided in **Table 2-8**.

2.6.2 Salinity Measurements

The salinity of the pore water at each station was measured using a refractometer as specified by SOP No. LPR-S-01, Sediment Grab Sampling. Where available, the water for each measurement was obtained from overlying water after the grab samples were transported to the CPG facility. With

the use of a power grab to collect sediment grab samples, five grab samples did not have overlying water. At these five stations salinity measurements were obtained from overlying water in the core samples after they were transported to the field facility and before processing the top interval. The salinity measurements are tabulated on **Table 2-9**.

2.7 Laboratory Analysis

Samples were analyzed according to the methods specified in the LRC SSP2 QAPP (AECOM 2013a). **Table 2-1** provides the analytical methods utilized for the LRC SSP2 sediment sample analysis.

Analyses were performed using the approved SOPs. An exception was identified for the grain size analysis and is discussed below.

For all LRC SSP2 samples the laboratory performing the grain size analysis, Geotesting Express, Inc. used a #200 mesh screen to determine the fines content as opposed to the #230 mesh screen that was specified in the SOP. To provide consistency with the LRC and LRC SSP sampling programs, Geotesting Express, Inc. estimated the percent passing a #230 sieve using the following procedure:

- Step 1: locate the sieve opening size for the #230 sieve (0.063 mm) on the X-axis of the grain size distribution report.
- Step 2: Draw a straight line up (perpendicular to the X-axis) from the 0.063 mm mark to the grain size distribution curve.
- Step 3: Draw a perpendicular line from the intersection point on the grain size distribution curve (step 2) across to the Y-axis.
- Step 4: The point where the line intersects the Y-axis is the percent passing value for the #230 sieve.

These estimated #230 sieve data along with the #200 sieve data are included in the analytical results tables in **Appendix I**. These data are qualified with a “J” indicating that they are estimated values.

2.8 Quality Assurance/Quality Control

This section discusses the QA/QC samples analyzed for the LRC SSP2.

2.8.1 Quality Control Samples

Field and laboratory QC samples were collected as part of the LRC SSP2. The purpose of these samples was to allow the quality of the data to be evaluated in terms of accuracy/bias and precision. Data quality and usability is discussed in Section 4.0.

2.8.1.1 Field Quality Control Samples

Field QC samples included field duplicate samples, equipment rinse blanks, and site-specific matrix spike and matrix spike duplicate (MS/MSD) samples that were collected for analysis by the laboratory. Field QC samples were collected at the frequency required by the program (AECOM 2013a).
A discussion of the results for these samples and other QC measures is provided in Section 4.0.

2.8.1.2 Laboratory Quality Control Samples

Laboratory QC samples were analyzed to provide a means of assessing the accuracy and precision of the analytical data. The laboratory QC program for the LRC SSP2 was based on analytical method requirements and the data quality needs of the program; a summary of the expected laboratory QC samples, frequency, and acceptance criteria was included in the LRC SSP2 QAPP (AECOM 2013a). These samples included, as appropriate for the method, method/preparation blanks, laboratory control samples (LCSs), surrogates, labeled internal standards, tracers, laboratory duplicates, and MS/MSD samples. Laboratory QC samples were analyzed at the frequency required by the program (AECOM 2013a). A discussion of the results for these samples and other QC measures is provided in Section 4.0.

2.8.1.3 Performance Evaluation Program

Pre-program performance evaluation (PE) samples for a PCDD/PCDFs, PCB Congeners, PAHs, and organochlorine pesticides were submitted to the primary laboratories performing these analyses in July 2013 prior to the start of the LRC SSP 2 sampling program. A summary of the results of the pre-program PE samples was prepared on August 23, 2013 and can be found in **Appendix G** of this report.

In addition to the pre-program PEs, laboratories performing analysis for PCDD/PCDFs, PCB congeners, PAHs, and organochlorine pesticides also analyzed known (i.e., not blind) PE samples during the LRC SSP2 at a rate of 1 PE sample per 20 field samples. The PCDD/PCDFs PE samples were obtained from Resource Technology Corporation of Laramie, Wyoming. The PAHs, PCB Congeners, and organochlorine pesticides PE samples were obtained from Phenova of Golden, Colorado. The vendors used for the LRC SSP2 in-program PE samples are consistent with the vendors used for the pre-program PE study, the RM10.9 program, and the LRC SSP and LRC SSP2 programs. The LRC SSP2 in-program PE samples were not submitted blind; the use of non-blind PE samples is consistent with the RM 10.9 sampling program and LRC SSP and with the LRC SSP2 QAPP (AECOM 2013a). The results for the in-program PE samples are included in **Appendix G**.

2.8.2 Data Validation

The laboratory results for the LRC SSP2 were subjected to formal data validation and data qualification per the program requirements (AECOM 2013a). All validation was performed by AECOM's subcontractor, LDC. In general, the USEPA Region 2 validation SOPs were used as the basis for validation. If a Region 2 SOP was not available for a specific method, an SOP for a similar method was adopted for guidance. Validation qualifiers and definitions are provided in **Table 2-10** and the data validation reports (DVRs) are contained in **Appendix H**.

At a minimum, all analytical fractions within a sample delivery group (SDG) received a limited validation as described in QAPP Worksheet #35 and corresponding to USEPA's Level 2B. Data packages subjected to limited validation received a completeness check to ensure that the data package contained the information necessary for full validation in the event that level of validation was needed at a later date.

Full validation (including review of raw data and verification of selected calculations) was conducted for all PCDD/PCDF and PCB congener analytical fractions. For all other parameters, except radiochemistry, full validation was performed on the first two SDGs received for each analytical fraction. After the first two SDGs the remaining SDGs were subjected to full validation for every tenth SDG, and limited validation for the other SDGs. Since there were only two SDGs for the

radiochemistry analyses performed under SSP2 only the first SDG was subjected to full validation and limited validation was performed on the second SDG.

2.8.3 Third-Party Evaluations

2.8.3.1 Field Oversight

USEPA's oversight contractor, CDM Smith, was present at the CPG field facility and on board the vessel(s) to perform oversight of sample collection and processing and to collect split samples.

2.8.3.2 Split Sample Collection

Sediment samples were split with CDM Smith on behalf of USEPA. CDM Smith personnel provided the required sample containers for split samples. AECOM personnel filled both the LRC SSP2 and CDM Smith sample containers from the same grab sample or homogenized sediment mixture collected from cores to ensure comparability. Generally, additional sample cores were required to obtain sufficient volume for split sample analyses. The CDM Smith split samples collected during sampling operations are listed in **Table 2-11**. The information in this table was provided by CDM Smith.

2.9 Data Management

The data generated during the LRC SSP2 included sample locations, sample collection and processing records, lithological descriptions, water level data, sample custody records, analytical results, and miscellaneous other records associated with field activities. Field data were either recorded manually onto standardized forms or in bound logbooks, or were entered into electronic templates on field laptop computers. Analytical results were received as data reports in Adobe Acrobat file format and as EQuIS® four-file electronic data deliverables (EDDs).

Data were submitted to the USEPA each month, per the Settlement Agreement, in Region 2 multi-media electronic data deliverable (MEDD) format along with the monthly progress report.

2.9.1 Reporting Conventions

All sediment results are reported on a dry weight basis. Specific choices that were made in calculation and reporting of data that require additional explanation to ensure complete understanding of the final reported values are discussed below.

2.9.1.1 PCDDs/PCDFs

All results flagged as Estimated Maximum Possible Concentration (EMPC) due to ion ratio failures were treated as estimated detections per USEPA Region 2 validation guidance. Homolog totals in the database include EMPC values.

2.9.1.2 PCB Congeners

The reporting convention used in the LRC SSP2 dataset for PCB congeners is to report all 209 congeners as separate analytes. All results flagged as EMPCs due to ion ratio failures were treated as estimated detections per USEPA Region 2 validation guidance. Coeluters are noted in the laboratory qualifiers by a C flag followed by the lowest congener number in the coeluting group. A separate total PCB sum was added to the database with the Chemical Abstract Service Number ("cas_rn") of 'PCB' and analyte name of 'PCB, TOTAL'. All non-detect congener results were treated as zeroes in calculating this total value and no coeluters were double counted.

Validation of homolog groups with respect to method blanks was performed treating the homolog results as separate analytes. Because the homolog groups were treated as separate analytes during validation, there are some cases where summation of the congeners does not equal the associated homolog group total concentration (due to the manner that blank actions were applied).

Table 2-1
Analytical Methods and Laboratories for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analysis	Primary Method Reference	Laboratory SOP	Laboratory
SVOCs	USEPA 8270C (USEPA 2008b)	GC/MS Analysis Based on Method 8270C, KNOX-MS-0016, Rev. 11, 7/12/11	TestAmerica, Knoxville, TN
	USEPA 3500 and 3600 Methods (USEPA 2008b)	Extraction and Cleanup of Organic Compounds from Waters, Soils, Solids, Sediments, Tissue, and Wastes Based on SW-846 3500 and 3600 Methods, KNOX-OP-0011, Rev. 14, 2/27/2013	TestAmerica, Knoxville, TN
PAHs/alkyl PAHs-HRGC/LRMS-SIM	NOAA 130 (NOAA 1998)	Extraction of Selected Semivolatile Organic Compounds and Alkylated PAHs for Analysis by GC/MS-SIM, KNOX OP-0023, Rev. 2, 2/28/2013	TestAmerica, Knoxville, TN
	NOAA 130, California EPA Air Resources Board Method 429 (NOAA 1998; California Environmental Protection Agency 1997)	Isotope Dilution Analysis of Selected Semivolatile Organic Compounds and Alkylated PAHs by Gas Chromatography/Mass Spectrometry-Selected Ion Monitoring (GC/MS-SIM), KNOX-ID-0016, Rev. 9, 11/14/2012	TestAmerica, Knoxville, TN
PCBs (Homologs and Congeners)	USEPA 1668A (USEPA 2003)	Standard Operating Procedure for the Analysis of Polychlorinated Biphenyls (PCBs), HRMS PCBs, DC_367, Rev. 2, 6/17/2013	SGS-Analytical Perspectives, Wilmington, NC
Ra-226/Cs-137	USEPA 600/80-032 Method 901.1 (USEPA 1980b)	Standard Operating Procedure for the Determination of Gamma Isotopes, GL-RAD-A-013, Rev. 25, 2/2013	GEL, Charleston, SC
	HASL-300, 28th Edition, GA-01-R (ASTM 2005)	Standard Operating Procedure for Gamma Spectroscopy System Operation, GL-RAD-I-01, Rev. 19, 1/2013	GEL, Charleston, SC
Pb-210[1]	HASL-300, 28th Edition, PO-01-RC (USDOE 1997)	Standard Operating Procedure for the Determination of Radiometric Polonium, GL-RAD-A-016, Rev. 15, 2/2013	GEL, Charleston, SC
	HASL-300, 28th Edition, GA-01-R (USDOE 1997)	Standard Operating Procedure for Gamma Spectroscopy System Operation, GL-RAD-I-01, Rev. 19, 1/2013	GEL, Charleston, SC
	ASTM C999-05; ASTM D6323-98 (ASTM 2003; ASTM 2005)	Standard Operating Procedure for Soil Sample Preparation for the Determination of Radionuclides, GL-RAD-A-021, Rev. 20, 8/2012	GEL, Charleston, SC

Table 2-1
Analytical Methods and Laboratories for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analysis	Primary Method Reference	Laboratory SOP	Laboratory
Organochlorine Pesticides (HRGC/HRMS)	USEPA 3640A (USEPA 2008b)	Gel-Permeation Cleanup, WS-OP-0012, Rev. 4.2, 3/5/2011	TestAmerica, West Sacramento, CA
	USEPA 1699, NYSDEC HRMS-2 (USEPA 2007b; NYSDEC 2004)	Analysis of Organochlorine Pesticides by High Resolution Gas Chromatography/High Resolution Mass Spectrometry, WS-ID-0014, Rev. 5.6, 2/10/2012	TestAmerica, West Sacramento, CA
TAL Metals & Titanium	USEPA 3050 (USEPA 2008b)	Metals Digestion, MET-3050, Rev. 12, 1/25/2012	ALS Environmental, Kelso, WA
	USEPA 6010C (USEPA 2008b)	Determination of Metals and Trace Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP), MET-ICP, Rev. 23, 9/28/2011	ALS Environmental, Kelso, WA
	USEPA 6020A (USEPA 2008b)	Determination of Metals and Trace Elements by Inductively Coupled Plasma-Mass Spectrometry, EPA Method 6020, MET-6020, Rev. 14, 3/19/2010	ALS Environmental, Kelso, WA
Butyltins	Krone (Krone et al. 1988)	Extraction of Organotins in Sediment, Water and Tissue Matrices, EXT-OSWT, Rev. 6, 11/10/2009	ALS Environmental, Kelso, WA
	Krone (Krone et al. 1988)	Butyltins, SOC-BUTYL, Rev. 11, 12/22/2011	ALS Environmental, Kelso, WA
AVS/SEM	USEPA-821-R-91-100 (12/91) (USEPA 1991)	Sulfides, Acid Volatile, GEN-AVS, Rev. 6, 1/6/2012	ALS Environmental, Kelso, WA
	USEPA 6010C (USEPA 2008b)	Determination of Metals and Trace Elements by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP), MET-ICP, Rev. 23, 9/28/2011	ALS Environmental, Kelso, WA
	USEPA 7470A (USEPA 2008b)	Mercury in Liquid Waste; MET-7470A, Rev. 14, 9/16/2009	ALS Environmental, Kelso, WA
Ammonia	USEPA 350.1 (USEPA 1993a)	Ammonia by Flow Injection Analysis, GEN-350.1, Rev. 9, 1/18/2012	ALS Environmental, Kelso, WA

Table 2-1
Analytical Methods and Laboratories for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analysis	Primary Method Reference	Laboratory SOP	Laboratory
Cyanide	USEPA 335.2 (USEPA 2008b; USEPA 1993b)	Total Cyanides and Cyanides Amenable to Chlorination, GEN-CN, Rev. 17, 1/4/2012	ALS Environmental, Kelso, WA
Phosphorus	USEPA 365.3 (USEPA 1983)	Phosphorus Determination Using Colorimetric Procedure, GEN-365.3, Rev. 11, 10/13/2011	ALS Environmental, Kelso, WA
TKN	ASTM D3590-89A, ASTM D1426-93B (ASTM 1989; ASTM 1993)	Nitrogen, Total and Soluble Kjeldahl, GEN-TKN, Rev. 12, 2/17/2011	ALS Environmental, Kelso, WA
TOC	Lloyd Kahn Method (USEPA 1988b)	Carbon, Total Organic in Soil, GEN-ASTM, Rev. 7, 8/8/2011	ALS Environmental, Kelso, WA
Total Sulfide	USEPA 9030B (USEPA 2008b)	Total Sulfides by Methylene Blue Determination, GEN-9030, Rev. 10, 12/21/09	ALS Environmental, Kelso, WA
TPH Extractables	New Jersey OQA-QAM-025-02/08 (NYSDEC 2004)	Quantitation of Semi-Volatile Petroleum Products by GC/FID (New Jersey OQA-QAM-025-02/08), BR-GC-009, Rev. 1, 9/10/2008; SOP Change-In-Process Attachment, Quantitation of SVOA Petroleum Products by GC/FID (CIPA-BR-GC-009_09.25.08)	TestAmerica, Burlington, VT
PCDD/PCDFs	USEPA 1613B (USEPA 1994)	Polychlorinated Dibenzo Dioxin/Furans, DC_364, Rev. 1, 11/12/2012	SGS-Analytical Perspectives, Wilmington, NC
Low Level Mercury	USEPA 1631 (USEPA 2002)	BRL Procedure for EPA Method 1631, Total Mercury in Tissue, Sludge, Sediment, and Soil by Acid Digestion and Bromide Chloride (BrCl) Oxidation by Cold Vapor Atomic Fluorescence Spectrometry (CVAFS), BR-0002, Rev. 010e, 11/1/2012	Brooks Rand, Seattle, WA
Grain Size	ASTM D422 (ASTM 2007)	Test Method for Particle Size Analysis of Soils, Rev. 7, 9/2010	GeoTesting Express, Acton, MA
Specific Gravity	ASTM D854 (ASTM 2002)	Standard Test Method for Specific Gravity of Soil Solids by Water Pycnometer, Rev. 6, 7/2011	GeoTesting Express, Acton, MA

Table 2-1
Analytical Methods and Laboratories for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analysis	Primary Method Reference	Laboratory SOP	Laboratory
Percent Moisture	USEPA 160.3 (USEPA 1983)	Percent Solids Determination, AP-SP-C2, Rev. 6, 10/8/2010	SGS-Analytical Perspectives, Wilmington, NC
	USEPA 160.3 SM2540G (USEPA 1983)	Dry Weight Determination, BR-1501, Rev. 6, 5/31/12	Brooks Rand, Seattle, WA
	USEPA 160.3 (USEPA 1983)	Total Solids, GEN-160.3, Rev. 11, 4/10/2007	ALS Environmental, Kelso, WA
	ASTM D2216 (ASTM 2010)	Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock Mass, Rev. 6, 7/2011	GeoTesting Express, Acton, MA
	USEPA 160.3 (USEPA 1983)	Percent Moisture, KNOX-WC-0012, Rev. 8, 11/3/2009	TestAmerica, Knoxville, TN
	ASTM D2216 (ASTM 2010)	Determination of Percent Moisture [ASTM D2216], SOP No. WS-OP-0013, Rev. 4.2, 03/29/2013	TestAmerica, West Sacramento, CA
	USEPA CLP SOW (USEPA 2007c)	Percent Moisture Determination, BR-WC-006, Rev. 6, 10/29/2010	TestAmerica, Burlington, VT

Notes:
[1]Pb-210 activity will be derived from Po-210
ASTM - American Society for Testing and Materials
AVS/SEM - Acid Volatile Sulfides/Simultaneously Extracted Metals
CLP - Contract Laboratory Program
Cs-137 - Cesium Isotope 137
CVAFS - Cold Vapor Atomic Fluorescence Spectrometry
EPA - United States Environmental Protection Agency
GC/FID - Gas Chromatography/Flame Ionization Detector
GC/MS - Gas Chromatography/Mass Spectrometry
GEL - General Engineering Laboratories, LLC
HASL - Health and Safety Laboratory
HRGC/HRMS - High Resolution Gas Chromatography-High Resolution Mass Spectrometry
HRGC/LRMS - High Resolution Gas Chromatography-Low Resolution Mass Spectrometry
ICP - Inductively Coupled Plasma
NOAA - National Oceanic and Atmospheric Administration
NJDEP - New Jersery Department of Environmental Protection
NYSDEC - New York State Department of Environmental Conservation
PAH - Polycyclic Aromatic Hydrocarbons
Pb-210 - Lead Isotope 210
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxins
PCDF - Polychlorinated Dibenzofurans
Po-210 - Polonium Isotope 210
Ra-226 - Radium Isotope 226
SIM - Selective Ion Monitoring
SOP - Standard Operating Procedure
SOW - Statement of Work
SVOA - Semivolatile Organic Analysis
SVOC - Semivolatile Organic Compound
TAL - Target Analyte List
TKN - Total Kjeldahl Nitrogen
TOC - Total Organic Carbon
TPH - Total Petroleum Hydrocarbons
USDOE - United States Department of Energy
USEPA - United States Environmental Protection Agency

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0501	10/1/13	7.23	C1	LRC	587226.00	705566.13	3.2	3.1	96.9	3.07	17.8	-17.60		fine to coarse SAND, little silt, (7.5YR 3/2) dark brown, loose to medium dense, moist, well graded
13B-0501	10/1/13	7.23	C2	LRC	587225.44	705559.83	4.1	3.6	87.8	3.32	17.1	-17.30		fine to coarse SAND, little silt and medium to coarse gravel, (7.5YR 3/2) dark brown, medium dense, wet, well graded
13B-0502	9/30/13	7.23	C2	LRC	587361.47	705515.59	3.5	2.8	80	2.45	7.1	-7.40		fine silty SAND, (7.5YR 3/1) very dark gray, medium dense, moist, washout from core shoe at bottom 0.3'
13B-0503	9/30/13	7.22	C1	LRC	587412.51	705484.78	3.5	3.3	94.3	3.03	6	-4.70		very fine silty SAND, (10YR 3/1) very dark gray, dense, wet
13B-0503	9/30/13	7.22	C2	LRC	587412.74	705478.65	2.9	2.5	86.2	0.5	5.1	-4.40		fine SAND, some to little silt, trace fine gravel, (10YR 3/1) very dark gray, dense, wet, pieces of wood & fine gravel in silt at surface
13B-0504	9/26/13	7.31	C2	LRC	587278.95	706062.20	15	12.8	85.3	3.81	8.3	-8.50		silty CLAY, (10YR 3/1) very dark gray, medium plasticity, stiff, moist, slight HC-like odor
13B-0504	9/26/13	7.31	C4	LRC	587283.99	706059.88	13.8	12.7	92	12.64	11.4	-9.90	10.25	fine SAND, little medium sand, (5YR 3/2) dark reddish brown, dense, moist, homogenous, slight black stained clay bands with stained nodules at 12.4'
13B-0505	9/26/13	7.31	C1	LRC	587339.04	706030.05	7.6	7.3	96.1	6.53	20	-16.20	5.2	SILT and vf SAND, (7.5YR 4/4) brown, non plastic, very stiff, moist
13B-0505	9/26/13	7.31	C2	LRC	587347.66	706029.62	5.2	6	115.4	5.33	20.2	-16.30		fine silty SAND, trace medium sand, (5YR 3/3) dark reddish brown, medium dense, moist
13B-0506	10/2/13	7.32	C2	LRC	587476.16	705990.09	3.1	2.8	90.3	2.5	10.4	-10.70		GRAVEL and fine to coarse SAND, some cobbles, (5YR 3/2) dark reddish brown, dense, wet, well graded, reddish gravel & cobbles (transition zone to native)
13B-0506	10/2/13	7.32	C3	LRC	587479.26	705985.13	2.2	2	90.9	1.44	9.5	-10.30		fine silty SAND, (2.5Y 2.5/1) black, medium dense, moist
13B-0507	10/1/13	7.31	C2	LRC	587584.42	705926.55	3.8	3.6	94.7	3.55	6	-3.70		CLAY, some silt, (10YR 2/1) black, medium plasticity, medium stiff, moist, fine sand layer 3.05-3.2'.
13B-0507	10/1/13	7.31	C3	LRC	587585.72	705921.14	3.7	3.4	91.9	3.3	5.3	-3.70		CLAY, some silt, (10YR 3/1) very dark gray, medium plasticity, medium stiff, moist, few fine sand lenses
13B-0509	10/14/13	8.55	C1	LRC	589716.34	711830.32	5.4	4.6	85.2	4.17	8.2	-11.90		silty SAND, trace medium gravel, (10YR 2/1) black, medium dense, wet to moist, slight HC-like odor, slight washout at bottom
13B-0509	10/14/13	8.55	C2	LRC	589713.83	711828.30	6.4	5.3	82.8	5.04	8.2	-8.70		fine silty SAND, (10YR 2/1) black, moist to wet, fine-coarse sand layer at 4.6'-4.85', some-little organics and debris (cloth, plastic) throughout
13B-0510	9/25/13	8.71	C1	LRC	590067.16	712573.89	9.5	7.1	74.7	3.82	8.9	-8.70	1.8	fine to medium SAND, some coarse gravel, (5YR 4/3) reddish brown, moist, poorly graded, coarse sand zones at 3.3' & 3.7' (Native)
13B-0510	9/25/13	8.71	C3	LRC	590071.26	712572.81	9.5	7.6	80	4.27	10.9	-9.20	1.9	fine to coarse SAND, (5YR 4/3) reddish brown, dense, moist, well graded, fine to coarse gravel (red) rounded - subrounded (Native)
13B-0511	10/8/13	8.70	C1	LRC	590287.32	712452.10	9.5	8.3	87.4	8.09	6.2	-3.20	7.55	very fine SAND and SILT, (5YR 4/3) reddish brown, non plastic , very stiff to dense, moist (Native)
13B-0511	10/8/13	8.70	C3	LRC	590285.48	712443.10	8	7.3	91.3	6.95	7.2	-2.80		fine to medium silty SAND, some fine to coarse gravel, (10YR 2/1) black, dense to very dense, wet to moist , slight HC-like odor, some to little slag, large angular cobble at 6.62'-6.85', few native silt and fine sand lenses at bottom

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0515	10/8/13	9.07	C1	LRC	591317.04	714094.44	9.5	8.7	91.6	3.06	16.2	-12.10	1.71	SILT, little clay, (5YR 4/4) reddish brown, non plastic , medium stiff to stiff, wet to moist (Native)
13B-0515	10/8/13	9.07	C2	LRC	591318.02	714088.65	8	7.2	90	4.14	14.3	-11.40	2.19	fine SAND, (5YR 4/3) reddish brown, dense, moist (Native)
13B-0516	10/10/13	9.22	C2	LRC	591540.82	714858.36	13.4	13.6	101.5	12.7	14	-13.00	11.4	very fine to fine SAND, little silt trace organics, (5YR 4/2) dark reddish gray, dense, moist , slight HC-like odor, homogenous, minor black staining throughout (Native)
13B-0516	10/10/13	9.22	C3	LRC	591543.67	714850.87	12.3	12.6	102.4	3.79	17.1	-13.50		silty CLAY, (10YR 2/1) black, low plasticity, medium stiff, moist, moderate HC-like odor, HC-like staining
13B-0519	10/22/13	9.29	C2	LRC	591722.98	715161.14	20	17.6	88	17.1	18.3	-15.30		fine to medium SAND, trace silt, (5YR 3/4) dark reddish brown, medium dense, slightly moist
13B-0519	10/22/13	9.29	C5	LRC	591718.05	715154.29	12.4	11	88.7	0.5	19.6	-15.80		fine silty SAND, some clay, (10YR 2/2) very dark brown, medium dense, saturated, moderate HC-like odor, black muck on top, trash
13B-0521	10/9/13	9.37	C2	LRC	591969.13	715525.57	8.7	8.4	96.6	7.8	19.3	-16.80	7.63	SAND, (5YR 4/2) dark reddish gray, dense, moist, washout from core shoe at bottom (Native)
13B-0521	10/9/13	9.37	C3	LRC	591966.64	715529.68	8.4	7.5	89.3	3.5	19.5	-16.10		fine silty SAND, (10YR 3/1) very dark gray, medium dense, moist, with thin organic layers, fine-coarse sand and organics at 3.32'-3.39'
13B-0524	10/9/13	9.73	C1	LRC	592164.17	717304.17	7.8	6.7	85.9	6.39	9.4	-4.40		fine to coarse GRAVEL, some silt and fine to coarse sand, (10YR 3/1) very dark gray, some organics, washout at bottom
13B-0525	10/9/13	9.85	C1	LRC	592005.25	717904.42	8.9	8.3	93.3	7.42	5.7	-0.40		fine silty SAND, (10YR 3/2) very dark grayish brown, dense, moist, slight HC-like odor
13B-0525	10/9/13	9.85	C2	LRC	592009.08	717898.98	9.1	7.6	83.5	0.5	5.7	-1.10		sandy SILT, some to little organics, trace clay, (10YR 3/1) very dark gray, very soft, saturated
13B-0526	10/8/13	9.98	C1	LRC	591825.18	718615.38	9.3	8.7	93.5	8.02	10.5	-10.20	7.62	fine to medium SAND, little silt and gravel, trace coarse sand (2.5YR 4/4) reddish brown, dense, moist, slight HC-like odor, some black staining (Native)
13B-0526	10/8/13	9.98	C2	LRC	591821.63	718618.38	9	8.5	94.4	4.12	12.1	-10.70		CLAY, some silt, trace fine sand, (10YR 2/1) black, low plasticity, medium soft to medium stiff, wet to moist, strong HC-like odor, HC-like staining, trace fine sand and organics at 2', becomes medium stiff to stiff w/ depth.
13B-0527	10/8/13	9.99	C1	LRC	592046.59	718539.83	3.1	3	96.8	0.5	7.5	-2.40		SILT and vf SAND, some clay, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity, very stiff, wet to moist, layer of thin brown saturated silt on surface, mottled gray/brown
13B-0527	10/8/13	9.99	C2	LRC	592049.42	718544.26	2.8	2.8	100	2.6	7.3	-2.40		fine to coarse SAND, little fine to medium gravel, (N 4/) dark gray, medium dense, wet, gray silt layer @ 2.51-2.56'
13B-0527	10/8/13	9.99	C3	LRC	592050.10	718548.80	2.6	2.6	100	2.31	7.3	-2.70		fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, wet to moist
13B-0527	10/8/13	9.99	C4	LRC	592047.69	718546.77	2.8	2.7	96.4	0.5	7	-2.70		SILT, some clay, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity , very stiff, wet to moist, 0.2' layer of saturated SILT on surface, mottled gray brown
13B-0528	10/9/13	10.04	C3	LRC	592102.32	718836.19	12	11.6	96.7	11.54	12.1	-7.70		clayey SILT, (7.5YR 3/2) dark brown, medium plasticity, stiff, moist, increasing sand lenses, red fine-sand layer 10.8'-10.95' (native), black staining & slight HC-like odor 11.0'-11.54'
13B-0528	10/9/13	10.04	C4	LRC	592092.42	718845.47	14.6	16.8	115.1	3.77	13.9	-8.50		clayey SILT, (2.5YR 2.5/1) reddish black, low plasticity, medium soft to medium stiff, wet to moist, strong HC-like odor, HC-like staining, few fine sand lenses.

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0529	10/4/13	10.06	C2	LRC	591983.77	718946.57	8.2	8	97.6	7.26	14.8	-11.80	4.2	SILT, (5YR 4/3) reddish brown, non plastic, very stiff, wet to moist (Native)
13B-0529	10/4/13	10.06	C3	LRC	591980.50	718945.07	7.9	7.8	98.7	0.5	13.6	-11.70		fine to medium SAND, little silt and coarse sand, trace fine gravel (7.5YR 3/1) very dark gray, medium dense, wet, organics (sticks, wood) at top of core
13B-0530	9/25/13	10.06	C1	LRC	592060.74	718937.42	9.5	9.5	100	4.42	15.5	-11.90	1.8	SILT, (2.5YR 3/3) dark reddish brown, low plasticity, very stiff, moist (Native)
13B-0530	9/25/13	10.06	C3	LRC	592054.90	718937.50	7	7.3	104.3	4.12	15.4	-13.20	1.93	SILT, (2.5YR 4/3) reddish brown, low plasticity, very stiff, moist, angular deposition at contact (Native)
13B-0530	9/25/13	10.06	C4	LRC	592053.74	718933.92	7	5.6	80	4.34	15.5	-13.30	1.6	SILT, (2.5YR 4/3) reddish brown, non plastic, very stiff, moist (Native)
13B-0531	10/14/13	10.08	C1	LRC	592008.51	719056.68	3	2.6	86.7	2.3	14	-13.90		fine to medium SAND, some to little coarse sand trace silt, (2.5Y 3/1) very dark gray, medium dense to dense, wet to moist
13B-0531	10/14/13	10.08	C2	LRC	592009.48	719050.25	7.5	7.9	105.3	7.56	13.3	-13.30	4.42	very fine to fine SAND and SILT, (2.5YR 4/3) reddish brown to (5YR 4/3) reddish brown, non plastic, soft to stiff, wet (Native)
13B-0531	10/14/13	10.08	C3	LRC	592009.46	719045.38	8.4	9.6	114.3	0.5	12.6	-12.60		fine to coarse SAND, little silt and fine to medium gravel, (10YR 3/1) very dark gray, medium dense, wet to moist
13B-0532	10/8/13	10.08	C1	LRC	592073.79	719038.62	8.3	9.5	114.5	4.28	15	-12.90	3.73	SILT, (5YR 4/2) dark reddish gray, non plastic, very stiff, moist (Native)
13B-0532	10/8/13	10.08	C2	LRC	592076.36	719033.56	8	9.3	116.3	0.5	13.9	-12.70		fine SAND, little silt, (10YR 3/1) very dark gray, medium dense, wet to moist
13B-0533	9/26/13	10.08	C1	LRC	592159.64	719014.90	10	9.3	93	0.5	7.2	-7.30		SILT, little to trace fine sand, (10YR 3/1) very dark gray, non plastic, very soft, saturated
13B-0533	9/26/13	10.08	C2	LRC	592160.53	719012.83	10	9.4	94	9.62	7	-7.10		silty CLAY, (10YR 2/2) very dark brown, medium plasticity, stiff, moist, slight HC-like odor, few thin (1/4"-1/2") fine sand lenses between 7.65'-8.35'
13B-0533	9/26/13	10.08	C3	LRC	592160.84	719019.11	10	9.35	93.5	9.35	7.5	-7.10		CLAY, trace organics, (2.5Y 2.5/1) black, medium plasticity, stiff, moist, slight HC-like odor, slightly darker color
13B-0534	10/7/13	10.07	C2	LRC	592225.34	718991.22	9.7	8.9	91.8	8.59	4.8	-0.60		silty CLAY, trace fine sand, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, lenses of fine sand
13B-0534	10/7/13	10.07	C3	LRC	592227.46	718991.52	9.2	7.6	82.6	0.5	5.5	-0.50		SILT, some clay and fine sand, (10YR 3/2) very dark grayish brown, low plasticity, soft, saturated to wet, strong HC-like odor, thin layer of brown silt over black stained silt.
13B-0535	10/10/13	10.15	C2	LRC	592035.74	719430.22	5	4.5	90	4	18.2	-12.90	2.45	SILT, (5YR 4/3) reddish brown, non plastic, very stiff, wet to moist (Native)
13B-0535	10/10/13	10.15	C3	LRC	592041.73	719432.33	4.6	5	108.7	0.5	18.2	-13.20		fine SAND, some silt, (10YR 3/1) very dark gray, medium dense, wet
13B-0536	10/10/13	10.22	C1	LRC	592264.83	719802.79	7.3	5.9	80.8	5.28	8	-5.90	0.5	clayey SILT, (10YR 3/1) very dark gray, medium stiff to stiff, moist, moderate HC-like odor, few fine-sand lenses, black staining to 4.67', some washout at bottom 0.25'
13B-0536	10/10/13	10.22	C3	LRC	592268.70	719806.07	2.2	2.5	113.6	0.5	8.8	-5.00		silty SAND, some clay, (10YR 2/1) black, medium dense, wet to moist, trace coarse gravel & organics at top 0.3'

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0537	10/16/13	10.30	C2	LRC	592191.59	720198.24	3.4	3.7	108.8	3.29	14.5	-14.50	0.5	SILT, some clay, (5YR 3/4) dark reddish brown, medium plasticity, stiff, saturated (Native)
13B-0537	10/16/13	10.30	C3	LRC	592191.98	720193.73	2.5	2.3	92	1.6	14.2	-14.20	0.85	SILT, (5YR 3/4) dark reddish brown, non plastic, wet (Native)
13B-0538	10/15/13	10.30	C2	LRC	592283.32	720210.08	5.4	5.9	109.3	0.5	14.4	-14.40		SILT, some clay, (10YR 2/2) very dark brown, low plasticity, very soft, saturated, occasional roots, pieces of gravel
13B-0538	10/15/13	10.30	C3	LRC	592286.60	720187.09	7.2	7	97.2	6.88	5.7	-5.70	4.8	clayey SILT, (2.5YR 4/4) reddish brown, stiff, wet (Native)
13B-0539	10/16/13	10.45	C2	LRC	592051.14	721018.28	8.5	8.1	95.3	0.5	5.6	-3.80		fine to medium silty SAND, some gravel trace clay, (10YR 2/2) very dark brown, saturated, moderate HC-like odor, 0.25' of muck at surface, debris & glass pieces
13B-0539	10/16/13	10.45	C3	LRC	592052.73	721020.44	9	9	100	8.96	4.7	-3.60	7.59	SILT, (5YR 4/4) reddish brown, dense, saturated (Native)
13B-0540	10/15/13	10.46	C3	LRC	592298.27	721035.53	15	16.2	108	3.9	5.8	-6.20		CLAY, little silt, (2.5Y 2.5/1) black, low plasticity, stiff, moist, slight HC-like odor
13B-0540	10/15/13	10.46	C4	LRC	592295.43	721028.35	15.5	16.3	105.2	11.96	4.9	-6.10	10.32	SAND, (5YR 3/3) dark reddish brown, dense, moist (Native)
13B-0541	10/11/13	10.83	C1	LRC	592546.53	723051.50	8.9	7.3	82	6.65	11	-10.10	1.5	very fine to fine SAND, (2.5YR 3/4) dark reddish brown, dense, wet to moist, homogenous (Native)
13B-0541	10/11/13	10.83	C2	LRC	592540.61	723050.98	3	3.6	120	2.88	12.9	-11.50		fine to medium SAND, trace coarse sand, (10YR 4/4) dark yellowish brown, medium dense, moist, little iron staining at 2.45'.
13B-0542	10/11/13	11.01	C2	LRC	593407.75	723634.22	9	8.3	92.2	7.95	6.6	-4.70	7.55	SILT, little clay, (5YR 4/3) reddish brown, low plasticity, very stiff, wet to moist (Native)
13B-0542	10/11/13	11.01	C3	LRC	593415.93	723638.85	6.9	7.6	110.1	0.5	6.7	-4.80		fine silty SAND, some to little clay, trace fine to medium gravel, (10YR 2/1) black, medium dense, wet, moderate HC-like odor, HC-like staining
13B-0544	10/16/13	11.23	C1	LRC	594546.43	723857.60	5.2	4.6	88.5	4.33	10.4	-10.60		fine silty SAND, (5YR 3/2) dark reddish brown to (7.5YR 3/3) dark brown, dense, moist, alternating layers of fine sandy SILT
13B-0544	10/16/13	11.23	C2	LRC	594544.06	723858.33	4.3	4.2	97.7	3.97	10.4	-10.60		fine to medium silty SAND, trace clay, (10YR 4/3) brown, dense, moist, slight HC-like odor, gap in core at 3.41', bottom 2" clay and gravel washout.
13B-0547	9/23/13	11.31	C2	LRC	595022.27	723827.84	9.5	9.35	98.4	8.81	10.3	-11.50	7.15	very fine SAND and SILT, (2.5YR 4/4) reddish brown, non plastic, dense, wet, homogenous (Native)
13B-0547	9/24/13	11.31	C3	LRC	595016.67	723826.68	9.5	9.4	98.9	8.91	10.9	-10.80	6.35	very fine SAND and SILT, (2.5YR 4/4) reddish brown, non plastic, dense, wet to moist, homogenous (Native)
13B-0547	10/25/13	11.31	C5	HRC	595010.55	723820.57	9.5	9.1	95.8	8.19	12.9	-10.70	7.8	SILT, trace sand, (5YR 3/3) dark reddish brown, dense, moist (Native)
13B-0548	10/18/13	11.46	C1	LRC	595605.79	724350.21	8.8	8.75	99.4	8.79	4.7	-0.80		PEAT, some clay and sand, (10YR 2/1) black
13B-0548	10/18/13	11.46	C2	LRC	595608.95	724355.06	8.7	8.5	97.7	2.82	4.3	-0.70		SILT, trace clay, (N 2.5/) black, medium plasticity, soft, wet, moderate HC-like odor

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0549	10/17/13	11.67	C2	LRC	596219.15	725180.57	3.2	3.5	109.4	0.5	6.4	-3.00		SILT, trace sand and clay, (7.5YR 4/2) brown, low plasticity, soft, saturated, moderate HC-like odor
13B-0549	10/17/13	11.67	C3	LRC	596222.85	725178.66	3.3	3.4	103	2.65	5.5	-3.00		fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist
13B-0550	9/26/13	11.71	C1	LRC	596543.20	725257.85	5.1	4.7	92.2	4.55	5.2	-1.80		fine SAND, (10YR 3/2) very dark grayish brown, dense, moist, with large piece of wood
13B-0550	9/26/13	11.71	C3	LRC	596548.53	725249.52	5.7	5.5	96.5	5.37	5.2	-1.30		fine SAND, (5Y 2.5/1) black, medium dense, wet, fine-coarse sand layers (1/2") w/ red nodules at 4.25' & 4.8', few thin organic lenses (reeds), gap from core shoe at 5.1 to end of liner
13B-0551	9/24/13	11.77	C2	LRC	596621.15	725599.28	1.8	1.55	86.1	0.88	5	-2.70		fine to coarse silty SAND, little silt, (2.5YR 2.5/1) reddish black, loose to medium dense, wet to saturated, subrounded, well graded, organics (sticks), little med-lg gravel, organics decrease with depth, red sand nodule at bottom
13B-0552	10/17/13	12.15	C1	LRC	596920.86	727586.16	5.8	6.1	105.2	3.28	13.1	-13.60	2.2	clayey SILT, (5YR 5/4) reddish brown, low plasticity, firm, moist, irregular contact, large gravel at contact, some mottling (Native)
13B-0552	10/17/13	12.15	C2	LRC	596919.31	727587.85	6	6.5	108.3	4.27	12.4	-13.20	2.63	clayey SILT, (5YR 5/4) reddish brown, moist, sand parting at 2.9' (Native)
13B-0552	10/17/13	12.15	C3	LRC	596917.09	727590.64	4.9	4.6	93.9	4.18	11.3	-12.30	2.38	clayey SILT, (5YR 5/4) reddish brown, low plasticity, dense, moist (Native)
13B-0553	10/16/13	12.32	C1	LRC	596870.45	728437.54	3.3	2.9	87.9	0.5	6.5	-5.00		fine silty SAND, some coarse sand and fine gravel, (10YR 2/1) black, loose, wet, slight HC-like odor, some twigs and roots
13B-0553	10/16/13	12.32	C2	LRC	596869.49	728432.77	3.9	3.4	87.2	3.1	5.7	-4.50		silty CLAY, with organics, (7.5YR 4/3) brown to (10YR 2/1) black, high plasticity, medium stiff, moist, moderate HC-like odor, alternating layers of red-brown and dark brown clay
13B-0554	10/14/13	12.33	C1	LRC	597076.25	728538.47	9.5	9	94.7	8.03	3.8	-3.80	4.7	fine SAND, trace silt, (5YR 4/4) reddish brown, medium dense, moist, homogenous (Native)
13B-0554	10/14/13	12.33	C4	LRC	597066.41	728529.15	18	14.7	81.7	0.5	5.8	-6.20		fine silty SAND, some clay, (10YR 2/1) black, medium dense, saturated to wet, layer of soft silt & trace organics at top
13B-0555	10/3/13	12.45	C1	LRC	596643.16	729041.86	9.5	8.7	91.6	3.2	11.9	-13.50	1.22	fine SAND, trace medium to coarse sand, (5YR 3/3) dark reddish brown, medium dense, moist, silt layers (Native)
13B-0555	10/3/13	12.45	C2	LRC	596639.08	729038.42	6	5.5	91.7	4.28	10.4	-12.00	3	very fine to fine SAND, (5YR 3/3) dark reddish brown, dense to very dense, moist, large gravel at contact (Native)
13B-0556	10/7/13	12.69	C1	LRC	596294.89	730324.43	9.5	9.05	95.3	4.22	7.8	-3.80	2.72	fine to medium SAND, little to trace coarse sand, (5YR 4/3) reddish brown, dense, moist (Native)
13B-0556	10/7/13	12.69	C2	LRC	596297.07	730322.90	9.5	9.2	96.8	4.38	8.5	-3.80	2.38	very fine to fine SAND, little silt, (5YR 3/3) dark reddish brown, dense, moist (Native)
13B-0556	10/7/13	12.69	C3	LRC	596299.40	730320.53	9.5	8.3	87.4	0.5	8.9	-3.60		SILT and ORGANICS, (10YR 2/1) black, non plastic, very soft to soft, saturated, little to some fine sand
13B-0557	10/2/13	12.85	C1	LRC	596089.53	731127.81	3.7	3.65	98.6	0.5	11.1	-12.20		fine sandy SILT, little to trace clay, trace organics, (10YR 3/1) very dark gray, non plastic, wet to saturated
13B-0557	10/2/13	12.85	C2	LRC	596085.55	731126.73	10	9.9	99	4.77	9.5	-10.60	4.56	fine SAND, some to little fine to coarse gravel, (2.5YR 4/4) reddish brown, dense, moist, homogenous, subrounded red gravel (Native)

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0558	10/3/13	12.94	C2	LRC	596310.71	731556.98	8	7.8	97.5	7.35	12.7	-12.70	5.75	very fine to fine SAND, little to trace silt, (5YR 4/4) reddish brown, dense, moist, large red gravel/cobble at contact (5.75') and 7.15'-7.3' (Native)
13B-0558	10/3/13	12.94	C3	LRC	596311.15	731559.23	6.5	5.8	89.2	3.12	12	-12.80		fine to coarse SAND, little silt, (7.5YR 3/2) dark brown, medium dense, moist, well graded, coarsens downward, color change at bottom (10YR 3/3)
13B-0559	9/30/13	13.15	C2	LRC	596739.79	732535.50	10	9	90	8.4	11.8	-12.10	6.46	fine to coarse SAND and fine to medium GRAVEL, little silt, (5YR 4/2) dark reddish gray, loose to medium dense, wet (Native)
13B-0559	9/30/13	13.15	C3	LRC	596742.68	732534.37	6.5	6.5	100	6.16	11.8	-11.80	6	SILT, little clay, (5YR 4/2) dark reddish gray, low plasticity, very stiff, moist to dry (Native)
13B-0560	9/27/13	13.47	C1	LRC	597076.47	734181.75	6.4	6.2	96.9	5.86	14.2	-11.50		SILT, trace clay, (7.5YR 4/1) dark gray, non plastic, very stiff, moist to dry
13B-0560	9/27/13	13.47	C3	LRC	597079.84	734177.33	6.5	6.8	104.6	6.55	15.3	-11.80		SILT, little clay, (7.5YR 4/1) dark gray, very stiff, moist to dry, red-brown fine-med sand lenses (native) @ 5.1', 5.45' & 6.2'
13B-0561	9/30/13	13.73	C1	LRC	597549.19	735460.94	8	7.7	96.3	7.09	5.7	-4.00	6.5	SILT, (5YR 5/4) reddish brown, non plastic, very stiff, moist to dry (Native)
13B-0561	9/30/13	13.73	C2	LRC	597549.42	735462.70	9.5	8.7	91.6	8.29	4.8	-3.70	5.33	SILT, little clay, (5YR 5/2) reddish gray, very stiff, moist to dry, few red sand lenses (Native)
13B-0563	9/24/13	14.44	C1	LRC	598522.48	738363.61	8	6.75	84.4	6.75	3.6	-3.80		fine SAND, trace silt, (7.5YR 3/1) very dark gray, dense, moist to wet, few organics (sticks) and trace shell fragments
13B-0563	9/24/13	14.44	C2	LRC	598526.65	738362.74	9.5	8.2	86.3	8.28	6	-4.00		fine SAND, some to little silt, (7.5YR 3/1) very dark gray, medium dense, moist, large piece of wood & slag frags at 7.5', silt layer at 7.95-8.1'
13B-0571	10/4/13	12.81	C3	LRC	596222.00	730893.14	14.9	12.4	83.2	12	9.2	-4.60		fine SAND with fine to coarse GRAVEL, some to little coarse sand, little silt, few cobbles (7.5YR 3/3) dark brown, very dense, moist, red gravel & cobbles transitioning to native
13B-0571	10/4/13	12.81	C4	LRC	596220.47	730883.30	16.3	13.2	81	12.88	8.5	-4.70		medium to coarse SAND, little fine sand, (7.5YR 3/4) dark brown, dense, moist, little red gravel
13B-0572	10/1/13	12.99	C1	LRC	596599.47	731693.04	8.5	8	94.1	3.02	9.8	-7.30	2.27	SILT, little clay, trace coarse sand, (5YR 4/3) reddish brown, non plastic, very stiff, moist to wet (Native)
13B-0573	10/1/13	13.26	C2	LRC	596742.58	733125.64	5	4.9	98	4.22	15.4	-16.20	3.75	fine SAND, (2.5YR 4/3) reddish brown, medium dense, moist (Native)
13B-0573	10/1/13	13.26	C4	LRC	596746.46	733127.47	5.5	5.6	101.8	0.5	15.2	-15.90		fine SAND, little silt, trace medium to coarse sand, (5YR 3/1) very dark gray, medium dense, wet to moist, thin silt layer w/organics at top of core
13B-0574	10/2/13	13.48	C1	LRC	597009.00	734270.12	9.5	8.4	88.4	4.3	6.8	-3.20		fine SAND, little silt, (5Y 2.5/1) black, medium dense, moist, strong HC-like odor, HC-like staining
13B-0574	10/2/13	13.48	C2	LRC	597010.16	734268.96	10	8.9	89	8.4	6.5	-3.50	7.4	medium to coarse SAND, GRAVEL, and COBBLES, trace fine sand and silt, (5YR 4/3) reddish brown, loose, wet (Native)
13B-0574	10/2/13	13.48	C3	LRC	597012.80	734268.19	7.8	6.7	85.9	0.5	6.1	-4.20		fine SAND, some to little silt, little medium to coarse gravel, (10YR 2/1) black, dense, wet, few medium to coarse gravel/cobble

Table 2-2
Sediment Core Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Core Collection Date	River Mile	Core ID	Core Processed As[1]	NJ State Plane coordinates (feet NAD 83)		Core Penetration (feet)	Core Recovery (feet)	Recovery (%)	Logged Interval (feet)	Water Depth (feet)	River Bottom Elevation (feet NGVD 29)	Native Material Depth (feet)[2]	Material at Bottom of Core[3]
					Easting (Actual)	Northing (Actual)								
13B-0575	10/17/13	11.21	C1	LRC	594475.84	723984.00	3.4	2.8	82.4	2.35	5.1	-4.10		clayey SILT, (N 2.5/) black, high plasticity, soft, wet, moderate HC-like odor
13B-0575	10/17/13	11.21	C4	LRC	594470.63	723961.53	6.1	5.8	95.1	5.44	3.4	-3.00		fine silty SAND, some clay, (5Y 3/2) dark olive gray, medium dense, moist, occasional sandy layers, root layer at 3.5', occasional twigs, washout gap at 4.1'
13B-0578	10/24/13	11.36	C1	HRC	595286.91	723921.14	9.5	9.1	95.8	4.22	10.1	-10.50		SILT, some sand, (10YR 2/2) very dark brown, wet, slight HC-like odor, grading to reddish brown silt
13B-0578	10/24/13	11.36	C2	HRC	595284.90	723916.08	10	8.2	82	3.63	10.6	-9.90		fine silty SAND, some clay, (10YR 2/2) very dark brown, loose, moist, slight HC-like odor, thin seams of clay
13B-0578	10/24/13	11.36	C5	LRC	595276.38	723928.09	9.6	9.6	100	8.25	15	-12.00	6.25	SILT, (5YR 3/3) dark reddish brown, wet (Native)
13B-0578	10/24/13	11.36	C6	LRC	595272.38	723934.37	9.5	9.7	102.1	3.9	15.9	-13.10		fine to coarse silty SAND, trace clay, (10YR 2/2) very dark brown, dense, moist, slight HC-like odor, reddish brown silt pocket @ 3.5', clam shell @ 3.9'
13B-0578	10/24/13	11.36	C7	LRC	595271.17	723930.81	9.5	9.7	102.1	4.17	14.5	-12.70		fine to coarse silty SAND, (10YR 2/2) very dark brown, dense, clam shell @ 3.8'
13B-0578	10/25/13	11.36	C8	HRC	595272.62	723924.13	9.5	9.2	96.8	8.52	12.5	-11.00	7.5	SILT, (5YR 4/3) reddish brown, wet (Native)

Notes:

[1]"Core Processed As" Designations as follows:

LRC - Low Resolution Core

HRC - High Resolution Core

[2]Native material depth provided only if encountered.

[3]Description from deepest logged interval as indicated in the lithology core records (Appendix E).

At locations 13B-508, 13B-0512, 13B-0513, 13B-0514, 13B-517, 13B-0518, 13B-0520, 13B-0522 (grab only station), 13B-0523, 13B-0543, 13B-0546 (grab only station), 13B-0562 (grab only station), 13B-0564, 13B-0565 (grab only station), 13B-0566, 13B-0567 (grab only station), 13B-0568 (grab only station), 13B-0570 (grab only station), and 13B-0577 only grabs were collected.

Collection of cores and grabs was not possible at locations 13B-0545 and 13B-0569 (grab only station) due to poor recoveries.

At location 13B-0576 a grab sample was collected and archived. Station did not meet sampling objectives, so grab sample was not analyzed. Cores were not processed at this station due to poor recoveries.

blk - black

f - fine

fe - iron

HC - hydrocarbon

lg - large

med - medium

NAD 83 - North American Datum of 1983

NGVD 29 - National Geodetic Vertical Datum of 1929

slt - slight

w/ - with

Table 2-3
Surface Grab Sample Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Collection Date	River Mile	Grab Sample ID	NJ State Plane Coordinates (feet NAD 83)		River Bottom Elevation (feet NGVD 29)	General Description of Material in Surface Grab Sample
				Easting (Actual)	Northing (Actual)		
13B-0501	10/01/13	7.23	G2	587227.46	705551.95	-16.66	Silt+Sand
13B-0502	09/30/13	7.23	G1	587355.89	705518.79	-7.54	Silt+Sand+Gravel
13B-0503	09/30/13	7.22	G1	587410.21	705470.85	-4.31	Clay+Silt+Sand
13B-0504	09/26/13	7.31	G1	587272.58	706060.56	-8.79	Clay+Silt
13B-0505	09/26/13	7.31	G2	587333.33	706033.11	-16.55	Clay+Silt
13B-0506	10/02/13	7.32	G1	587481.64	705986.65	-10.14	Silt+Sand
13B-0507	10/01/13	7.31	G1	587585.62	705918.26	-3.53	Clay+Silt+Sand
13B-0508	10/03/13	8.39	G3	589485.88	711014.40	-16.12	Sand+Gravel
13B-0511	10/08/13	8.70	G1	590287.76	712443.23	N/A	Silt
13B-0512	09/25/13	8.85	G1	590455.50	713271.60	N/A	Silt
13B-0513	10/02/13	8.89	G1	590809.50	713266.64	N/A	Clay+Silt
13B-0514	09/25/13	8.92	G1	590691.75	713593.01	N/A	Silt+Sand
13B-0515	10/08/13	9.07	G1	591321.04	714091.62	-10.81	Silt
13B-0516	10/09/13	9.22	G2	591536.63	714846.84	-13.07	Clay+Silt+Sand
13B-0517	10/21/13	9.26	G2	591734.56	714997.82	-15.73	Sand+Gravel
13B-0518	10/10/13	9.27	G1	591712.53	715058.69	-17.76	Silt+Sand
13B-0519	10/21/13	9.29	G1	591716.63	715154.68	-14.78	Silt
13B-0520	10/03/13	9.37	G1	591910.81	715558.21	N/A	Silt+Sand+Gravel
13B-0521	10/09/13	9.37	G1	591966.30	715533.04	-15.28	Clay+Silt
13B-0522	10/04/13	9.50	G1	592435.33	716094.34	N/A	Silt
13B-0523	10/23/13	9.61	G2	592126.46	716635.37	N/A	Silt
13B-0524	10/09/13	9.73	G1	592169.82	717301.66	-3.72	Silt+Sand
13B-0525	10/09/13	9.85	G1	592011.25	717899.77	-1.94	Clay+Silt+Sand
13B-0526	10/08/13	9.98	G1	591826.79	718613.47	-11.43	Silt+Sand
13B-0527	10/08/13	9.99	G1	592040.59	718545.38	-4.22	Silt+Sand+Gravel
13B-0528	10/09/13	10.04	G2	592097.50	718840.60	-8.02	Silt
13B-0529	10/04/13	10.06	G1	591984.72	718940.23	-11.71	Silt+Sand
13B-0530	09/25/13	10.06	G2	592048.99	718936.07	-11.70	Clay+Silt+Sand
13B-0531	10/14/13	10.08	G1	592008.45	719041.61	-12.15	Silt+Sand
13B-0532	10/08/13	10.08	G1	592077.79	719028.92	-11.67	Silt+Sand
13B-0533	09/26/13	10.08	G1	592161.25	719020.39	-7.70	Silt
13B-0534	10/07/13	10.07	G1	592221.57	718984.56	-1.56	Silt
13B-0535	10/10/13	10.15	G1	592044.32	719429.92	-12.98	Silt+Sand
13B-0536	10/10/13	10.22	G1	592270.29	719810.37	-5.61	Clay+Silt+Sand
13B-0537	10/16/13	10.30	G2	592192.05	720186.99	-15.42	Silt+Sand
13B-0538	10/15/13	10.30	G1	592287.88	720176.29	-6.02	Clay+Silt
13B-0539	10/16/13	10.45	G2	592058.64	721021.33	N/A	Silt+Sand
13B-0540	10/15/13	10.46	G2	592300.09	721033.77	-6.48	Silt
13B-0541	10/11/13	10.83	G1	592539.75	723053.24	-9.32	Silt
13B-0542	10/11/13	11.01	G1	593412.17	723637.63	-2.01	Sand
13B-0543	10/11/13	11.19	G1	594326.70	723892.51	-0.24	Silt
13B-0544	10/16/13	11.23	G1	594546.99	723853.04	-11.39	Silt+Sand+Gravel
13B-0546	09/24/13	11.27	G2	594816.54	723771.24	-13.67	Silt
13B-0547	09/24/13	11.31	G1	595015.03	723815.15	-9.22	Silt
13B-0548	10/18/13	11.46	G1	595605.73	724343.28	N/A	Silt+Sand
13B-0549	10/17/13	11.67	G1	596225.78	725177.55	N/A	Silt+Sand
13B-0550	09/26/13	11.71	G1	596549.19	725249.36	N/A	Silt+Sand
13B-0551	09/24/13	11.77	G2	596613.77	725580.55	N/A	Sand+Silt
13B-0552	10/17/13	12.15	G2	596924.35	727583.12	-12.90	Silt
13B-0553	10/16/13	12.32	G2	596875.70	728451.33	N/A	Silt+Sand
13B-0554	10/14/13	12.33	G2	597066.93	728531.36	-8.64	Silt
13B-0555	10/03/13	12.45	G1	596636.43	729039.63	-11.06	Clay+Silt+Sand
13B-0556	10/07/13	12.69	G1	596298.16	730323.41	N/A	Silt
13B-0557	10/02/13	12.85	G1	596091.14	731131.35	-12.64	Clay+Silt
13B-0558	10/03/13	12.94	G1	596307.51	731545.75	-12.07	Clay+Silt
13B-0559	09/30/13	13.15	G1	596739.95	732540.33	-11.76	Silt+Sand
13B-0560	09/27/13	13.47	G1	597079.52	734180.47	-11.33	Silt+Sand+Gravel
13B-0561	09/30/13	13.73	G3	597538.32	735458.39	-6.72	Silt+Sand
13B-0562	09/27/13	13.79	G2	597465.00	735801.54	-10.56	Silt+Sand+Gravel
13B-0563	09/24/13	14.44	G1	598519.21	738363.59	N/A	Silt+Sand
13B-0564	09/24/13	14.56	G2	599059.94	738115.85	N/A	Silt+Sand+Gravel
13B-0565	09/27/13	8.26	G1	589551.67	710297.41	-6.54	Silt+Sand
13B-0566	09/27/13	8.29	G3	589351.01	710444.35	-14.12	Sand+Gravel
13B-0567	10/04/13	9.33	G2	591972.79	715287.30	-4.48	Silt
13B-0568	09/27/13	9.85	G2	591793.41	717827.07	-13.78	Clay+Silt
13B-0570	10/04/13	12.15	G3	597053.80	727564.24	N/A	Silt
13B-0571	10/03/13	12.81	G2	596217.50	730887.21	-5.79	Clay+Silt+Sand

Table 2-3
Surface Grab Sample Collection Summary for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	Collection Date	River Mile	Grab Sample ID	NJ State Plane Coordinates (feet NAD 83)		River Bottom Elevation (feet NGVD 29)	General Description of Material in Surface Grab Sample
				Easting (Actual)	Northing (Actual)		
13B-0573	10/01/13	13.26	G3	596738.57	733124.22	-15.87	Silt+Sand+Gravel
13B-0574	10/02/13	13.48	G2	597016.29	734268.81	-5.18	Silt+Sand+Gravel
13B-0575	10/17/13	11.21	G1	594453.92	723987.11	0.23	Silt+Sand
13B-0576	10/15/13	11.21	G3	594388.64	724159.15	N/A	Silt+Sand+Gravel
13B-0577	10/18/13	11.21	G1	594330.94	724238.34	N/A	Silt+Sand
13B-0578	10/24/13	11.36	G2	595284.33	723909.80	-9.46	Silt

Notes:

Table reflects grab samples processed only. Grab samples were proposed but could not be collected from the following locations: 13B-0509, 13B-0510, 13B-0545,13B-0569, and 13B-0572.

At location 13B-0576 a grab sample was collected and archived. Station did not meet sampling objectives, so grab sample was not analyzed.

NAD 83 - North American Datum of 1983

N/A - River bottom elevation not available for station, as station location is outside area of previous bathymetric surveys.

NGVD 29 - National Geodetic Vertical Datum of 1929

Table 2-4
Summary of Stations and Samples with Partial Analyses for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Station ID	Date Collected	Incomplete Interval	Analyses Not Completed Due To Volumetric or Recovery Issues or Laboratory Error
13B-0503	9/30/2013	D	PAHs, metals, cyanide, TOC, butyltins, TPH-ext, SVOCs, grain size
13B-0506	10/2/2013	C	SVOCs, TPH-ext
13B-0509	10/14/2013	A	Grain size
		A, B, C, E	TKN, ammonia[1]
13B-0524	10/9/2013	G	TPH-ext
13B-0530	9/25/2013	C	TPH-ext
13B-0533	9/27/2013	A	TKN[2]
13B-0539	10/17/2013	A	TKN[2]
13B-0544	10/17/2013	A	TKN[2]
13B-0547	9/23-9/24/2013	H	SVOCs, PAHs, TPH-ext
13B-0550	9/26/2013	A	TKN[2]
		F	SVOCs, TPH-ext, PAHs
13B-0551	9/24/2013	B	Pesticides, metals, butyltins, cyanide, TOC, SVOCs, PAHs, TPH-ext
13B-0553	10/16/2013	D	PAHs, TPH-ext, SVOCs, grain size
13B-0555	10/3/2013	C	SVOCs, TPH-ext
13B-0555	10/3/2013	D	TPH-ext
13B-0560	9/30/2013	A	TKN[2]
13B-0561	9/30/2013	G	PAHs, SVOCs, TPH-ext, grain size
13B-0563	9/24/2013	I	SVOCs, TPH-ext, grain size
13B-0570	10/4/2013	A	Pesticides, metals, cyanide, TOC, butyltins, PAHs, SVOCs, TPH-ext, grain size, sulfide, nutrients
13B-0572	10/1/2013	A	Metals, cyanide, TOC, butyltins, PAHs, SVOCs, TPH-ext, grain size
13B-0572	10/1/2013	B	TPH-ext
13B-0572	10/1/2013	C	PAHs, SVOCs, TPH-ext
13B-0577	10/18/2013	A	Metals

Notes:

[1] For four samples (13B-0509-C1AS, 13B-0509-C1BS, 13B-0509-C1CS, and 13B-0509-C1ES), the laboratory analyzed for phosphorous (only) in error and did not analyze for TKN and ammonia.

[2] For five samples (13B-0533-G1AS, 13B-0539-G2AS, 13B-0544-G1AS, 13B-0550-G1AS, and 13B-0560-G1AS), the laboratory did not report TKN.

PAHs - Polycyclic Aromatic Hydrocarbons
SVOCs - Semivolatile Organic Compounds
TKN - Total Kjeldahl Nitrogen
TOC - Total Organic Carbon
TPH-ext - Total Petroleum Hydrocarbons Extractable

Table 2-5
Bridges Within the LRC SSP2 Program Study Area
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Bridge Name	River Mile	Structure Type
West Arlington Street Bridge	7.81	Fixed Rail (decommissioned swing)
Rutgers (Rte 7) Bridge (Belleville)	8.53	Lift Deck
DeJesse-Avondale Street (Kingsland Avenue) Bridge	10.37	Opening Truss Swing
Lyndhurst-Delaware Rail Bridge	11.4	Opening Swing
Rutherford Avenue (Rte 3) Bridge	11.65	Double Leaf Bascule
Conrail Railroad Bridge	11.42	Swing
Union Avenue Bridge	12.98	Fixed Span
Gregory Avenue/ Main Street	13.89	Fixed Span
Market Street Bridge (Wallington St)	14.4	Fixed Span
(West) 8th Street Bridge	14.96	Fixed Rail (decommissioned)

Table 2-6
Non-Hazardous Waste Shipment Summary (55-gallon Steel Drums)[1] for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Date	Bill of Lading Number	Non-Hazardous Solid – Personal Protective Equipment/ Plastic	Non-Hazardous Solid – Sediment	Non-Hazardous Liquid
12/27/2013	176209	11	3	5
12/27/2013	176211	15	3	4
12/27/2013	176212	7	6	8
	Drum Totals	**33**	**12**	**17**

[1] Hazardous liquids consisting of solvents and acids used in the sampling equipment decontamination process and formaldehyde from a previous sampling program were also shipped and included three drums shipped on December 27, 2013 under Hazardous Waste Manifest Number 002568822 JJK.

Table 2-7
Summary of Core Processing for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	River Mile	Maximum Sampled Depth (feet)	Number of Core Sample Intervals Processed	Number of Core Sample Intervals Submitted for Analysis	Number of Core Sample Intervals Archived	General Overall Sediment Description and Observations from Cores at Each Location[2]	Total VOCs (ppm)	H_2S (ppm)	Hg (mg/m^3)
13B-0501	7.23	3.32	4	4	0	Black fine sand, little to some silt, trace organics becoming fine to coarse sand with little silt and medium to coarse gravel	0	0	0
13B-0502	7.23	2.45	3	3	0	Dark grey fine to medium sand, some silt over fine silty sand with slight HC-like odor becoming silt with some fine sand and little clay and organics over fine silty sand	0	0	0
13B-0503	7.22	2.5	4	4	0	Dark grey fine sand with some silt over very fine silty sand becoming fine to medium sand over silt with little clay becoming very fine silty sand	0	0	0
13B-0504	7.31	10.25	11	4	7	Black silt with little to some clay and strong HC-like odor over sandy silt with little clay and slight HC-like odor becoming clayey silt/silty clay with slight HC-like odor becoming silt and very fine sand with slight HC-like odor over silty clay becoming fine to medium native sand with slight HC-like odor. Intermittent black staining throughout	2	0	0.004
13B-0505	7.31	5.33	6	4	2	Black silt with little fine sand and trace clay over fine sand with trace silt becoming layers of clayey silt and fine sand with trace silt with moderate HC-like odor over fine sand and fine to coarse gravel becoming silt and very fine sand with trace clay over fine to coarse sand with some fine to medium gravel becoming native brown silt and very fine sand	0	0	0
13B-0506	7.32	2.5	3	3	0	Black silt becoming dark brown fine sand with gravel and cobbles over gravel and fine to coarse sand with some cobbles	0	0	0
13B-0507	7.31	3.5	4	4	0	Black silty clay becoming fine sand with little silt over clay with some silt	0	0	0
13B-0509	8.55	4.17	5	4	1	Black silt with coarse gravel and moderate HC-like odor and sheen becoming dark brown silt with some to little clay, trace to some fine sand and slight to moderate HC-like odor over silty sand becoming sandy silt with slight HC-like odor and staining becoming clayey silt with little to some fine sand and moderate HC-like odor and staining over fine silty sand	0	0	0
13B-0510	8.71	1.9	2	2	0	Black fine silty sand with trace organics and debris and slight HC-like odor becoming fine to medium sand with medium to coarse gravel and slight HC-like odor over native very fine sand and silt becoming native medium sand with little coarse gravel over native fine to medium sand with some coarse gravel	0	0	0
13B-0511	8.70	6.95	8	4	4	Dark grey silt with trace organics to sandy silt with some clay becomes clayey silt with little sand and slight HC-like odor and staining to silty clay with trace sand and gravel and moderate HC-like odor becoming sand with some silt and slight HC-like odor to sand and gravel becoming native sand and silt	2	0	0
13B-0515	9.07	2.19	3	3	0	Black silt to dark yellowish brown sand with little organics and gravel becoming native silt with little clay to native sand/silt	0	0	0
13B-0516	9.22	11.4	12	4	7	Dark grey sandy silt with little organics and clay and HC-like odor and staining to silty clay/clayey silt with trace sand and moderate HC-like odor and staining becoming clay with some silt, trace organics and slight HC-like odor and staining to sandy silt with slight HC-like odor and staining becoming native sand with little silt, trace organics, and slight HC-like odor and staining	1	0	0.007
13B-0519	9.29	17.1	18	4	14	Dark brown silt with some sand and moderate HC-like odor to silty sand with some clay and moderate HC-like odor becoming silt with little clay, trace sand, and moderate HC-like odor to silty sand/silt, trace-some clay, and moderate HC-like odor becoming sand with trace silt, and slight to no HC-like odor	0	0	0.005
13B-0521	9.37	7.63	8	4	4	Dark grey sand with some silt, trace organics to clayey silt with organics becoming sand with some silt and trace organics/clay with little silt to clay with little silt and strong HC-like odor and staining becoming native sand with little silt/silt with some clay	2	0	0.003

Table 2-7
Summary of Core Processing for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	River Mile	Maximum Sampled Depth (feet)	Number of Core Sample Intervals Processed	Number of Core Sample Intervals Submitted for Analysis	Number of Core Sample Intervals Archived	General Overall Sediment Description and Observations from Cores at Each Location[2]	Total VOCs (ppm)	H_2S (ppm)	Hg (mg/m^3)
13B-0524	9.73	6.39	7	4	3	Dark grey silt/clayey silt and organics with some sand to clayey silt, little sand, and slight HC-like odor and staining becoming gravel with some silt, sand, and organics	1	0	0
13B-0525	9.85	7.42	8	4	4	Dark grey sandy silt/clayey silt, organics to silty clay with trace organics and sand and moderate HC-like odor and staining becoming silty sand with slight HC-like odor to silty clay with trace sand and slight HC-like odor and staining becoming silty sand with slight HC-like odor	2	0	0.005
13B-0526	9.98	7.62	8	4	4	Black organics with little silt to silty sand becoming clay with some silt and strong HC-like odor and staining to dark grey silty sand becoming silty clay with slight HC-like odor to silty sand with slight HC-like odor becoming native sand with little silt and gravel and slight HC-like odor and staining	3	0	0.003
13B-0527	9.99	2.6	3	3	0	Dark yellowish brown silt with some clay and little sand to dark grey silty sand/silt and sand/sand with some silt becoming sand with little gravel	0	0	0
13B-0528	10.04	11.54	12	4	8	Dark grey silt with little sand to clayey silt with trace sand and strong HC-like odor and staining becoming silty clay/clayey silt with slight HC-like odor and staining	2	0	0.005
13B-0529	10.06	4.2	5	4	1	Organics to dark grey sand with some gravel, little silt becoming black sand with little silt and sand with petroleum-like odor and staining to native silt	0	0	0
13B-0530	10.06	1.93	3	3	0	Dark grey sand/silt becoming native silt	0	0	0
13B-0531	10.08	4.42	5	4	1	Dark grey sand with little gravel becoming native sand and silt	0	0	0
13B-0532	10.08	3.73	4	4	0	Dark grey sand with little silt to silt with some clay becoming sand with	0	0	0
13B-0533	10.08	9.62	10	4	6	Dark grey silt with trace sand to black silt with little clay and strong HC-like odor and staining becoming dark brown silty clay with slight HC-like odor	7	0	0
13B-0534	10.07	8.59	9	4	4	Black silt with some clay and sand and strong HC-like odor and staining to clayey silt with slight HC-like odor becoming silty clay with slight HC-like odor to dark greyish brown silty sand becoming black silty clay with trace sand and slight HC-like odor	0	0	0.003
13B-0535	10.15	2.45	3	3	0	Dark grey silt with some sand, trace clay and organics to sand with some silt becoming silt with trace clay to sand with some gravel becoming native silt	0	0	0
13B-0536	10.22	5.28	6	4	2	Dark grey silt with little clay and organics to dark reddish brown silt with some clay and slight HC-like odor and staining becoming black/dark grey silty sand/sandy silt with moderate HC-like odor and staining	0	0	0
13B-0537	10.30	0.5	1	1	0	Dark brown silty sand with little clay, trace gravel becoming native silt with some clay	0	0	0
13B-0538	10.30	4.8	5	4	1	Black silt with some clay and slight HC-like odor to dusky red clayey silt with strong HC-like odor becoming dark brown silty sand to native clayey silt	0	0	0.005
13B-0539	10.45	7.59	8	4	4	Dark brown silt with trace clay and moderate HC-like odor to silty sand with some clay and moderate HC-like odor becoming native silt	0	0	0
13B-0540	10.46	11.25	12	4	8	Black silt with some sand, little organics to fine silty sand becoming clayey silt with little sand and moderate HC-like odor to silty sand with slight HC-like odor becoming sand with trace to some silt to clayey silt/silty clay becoming silty sand with trace organics and slight HC-like odor and staining to clayey silt/sand layers with slight HC-like odor becoming native silt/sand	0	0	0.011
13B-0541	10.83	5.67	6	4	2	Black silt with some sand to clayey silt with little sand and slight HC-like odor becoming dark reddish brown sand with little silt and slight HC-like odor to clayey silt with slight HC-like odor becoming black sandy silt to dark greyish brown sand and some gravel becoming native sand	0	0	0

Table 2-7
Summary of Core Processing for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	River Mile	Maximum Sampled Depth (feet)	Number of Core Sample Intervals Processed	Number of Core Sample Intervals Submitted for Analysis	Number of Core Sample Intervals Archived	General Overall Sediment Description and Observations from Cores at Each Location[2]	Total VOCs (ppm)	H_2S (ppm)	Hg (mg/m^3)
13B-0542	11.01	7.55	8	4	4	Black silty sand, some clay and moderate HC-like odor and staining to silt with some sand, little clay and slight HC-like staining becoming interbedded dark brown sand and silt to black clayey silt becoming dark grey sand with little to some silt, trace organics to sand with little gravel becoming sand with some silt to sand with trace gravel becoming native silt with little clay	0	0	0.003
13B-0544	11.23	4.33	5	4	1	Dark reddish brown silty sand with some gravel, trace clay, slight HC-like odor to dark brown silt with trace clay and sand, slight HC-like odor becoming silty sand with slight HC-like odor to dark reddish brown silty sand/sandy silty layers	0	0	0
13B-0547	11.31	7.15	8	4	4	Black silt with little sand and clay, moderate HC-like odor to dark brown sandy silt with trace clay and organics, slight HC-like odor and staining becoming sand, trace silt to silt and sand interbedded with trace organics becoming dark reddish brown sand with some gravel to native sand and silt	3.0	0	0.007
13B-0548	11.46	8.79	9	4	5	Dark brown silty sand with trace clay, moderate HC-like odor to silt/clayey silt with trace sand, moderate to slight HC-like odor becoming silty sand with trace clay, moderate HC-like odor to silt with little clay becoming dark greyish brown silty sand/sand with trace clay to black peat with some clay and sand	0	0	0.006
13B-0549	11.67	2.65	3	3	0	Dark brown sandy silt, trace clay, moderate HC-like odor to dark grey silty sand with trace clay, moderate HC-like odor becoming layers of silt with trace to little clay, slight HC-like odor and silty sand with trace clay	0	0	0
13B-0550	11.71	5.37	6	4	2	Black silty sand with trace clay, some organics, slight HC-like odor to sand with trace gravel becoming silt with some sand, little clay to sand becoming silt with some to little sand, little to some clay to sand	0	0	0
13B-0551	11.77	0.88	2	2	0	Reddish black sand, little to some silt and gravel	4	0	0
13B-0552	12.15	2.5	3	3	0	Dark brown silt with trace sand and clay, slight HC-like odor to dark reddish brown silty sand, slight HC-like odor becoming dark brown clayey silt, slight HC-like odor to native clayey silt	0	0	0
13B-0553	12.32	3.5	4	4	0	Black silty sand, some clay, trace gravel, moderate HC-like odor to dark grey sandy silt, trace clay, moderate HC-like odor becoming silt with organics, little clay, slight HC-like odor to black silty clay with organics, moderate HC-like odor	0	0	0.003
13B-0554	12.33	4.7	5	4	1	Black silty sand, trace clay to clayey silt, some sand, slight HC-like odor and staining becoming sand, trace silt to clayey silt, some sand, slight HC-like odor and staining to sand with gravel becoming dark reddish gray silty sand to native silt, little to some clay becoming native sand with trace silt	0	0	0
13B-0555	12.45	3	4	4	0	Black clayey silt, trace sand and gravel, moderate HC-like odor and staining to silty sand, moderate HC-like odor becoming dark grey silty sand, moderate HC-like odor to native sand	1	0	0
13B-0556	12.69	2.5	3	3	0	Black silt with organics, some sand to sandy silt, some clay becoming silty sand, trace clay to native sand, little silt	0	0	0
13B-0557	12.85	4.5	5	4	1	Dark grey silt, some clay and organics to silty sand, trace organics and clayey silt with slight HC-like odor layers becoming native sand with some gravel	0	0	0
13B-0558	12.94	5.75	6	4	2	Black silt and organics to silty sand becoming silt, trace organics, little sand to dark brown sand, little silt becoming clay, little silt to silty sand/sand with little gravel becoming native sand, little silt	0	0	0
13B-0559	13.15	6.46	7	4	3	Black silty sand/dark greyish brown clayey silt with slight HC-like odor layers becoming silty clay/silty sand layers to native silt, little clay	0	0	0.008

Table 2-7
Summary of Core Processing for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	River Mile	Maximum Sampled Depth (feet)	Number of Core Sample Intervals Processed	Number of Core Sample Intervals Submitted for Analysis	Number of Core Sample Intervals Archived	General Overall Sediment Description and Observations from Cores at Each Location[2]	Total VOCs (ppm)	H_2S (ppm)	Hg (mg/m^3)
13B-0560	13.47	6.5	7	4	3	Dark grey sand/silt, little to some clay layers to black clayey silt, little sand becoming dark greyish brown sand to dark grey sandy silt becoming silty clay, little sand to native silt, little clay	0	0	0.013
13B-0561	13.73	6.5	7	4	3	Black sandy silt, some clay and organics, slight HC-like odor to silty sand/clayey silt layers becoming dark grey sand, trace gravel to black clay, moderate HC-like odor becoming sand and silt to dark grey sand, little gravel becoming silt, little clay to native silt	1	0	0
13B-0563	14.44	8.28	9	4	5	Dark brown with some silt and trace organics to black silt with trace sand and slight HC-like odor becoming black sand with some silt to black silt and organics with little sand and clay	57	0	0
13B-0571	12.81	12.5	13	4	9	Black silt and organics to dark brown sand with some gravel becoming sand with some gravel and few cobbles	0	0	0
13B-0572	12.99	2.27	3	3	0	Dark grey sand and gravel with some silt to silt and sand with little clay becoming organics with some silt and slight HC-like odor to silt with organics and moderate HC-like odor becoming reddish brown silt with little clay	0	0	0
13B-0573	13.26	3.75	4	4	0	Dark grey sand with little silt to sand and gravel becoming clayey silt with slight HC-like odor to reddish brown sand, gravel, and cobbles becoming layers of reddish brown silt and sand	0	0	0
13B-0574	13.48	7.4	8	4	4	Black silt, little to some clay/sand, some silt layers with moderate to slight HC-like odor to silty clay, trace sand, strong HC-like odor becoming sand, little silt, moderate HC-like odor to silty clay, trace sand, moderate HC-like odor becoming sand, little silt, slight HC-like odor to clayey silt, moderate HC-like odor and staining becoming dark grey sand, little silt to native sand and gravel	2	0	0.003
13B-0575	11.21	5.44	6	4	2	Black silt, trace sand and clay, moderate HC-like odor to black to dusky red to dark olive grey sandy silt, moderate HC-like odor	0	0	0
13B-0578	11.36	6.25	7	4	3	Dark greyish brown silty sand, some gravel, trace clay, moderate HC-like odor to dark brown silt, trace sand and clay, moderate HC-like odor becoming dark reddish brown silty sand to dark grey silty sand, trace clay, slight HC-like odor becoming dark brown silt, trace clay, slight HC-like odor to silty sand, slight HC-like odor becoming dark greyish brown silty sand, some gravel, trace clay, slight HC-like odor to native silt	0	0	0.005

Notes:

[1] No cores or grabs were collected at 13B-0545 and 13B-0569. At locations 13B-508, 13B-0512, 13B-0513, 13B-0514, 13B-517, 13B-0518, 13B-0520, 13B-0522, 13B-0523, 13B-0543, 13B-0546, 13B-0562, 13B-0564, 13B-0565, 13B-0566, 13B-0567, 13B-0568, 13B-0570, and 13B-0577 only grabs were collected. High resolution cores were also collected from stations 0547 and 0578 and are not included in this table, but are included in the appropriate appendices. At location 13B-0576 a grab sample was collected and archived. Station did not meet sampling objectives, so grab sample was not analyzed. Cores were not processed at 13B-0576 due to poor recoveries.

[2]Sediment descriptions are generalized over the length of the core and incorporate primary and secondary cores. Refer to the Lithology Records (Appendix E) for specific sediment classifications, observations, and depths.

Total VOCs, H_2S, and Hg values are maximum readings (highest headspace reading) per station during vapor screening of sediment.

H_2S - Hydrogen Sulfide

HC - Hydrocarbon

Hg - Mercury

mg/m^3 - Milligrams per Cubic Meter

ppm - Parts per Million

VOC - Volatile Organic Compound

Table 2-8
Bulk Density for LRC SSP2 Sediment Core Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location ID	Core Number	Core Segment ID	Bulk Density (g/cm^3)
13B-0501	C1	AB	1.75
13B-0501	C2	AB	1.71
13B-0502	C2	AB	1.51
13B-0503	C1	AB	1.70
13B-0503	C2	AB	1.79
13B-0504	C2	AB	1.36
13B-0504	C4	AB	1.39
13B-0504	C4	BC	1.44
13B-0504	C4	CD	1.58
13B-0505	C1	AB	1.57
13B-0505	C1	BC	1.89
13B-0505	C2	AB	1.63
13B-0505	C2	BC	1.61
13B-0506	C2	AB	1.91
13B-0506	C3	AB	1.52
13B-0507	C2	AB	1.61
13B-0507	C3	AB	1.72
13B-0509	C1	AB	1.50
13B-0509	C2	AB	1.56
13B-0509	C2	BC	1.43
13B-0510	C1	AB	1.93
13B-0510	C3	AB	1.98
13B-0511	C1	AB	1.29
13B-0511	C1	BC	1.88
13B-0511	C3	AB	1.36
13B-0511	C3	BC	1.46
13B-0515	C1	AB	1.91
13B-0515	C2	AB	1.87
13B-0516	C2	AB	1.24
13B-0516	C2	BC	1.23
13B-0516	C2	CD	1.46
13B-0516	C3	AB	1.23
13B-0519	C2	AB	1.39
13B-0519	C2	BC	1.18
13B-0519	C2	CD	1.45
13B-0519	C2	DE	1.91
13B-0519	C5	AB	1.37
13B-0521	C2	AB	1.66
13B-0521	C2	BC	1.24
13B-0521	C3	AB	1.70
13B-0524	C1	AB	1.25
13B-0524	C1	BC	1.10
13B-0525	C1	AB	1.30
13B-0525	C1	BC	1.31
13B-0525	C2	AB	1.29
13B-0526	C1	AB	1.24
13B-0526	C1	BC	1.65
13B-0526	C2	AB	1.19
13B-0527	C1	AB	1.48
13B-0527	C2	AB	1.67
13B-0527	C3	AB	1.65
13B-0527	C4	AB	1.55
13B-0528	C3	AB	1.22
13B-0528	C3	BC	1.34

Table 2-8
Bulk Density for LRC SSP2 Sediment Core Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location ID	Core Number	Core Segment ID	Bulk Density (g/cm^3)
13B-0528	C3	CD	1.36
13B-0528	C4	AB	1.19
13B-0529	C2	AB	1.95
13B-0529	C2	BC	1.97
13B-0529	C3	AB	1.96
13B-0530	C1	AB	1.75
13B-0530	C3	AB	1.74
13B-0530	C4	AB	1.75
13B-0531	C1	AB	1.87
13B-0531	C2	AB	1.94
13B-0531	C2	BC	1.92
13B-0531	C3	AB	1.93
13B-0532	C1	AB	1.90
13B-0532	C2	AB	1.81
13B-0533	C1	AB	1.19
13B-0533	C2	AB	1.22
13B-0533	C2	BC	1.31
13B-0533	C2	CD	1.31
13B-0533	C3	AB	1.22
13B-0533	C3	BC	1.33
13B-0533	C3	CD	1.29
13B-0534	C2	AB	1.33
13B-0534	C2	BC	1.38
13B-0534	C3	AB	1.34
13B-0535	C2	AB	1.90
13B-0535	C3	AB	1.83
13B-0536	C1	AB	1.54
13B-0536	C1	BC	1.27
13B-0536	C3	AB	1.62
13B-0537	C2	AB	1.72
13B-0537	C3	AB	1.72
13B-0538	C2	AB	1.72
13B-0538	C3	AB	1.27
13B-0538	C3	BC	1.70
13B-0539	C2	AB	1.42
13B-0539	C3	AB	1.34
13B-0539	C3	BC	1.63
13B-0540	C3	AB	1.36
13B-0540	C4	AB	1.29
13B-0540	C4	BC	1.60
13B-0540	C4	CD	1.74
13B-0541	C1	AB	1.76
13B-0541	C1	BC	2.01
13B-0541	C2	AB	1.69
13B-0542	C2	AB	1.65
13B-0542	C2	BC	1.69
13B-0542	C3	AB	1.60
13B-0544	C1	AB	1.53
13B-0544	C2	AB	1.46
13B-0547	C2	AB	1.68
13B-0547	C2	BC	1.83
13B-0547	C3	AB	1.54
13B-0547	C3	BC	1.87
13B-0547	C5	AB	1.45

Table 2-8
Bulk Density for LRC SSP2 Sediment Core Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location ID	Core Number	Core Segment ID	Bulk Density (g/cm^3)
13B-0547	C5	BC	1.84
13B-0548	C1	AB	1.49
13B-0548	C1	BC	1.49
13B-0548	C1	CD	1.36
13B-0548	C2	AB	1.50
13B-0549	C2	AB	1.57
13B-0549	C3	AB	1.64
13B-0550	C1	AB	1.59
13B-0550	C1	BC	1.27
13B-0550	C3	AB	1.60
13B-0550	C3	BC	1.33
13B-0551	C2	AB	1.69
13B-0552	C1	AB	1.81
13B-0552	C2	AB	1.72
13B-0552	C3	AB	1.60
13B-0553	C1	AB	1.53
13B-0553	C2	AB	1.49
13B-0554	C1	AB	1.63
13B-0554	C1	BC	1.89
13B-0554	C4	AB	1.50
13B-0555	C1	AB	1.75
13B-0555	C2	AB	1.43
13B-0556	C1	AB	1.70
13B-0556	C2	AB	1.67
13B-0556	C3	AB	1.70
13B-0557	C1	AB	1.42
13B-0557	C2	AB	1.38
13B-0558	C2	AB	1.68
13B-0558	C2	BC	2.02
13B-0558	C3	AB	1.66
13B-0559	C2	AB	1.40
13B-0559	C2	BC	1.73
13B-0559	C3	AB	1.39
13B-0559	C3	BC	1.45
13B-0560	C1	AB	1.45
13B-0560	C1	BC	1.48
13B-0560	C3	AB	1.40
13B-0560	C3	BC	1.70
13B-0561	C1	AB	1.68
13B-0561	C1	BC	2.02
13B-0561	C2	AB	1.79
13B-0561	C2	BC	1.86
13B-0563	C1	AB	1.45
13B-0563	C1	BC	1.26
13B-0563	C2	AB	1.46
13B-0563	C2	BC	1.31
13B-0571	C3	AB	1.91
13B-0571	C3	BC	1.99
13B-0571	C3	CD	1.79
13B-0571	C4	AB	1.73
13B-0571	C4	BC	1.98
13B-0571	C4	CD	NA
13B-0572	C1	AB	1.70
13B-0573	C2	AB	1.95

Table 2-8
Bulk Density for LRC SSP2 Sediment Core Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location ID	Core Number	Core Segment ID	Bulk Density (g/cm^3)
13B-0573	C4	AB	NA
13B-0574	C1	AB	1.47
13B-0574	C2	AB	1.67
13B-0574	C2	BC	1.50
13B-0574	C3	AB	NA
13B-0575	C1	AB	1.25
13B-0575	C4	AB	1.57
13B-0575	C4	BC	1.56
13B-0578	C1	AB	1.31
13B-0578	C2	AB	1.40
13B-0578	C5	AB	1.67
13B-0578	C5	BC	1.93
13B-0578	C6	AB	1.90
13B-0578	C7	AB	1.78
13B-0578	C8	AB	1.54
13B-0578	C8	BC	1.91

Notes:

The following samples were not processed for the following reasons:

1. Stations 13B-0508, 13B-0512, 13B-0513, 13B-0514, 13B-0517, 13B-0518, 13B-0520, 13B-0523, 13B-0543, 13B-0564, 13B-0566, and 13B-0577 had less than 80% recovery on all core attempts. For each of these stations, only the surface sediment grab sample was used for physical and chemical analysis. At location 13B-0576 all cores had less than 80% recovery on all core attempts. A grab sample was collected at this station and archived. Station did not
2. All surface sediment grab attempts for stations 13B-0509, 13B-0510, and 13B-0572 were unsuccessful.

3. For the eight stations where grab only samples were proposed (13B-0522, 13B-0546, 13B-0562, 13B-0565, 13B-0567, 13B-0568, 13B-0569, and 13B-0570), only one station, station 13B-0569, had no recovery on all grab attempts. Therefore, no samples were analyzed from this station.

4. At station 13B-0545, all core attempts had less than 80% recovery and all surface grab attempts had no recovery. No samples were analyzed from this station.

g/cm^3 = grams per cubic centimeter

NA = Not available - not all necessary parameters measured

Table 2-9
Salinity for Pore Water from LRC SSP2 Sediment Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	Collection Date	River Mile	Grab or Core	Salinity Screening Results (parts/thousand)
13B-0501	10/1/2013	7.23	G	0
13B-0502	9/30/2013	7.23	G	6
13B-0503	9/30/2013	7.22	G	5
13B-0504	9/26/2013	7.31	G	4
13B-0505	9/26/2013	7.31	G	5
13B-0506	10/2/2013	7.32	G	7
13B-0507	10/1/2013	7.31	G	5
13B-0509	10/14/2013	8.55	C[2]	1
13B-0510	9/25/2013	8.71	C[2]	0
13B-0511	10/8/2013	8.70	C[3]	1
13B-0512	9/25/2013	8.85	G	0
13B-0514	9/25/2013	8.92	G	0
13B-0515	10/8/2013	9.07	G	1
13B-0516	10/9/2013	9.22	G	0
13B-0517	10/21/2013	9.26	G	2
13B-0518	10/10/2013	9.27	G	1
13B-0519	10/21/2013	9.29	G	1
13B-0520	10/3/2013	9.37	G	0
13B-0521	10/9/2013	9.37	G	1
13B-0523	10/23/2013	9.61	G	1
13B-0524	10/9/2013	9.73	G	0
13B-0525	10/9/2013	9.85	G	0
13B-0526	10/8/2013	9.98	G	1
13B-0527	10/8/2013	9.99	G	0
13B-0528	10/9/2013	10.04	G	1
13B-0529	10/4/2013	10.06	G	2
13B-0530	9/25/2013	10.06	G	0
13B-0531	10/14/2013	10.08	G	0
13B-0532	10/8/2013	10.08	G	0
13B-0533	9/26/2013	10.08	G	0
13B-0534	10/7/2013	10.07	G	2
13B-0535	10/10/2013	10.15	G	1
13B-0536	10/10/2013	10.22	G	0
13B-0537	10/16/2013	10.30	G	1
13B-0538	10/15/2013	10.30	G	0
13B-0539	10/16/2013	10.45	G	0
13B-0540	10/15/2013	10.46	G	1
13B-0541	10/11/2013	10.83	G	1
13B-0542	10/11/2013	11.01	G	0
13B-0543	10/11/2013	11.19	G	0
13B-0544	10/16/2013	11.23	G	0
13B-0547	9/24/2013	11.31	G	0
13B-0548	10/18/2013	11.46	G	0
13B-0549	10/17/2013	11.67	G	0
13B-0550	9/26/2013	11.71	G	0
13B-0551	9/24/2013	11.77	G	0
13B-0552	10/17/2013	12.15	G	0
13B-0553	10/16/2013	12.32	G	0
13B-0554	10/14/2013	12.33	G	0
13B-0555	10/3/2013	12.45	G	0
13B-0556	10/7/2013	12.69	G	0
13B-0557	10/2/2013	12.85	G	0
13B-0558	10/3/2013	12.94	G	0

Table 2-9
Salinity for Pore Water from LRC SSP2 Sediment Samples
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location[1]	Collection Date	River Mile	Grab or Core	Salinity Screening Results (parts/thousand)
13B-0559	9/30/2013	13.15	G	0
13B-0560	9/27/2013	13.47	C[3]	0
13B-0561	9/30/2013	13.73	G	0
13B-0563	9/24/2013	14.44	G	0
13B-0564	9/24/2013	14.56	G	0
13B-0565	9/27/2013	8.26	G	2
13B-0566	9/27/2013	8.29	G	3
13B-0567	10/4/2013	9.33	G	0
13B-0568	9/27/2013	9.85	G	0
13B-0571	10/3/2013	12.81	G	0
13B-0572	10/1/2013	12.99	C[2]	0
13B-0573	10/1/2013	13.26	G	0
13B-0574	10/2/2013	13.48	G	0
13B-0575	10/17/2013	11.21	G	0
13B-0576	10/15/2013	11.21	G	0
13B-0577	10/18/2013	11.21	G	0
13B-0578	10/24/2013	11.36	G	0

Notes:

[1] At locations 13B-0508, 13B-0513, 13B-0522, 13B-0546, 13B-0562, and 13B-0570 there was either no water in the grabs for salinity measurements or the water in the grabs was too murky for salinity measurements, and cores were not collected. There was no sample collected at locations 13B-0545 and 13B-0569.

[2] No grab sample collected.

[3] Where salinity measurements could not be obtained from the grab samples (refer to Section 2.6.2), salinity data are provided for the top interval of the core.

G - Grab Sample

C - Core

Table 2-10
Data Qualification Codes and Definitions for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Qualifier	Definition[1]
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
EMPC-J[2]	The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration.

Notes:

[1] Qualifier definitions are consistent with USEPA Region 2 data validation guidance documents except where noted.

[2] All results flagged as EMPC due to ion ratio failures were treated as estimated detections.

Table 2-11
Summary of USEPA Split Sampling for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	CPG Sample ID	Core No. /Interval	Date Collected	Depth Interval (feet)	PAHs	Pesticides	PCB Congeners	PCDD/PCDF	SVOCs	TPH-ext	Metals	Mercury	TOC
13B-0547	13B-0547-C2AS	C2AS	9/23/2013	0 - 0.5	X	X	X	X					
13B-0547	13B-0547-C3AS	C3AS	9/24/2013	0 - 0.5					X		X	X	X
13B-0547	13B-0547-G1AS	G1AS	9/24/2013	grab						X			
13B-0564	13B-0564-G2AS	G2AS	9/24/2013	grab	X	X	X	X	X	X	X	X	X
13B-0530	13B-0530-C1AS	C1AS	9/25/2013	0 - 0.5	X	X	X	X					
13B-0530	13B-0530-C3AS	C3AS	9/25/2013	0 - 0.5					X		X	X	
13B-0530	13B-0530-C4AS	C4AS	9/25/2013	0 - 0.5						X			X
13B-0530	13B-0530-C1BS	C1BS	9/25/2013	0.5 - 1.5	X	X	X	X					
13B-0530	13B-0530-C3BS	C3BS	9/25/2013	0.5 - 1.5					X		X	X	
13B-0530	13B-0530-C4BS	C4BS	9/25/2013	0.5 - 1.5						X			X
13B-0533	13B-0533-C2BS	C2BS	9/26/2013	0.5 - 1.5	X	X	X	X				X	
13B-0533	13B-0533-C3BS	C3BS	9/26/2013	0.5 - 1.5					X	X	X		X
13B-0533	13B-0533-C2CS	C2CS	9/26/2013	1.5 - 2.5	X	X	X	X				X	
13B-0533	13B-0533-C3CS	C3CS	9/26/2013	1.5 - 2.5					X	X	X		X
13B-0560	13B-0560-C1BS	C1BS	9/27/2013	0.5 - 1.5	X	X	X	X				X	
13B-0560	13B-0560-C3BS	C3BS	9/27/2013	0.5 - 1.5					X	X	X		X
13B-0560	13B-0560-C1CS	C1CS	9/27/2013	1.5 - 2.5	X	X	X	X				X	
13B-0560	13B-0560-C3CS	C3CS	9/27/2013	1.5 - 2.5					X	X	X		X
13B-0559	13B-0559-C2AS	C2AS	9/30/2013	0 - 0.5					X	X	X	X	X
13B-0559	13B-0559-C3AS	C3AS	9/30/2013	0 - 0.5	X	X	X	X					
13B-0559	13B-0559-C2CS	C2CS	9/30/2013	1.5 - 2.5					X	X	X		X
13B-0559	13B-0559-C3CS	C3CS	9/30/2013	1.5 - 2.5	X	X	X	X				X	
13B-0503	13B-0503-C1AS	C1AS	10/1/2013	0 - 0.5	X	X	X	X				X	
13B-0503	13B-0503-C2AS	C2AS	10/1/2013	0 - 0.5					X	X	X		X
13B-0501	13B-0501-C1BS	C1BS	10/1/2013	0.5 - 1.5	X	X	X	X	X		X	X	X
13B-0501	13B-0501-C2BS	C2BS	10/1/2013	0.5 - 1.5						X			
13B-0501	13B-0501-C1CS	C1CS	10/1/2013	1.5 - 2.5	X	X	X	X	X		X	X	X
13B-0501	13B-0501-C2CS	C2CS	10/1/2013	1.5 - 2.5						X			
13B-0574	13B-0574-C1AS	C1AS	10/2/2013	0 - 0.5						X		X	
13B-0574	13B-0574-C2AS	C2AS	10/2/2013	0 - 0.5	X	X	X	X					
13B-0574	13B-0574-C3AS	C3AS	10/2/2013	0 - 0.5					X		X		X
13B-0574	13B-0574-C1CS	C1CS	10/2/2013	1.5 - 2.5					X	X	X		X
13B-0574	13B-0574-C2CS	C2CS	10/2/2013	1.5 - 2.5	X	X	X	X				X	
13B-0571	13B-0571-C3BS	C3BS	10/4/2013	0.5 - 1.5	X	X	X	X		X		X	
13B-0571	13B-0571-C4BS	C4BS	10/4/2013	0.5 - 1.5					X		X		X
13B-0571	13B-0571-C3CS	C3CS	10/4/2013	1.5 - 2.5	X	X	X	X	X		X	X	X
13B-0571	13B-0571-C4CS	C4CS	10/4/2013	1.5 - 2.5						X			

Table 2-11
Summary of USEPA Split Sampling for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Location	CPG Sample ID	Core No. /Interval	Date Collected	Depth Interval (feet)	PAHs	Pesticides	PCB Congeners	PCDD/PCDF	SVOCs	TPH-ext	Metals	Mercury	TOC
13B-0567	13B-0567-G2AS	G2AS	10/4/2013	grab	X	X	X	X	X	X	X	X	X
13B-0556	13B-0556-C1AS	C1AS	10/7/2013	0 - 0.5						X		X	
13B-0556	13B-0556-C2AS	C2AS	10/7/2013	0 - 0.5	X	X	X	X					
13B-0556	13B-0556-C3AS	C3AS	10/7/2013	0 - 0.5					X		X		X
13B-0511	13B-0511-C1BS	C1BS	10/8/2013	0.5 - 1.5					X	X	X		X
13B-0511	13B-0511-C3BS	C3BS	10/8/2013	0.5 - 1.5	X	X	X	X				X	
13B-0527	13B-0527-C2AS	C2AS	10/8/2013	0 - 0.5	X	X	X	X					
13B-0527	13B-0527-C3AS	C3AS	10/8/2013	0 - 0.5						X		X	
13B-0527	13B-0527-C1AS	C1AS	10/8/2013	0 - 0.5					X		X		X
13B-0527	13B-0527-C2CS	C2CS	10/8/2013	1.5 - 2.5	X	X	X	X		X		X	
13B-0527	13B-0527-C3CS	C3CS	10/8/2013	1.5 - 2.5					X		X		X
13B-0521	13B-0521-C2AS	C2AS	10/9/2013	0 - 0.5	X	X	X	X				X	
13B-0521	13B-0521-C3AS	C3AS	10/9/2013	0 - 0.5					X	X	X		X
13B-0521	13B-0521-C2CS	C2CS	10/9/2013	1.5 - 2.5	X	X	X	X		X		X	
13B-0521	13B-0521-C3CS	C3CS	10/9/2013	1.5 - 2.5					X		X		X
13B-0531	13B-0531-C1CS	C1CS	10/14/2013	1.5 - 2.5					X		X		X
13B-0531	13B-0531-C2CS	C2CS	10/14/2013	1.5 - 2.5	X	X	X	X		X		X	

Notes:

PAH - Polynuclear Aromatic Hydrocarbon
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxins
PCDF - Polychlorinated Dibenzofurans
SVOC - Semivolatile Organic Compound
TOC - Total Organic Carbon
TPH-ext - Total Petroleum Hydrocarbons Extractable
The information on this table was confirmed by CDM Smith.

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2005 Environmental Dredging Pilot Study Area

Tierra Removal Area

Harrison

Kearny

Newark

Jersey City

Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)
ft NGVD29
-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure 2-1 Sediment Sample Locations

RM 0 to 3.5

November, 2015

AECOM

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Basemap: ESRI, World Imagery.

N

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)

ft NGVD29

-0.0075
-10.4
-20.8
-31.2
-41.5451

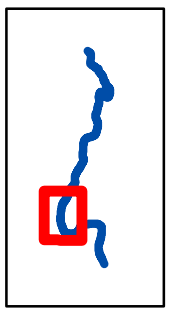

Figure 2-1 Sediment Sample Locations

RM 3.5 to 7.3

November, 2015

AECOM

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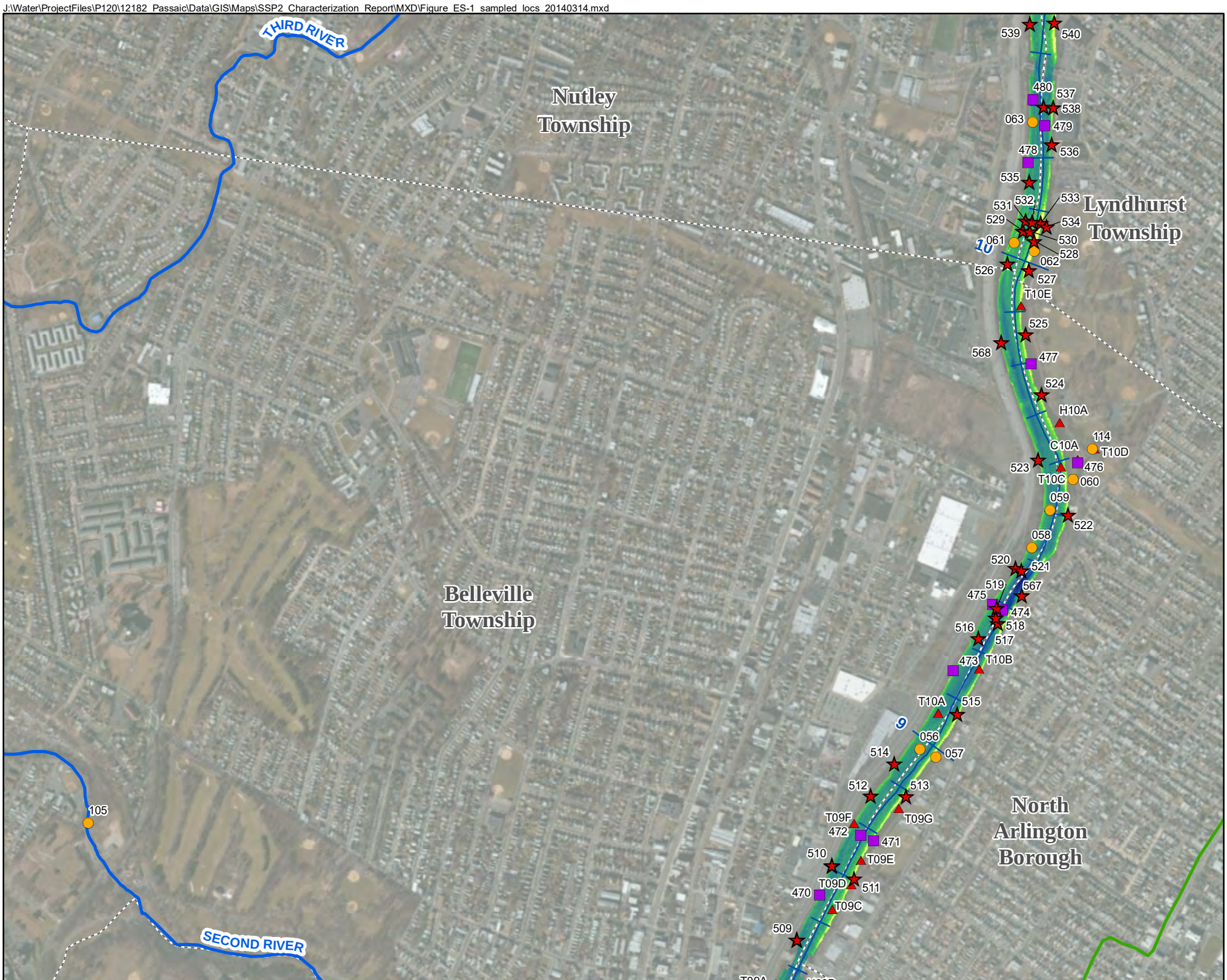

Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)
ft NGVD29
-0.0075
-10.4
-20.8
-31.2
-41.5451

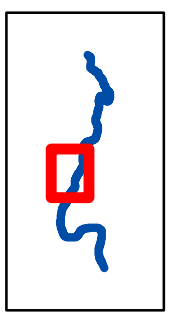

Figure 2-1 Sediment Sample Locations
RM 7.2 to 10.5

November, 2015

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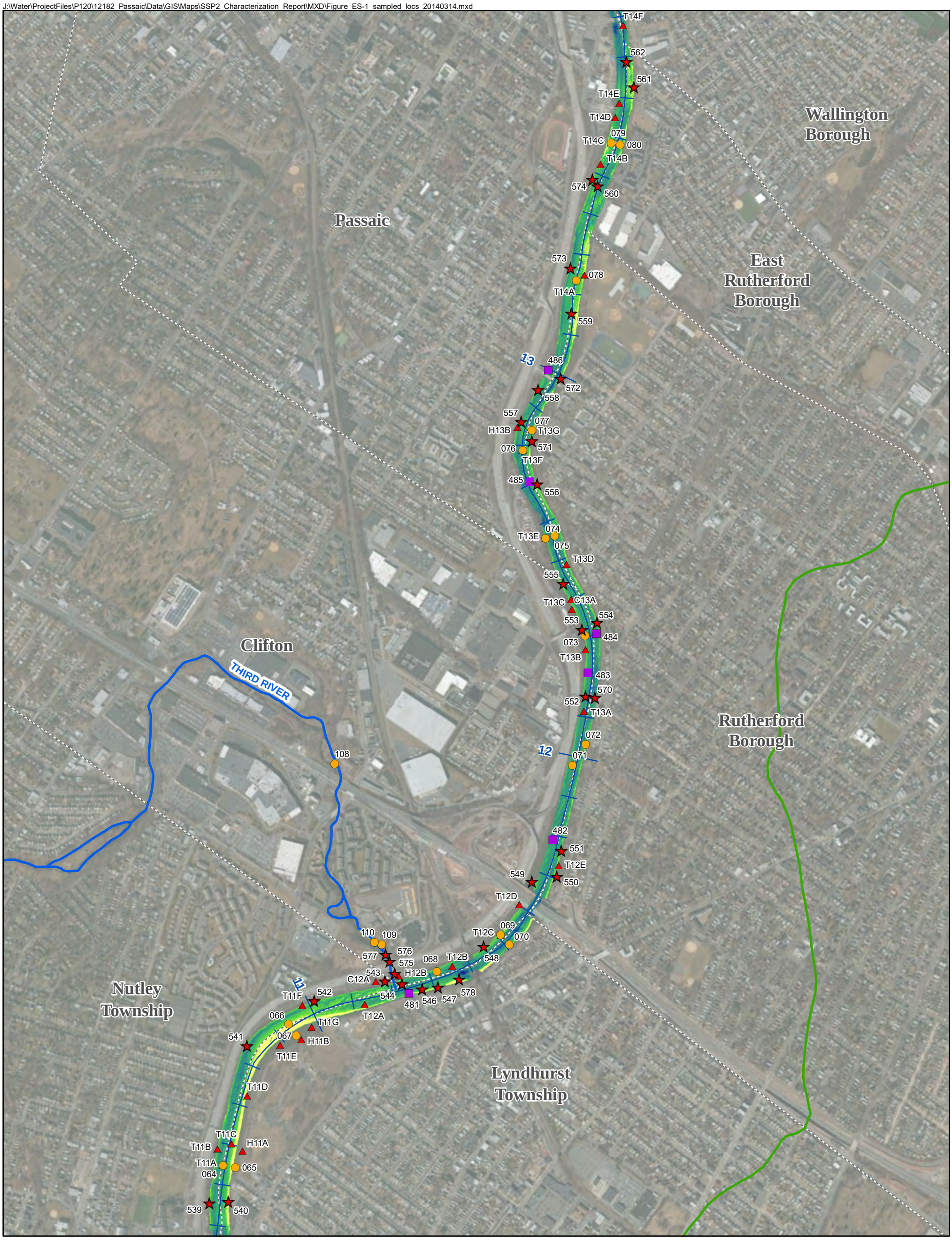


Basemap: ESRI, World Imagery.

N

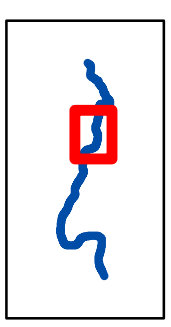
0 500 1,000 2,000 3,000 Feet

- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)
ft NGVD29
-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure 2-1 Sediment Sample Locations

RM 10.5 to 13.9



November, 2015

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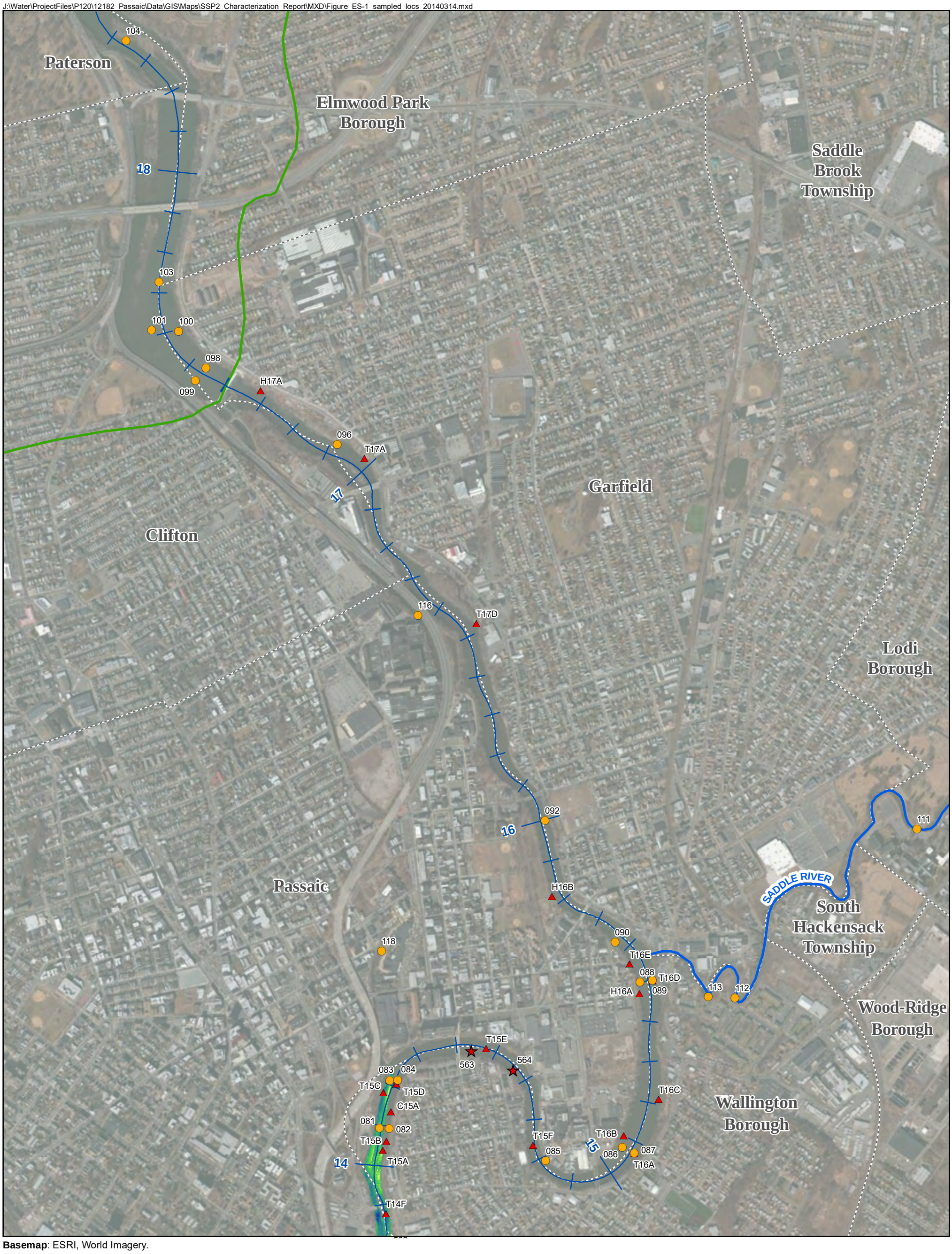


Basemap: ESRI, World Imagery.

0 500 1,000 2,000 3,000 Feet

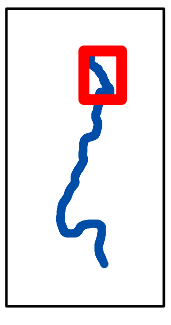
- LRC SSP2 Sampled Locations (2013)
- LRC SSP Sampled Locations (2012)
- LRC Sampled Locations (2008)
- Benthic Sampled Locations (2009/10)
- LPRSA

Elevation (2011 Multibeam Bathymetry Survey)

ft NGVD29

-0.0075
-10.4
-20.8
-31.2
-41.5451

Figure 2-1 Sediment Sample Locations
RM 13.9 to 18.4
Page 5 of 5



November, 2015

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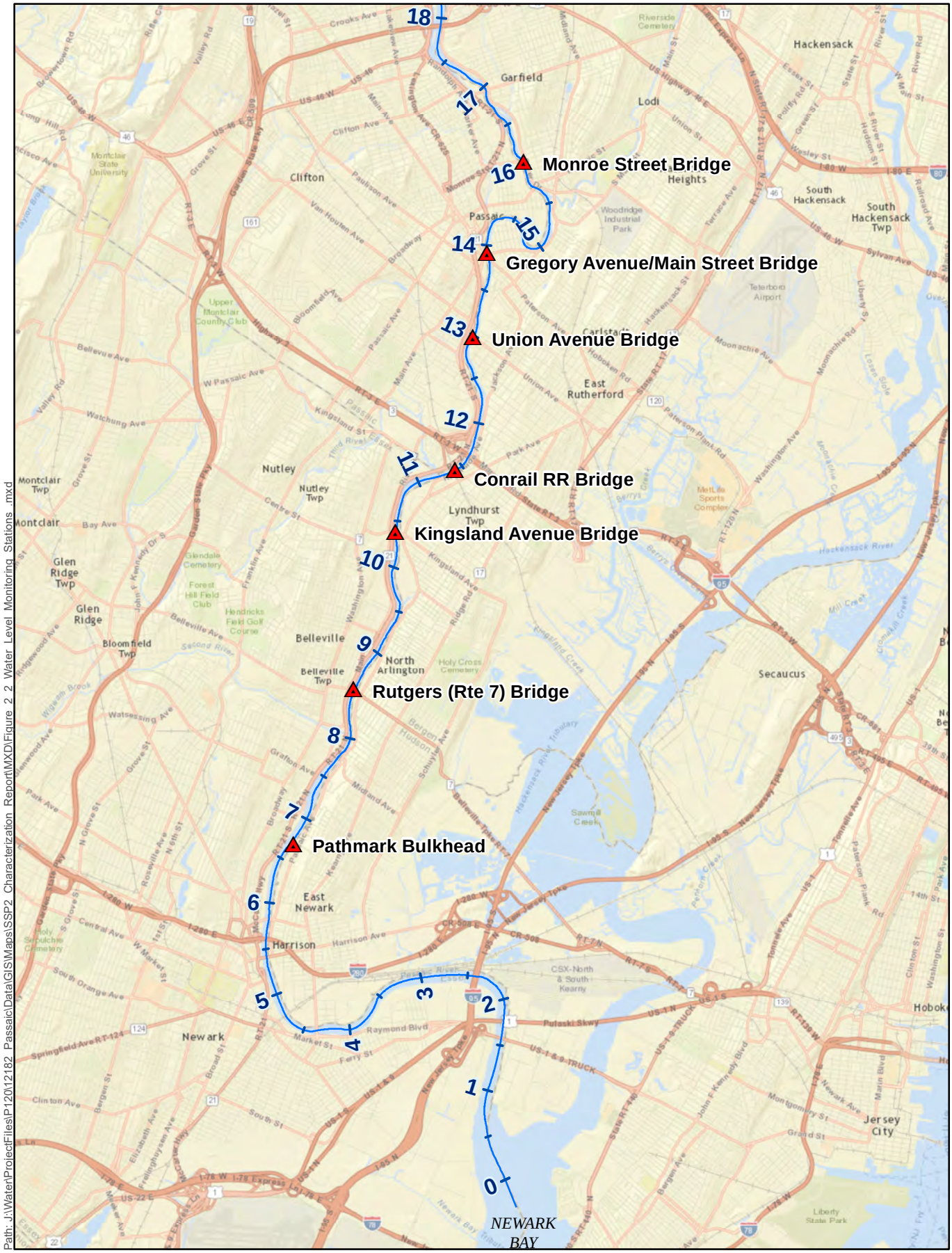


Figure 2-2 Water Level Monitoring Stations in the Lower Passaic River for LRC SSP2

0 0.5 1 2 Miles

▲ Water Level Monitoring Station

— Passaic River measured centerline (miles)

AECOM

November 2015

Basemap: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

3.0 Sediment Sampling Results

This section contains tables and figures of the LRC SSP2 data. These tables and figures are similar to the tables and figures included in the LRC (AECOM, 2012) and SSP (AECOM, 2013) Characterization Summaries. This section also includes a summary of significant observations offered following review of these data. All data presented in this section have been validated using the process described in Section 2.8.2. Data qualifiers are not presented in the tables and figures although they are shown in **Appendix I**, which includes complete tables of analytical data for each analyte group for all samples collected. The analytical results are included in the database and were provided to USEPA electronically.

For the purpose of presentation in this section, a subset of analytes was selected to illustrate physical properties and chemical nature and extent within the LPRSA sediments. The subset of analytes and parameters included in these figures is presented in **Table 3-1**. These analytes were selected to cover a range of analytes and include those that have been the focus of other data reviews and is consistent with previous characterization summary reports. For these data presentations, where an analyte was not detected, the concentration is shown as the detection limit (DL). Samples that had associated field duplicates are represented by an average of the detected results; if one result was not detected, the value of the detected result is used, and if both were not detected, the sample concentration is shown as not detected at the average of the DLs.

To provide a complete summary of the sediment analytical data collected to date the LRC (AECOM 2014), LRC SSP (AECOM 2013b), and benthic (Windward 2011) sediment sampling programs data have been included on select figures with the LRC SSP2 data. Each figure indicates whether it includes LRC SSP2, LRC SSP, LRC, and benthic data or only the LRC SSP2 data. Note that the sediment data collected during the River Mile 10.9 Characterization Program (CH2M Hill and AECOM 2012) are not included in the figures in this report because this design-level data is of too high a density for the purposes of this report; only sediment data collected from the removal area during the LRC SSP, LRC and benthic sampling events are included. To maintain a consistent set of comparable data, the data from the following samples were not included: 1) grab samples for the LRC, LRC SSP, and LRC SSP2 (except data for grab samples are included for the LRC SSP2 sampling program for stations where only grab samples were collected), 2) the eight finer segmentation cores for the LRC sampling program [sample intervals of 0 to 2 cm, 2 to 5 cm, 5 to 10 cm, 10 to 30 cm, and 30 to 61 cm collected in the top 2 ft of the core] and 3) HRCs collected for the LRC SSP and LRC SSP2. Data for grab samples are included for the benthic sediment sampling program because these are the only samples collected during the benthic sediment sampling.

In the following sections and associated tables and figures, surface data sets include the 0- to 0.5-foot depth below sediment surface, subsurface data sets include sediment depths greater than 0.5 ft and all depths data sets include all of the available data. The surface data sets include the following data that does not meet the surface sediment data depth interval presented above (0.0 to 0.5 ft): benthic sample LPRH05A (0.0 to 0.2 ft), benthic sample LPRH07B (0.0 to 0.4 ft), LRC SSP sample 12A-0467 (0.0 to 0.45 ft), and LRC sample CLRC-092 (0.0 to 0.7 ft).

3.1 Concentration Box and Whisker Plots

Figures 3-1.a through **3-1.n** present box and whisker plots of analyte concentrations and physical parameters for the sediment sampling stations in the Passaic River (excluding tributary locations) grouped into two mile segments. These plots include the LRC SSP2, LRC SSP, LRC, and benthic data. Box and whisker plots are provided for surface data (Surface Sediments), subsurface data (Subsurface Sediments), and all depths data (All Sediments). The chemical concentrations are presented on a dry weight basis.

3.2 Surficial Sediment Concentrations by River Mile

Figures 3-2.a through **3-2.z** present analyte concentrations and physical parameters in the surficial sediments versus RM of the sampling station. These figures include the LRC SSP2, LRC SSP, LRC, and benthic data. RMs are based on the centerline developed by MPI and were extended above the Dundee Dam for the LRC and benthic locations in Dundee Lake. Core stations in the tributaries are plotted at the RM location at the confluence of the tributary with the LPR. Surficial sediment data from the 0- to 0.5-foot interval (with the exceptions noted above) of the sediment cores are used for these figures. Because chemical concentrations in sediments frequently vary with TOC concentrations (particularly hydrophobic organic carbons such as PCBs and TCDD), chemical concentrations are presented both on a dry weight basis and on a TOC-normalized basis. The plots are presented with both linear and log concentration scales to better depict the variation in the surficial sediment concentrations.

3.3 Surficial Sediment Concentrations Maps

Figures 3-3.a through **3-3.n** present maps of analyte concentrations and physical parameters in surficial sediments. These maps include the LRC SSP2, LRC SSP, LRC, and benthic data. Data included in these figures are limited to sediment results from the 0- to 0.5-foot interval (with the exceptions noted above). On these figures, locations are identified by the program using a geometric shape (i.e., circle for LRC, triangle for benthic, square for LRC SSP, and star for LRC SSP2) and using the three-digit location code (xxx) only. Data are presented in units per kilogram (kg) of dry weight sediment, with no carbon normalization. Color symbology was developed by dividing the concentration range by percentile values (25%, 50%, 75%, and 90%). The concentrations at each station are presented below the station location code. At stations where the analyte was not detected, the concentration is shown as the DL. Included on these maps are the RM markers as provided by MPI in previous studies and extended above Dundee Dam for the LRC and benthic programs.

3.4 Analyte Concentrations by Depth

Figures 3-4.a through **3-4.n** present plots of analyte concentrations and physical parameters by depth. These plots are included for the LRC SSP2 data only. For these figures, the locations are identified using the three-digit location code (xxx) only. The RM is included for each core. Data are presented in units per kg of dry weight sediment, with no carbon normalization. Color symbology was developed by dividing the concentration range by percentile values (25%, 50%, 75%, and 90%). At locations where the analyte was not detected, the concentration is shown as the DL. **Figure 3-4.n** presents the grain size profile, where grain size is represented as percent passing the #230 sieve; higher percentage values indicate finer sediments. Refer to **Table 2-4** for a summary of analyses that were not completed during the LRC SSP2 due to volumetric or recovery issues.

3.5 Vertical Downcore Profiles

Figures 3-5.a through **3-5.m** show vertical analyte profiles at all LRC SSP2 locations. These profiles are included for the LRC SSP2 data only. For these figures, the stations are identified using the three-digit location code (xxx) only. The RM is included for each core. Each plot presents the analyte concentration depth profile for each segment analyzed in the core, plotted at the mid-depth (based on recovered depth) of the core segment. Each plot also presents the grain size profile, where grain size is represented as percent passing the #230 sieve; higher percentage values indicate finer sediments. At some of the locations, only one segment was collected and analyzed for several of the analytes, and only a single point appears in the plots. Refer to **Table 2-4** for a summary of analyses that were not completed due to volumetric or recovery issues during the LRC SSP2. Not all sample intervals from each core were submitted for analysis; some samples were archived. Where samples were archived there are gaps in the vertical downcore profiles.

3.6 Analytical Summary Tables

A set of summary tables including the LRC SSP2, LRC SSP, LRC, and benthic data for the selected subset of chemical analytes are presented in **Tables 3-2** to **3-3**. These tables summarize the highest concentrations and their locations for a subset of the chemical analytes identified in **Table 3-1**. All sampling intervals are represented by their mid-depth value. **Table 3-2** presents the single highest concentration for each analyte from the 0- to 0.5-foot surficial interval for LRC, LRC SSP, LRC SSP2, and benthic data. **Table 3-3** presents the ten highest surficial concentrations for the LRC, LRC SSP, LRC SSP2, and benthic data.

The full suite of LRC SSP2 chemical results for each sample is provided in **Appendix I**.

3.7 Radiochemistry Analysis

LRC SSP2 sediment samples were analyzed for Ra-226, Pb-210 (measured as Po-210), and Cs-137. Radionuclide data were obtained from each sediment segment at the two stations where an HRC was collected. The radiochemistry results for each sample are provided in **Appendix I**.

3.8 AVS/SEM

AVS/SEM data were collected to assess the bioavailability of selected divalent metals in sediment as shown on **Table 3-4** and in **Appendix I**. Surficial (0- to 0.5-foot) samples were collected for the AVS/SEM analyses to minimize the potential influence of deeper anoxic sediments on this measure of bioavailability.

The following approach was used to present the AVS/SEM data show in **Table 3-4**. The SEM concentration represents the metals extracted in the AVS analytical procedure recommended by USEPA. USEPA guidance (USEPA 2005) suggests using the difference (SEM minus AVS) for evaluation of metals bioavailability in sediments, where differences greater than zero suggest excess metals that may be bioavailable. Organic carbon can impact bioavailability, and normalization of the differences provides another evaluation of potential bioavailability, and reduces the uncertainty associated with the prediction. When normalized to the fraction of organic carbon (foc) in the sample, (SEM-AVS)/foc less than 130 micromoles/per gram - organic carbon (umol/g-oc) is unlikely to pose toxicity, and values greater than 3,000 umol/g-oc is likely to pose toxicity (USEPA 2005).

3.9 Significant Observations

The following observations are offered regarding the LRC SSP2 program:

- One objective of the LRC SSP2 program was to provide additional characterization of the nature and extent of sediment chemistry and fill data needs above RM 8, as identified by USEPA. The following summarize the nature and extent sampling:
  - RM 8.5 to RM 10 – LRC SSP2 data filled in spatial gaps along the shorelines, and generally bounded areas of previously observed elevated surficial concentrations, although some variability in contaminant distribution was observed. For example:
    - Elevated surficial concentrations were observed at LRC SSP 0475; LRC SSP2 results showed lower surficial sediment concentrations adjacent to this location.
    - Elevated surficial concentrations were observed in the area of EMBM 159; LRC SSP2 results showed similar concentrations in this area.
    - Elevated surficial concentrations were observed; LRC SSP2 results showed lower surficial sediment concentrations adjacent to these locations, but similar concentrations further downriver.
  - Additional samples were collected at the mouth of the unnamed creek at RM 9.5 (to the north, to the south, and across the channel). The results were similar to those from previous programs, which indicated that there is a small area of sediments with elevated surficial sediment concentrations in the creek, but that concentrations were lower across the mudflat at the mouth of the creek, and extending away from the confluence of the creek with LPR in all directions.
  - Samples were collected along the western shoreline of the river between RM 10.4 and RM 11 at locations where probing indicted the presence of silty materials (much of this shoreline was characterized as coarse grained and rocky, based on the side-scan sonar survey (ASI 2006) and the probing surveys performed by MPI (2007) and AECOM (2008 and 2013). Surficial concentrations in the silty shoreline areas were elevated relative to channel concentrations.
  - Samples were collected above RM 11, where data density was relatively sparse. Surficial sediments in this reach are predominantly coarse and rocky, and sample locations were selected based on the probing surveys and the side scan-sonar data to identify silt deposits.
    - Between RM 11 and RM 13.5, a silt deposit was delineated from the side scan sonar data, along the west shoreline between RM 12.2 and 12.5. Sediments collected within this deposit during the LRC SSP2 program had elevated surficial sediment concentrations relative to coarser sediments adjacent to the silt deposit within this reach.
    - At RM 14.5 (where elevated 2,3,7,8-TCDD concentrations were observed at depth in EMBM 172) elevated 2,3,7,8-TCDD and total PCB concentrations were observed in the bottom (1.1 to 2.5 ft) core interval.
- A second objective of the LRC SSP2 program was to provide data to support system understanding, sediment surface concentration mapping, and sediment transport and CFT model parameterization. The following observations support this objective.
  - At RM 10.9, surficial sediment concentration declined with lateral distance into the river, with the highest concentrations generally observed on the mudflat, and lower concentrations in the river channel. Transects were sampled at RM 7.3 and RM 10, and a similar pattern was observed. At both the RM 7.3 and RM 10 transect locations, the highest concentrations along the transect were on the mudflats on the east side of the

river and lower concentrations were in the channel. At RM 7.3, one transect extended to the mudflats on the west side of the river, and concentrations at this location were higher than those in the channel, and generally consistent with SSP sample station 461, also high on this bank.

– At RM 10, several cores were collected in a cluster with spacing less than 100 ft apart. Sediment concentrations indicated spatial correlation in both the longitudinal direction within the shoal deposit, and laterally across the shoal and into the channel.

Table 3-1
Selected Analytes and Physical Parameters for Presentation of Results for LRC SSP2, LRC SSP, LRC, and Benthic Data
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analyte	Units	Notes
2,3,7,8 – TCDD	ng/kg	If ND, the numerical value associated with the DL was reported. For the LRC, as directed by USEPA, the PCDD/PCDF data were adjusted per the recommendations in the CSC Report (CSC 2011): • If a sample had a split sample, the split sample result is reported, • For other samples, results below the QL are reported as-is, and • Results above the QL were multiplied by the correction factor. LRC SSP, LRC SSP2, and benthic data were not adjusted.
Total TEQ (PCDD TEQ, PCDF TEQ, and PCB TEQ)	ng/kg	The sum of the TEFs from the latest USEPA report (USEPA 2010) multiplied by detects for the individual group analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF.
Total PCBs Congeners	mg/kg	The sum of all PCB congener (Method 1668A) detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.
Total HMW PAH by HRGC/LRMS-SIM	mg/kg	The sum of 10 PAH compounds (by HRGC/LRMS-SIM method) with molecular weights greater than 200 grams/mole: Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL. The convention used to summarize HMW PAHs for LRC does not include the isomer benzo(j)fluoranthene. Benthic data on HMW PAHs includes reporting of a single value for the combination of benzo(b)fluoranthene and benzo(j)fluoranthene.
Total LMW PAH by HRGC/LRMS-SIM	mg/kg	The sum of six PAH compounds (by HRGC/LRMS-SIM method): Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.
Total DDx (the sum of the DDD, DDE, DDT isomers)	mg/kg	The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT (by HRGC/HRMS method) detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.
Dieldrin	mg/kg	If ND, the numerical value associated with the DL was reported.
Total Chlordane	mg/kg	The sum of cis−Chlordane, oxy−Chlordane, trans−Chlordane, cis−Nonachlor, and trans−Nonachlor detects. If all ND, reported as the highest individual analyte DL.
Mercury	mg/kg	If ND, the numerical value associated with the DL was reported.
Cadmium	mg/kg	If ND, the numerical value associated with the DL was reported.
Copper	mg/kg	If ND, the numerical value associated with the DL was reported.
Lead	mg/kg	If ND, the numerical value associated with the DL was reported.

Analyte	Units	Notes
TOC	%	
Percent fines	%	Percent passing Sieve #230 for LRC, LRC SSP (where data available), and LRC SSP2; percent passing Sieve #200 for benthic and one location for LRC SSP (12A-0424, where Sieve #230 data not available); implied sum of silt and clay grain size fractions.

Notes:
CSC - Computer Sciences Corp (CSC Environmental Solutions)
DDD - Dichlorodiphenyldichloroethane
DDE - Dichlorodiphenyldichloroethylene
DDT - Dichlorodiphenyltrichloroethane
DDx - Sum of DDD, DDE, and DDT isomers
DL - Detection Limit
HMW - High Molecular Weight
HRGC - High Resolution Gas Chromatography
HRMS - High Resolution Mass Spectrometry
LMW - Low Molecular Weight
LRC - Low Resolution Coring
LRMS - Low Resolution Mass Spectrometry
mg/kg - Milligram Per Kilogram
ND - Non-detect
ng/kg - Nanogram Per Kilogram
PAH - Polycyclic Aromatic Hydrocarbons
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxins
PCDF - Polychlorinated Dibenzofurans
QL - Quantitation Limit
SIM - Selective Ion Monitoring
SSP - Supplemental Sampling Program
SSP2 - Second Supplemental Sampling Program
TCDD - Tetrachlorodibenzodioxin
TEF - Toxicity Equivalence Factors
TEQ - Toxicity Equivalency Quotient
TOC - Total Organic Carbon
USEPA - United States Environmental Protection Agency

Table 3-2
Highest Surficial (0-0.5 ft) Sediment Concentrations for Selected Chemical Analytes[1] for LRC SSP2, LRC SSP, LRC, and Benthic Data
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analyte	Location	River Mile	Mid-depth (ft)[8]	Result[9]	Units
2,3,7,8-TCDD	13B-0547	11.31	0.25	51100	ng/kg
Total TEQ[2]	13B-0547	7.32	0.25	51500	ng/kg
Total PCBs[3]	12A-0449	6.33	0.25	28.6	mg/kg
Total HMW PAHs[4]	2008 CLRC-103	17.73	0.25	542	mg/kg
Total LMW PAHs[5]	12A-0440	4.54	0.25	749	mg/kg
Total DDx[6]	LPRT03G	3.13	0.25	2.96	mg/kg
Dieldrin	2008 CLRC-047	7.5	0.25	0.152	mg/kg
Total Chlordane[7]	2008 CLRC-076	13.47	0.25	0.435	mg/kg
Lead	12A-0473	9.14	0.25	1030	mg/kg
Mercury	13B-0504	7.31	0.25	24.3	mg/kg
Cadmium	13B-0504	7.31	0.25	46.6	mg/kg
Copper	12A-0421	3.14	0.25	930	mg/kg

Notes:

[1] Considers grab analytical data only for benthic locations and core analytical data only for LRC, LRC SSP, and LRC SSP2 locations.

[2] The total TEQ (PCDD TEQ, PCDF TEQ, and PCB TEQ) is sum of the TEFs from the latest USEPA report (USEPA 2010) multiplied by detects for the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL.

[3] The sum of all PCB congener (Method 1668A) detects; if all ND, reported as the numerical value associated with the highest individual congener DL.

[4] The sum of 10 PAH compounds (by HRGC/LRMS-SIM method) with molecular weights greater than 200 grams/mole: Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

[5] The sum of six PAH compounds (by HRGC/LRMS-SIM method): Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

[6] The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT (by HRGC/HRMS method) detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

[7] The sum of cis−Chlordane, oxy−Chlordane, trans−Chlordane, cis−Nonachlor, and trans−Nonachlor detects. If all ND, reported as the highest individual analyte DL.

[8] Mid-depth is the mid point between the top and bottom of the sample (i.e., between 0 and 0.05 ft).

[9] All data presented have been validated. Validated data for the LRC SSP2 program are presented in Appendix I for LRC SSP2. Validated data for the other programs (LRC, LRC SSP, and benthic) are provided in their respective reports.

DDD - Dichlorodiphenyldichloroethane
DDE - Dichlorodiphenyldichloroethylene
DDT - Dichlorodiphenyltrichloroethane
DDx - Sum of DDD, DDE, and DDT Isomers
DL - Detection Limit
ft - Feet
HMW - High Molecular Weight
HRGC - High Resolution Gas Chromatography
HRMS - High Resolution Mass Spectrometry
LMW - Low Molecular Weight
LRC - Low Resolution Coring
LRMS - Low Resolution Mass Spectrometry
mg/kg - Milligram per Kilogram
ND - Non-detect
ng/kg - Nanogram per Kilogram
PAH - Polycyclic Aromatic Hydrocarbon
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxin
PCDF - Polychlorinated Dibenzofuran
SIM - Selective Ion Monitoring
SSP - Supplemental Sampling Program
SSP2 - Second Supplemental Sampling Program
TCDD - Tetrachlorodibenzo-p-dioxin
TEF - Toxicity Equivalence Factor
TEQ - Toxicity Equivalency Quotient
USEPA - United States Environmental Protection Agency

Table 3-3
Ten Highest Surficial (0-0.5 ft) Concentrations for Selected Analytes[1] for LRC SSP2, LRC SSP, LRC, and Benthic Data
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Analyte	2,3,7,8-TCDD			Total TEQ[2]			Total PCBs[3]			Total HMW PAHs[4]			Total LMW PAHs[5]			Total DDx[6]		
Unit	ng/kg			ng/kg			mg/kg			mg/kg			mg/kg			mg/kg		
Rank	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]
1	13B-0547	11.31	51100	13B-0547	11.31	51500	12A-0449	6.33	28.6	2008 CLRC-103	17.73	542	12A-0440	4.54	749	LPRT03G	3.13	2.96
2	12A-0460	7.32	34100	12A-0460	7.32	34700	LPRT09B	8.08	24.8	2008 CLRC-104	18.37	522	2008 CLRC-104	18.37	545	13B-0504	7.31	2.0
3	13B-0504	12.45	28200	13B-0504	7.31	28700	13B-0538	10.3	23.8	12A-0408	1.97	359	2008 CLRC-103	17.73	453	12A-0460	7.32	1.29
4	12A-0481	11.24	23200	12A-0481	11.24	23800	13B-0555	12.45	23.0	12A-0440	4.54	342	2008 CLRC-115	4.21	215	LPRT07E	6.94	1.22
5	12A-0459	7.21	22400	12A-0459	7.21	22700	12A-0427	3.64	21.3	2008 CLRC-098	17.46	315	12A-0408	1.97	102	12A-0413	2.53	1.06
6	12A-0440	4.54	21900	12A-0440	4.54	22500	12A-0444	4.64	20.4	2008 CLRC-115	4.21	266	2008 CLRC-098	17.46	86.6	13B-0526	9.98	1.0
7	13B-0555	12.45	17600	13B-0555	12.45	18300	2008 CLRC-045	7	18.9	12A-0427	3.64	231	2008 CLRC-031	4.25	82.5	12A-0411	2.02	0.932
8	13B-0534	10.07	17300	13B-0534	10.07	17600	12A-0440	4.54	18.6	12A-0455	6.86	210	2008 CLRC-079	13.58	63.1	2008 CLRC-062	10.02	0.93
9	13B-0509	8.55	16200	12A-0449	6.33	16500	12A-0464	7.62	16.9	2008 CLRC-076	13.47	209	12A-0427	3.64	60.2	2008 CLRC-045	7	0.817
10	LPRT09F	8.81	16000	13B-0509	8.55	16400	12A-0481	11.24	16.4	2008 CLRC-079	13.58	156	2008 CLRC-086	15.07	59.7	12A-0459	7.21	0.723
Analyte	Dieldrin			Total Chlordane[7]			Lead			Mercury			Cadmium			Copper		
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
Rank	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]	Location	River Mile	Result[8]
1	2008 CLRC-047	7.45	0.152	13B-0526	9.98	0.76	12A-0473	9.14	1030	13B-0504	7.31	24.3	13B-0504	7.31	46.6	12A-0421	3.14	930
2	2008 CLRC-045	7	0.13	2008 CLRC-076	13.47	0.435	12A-0460	7.32	906	13B-0538	10.3	22.2	13B-0555	12.45	35.4	13B-0504	7.31	787
3	13B-0555	7	0.088	2008 CLRC-047	7.45	0.354	13B-0504	7.31	888	12A-0427	3.64	16.2	12A-0460	7.32	34.7	12A-0481	11.24	778
4	2008 CLRC-101	17.61	0.061	2008 CLRC-019	1.47	0.322	13B-0555	12.45	823	12A-0444	4.64	15.4	12A-0481	11.24	32.8	13B-0538	10.3	737
5	2008 CLRC-076 13B-0547	13.47 11.31	0.043	2008 CLRC-042	6.5	0.244	12A-0481	11.24	818	13B-0555	12.45	14.3	2008 CLRC-045	7	29.9	13B-0555	12.45	730
6	12A-0444	4.64	0.0315	2008 CLRC-060	9.57	0.210	12A-0444	4.64	798	12A-0449	6.33	14.2	12A-0408	1.97	29.4	12A-0460	7.32	706
7	2008 CLRC-114	9.6	0.0310	2008 CLRC-058 12A-0474	9.42 9.29	0.189	12A-0475	9.29	795	12A-0421	3.14	14	13B-0538	10.3	27.8	13B-0547	11.31	609
8	12A-0427	3.64	0.0286	2008 CLRC-021	1.94	0.186	12A-0449	6.33	781	2008 CLRC-045	7	13.4	13B-0547	11.31	26.4	2008 CLRC-045	7	577
9	12A-0475	9.29	0.0276	2008 CLRC-064	10.55	0.178	2008 CLRC-045	7	763	13B-0547	11.31	12.4	12A-0475	9.29	24.4	12A-0444	4.64	562
10	2008 CLRC-064	10.55	0.0250	2008 CLRC-067	10.93	0.177	12A-0421	3.14	703	12A-0464	7.62	12.2	13B-0515	9.07	22.7	12A-0449	6.33	546

Notes:

1 Considers grab analytical data only for benthic locations and core analytical data only for LRC, LRC SSP, and LRC SSP2 locations.

2 The total TEQ (PCDD TEQ, PCDF TEQ, and PCB TEQ) is sum of the TEFs from the latest USEPA report (USEPA 2010) multiplied by detects for the individual group analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL.

3 The sum of all PCB congener (Method 1668A) detects; if all ND, reported as the numerical value associated with the highest individual congener DL.

4 The sum of 10 PAH compounds (by HRGC/LRMS-SIM method) with molecular weights greater than 200 grams/mole: Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

5 The sum of six PAH compounds (by HRGC/LRMS-SIM method): Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

6 The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT (by HRGC/HRMS method) detects; if all ND, reported as the numerical value associated with the highest individual analyte DL.

7 The sum of cis−Chlordane, oxy−Chlordane, trans−Chlordane, cis−Nonachlor, trans−Nonachlor detects. If all ND, reported as the highest individual analyte DL.

8 All data presented have been validated. Validated data for the LRC SSP2 program are presented in Appendix I for LRC SSP2. Validated data for the other programs (LRC, LRC SSP, and benthic) are provided in their respective reports.

DDD - Dichlorodiphenyldichloroethane
DDE - Dichlorodiphenyldichloroethylene
DDT - Dichlorodiphenyltrichloroethane
DDx - Sum of DDD, DDE, and DDT Isomers
DL - Detection Limit
ft - Feet
HMW - High Molecular Weight
HRGC - High Resolution Gas Chromatography
HRMS - High Resolution Mass Spectrometry
LMW - Low Molecular Weight
LRC - Low Resolution Coring
LRMS - Low Resolution Mass Spectrometry
mg/kg - Milligram per Kilogram
ND - Non-detect
ng/kg - Nanogram per Kilogram
PAH - Polycyclic Aromatic Hydrocarbon
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxin
PCDF - Polychlorinated Dibenzofuran
SIM - Selective Ion Monitoring
SSP - Supplemental Sampling Program
SSP2 - Second Supplemental Sampling Program
TCDD - Tetrachlorodibenzo-p-dioxin
TEF - Toxicity Equivalence Factor
TEQ - Toxicity Equivalency Quotient
USEPA - United States Environmental Protection Agency

Table 3-4
Sediment Grab Sample SEM and AVS Analytical Results for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

	Grab Sample Data 0 - 0.5 ft								Core Data 0 - 0.5 ft		Calculated Data			
Location	Sample ID	AVS (umol/g)	SEM Cadmium (umol/g)	SEM Copper (umol/g)	SEM Lead (umol/g)	SEM Mercury (umol/g)	SEM Nickel (umol/g)	SEM Zinc (umol/g)	Sample ID	TOC (%)	sum SEM (umol/g)	sum SEM - AVS (umol/g)	foc	(sum SEM - AVS) / foc (umol/g-oc)
13B-0501	13B-0501-G2AS	1.15	0.00284	0.156	0.119	0.000016	0.0274	0.744	13B-0501-C1AS	5.44	0.893256	-0.256744	0.0544	-4.719558824
13B-0502	13B-0502-G1AS	0.23	0.00236	0.155	0.0983	0.000078	0.0161	0.578	13B-0502-C2AS	1.66	0.849838	0.619838	0.0166	37.33963855
13B-0503	13B-0503-G1AS	0.081	0.00148	0.0976	0.067	0.000063	0.0133	0.399	13B-0503-C2AS	0.328	0.578443	0.497443	0.00328	151.6594512
13B-0504	13B-0504-G1AS	1.76	0.00557	0.191	0.167	0.000182	0.0457	1.41	13B-0504-C4AS	8	1.819452	0.059452	0.08	0.74315
13B-0505	13B-0505-G2AS	0.38	0.00867	0.612	0.337	0.000211	0.0587	2.14	13B-0505-C2AS	10.8	3.156581	2.776581	0.108	25.70908333
13B-0506	13B-0506-G1AS	1.28	0.00284	0.111	0.106	0.000116	0.0241	0.833	13B-0506-C3AS	6.97	1.077056	-0.202944	0.0697	-2.911678623
13B-0507	13B-0507-G1AS	0.49	0.00305	0.173	0.125	0.000022	0.0289	0.793	13B-0507-C2AS	1.78	1.122972	0.632972	0.0178	35.56022472
13B-0508	13B-0508-G3AS	0.025	0.00092	0.0929	0.068	0.000098	0.0115	0.368	(1)	0.653	0.541418	0.516418	0.00653	79.08392037
13B-0511	13B-0511-G1AS	1.68	0.01293	0.8407	0.4661	0.00025	0.08408	2.99008	13B-0511-C3AS	5.81	4.39414	2.71414	0.0581	46.71497418
13B-0512	13B-0512-G1AS	0.87	0.0096	0.628	0.336	0.000182	0.0546	2.19	(1)	4.8	3.218382	2.348382	0.048	48.924625
13B-0513	13B-0513-G1AS	2.67	0.01958	1.22	0.628	0.000198	0.122	4.14	(1)	7.22	6.129778	3.459778	0.0722	47.91936288
13B-0514	13B-0514-G1AS	2.23	0.01037	0.532	0.367	0.000171	0.0576	2.54	(1)	5.63	3.507141	1.277141	0.0563	22.68456483
13B-0515	13B-0515-G1AS	1.78	0.0077	0.4092	0.2723	0.000183	0.05373	1.88769	13B-0515-C2AS	4.99	2.630803	0.850803	0.0499	17.05016032
13B-0516	13B-0516-G2AS	0.026	0.00397	0.2186	0.1598	0.000168	0.02519	1.09858	13B-0516-C2AS	5.01	1.506308	1.480308	0.0501	29.54706587
13B-0517	13B-0517-G2AS	0.025	0.00063	0.114	0.0641	0.000026	0.009	0.233	(1)	0.681	0.420756	0.395756	0.00681	58.11395007
13B-0518	13B-0518-G1AS	0.21	0.00284	0.1701	0.1353	0.000074	0.01922	0.8077	(1)	2.15	1.135234	0.925234	0.0215	43.03413953
13B-0519	13B-0519-G1AS	0.161	0.00296	0.195	0.13	0.000105	0.0199	0.819	13B-0519-C2AS	4.59	1.166965	1.005965	0.0459	21.9164488
13B-0520	13B-0520-G1AS	0.05	0.00459	0.295	0.169	0.00008	0.0274	1.14	(1)	5.19	1.63607	1.58607	0.0519	30.56011561
13B-0521	13B-0521-G1AS	0.27	0.00335	0.1843	0.1369	0.000084	0.02389	0.9164	13B-0521-C3AS	1.39	1.264924	0.994924	0.0139	71.57726619
13B-0522	13B-0522-G1AS	0.239	0.00698	0.39	0.259	0.000142	0.0442	1.83	(1)	6.43	2.530322	2.291322	0.0643	35.63486781
13B-0523	13B-0523-G2AS	0.115	0.00643	0.605	0.264	0.008273	0.0451	1.59	(1)	6.26	2.518803	2.403803	0.0626	38.39940895
13B-0524	13B-0524-G1AS	1.45	0.01051	0.5676	0.3539	0.000165	0.06429	2.74459	(1)	4.97	3.741055	2.291055	0.0497	46.09768612
13B-0525	13B-0525-G1AS	1.82	0.0089	0.3373	0.2915	0.00017	0.05149	162	13B-0525-C1AS	5.65	162.68936	160.86936	0.0565	2847.24531
13B-0526	13B-0526-G1AS	0.54	0.00446	0.2659	0.1704	0.00008	0.03327	1.10933	13B-0526-C1AS	8.98	1.58344	1.04344	0.0898	11.61959911
13B-0527	13B-0527-G1AS	0.4	0.0065	0.395	0.2243	0.000155	0.03987	1.52056	13B-0527-C1AS	0.273	2.186385	1.786385	0.00273	654.3534799
13B-0528	13B-0528-G2AS	0.55	0.01069	0.7052	0.3762	0.000208	0.06184	2.47525	13B-0528-C3AS	6.19	3.629388	3.079388	0.0619	49.74778675
13B-0529	13B-0529-G1AS	0.02	0.00179	0.1054	0.0723	0.000073	0.01354	0.4777	13B-0529-C2AS	4.37	0.670803	0.650803	0.0437	14.89251716
13B-0530	13B-0530-G2AS	1.1	0.01573	1.04	0.546	0.000245	0.09	3.51	13B-0530-C3AS	6.65	5.201975	4.101975	0.0665	61.68383459
13B-0531	13B-0531-G1AS	0.385	0.00353	0.236	0.135	0.000085	0.0284	0.91	13B-0531-C1AS	5.81	1.313015	0.928015	0.0581	15.97271945
13B-0532	13B-0532-G1AS	0.44	0.00823	0.5323	0.2864	0.000135	0.05074	1.91781	13B-0532-C1AS	2.06	2.795615	2.355615	0.0206	114.3502427
13B-0533	13B-0533-G1AS	2.04	0.02493	1.57	0.765	0.000047	0.154	4.97	13B-0533-C1AS	6.52	7.483977	5.443977	0.0652	83.49657975
13B-0534	13B-0534-G1AS	2.39	0.01733	1.07744	0.5656	0.000217	0.10351	3.78368	13B-0534-C3AS	6.4	5.547777	3.157777	0.064	49.34026563
13B-0535	13B-0535-G1AS	0.107	0.00405	0.2361	0.1473	0.000143	0.02564	1.00138	13B-0535-C3AS	5.52	1.414613	1.307613	0.0552	23.6886413
13B-0536	13B-0536-G1AS	0.81	0.00528	0.2513	0.1778	0.000127	0.03206	1.31611	13B-0536-C1AS	4.97	1.782677	0.972677	0.0497	19.57096579
13B-0537	13B-0537-G2AS	0.33	0.00403	0.256	0.148	0.000107	0.0244	0.982	13B-0537-C3AS	2.32	1.414537	1.084537	0.0232	46.74728448
13B-0538	13B-0538-G1AS	1.61	0.01214	0.69	0.424	0.000185	0.0761	2.84	13B-0538-C3AS	8.7	4.042425	2.432425	0.087	27.95890805
13B-0539	13B-0539-G2AS	0.313	0.00677	0.493	0.24	0.000171	0.038	1.51	13B-0539-C2AS	3.21	2.287941	1.974941	0.0321	61.52464174
13B-0540	13B-0540-G2AS	5.09	0.02277	1.07	0.74	0.000243	0.13	5.62	13B-0540-C4AS	7.54	7.583013	2.493013	0.0754	33.06383289
13B-0541	13B-0541-G1AS	0.022	0.0057	0.3383	0.1898	0.000196	0.0384	132	13B-0541-C1AS	3.82	132.5724	132.550396	0.0382	3469.905654
13B-0542	13B-0542-G1AS	1.66	0.00143	0.045	0.2641	0.000095	0.01919	26.4	13B-0542-C2AS	4.93	26.729815	25.069815	0.0493	508.5155172
13B-0543	13B-0543-G1AS	0.97	0.01051	0.5826	0.346	0.000212	0.06766	2.50042	(1)	10.1	3.507402	2.537402	0.101	25.12279208
13B-0544	13B-0544-G1AS	0.123	0.00423	0.289	0.152	0.000118	0.0242	0.967	13B-0544-C1AS	1.98	1.436548	1.313548	0.0198	66.34080808
13B-0546	13B-0546-G2AS	0.313	0.00577	0.342	0.176	0.000079	0.0327	1.16	(1)	6.71	1.716549	1.403549	0.0671	20.91727273
13B-0547	13B-0547-G1AS	0.16	0.00911	0.605	0.302	0.000279	0.0529	1.97	13B-0547-C3AS	8.18	2.939289	2.779289	0.0818	33.97663814
13B-0548	13B-0548-G1AS	0.3	0.00546	0.358	0.191	0.000126	0.0299	1.26	13B-0548-C1AS	5.58	1.844486	1.544486	0.0558	27.67896057
13B-0549	13B-0549-G1AS	1.07	0.01153	0.711	0.427	0.00015	0.0706	2.98	13B-0549-C3AS	3.55	4.20028	3.13028	0.0355	88.17690141
13B-0550	13B-0550-G1AS	3.02	0.0114	0.536	0.509	0.000028	0.0802	3.52	13B-0550-C3AS	5.35	4.656628	1.636628	0.0535	30.59117757
13B-0551	13B-0551-G2AS	1.37	0.00489	0.171	0.19	0.000115	0.036	1.67	(1)	3.65	2.072005	0.702005	0.0365	19.2330137
13B-0552	13B-0552-G2AS	0.93	0.01584	1.02	0.524	0.00027	0.0825	3.49	13B-0552-C1AS	8.72	5.13261	4.20261	0.0872	48.19506881

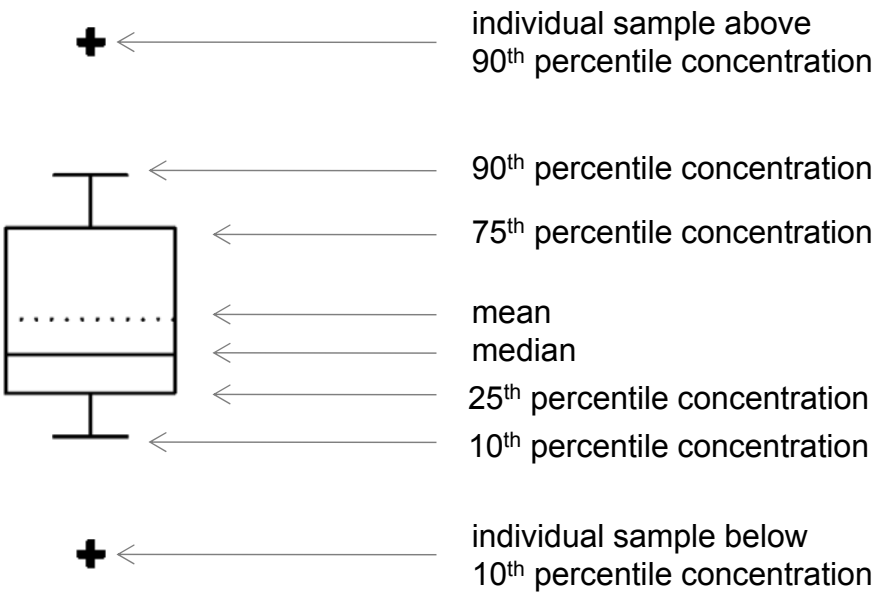
Table 3-4
Sediment Grab Sample SEM and AVS Analytical Results for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

	Grab Sample Data 0 - 0.5 ft								Core Data 0 - 0.5 ft		Calculated Data			
Location	Sample ID	AVS (umol/g)	SEM Cadmium (umol/g)	SEM Copper (umol/g)	SEM Lead (umol/g)	SEM Mercury (umol/g)	SEM Nickel (umol/g)	SEM Zinc (umol/g)	Sample ID	TOC (%)	sum SEM (umol/g)	sum SEM - AVS (umol/g)	foc	(sum SEM - AVS) / foc (umol/g-oc)
13B-0553	13B-0553-G2AS	0.985	0.00828	0.4905	0.2835	0.000139	0.04775	1.96	13B-0553-C2AS	2.53	2.790169	1.805169	0.0253	71.35055336
13B-0554	13B-0554-G2AS	0.028	0.00315	0.203	0.11	0.00011	0.0182	0.736	13B-0554-C4AS	3.51	1.07046	1.04246	0.0351	29.6997151
13B-0555	13B-0555-G1AS	10.2	0.04853	1.56	1.02	0.000166	0.267	8.79	13B-0555-C1AS	7.81	11.685696	1.485696	0.0781	19.02299616
13B-0556	13B-0556-G1AS	0.044	0.00326	0.1861	0.1234	0.000149	0.0199	0.8547	13B-0556-C3AS	5.72	1.187509	1.143509	0.0572	19.99141608
13B-0557	13B-0557-G1AS	0.38	0.00632	0.372	0.251	0.000157	0.043	1.8	13B-0557-C2AS	6.22	2.472477	2.092477	0.0622	33.64110932
13B-0558	13B-0558-G1AS	0.435	0.00308	0.133	0.135	0.000083	0.0314	1.12	13B-0558-C2AS	6.68	1.422563	0.987563	0.0668	14.78387725
13B-0559	13B-0559-G1AS	0.22	0.00304	0.2	0.142	0.000081	0.0284	0.986	13B-0559-C2AS	1.56	1.359521	1.139521	0.0156	73.04621795
13B-0560	13B-0560-G1AS	0.39	0.00354	0.238	0.161	0.0001	0.0313	1.22	13B-0560-C1AS	4.95	1.65394	1.26394	0.0495	25.53414141
13B-0561	13B-0561-G3AS	0.081	0.00163	0.0911	0.0931	0.000087	0.0159	0.68	13B-0561-C1AS	7.36	0.881817	0.800817	0.0736	10.88066576
13B-0562	13B-0562-G2AS	0.119	0.0024	0.163	0.139	0.000089	0.0232	0.895	(1)	7.12	1.222689	1.103689	0.0712	15.50125
13B-0563	13B-0563-G1AS	0.183	0.00298	0.154	0.154	0.000075	0.0252	1.06	13B-0563-C1AS	4.46	1.396255	1.213255	0.0446	27.20302691
13B-0564	13B-0564-G2AS	0.38	0.00526	0.484	0.317	0.000269	0.085	2.13	(1)	6.88	3.021529	2.641529	0.0688	38.39431686
13B-0565	13B-0565-G1AS	1.5	0.00612	0.358	0.266	0.000022	0.0479	1.57	(1)	1.81	2.248042	0.748042	0.0181	41.32828729
13B-0566	13B-0566-G3AS	0.57	0.00332	0.222	0.157	0.00002	0.027	0.927	(1)	1.54	1.33634	0.76634	0.0154	49.76233766
13B-0567	13B-0567-G2AS	0.822	0.00995	0.498	0.336	0.000137	0.0618	2.49	(1)	6.32	3.395887	2.573887	0.0632	40.72606013
13B-0568	13B-0568-G2AS	12.5	0.09338	0.942	1.92	0.000158	0.398	7.62	(1)	4.45	10.973538	-1.526462	0.0445	-34.30251685
13B-0570	13B-0570-G3AS	1.66	0.0195	1.09952	0.6243	0.000275	0.10596	4.14882	(2)	(2)	5.998375	4.338375	(2)	(2)
13B-0571	13B-0571-G2AS	0.85	0.00806	0.4776	0.2846	0.000159	0.05013	2.04399	13B-0571-C3AS	3.06	2.864539	2.014539	0.0306	65.83460784
13B-0573	13B-0573-G3AS	0.26	0.00441	0.305	0.184	0.00011	0.0335	1.315	13B-0573-C2AS	15	1.84202	1.58202	0.15	10.5468
13B-0574	13B-0574-G2AS	0.35	0.00292	0.183	0.172	0.000079	0.0269	1.59	13B-0574-C3AS	1.87	1.974899	1.624899	0.0187	86.89299465
13B-0575	13B-0575-G1AS	0.488	0.00626	0.39	0.235	0.00013	0.0387	1.58	13B-0575-C4AS	6.03	2.25009	1.76209	0.0603	29.22205638
13B-0577	13B-0577-G1AS	0.022	0.00609	0.478	0.227	0.000152	0.0426	1.48	(1)	7.13	2.233842	2.211842	0.0713	31.02162693
13B-0578	13B-0578-G2AS	0.25	0.00631	0.477	0.226	0.000184	0.0398	1.45	13B-0578-C5AS	1.69	2.199294	1.949294	0.0169	115.3428402

Notes:

Table reflects grab samples processed only. Grab samples were were proposed but could not be collected from the following locations: 13B-0509, 13-0510, 13B-0545, 13B-0569, and 13B-0572. Grab samples were collected and processed from 13B-0756, but archived and not analyzed.
AVS - Acid Volatile Sulfide
foc - Fraction Organic Carbon (% TOC/100)
ft - Feet
LRC - Low Resolution Coring
SEM - Simultaneously Extracted Metals
SSP2 - Second Supplemental Sampling Program
TOC - Total organic carbon
umol/g - Micromoles per Gram
% - Percent
(1) TOC data from grab sample due to limited sample volume in core.
(2) TOC data not available for this sample because of insufficient sample volume.

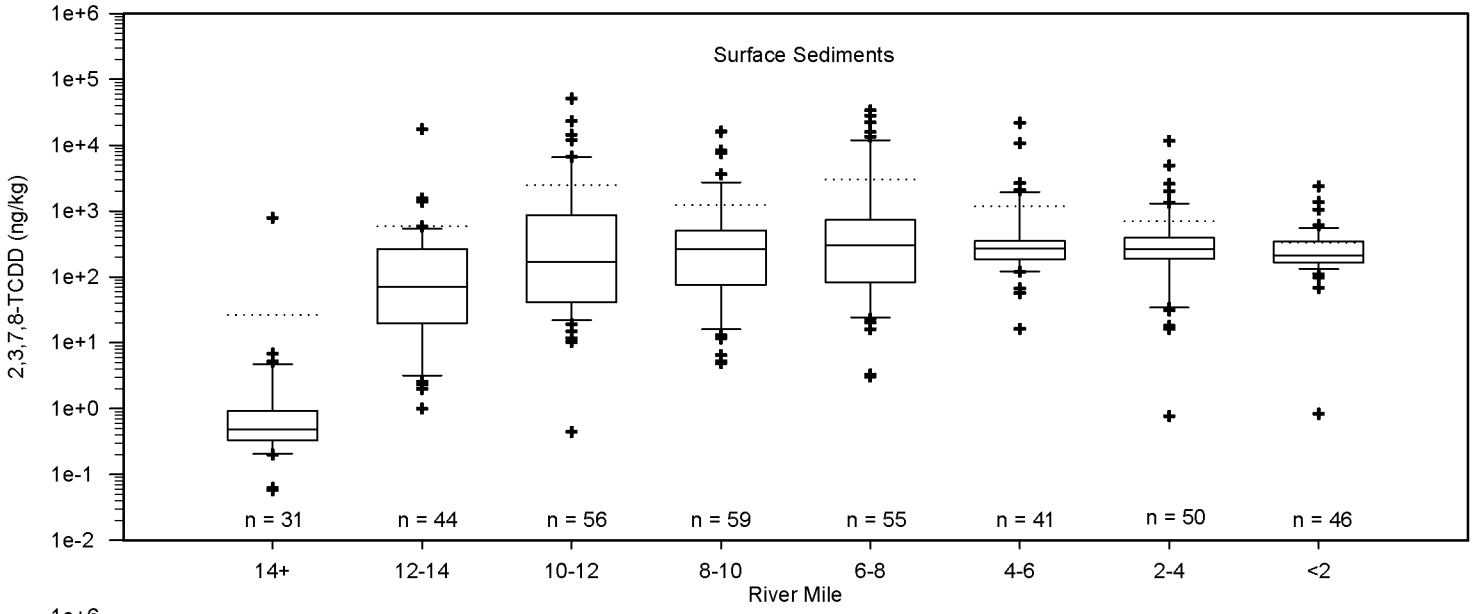
Figure 3-1 Key to Box and Whisker Plots

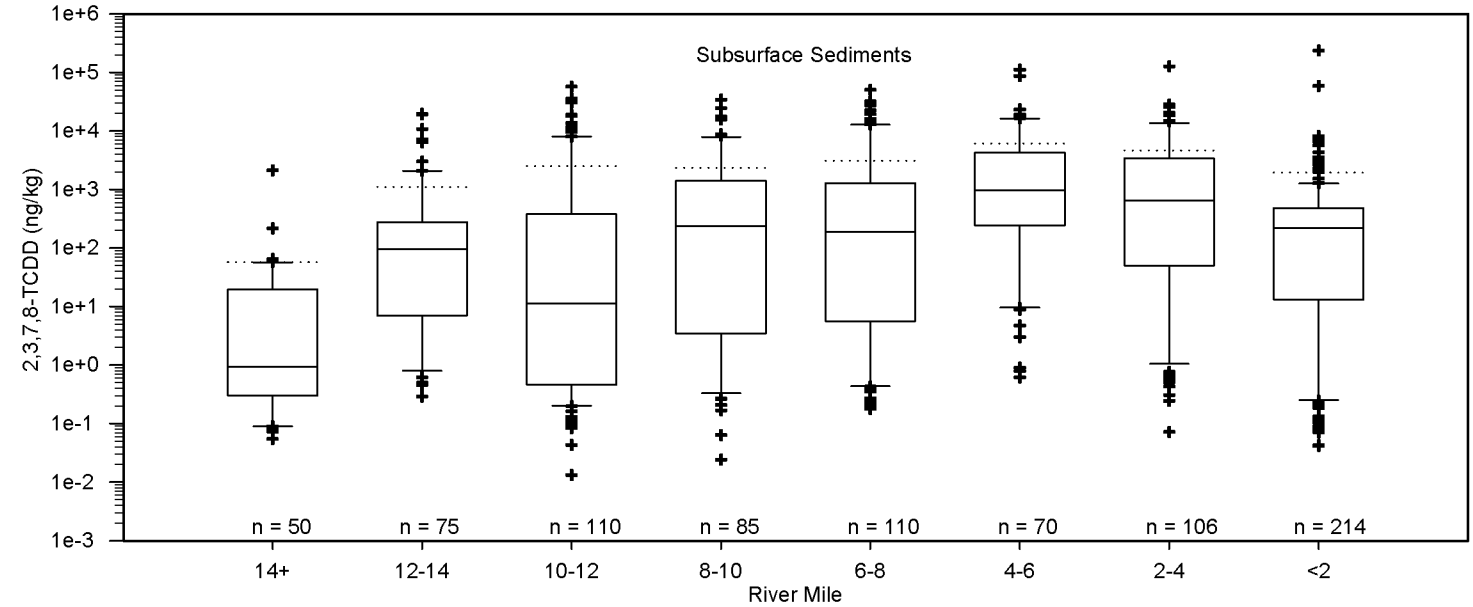


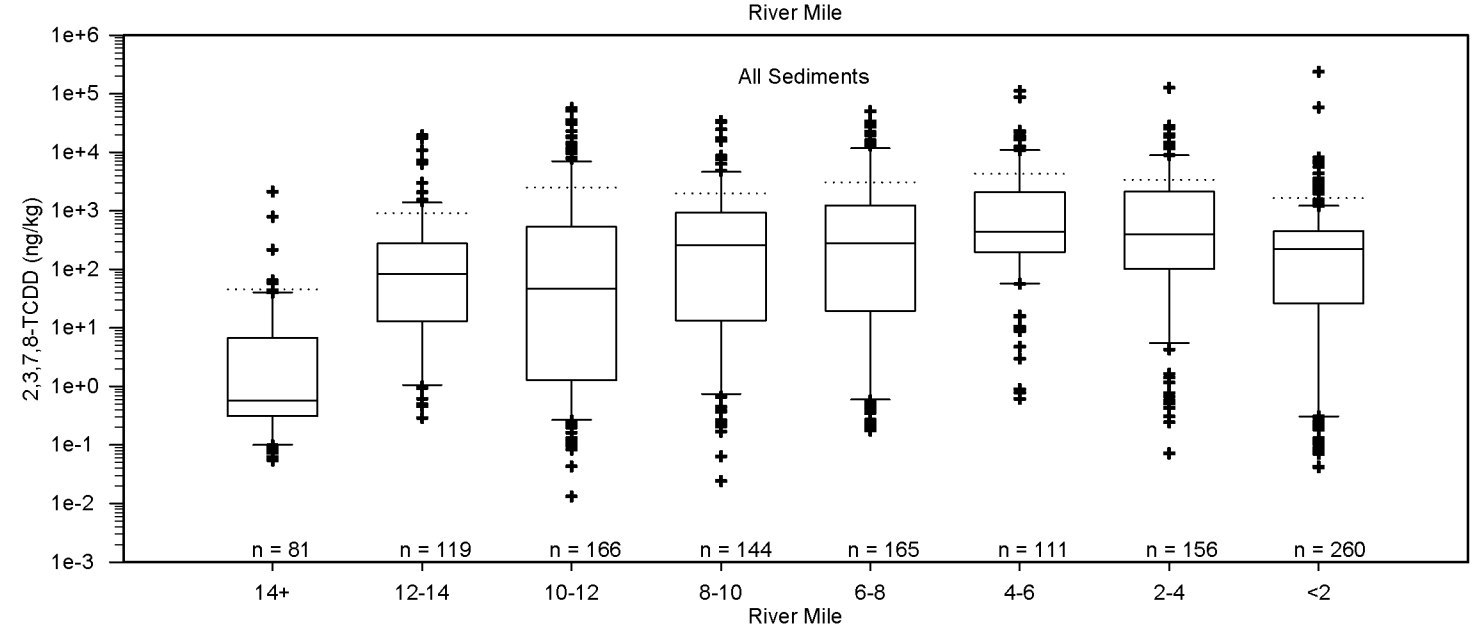
NOTES:

1. Non-detect samples for select chemicals were included and shown on the box and whisker plot at the full detection limit.
2. Box and whisker plots that show sums of multiple chemicals do not include non-detect results, unless all members of the group were not detected, then the sample was shown at the highest individual DL.
3. Surface sediment data consists of samples that have a depth interval of 0.0 to 0.5 ft with the exception of the following samples: LPRH05A (0.0 to 0.2 ft), LPRH07B (0.0 to 0.4 ft), 12A-0467 (0.0 to 0.45 ft), and CLRC-092 (0.0 to 0.7 ft).
4. Subsurface sediment data consists of samples that have a starting depth below 0.5 ft with the exception of the 4 samples mentioned in Note 3 whose subsurface sediment data begins at the bottom of the surface data.
5. All depths sediment data consists of both surface and subsurface samples.
6. Notes for each chemical are included on the appropriate box and whisker diagram.
7. The data is divided into one mile segments. Each river mile segment includes samples up to and including the upper limit of the RM interval.
8. Number of samples (n) are shown for each segment.
9. Tributary and Dundee Lake data are excluded from the data sets.
10. Data presented on a dry weight basis.

3-1.a Box and Whisker Plots: 2,3,7,8-TCDD
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

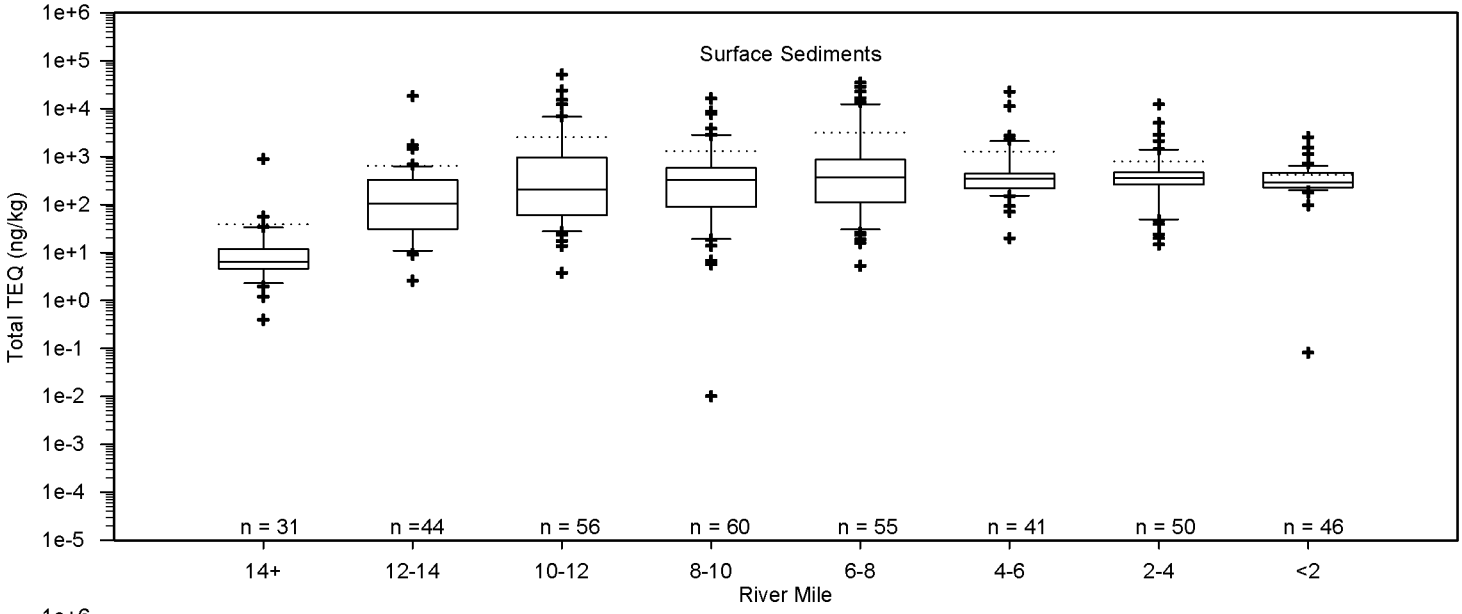


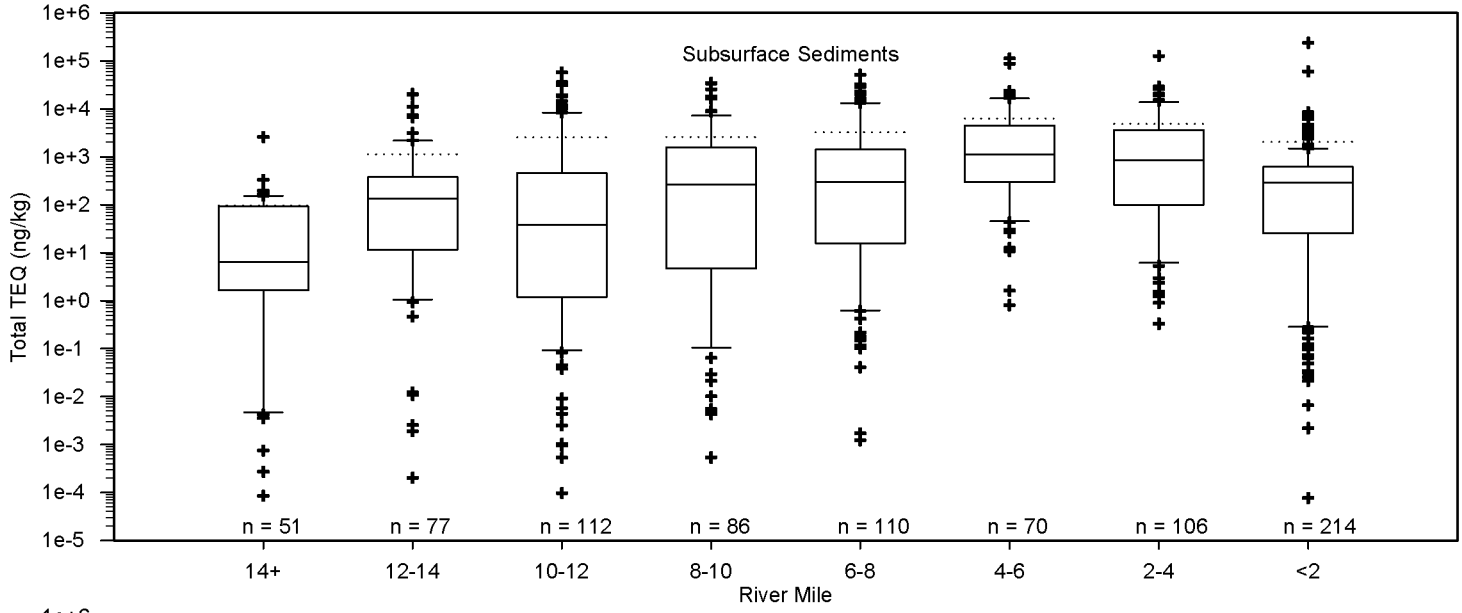


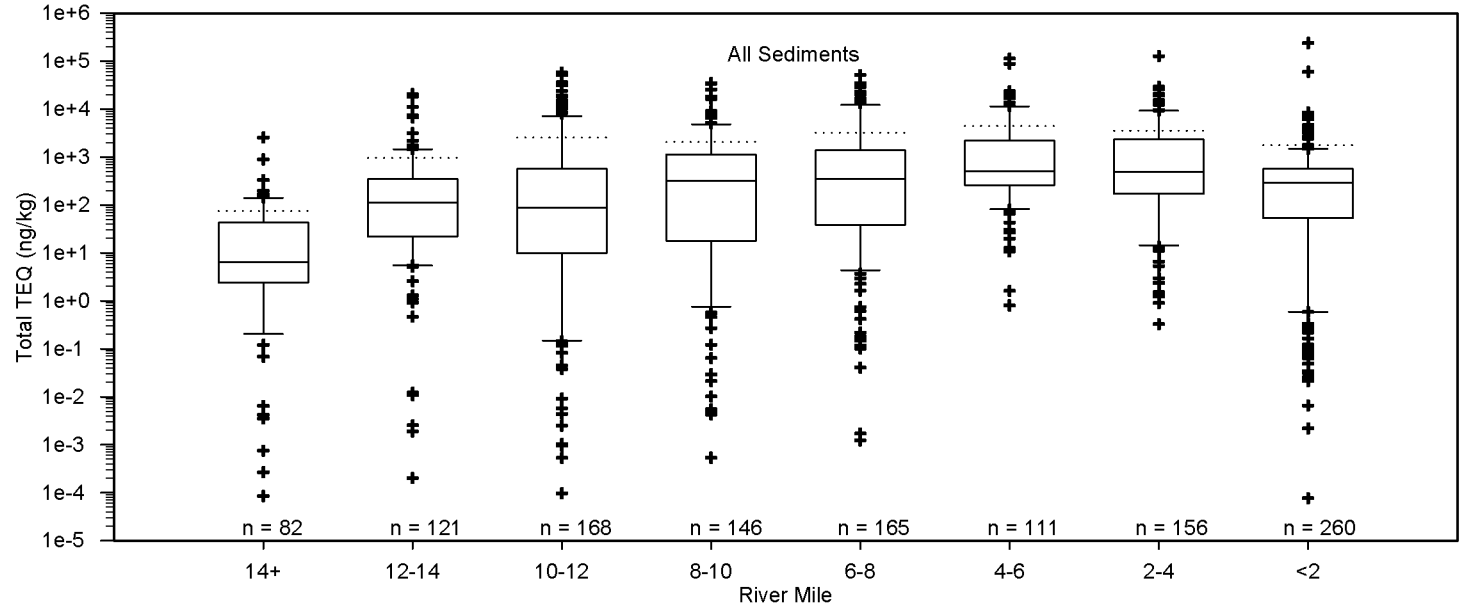


AECOM
November 2015

3-1.b Box and Whisker Plots: Total TEQ
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)





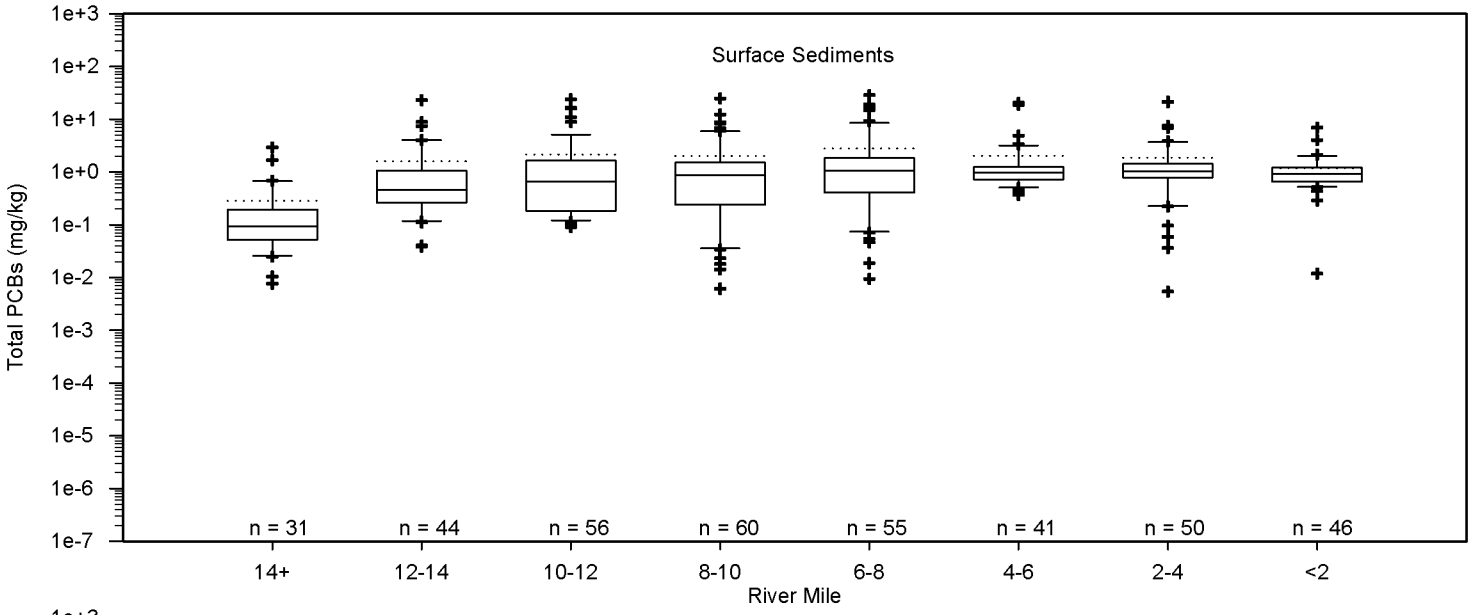


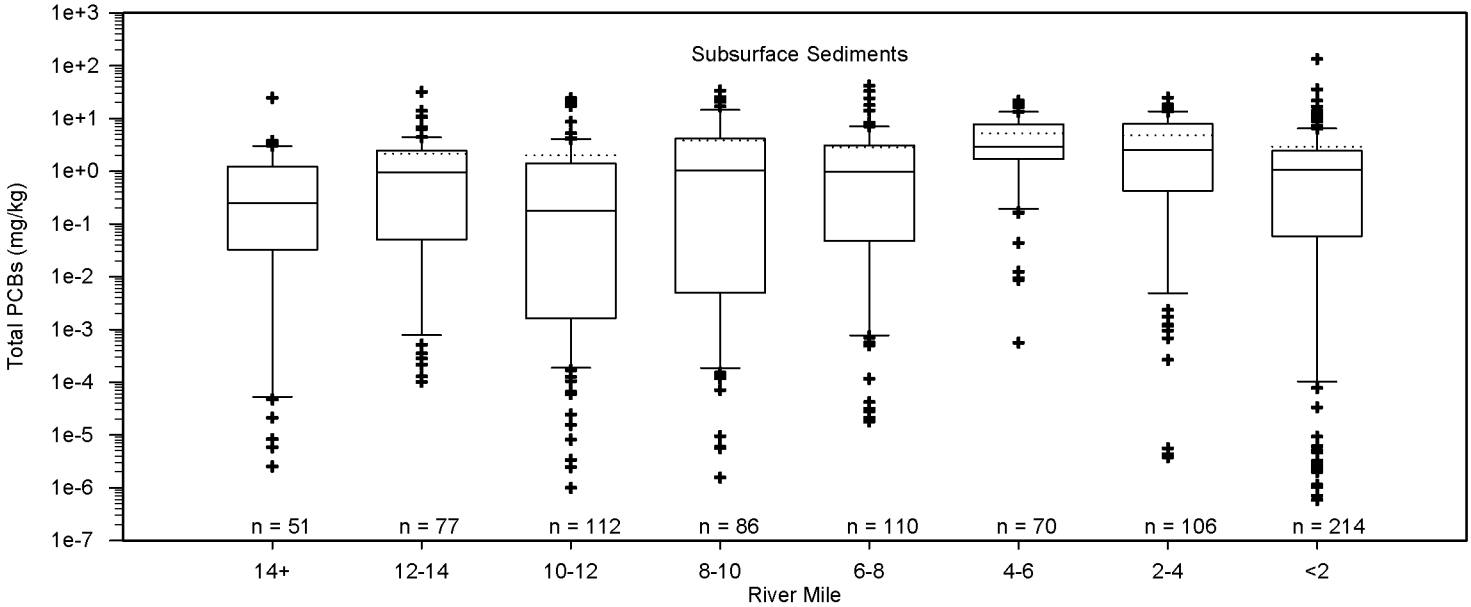
NOTES: Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects for the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF (see Table 3-1).

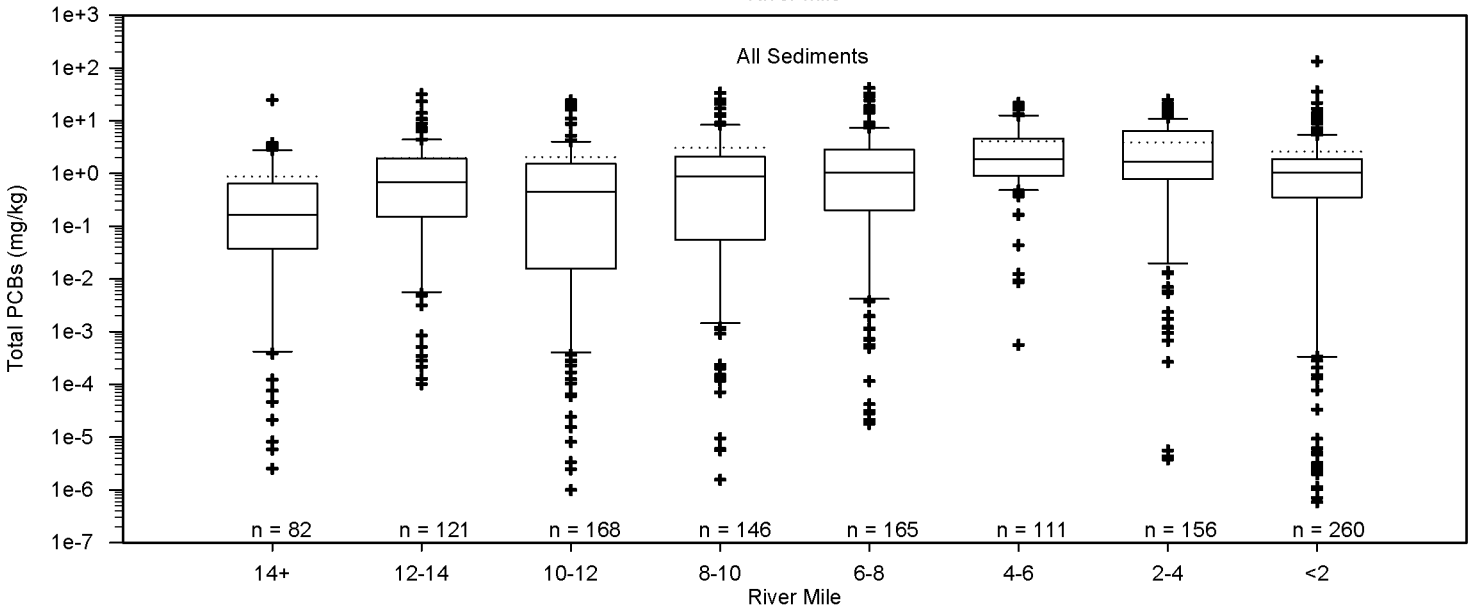
AECOM

November 2015

3-1.c Box and Whisker Plots: Total PCBs
LRC, Benthic, LRC SSP,and LRC SSP2 (Passaic River Samples Only)

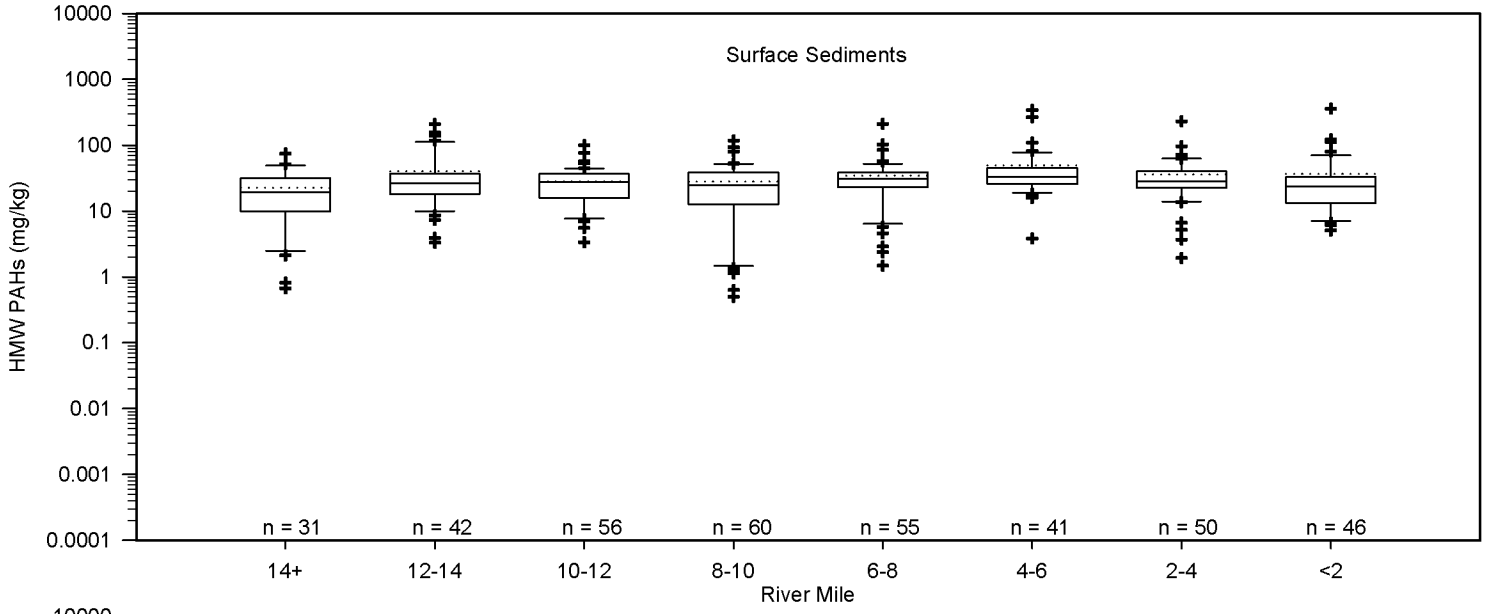


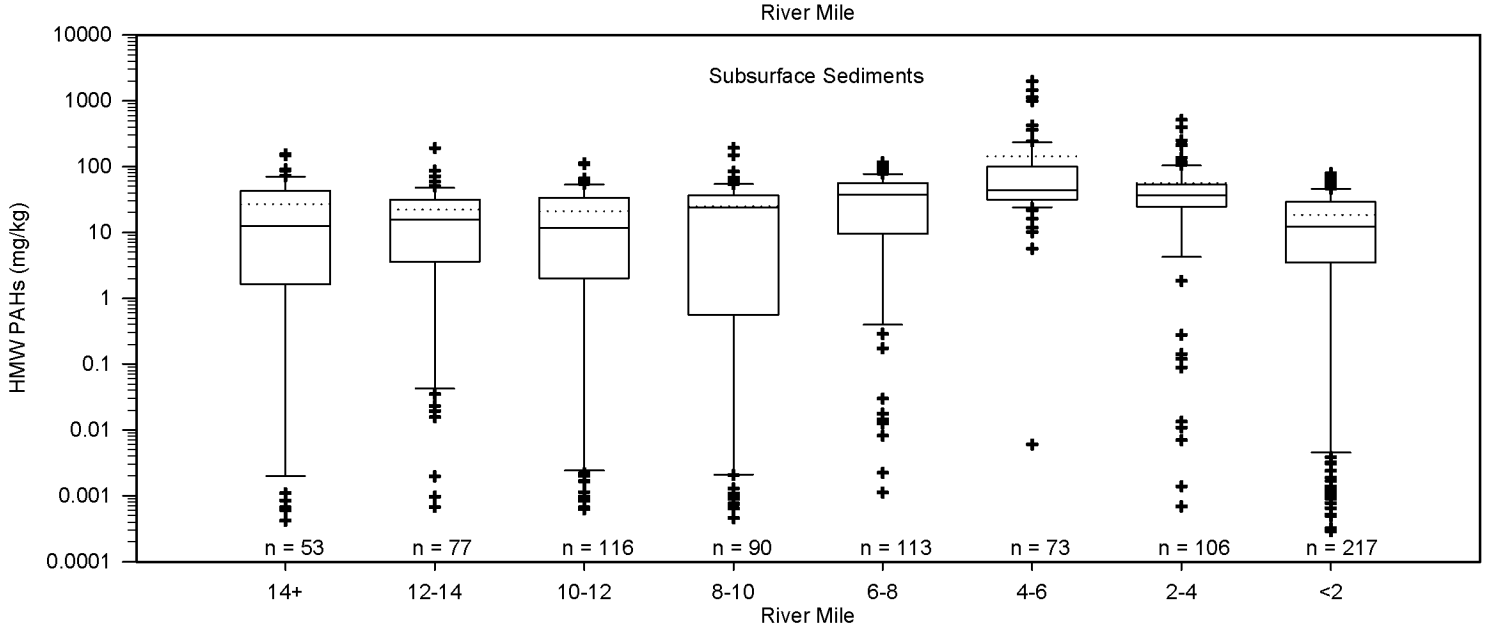


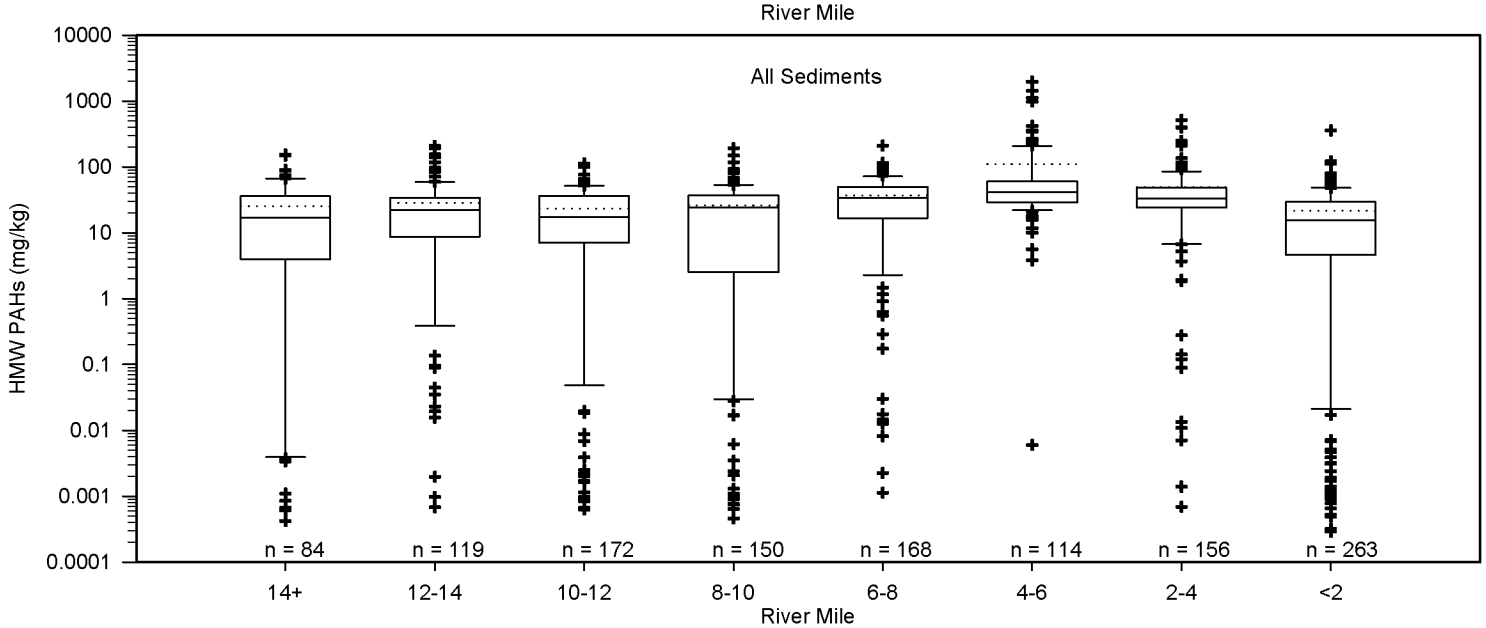


NOTES: Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL (see Table 3-1).

3-1.d Box and Whisker Plots: HMW PAHs
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

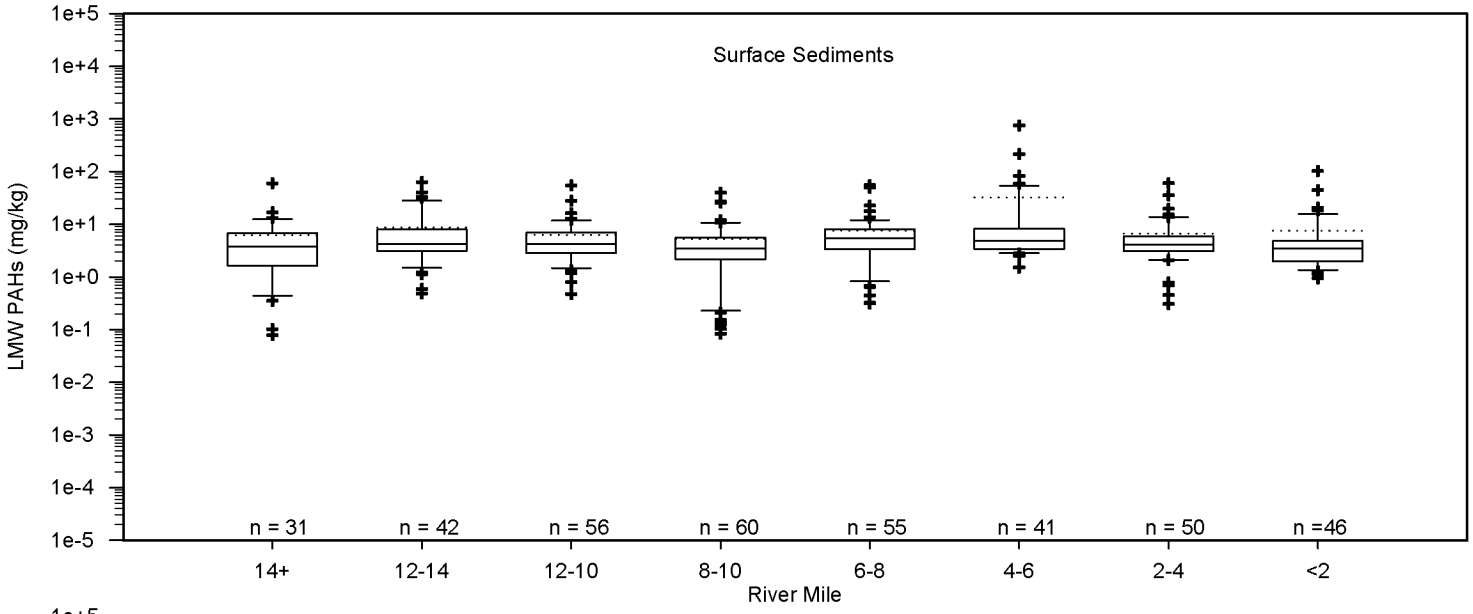


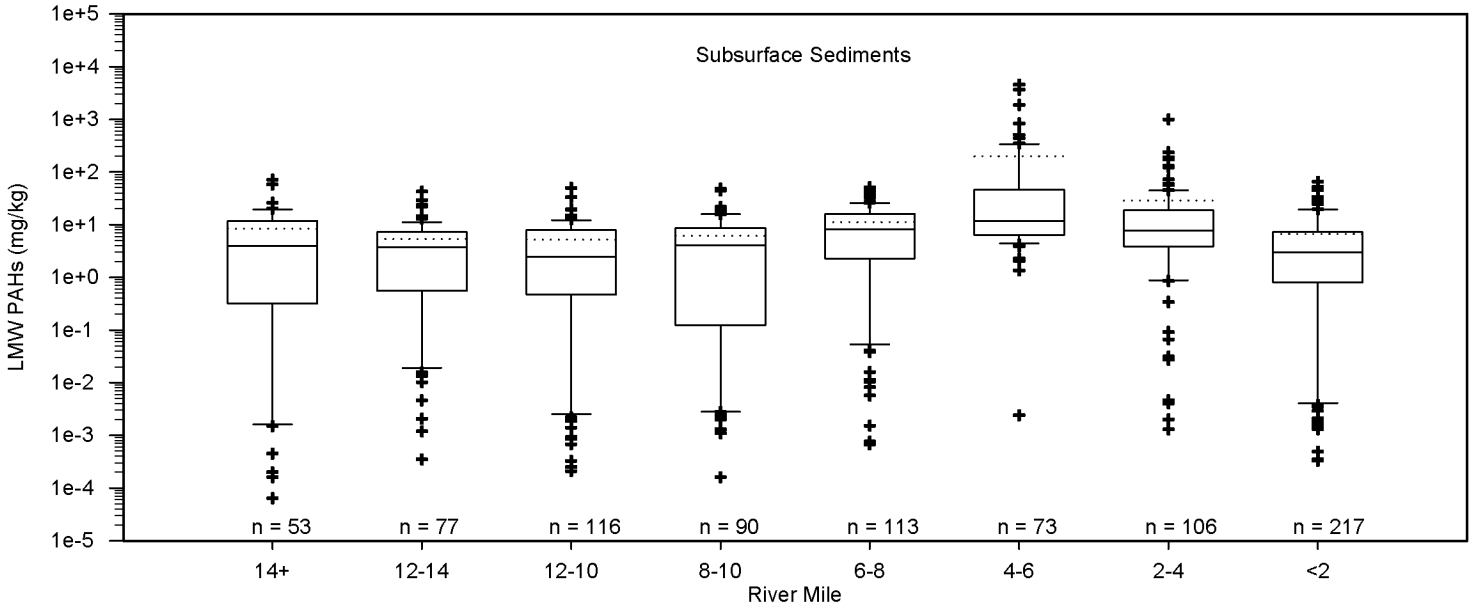


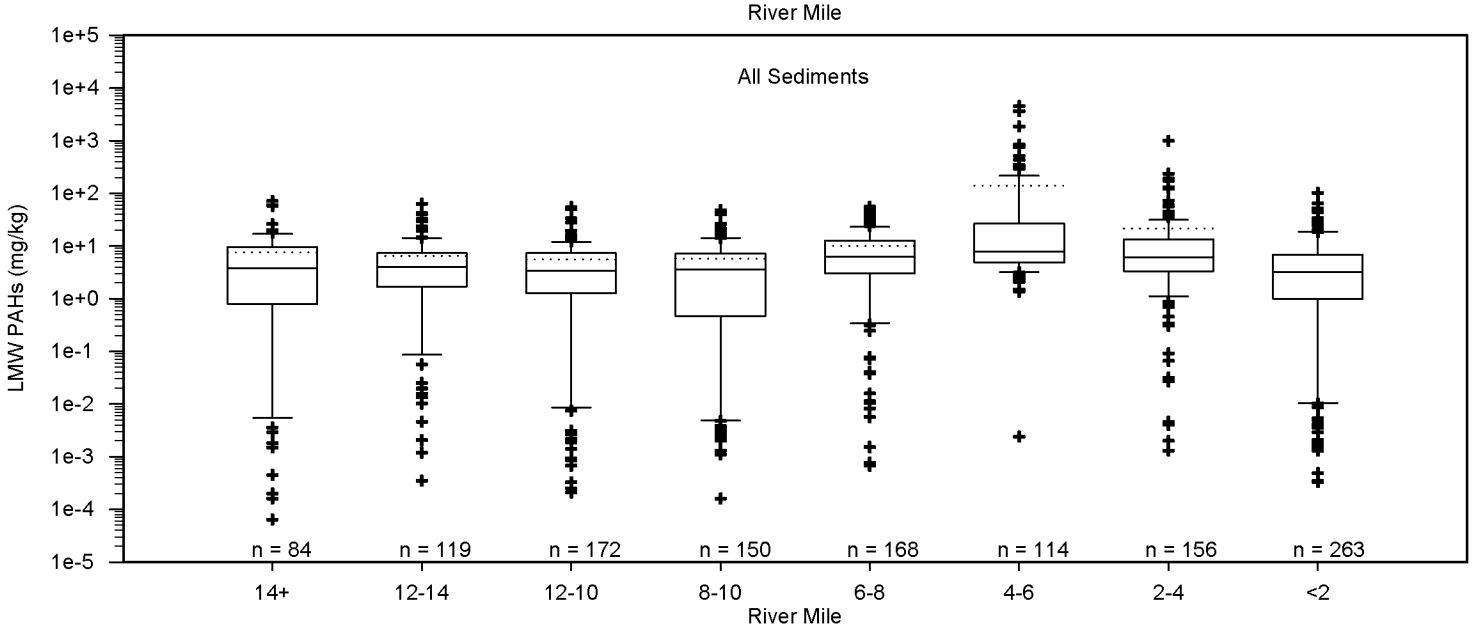


NOTES: Total HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

3-1.e Box and Whisker Plots: LMW PAHs
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

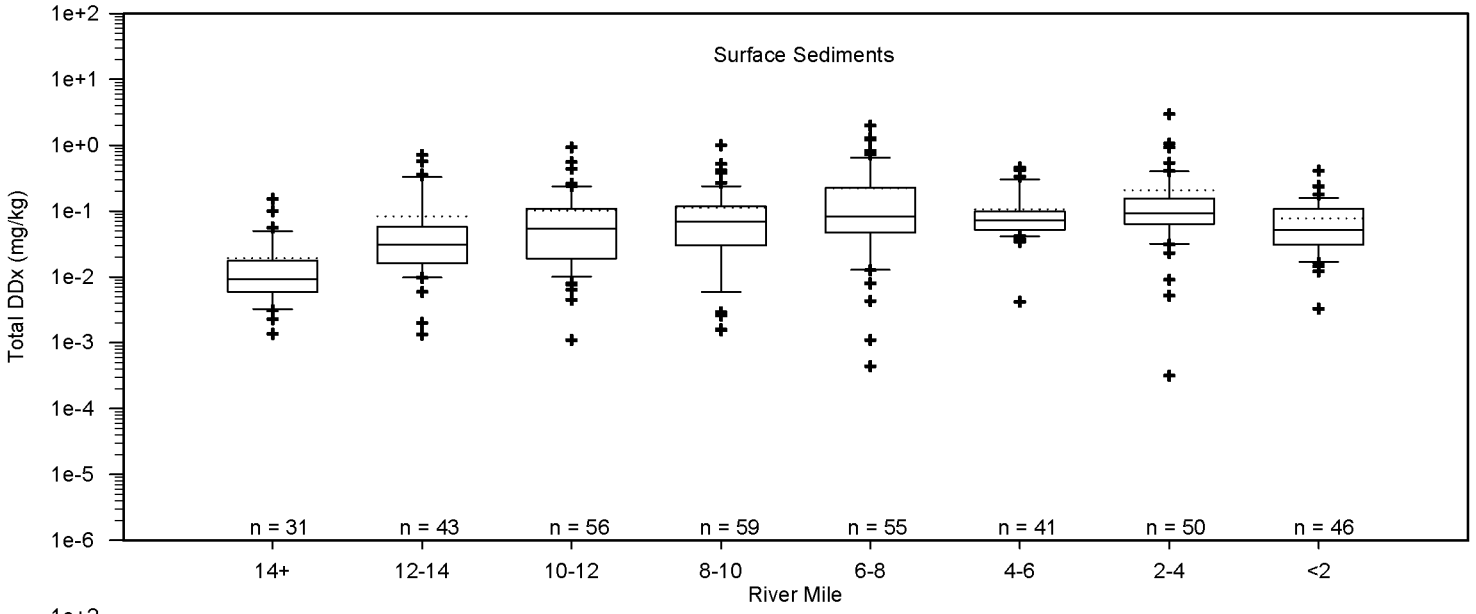


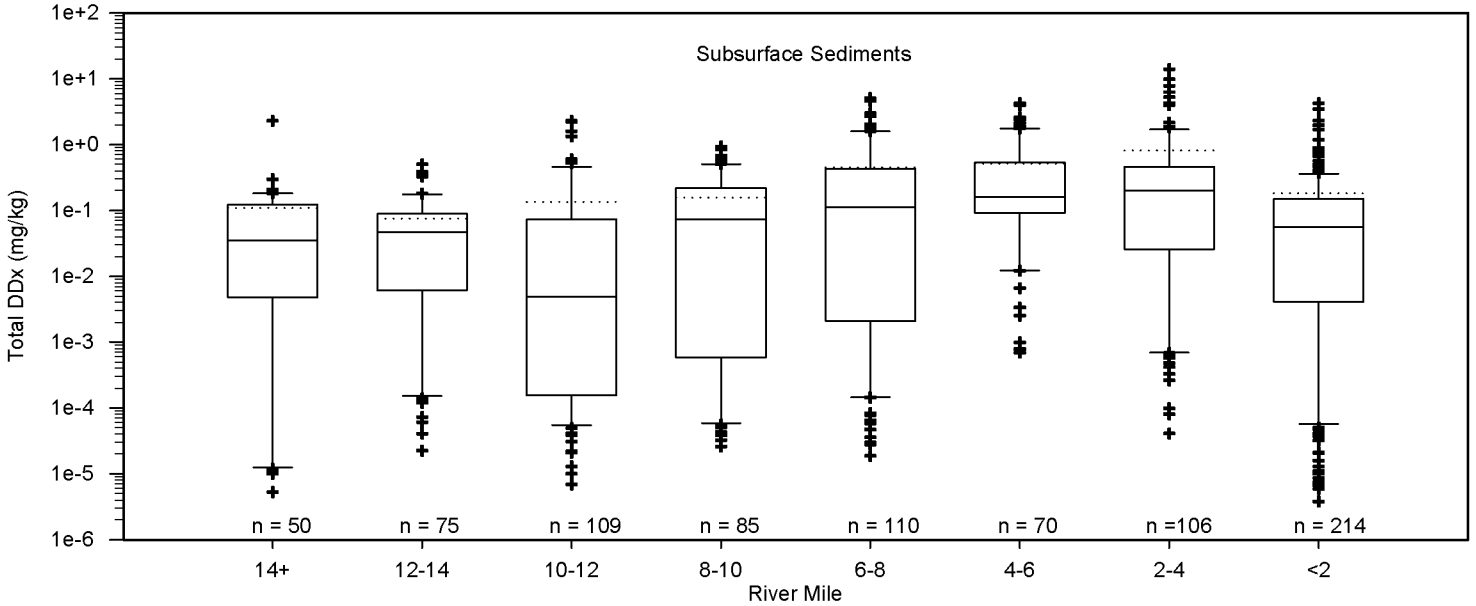


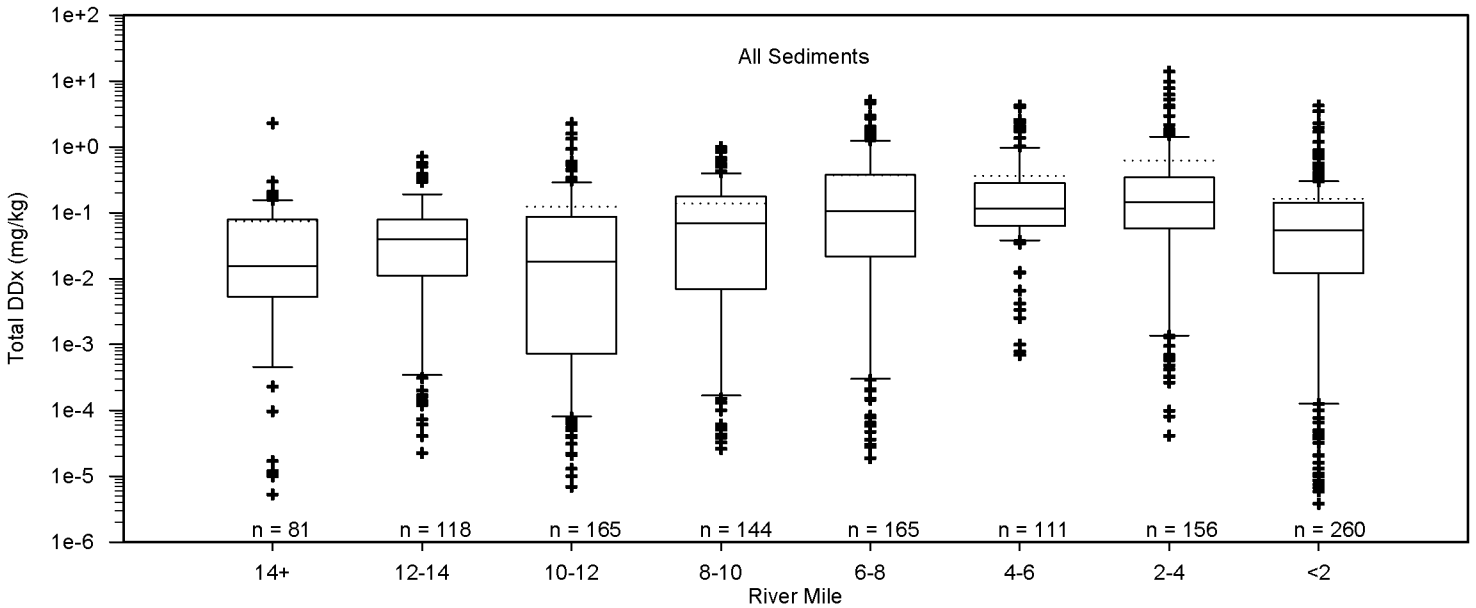


NOTES: Total LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

3-1.f Box and Whisker Plots: Total DDx
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

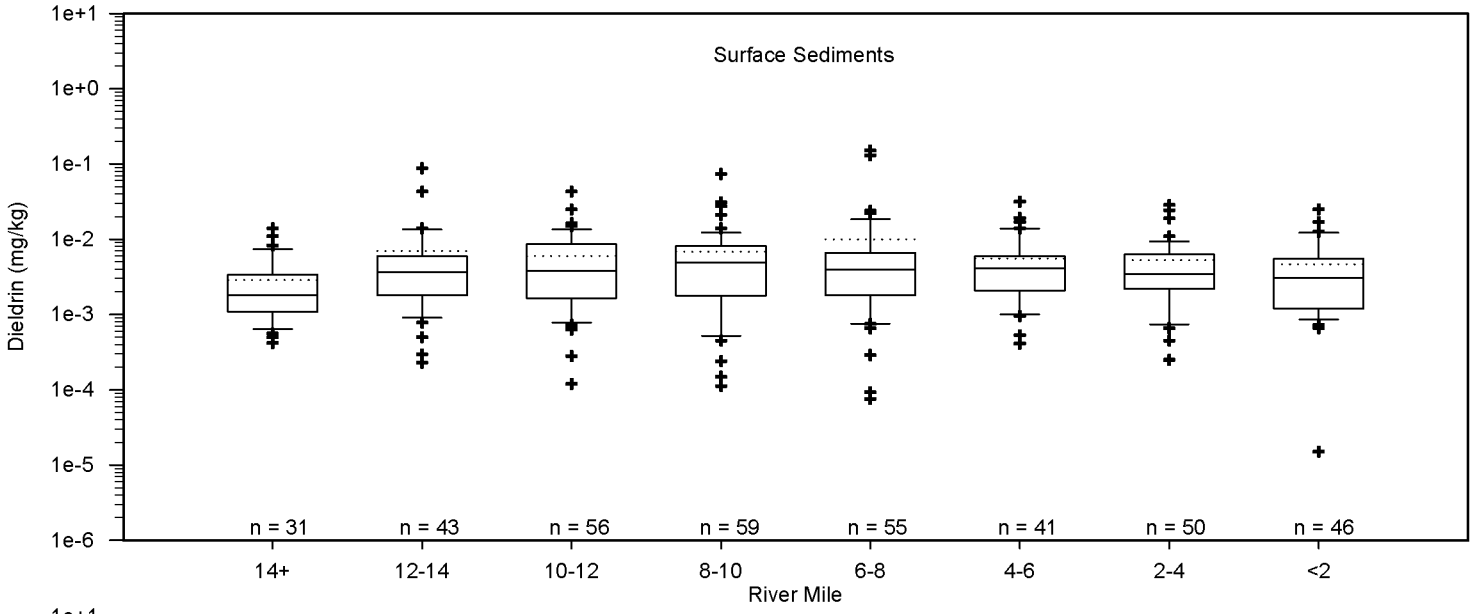


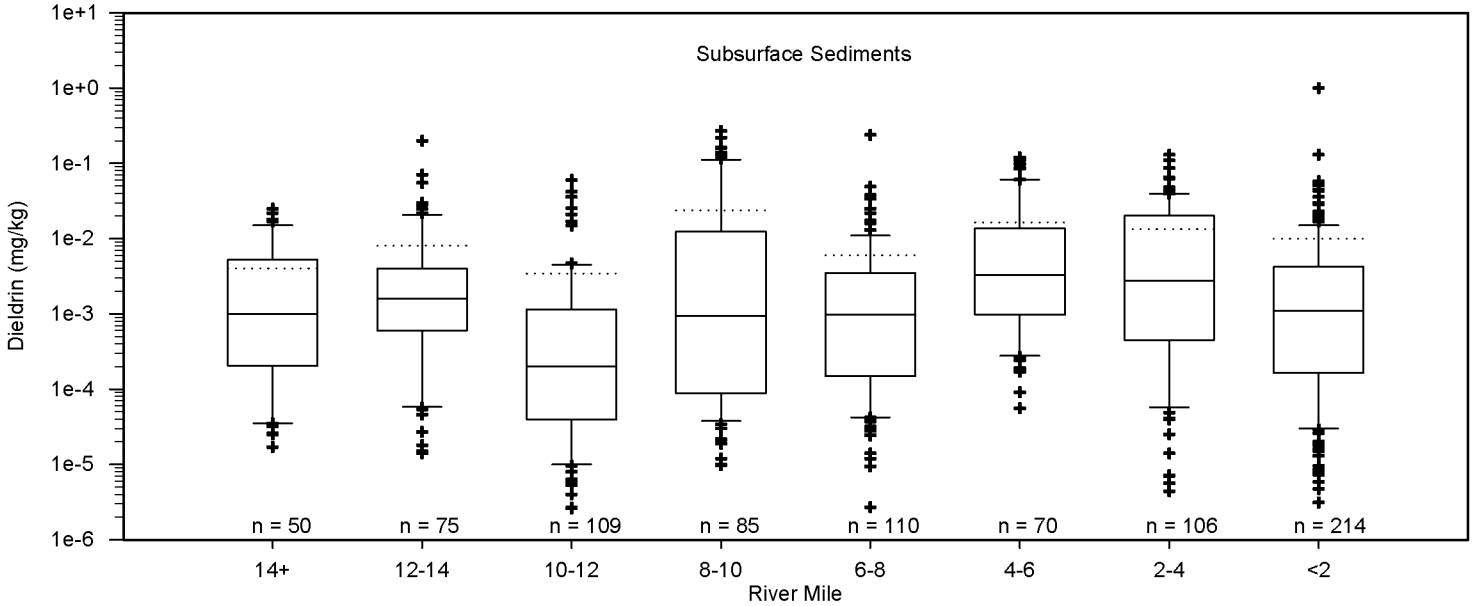


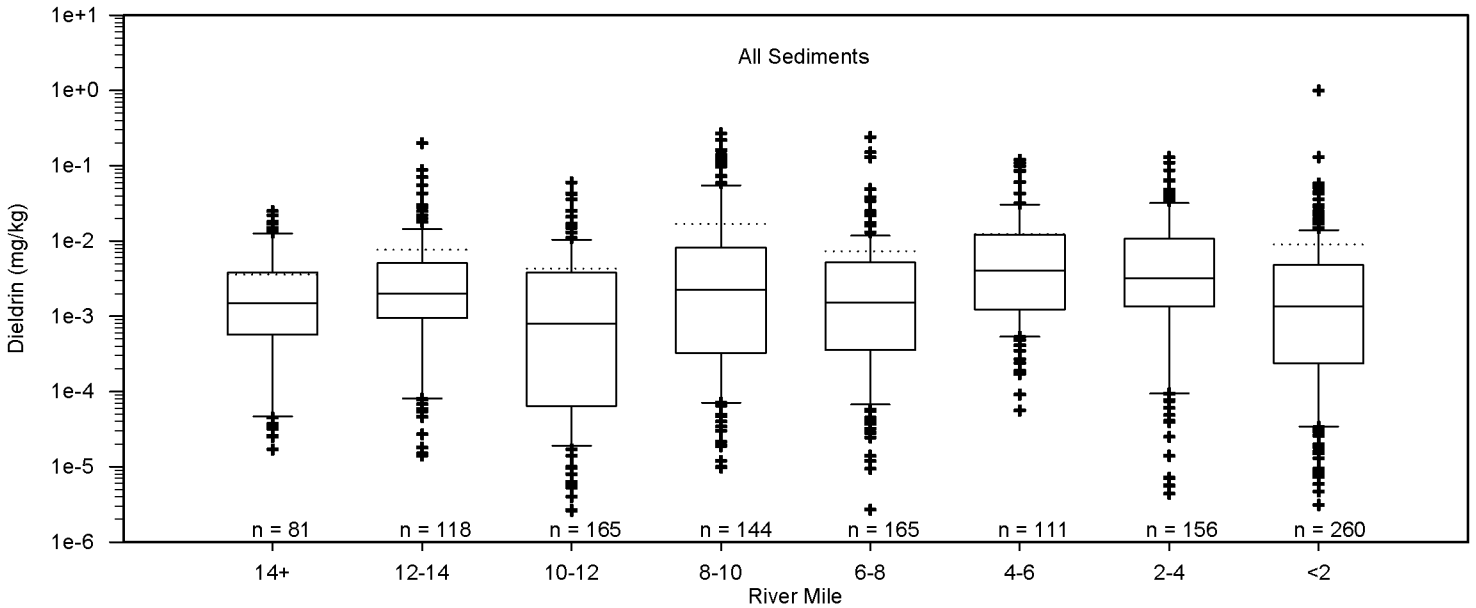


NOTES: Total DDx = The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

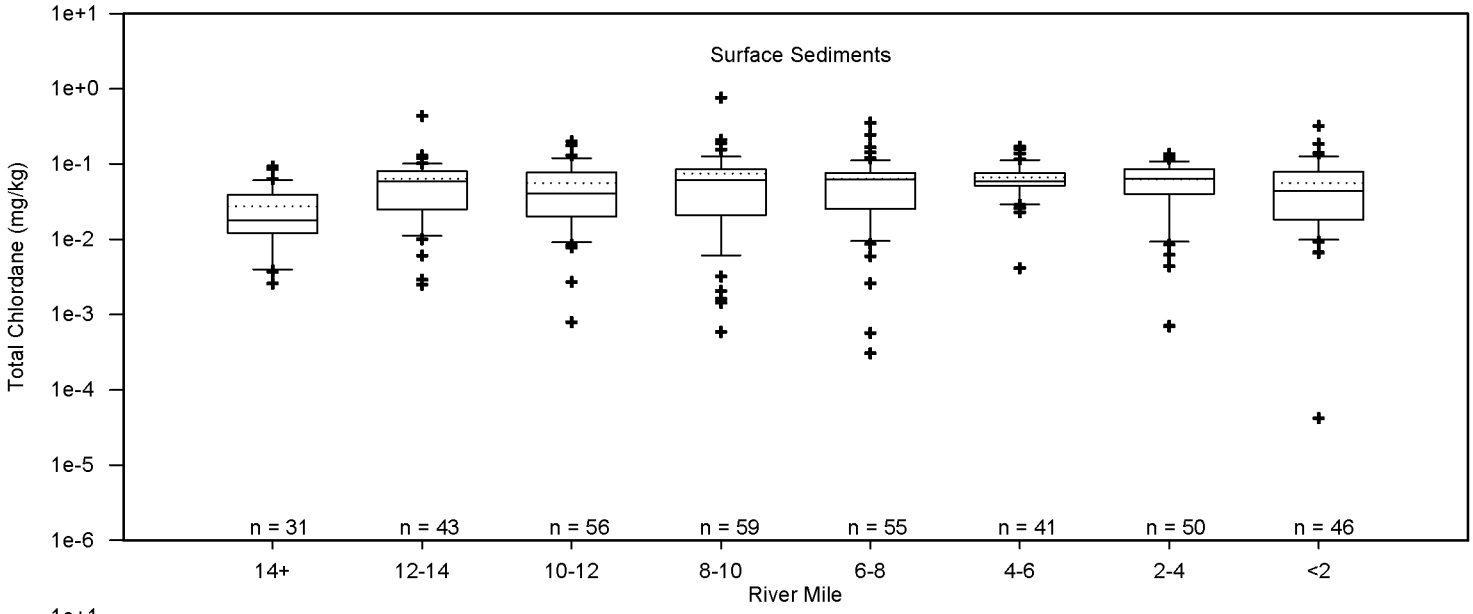
3-1.g Box and Whisker Plots: Dieldrin
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

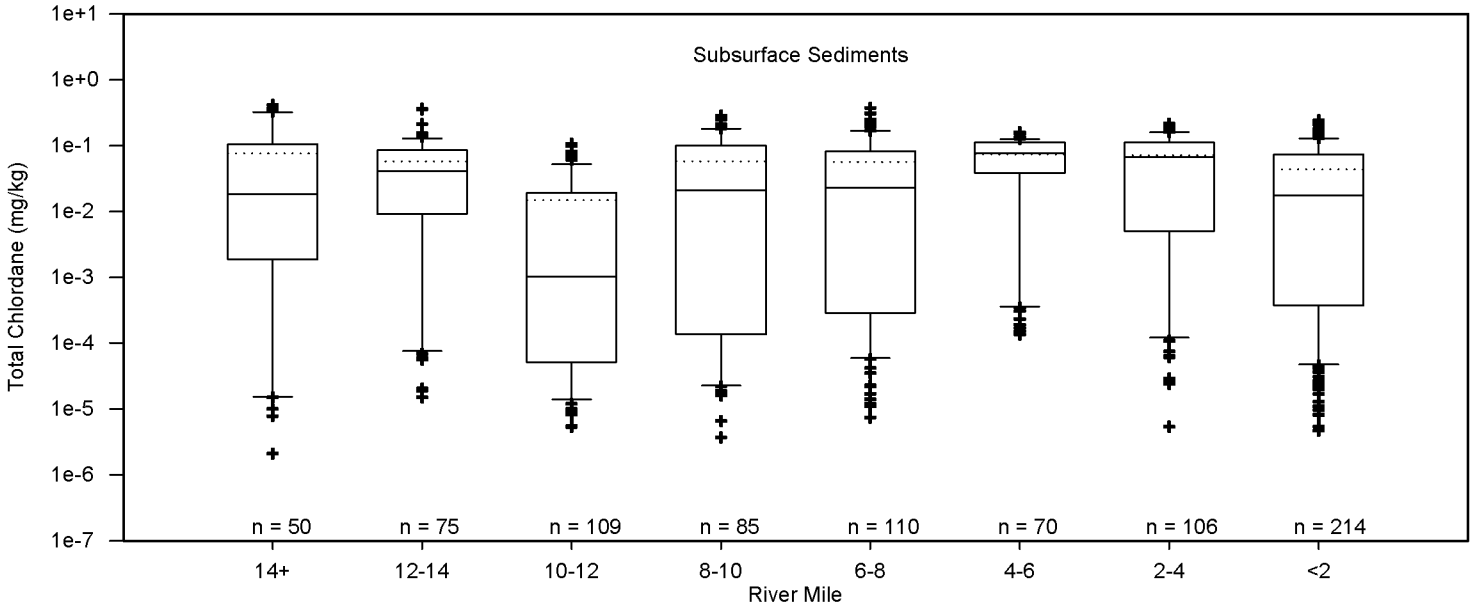


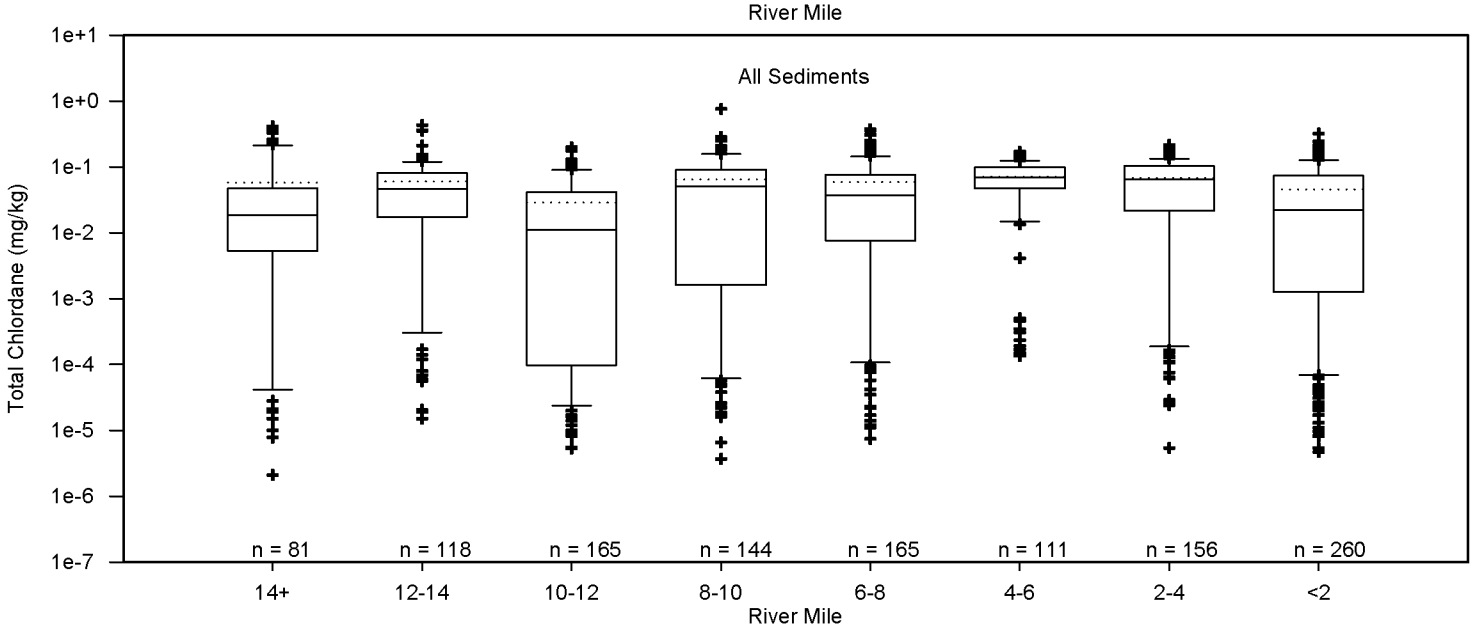




3-1.h Box and Whisker Plots: Total Chlordane
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)







NOTES: Total Chlordane = The sum of cis-Chlordane, oxy-Chlordane, trans-Chlordane, cis-Nonachlor, trans-Nonachlor detects.
If all ND, reported as the highest individual analyte DL.

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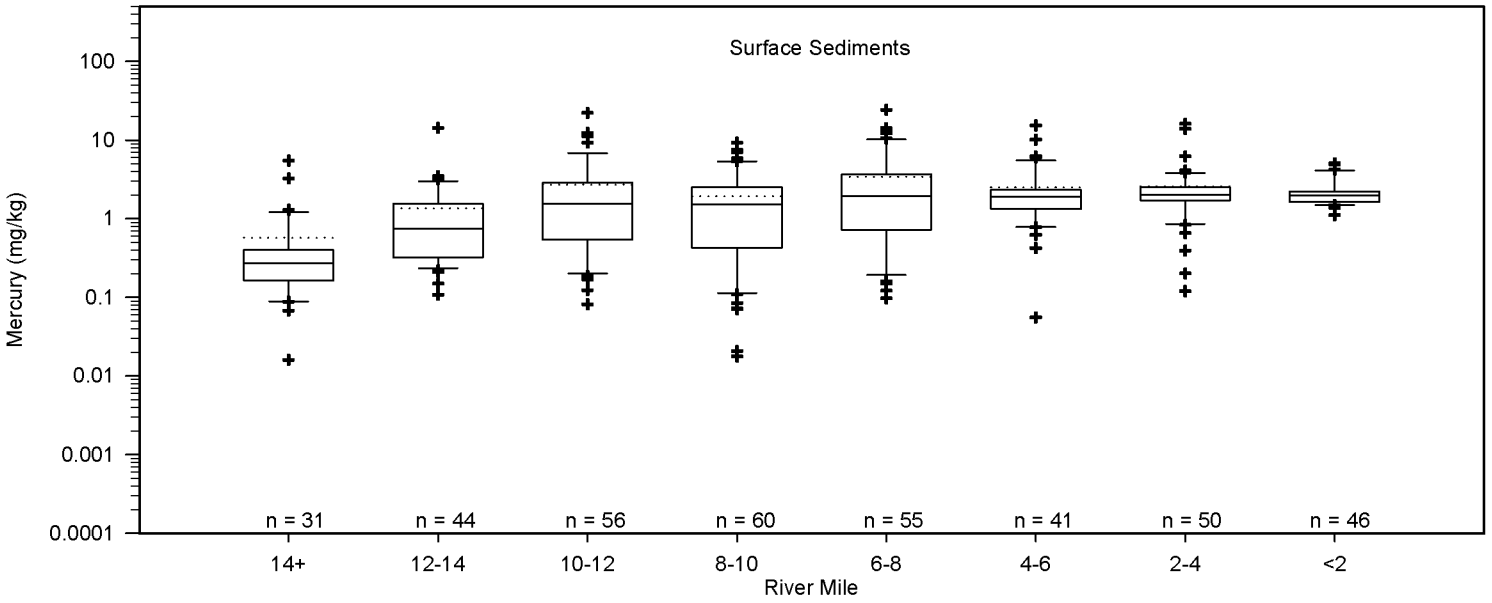
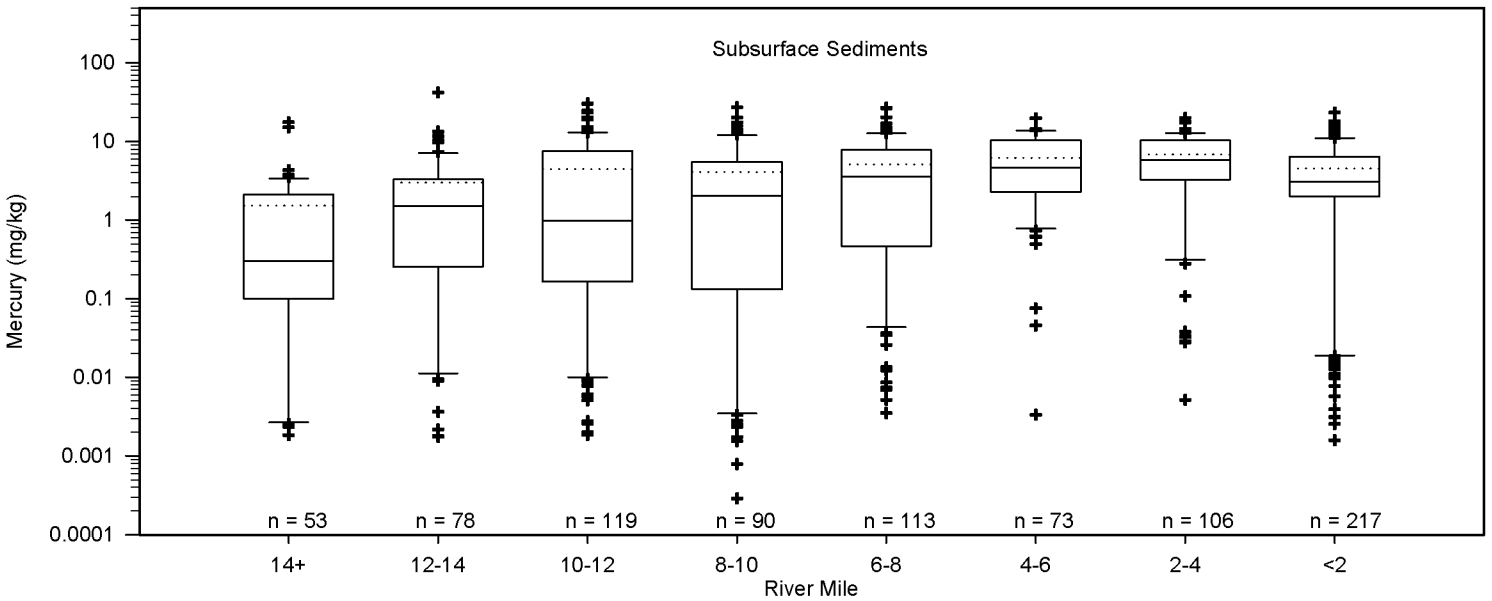
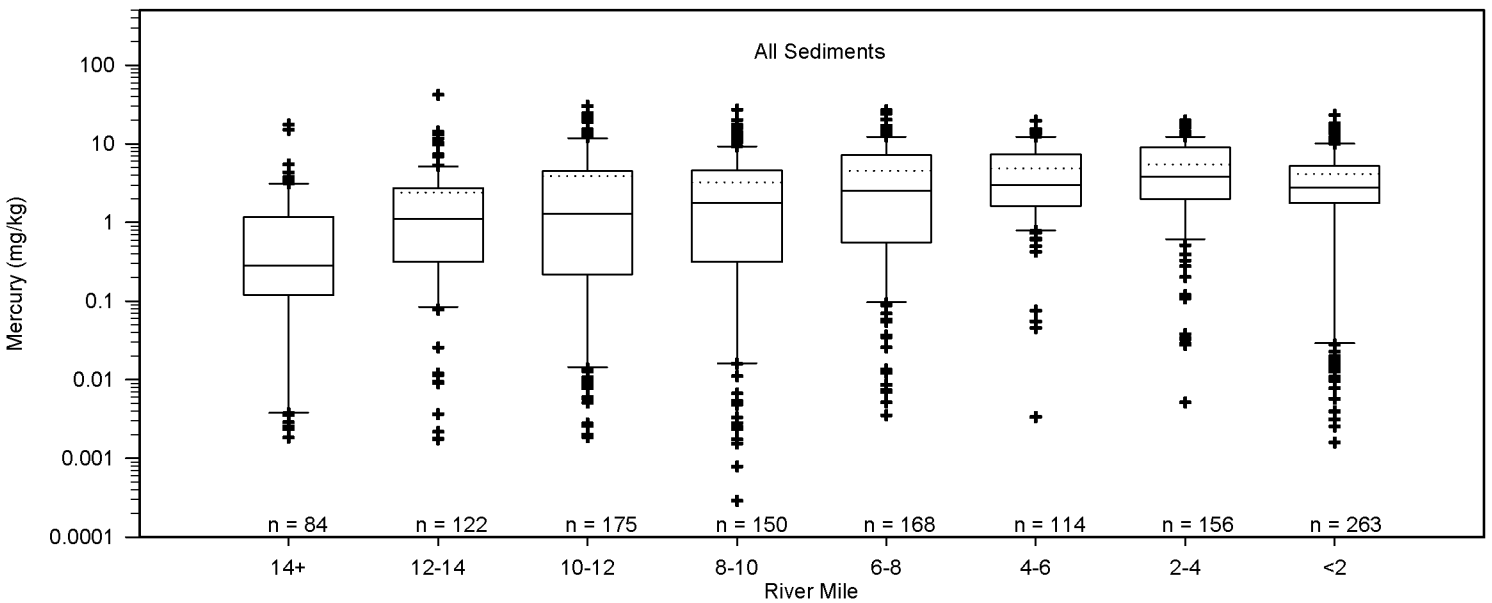
3-1.i Box and Whisker Plots: Mercury
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

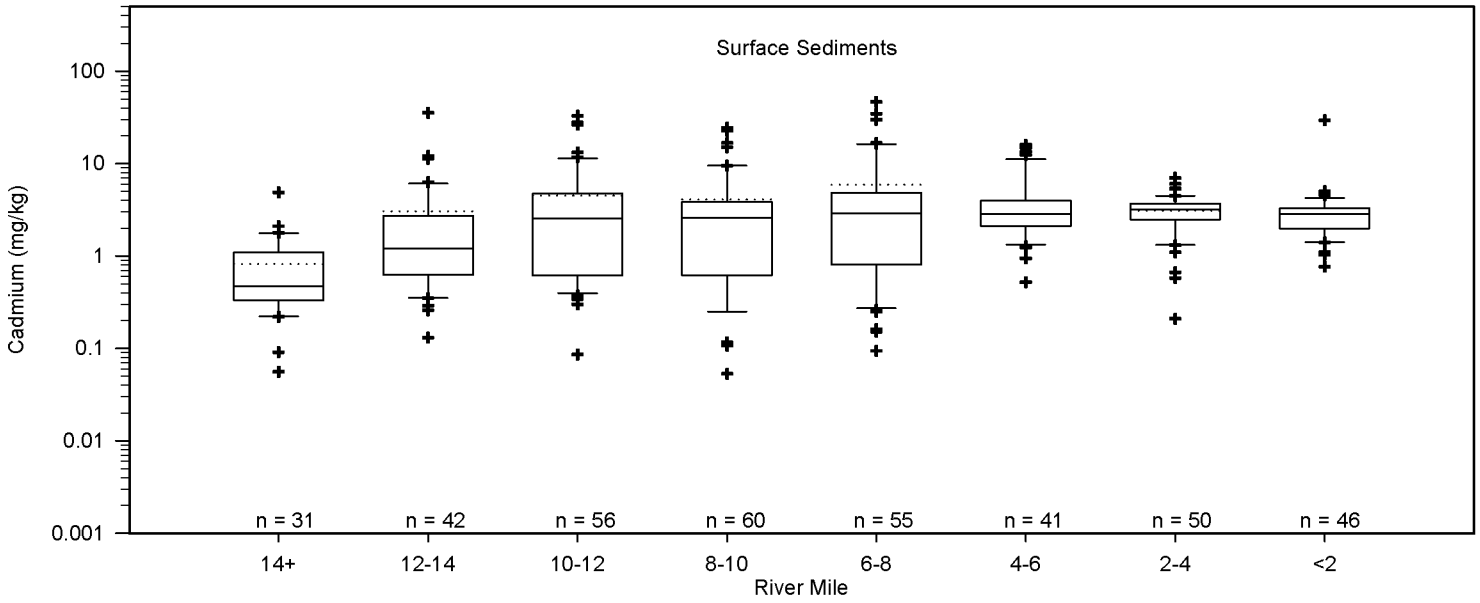


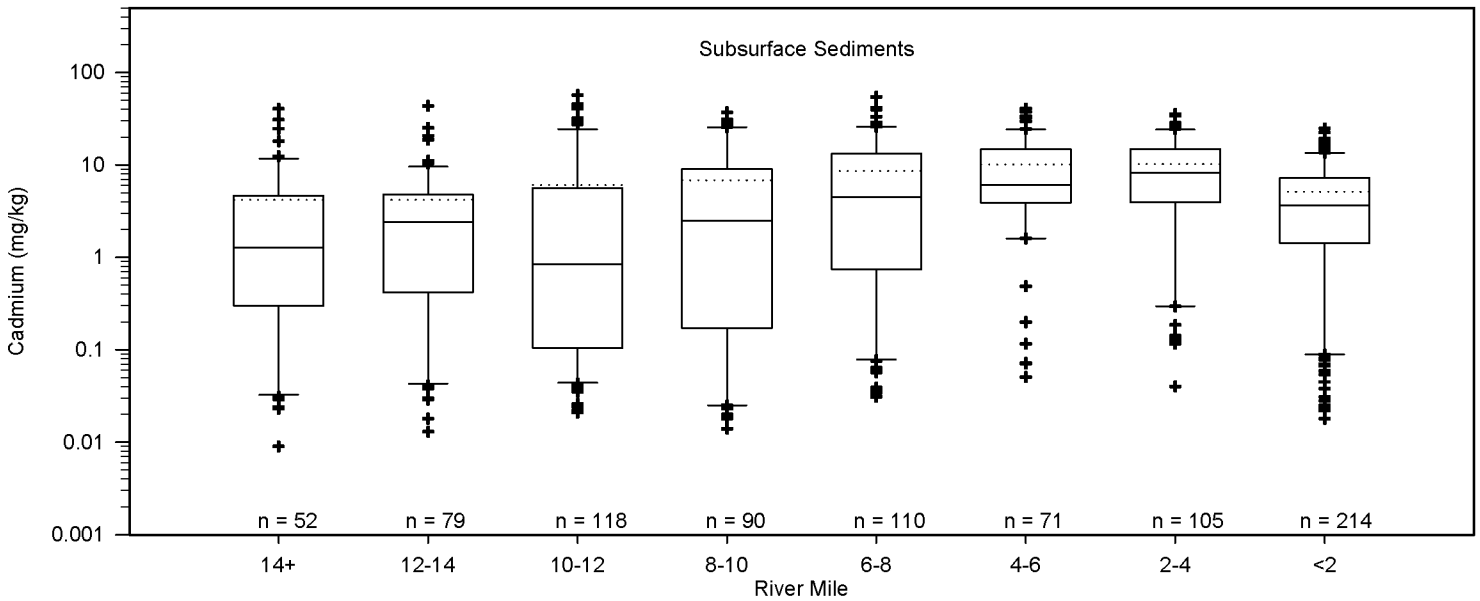


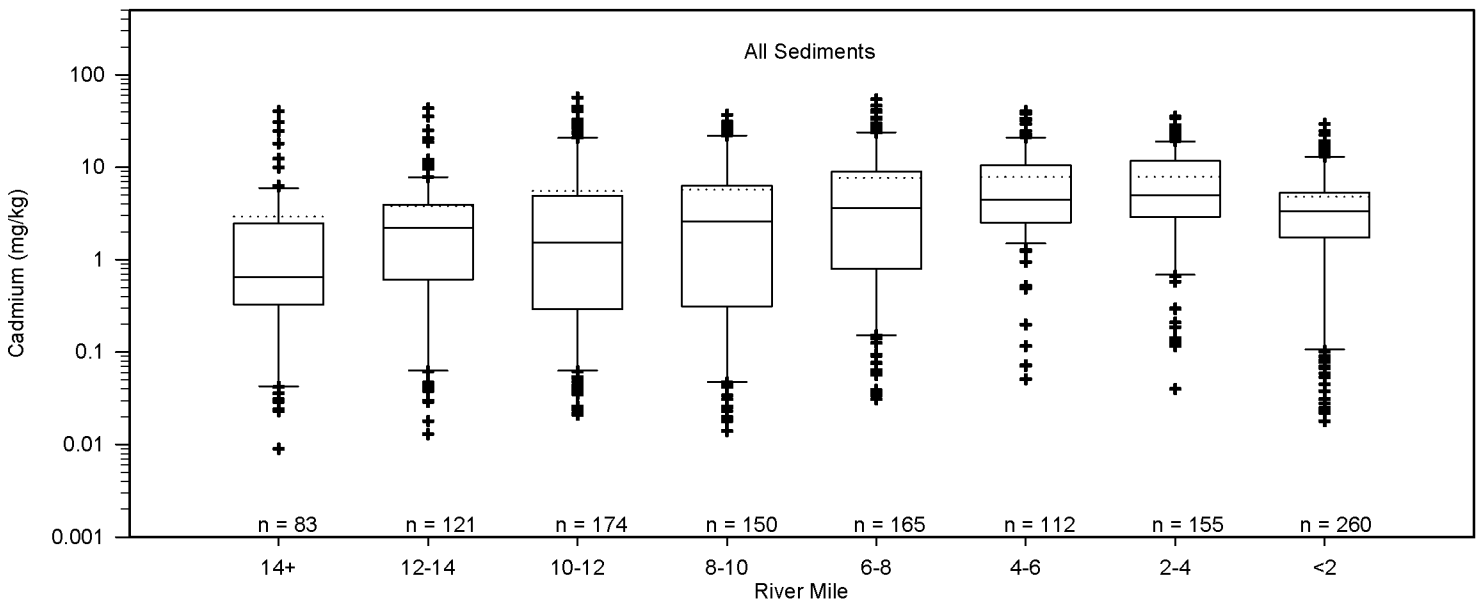


NOTES: If ND, the numerical value associated with the DL was reported.

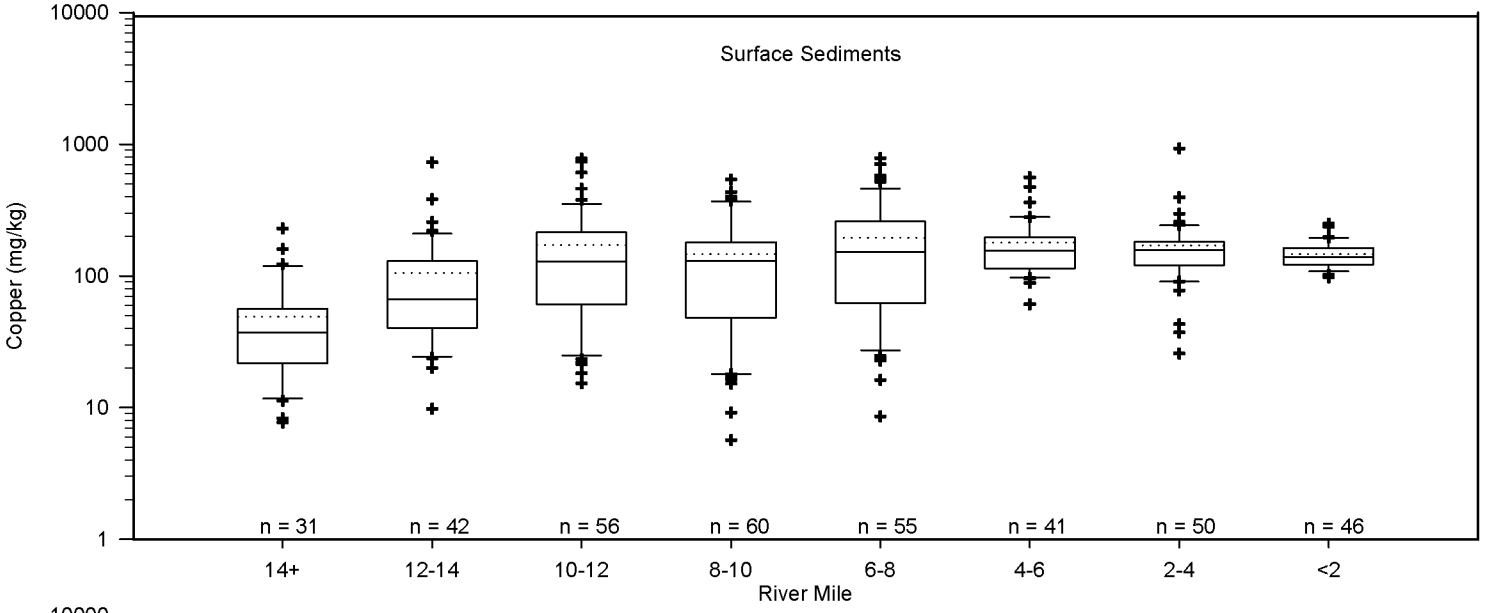
3-1.j Box and Whisker Plots: Cadmium
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

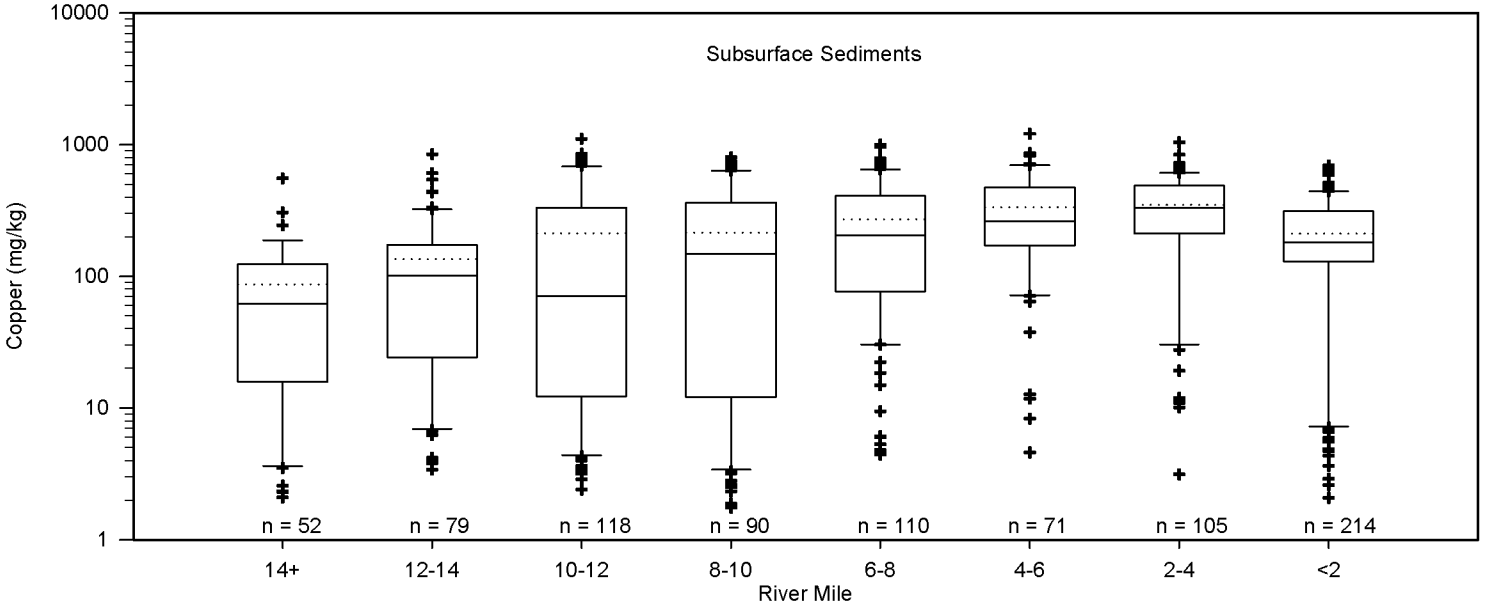


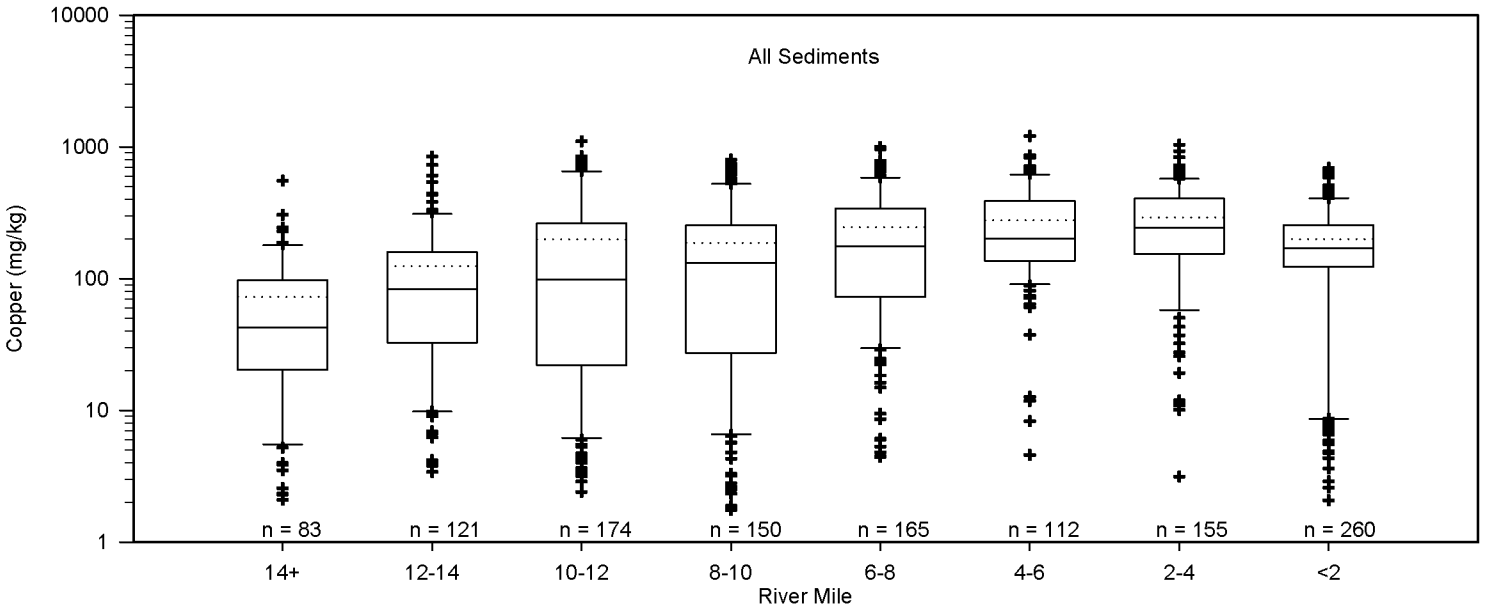




3-1.k Box and Whisker Plots: Copper
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)







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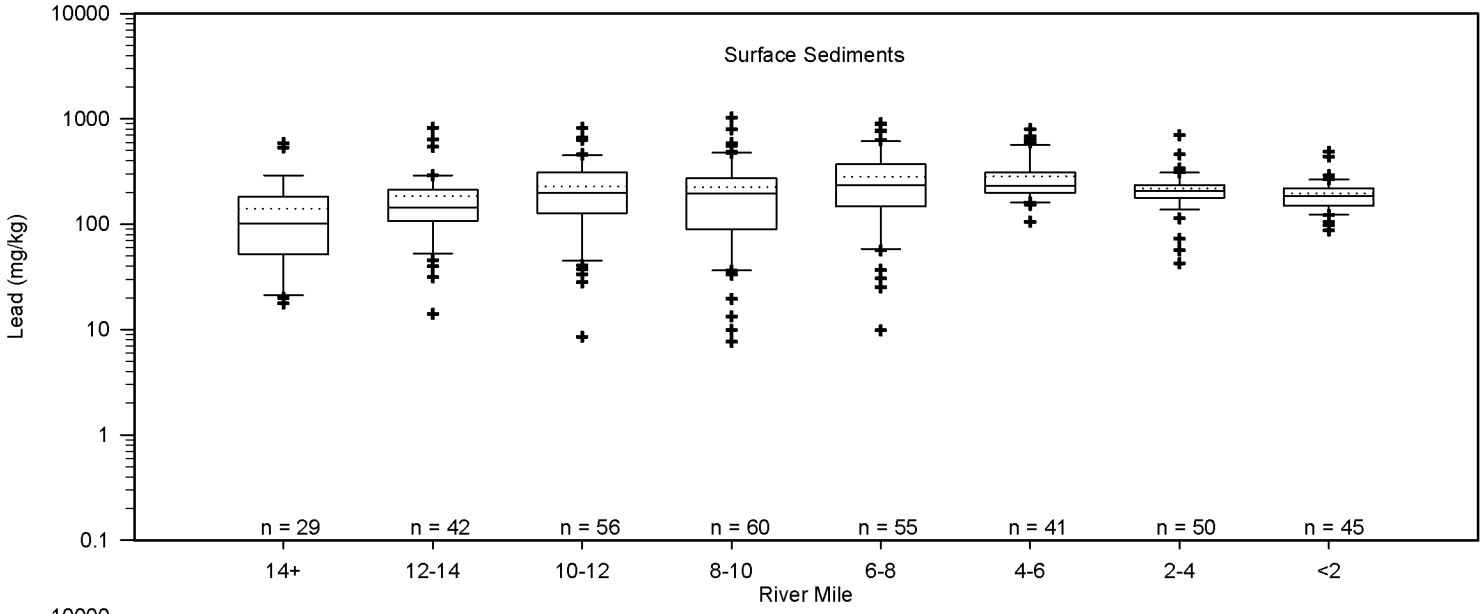
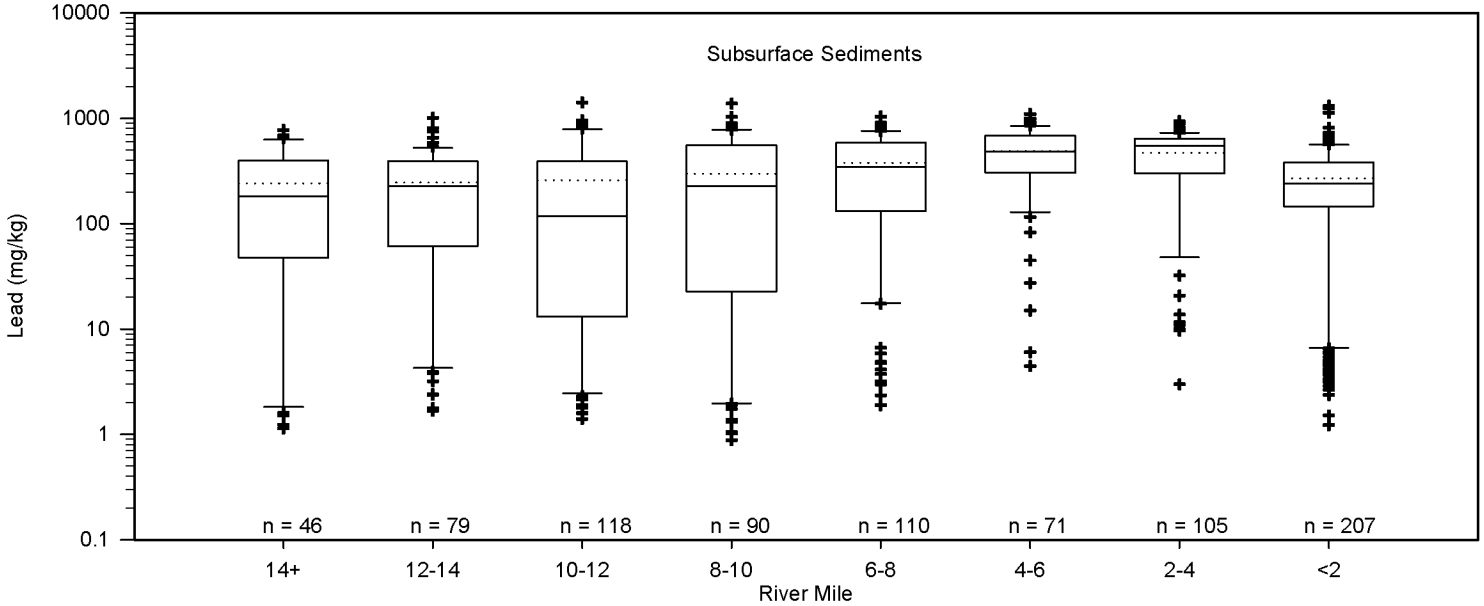
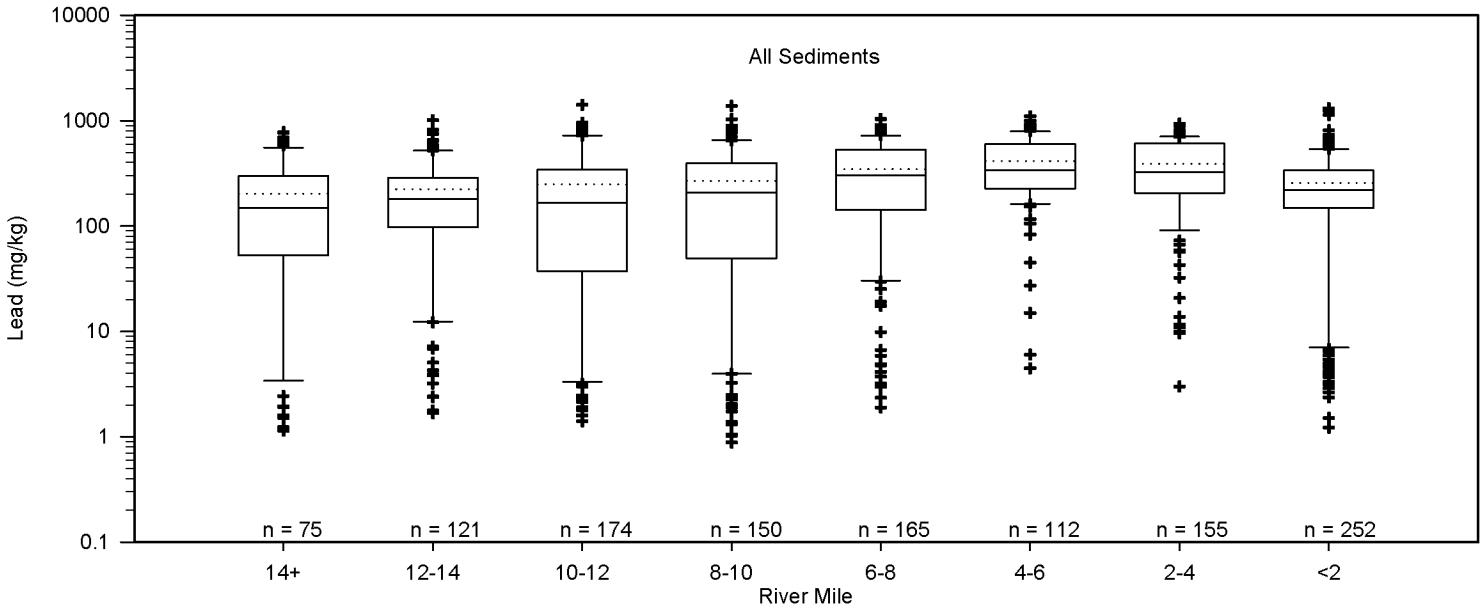
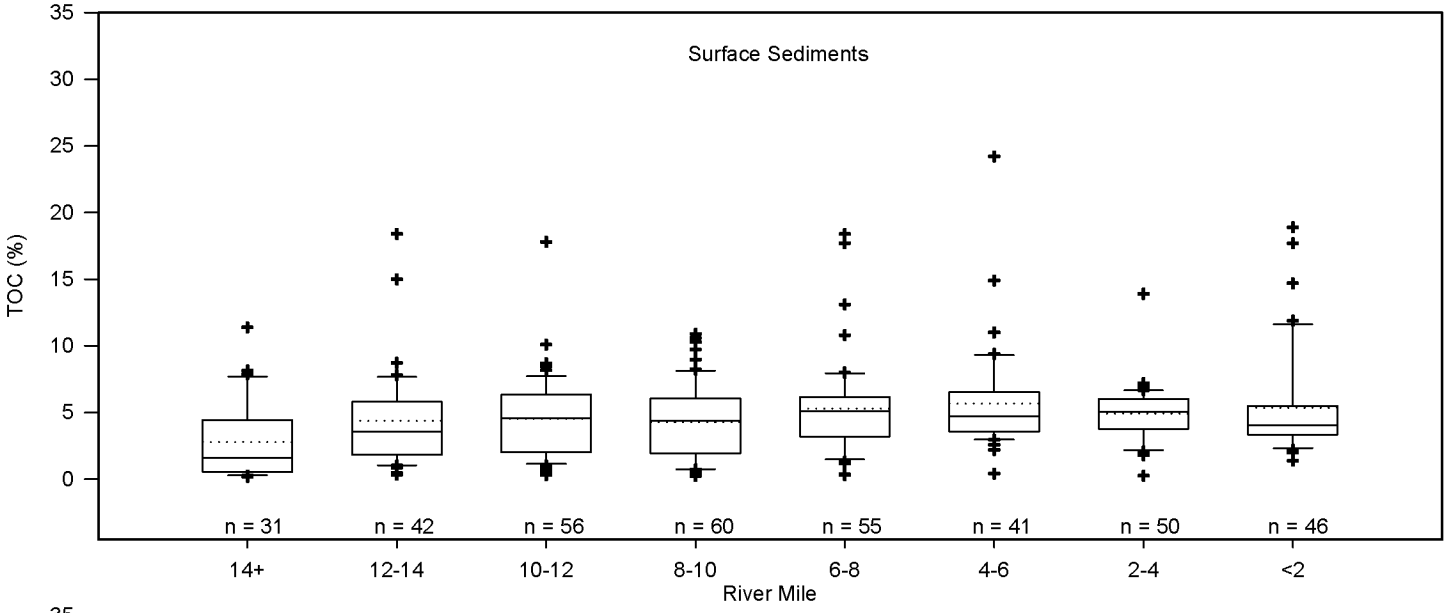
3-1.l Box and Whisker Plots: Lead
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

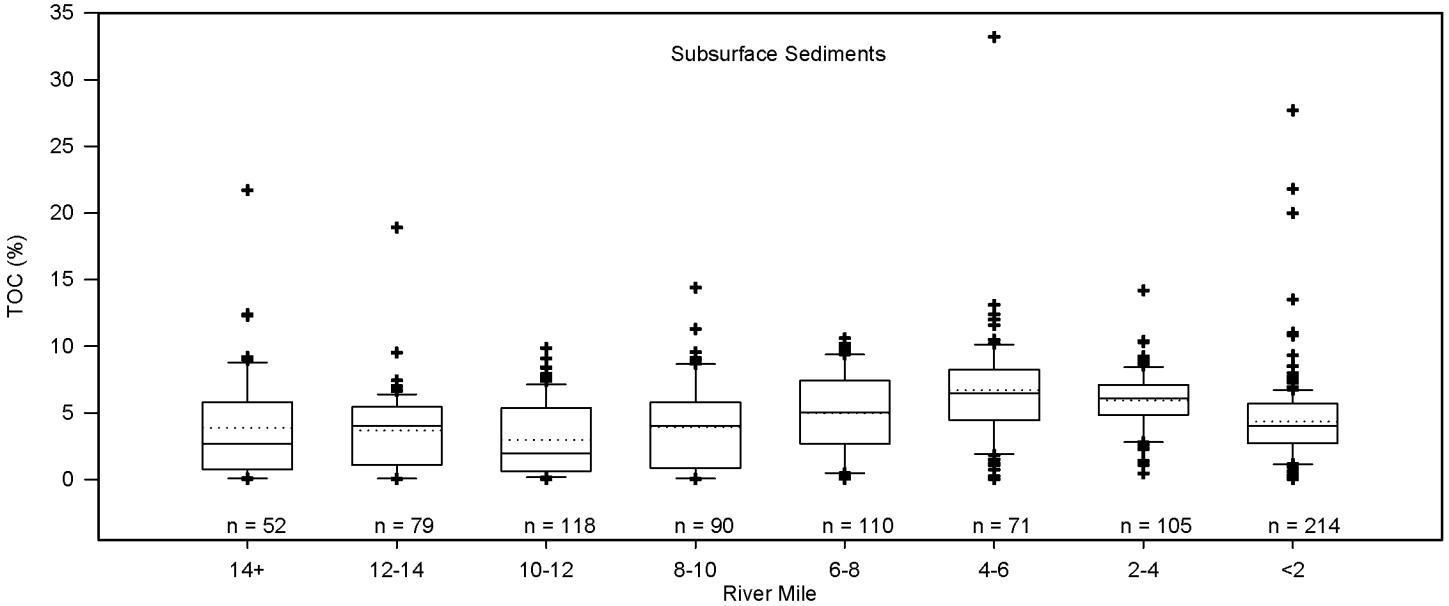


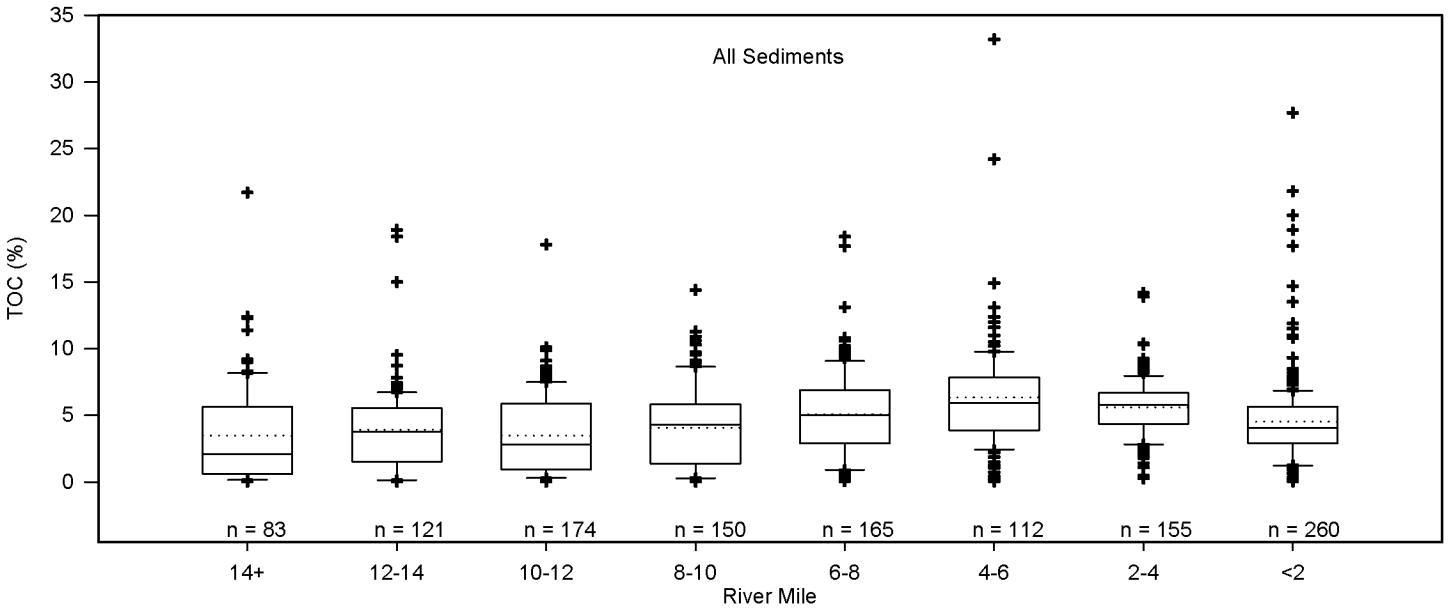




3-1.m Box and Whisker Plots: TOC
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)







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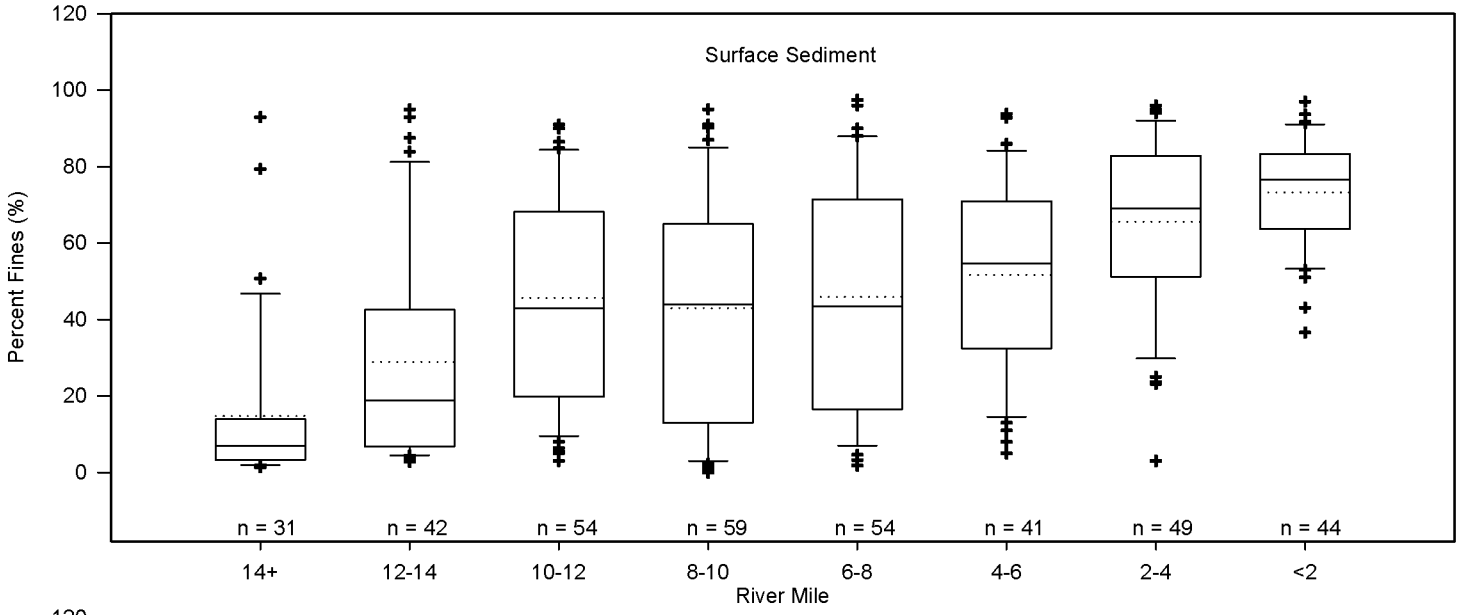
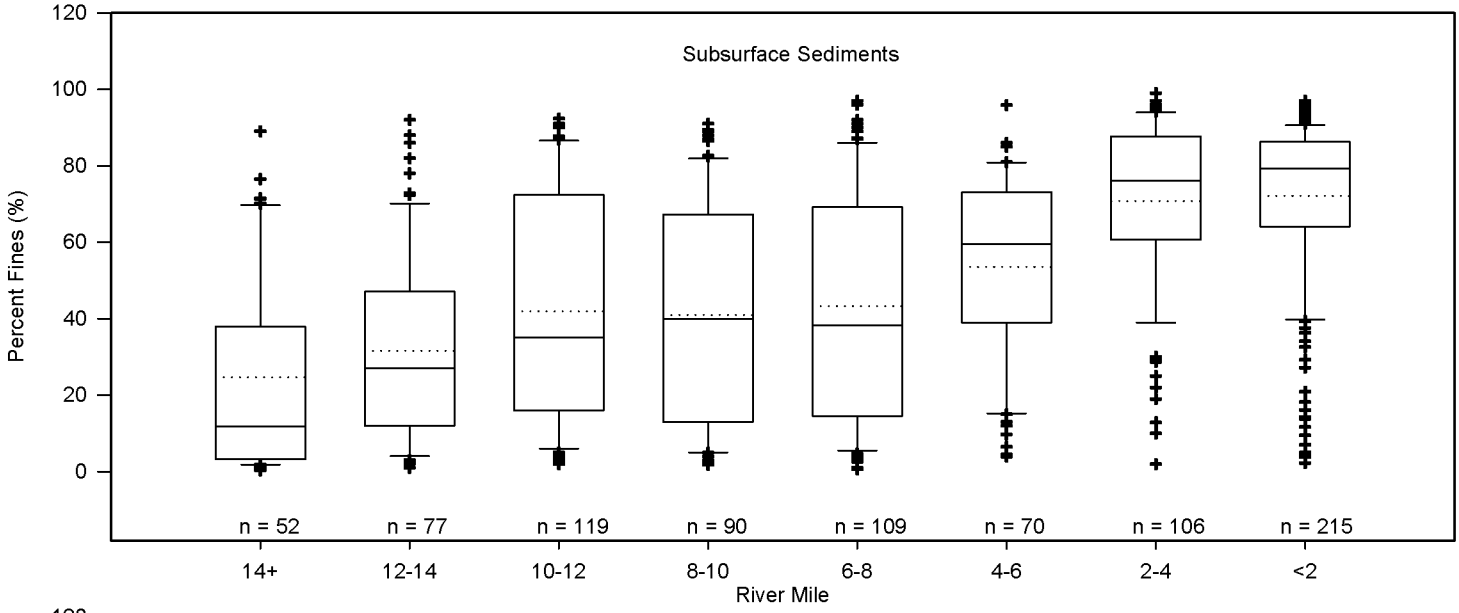
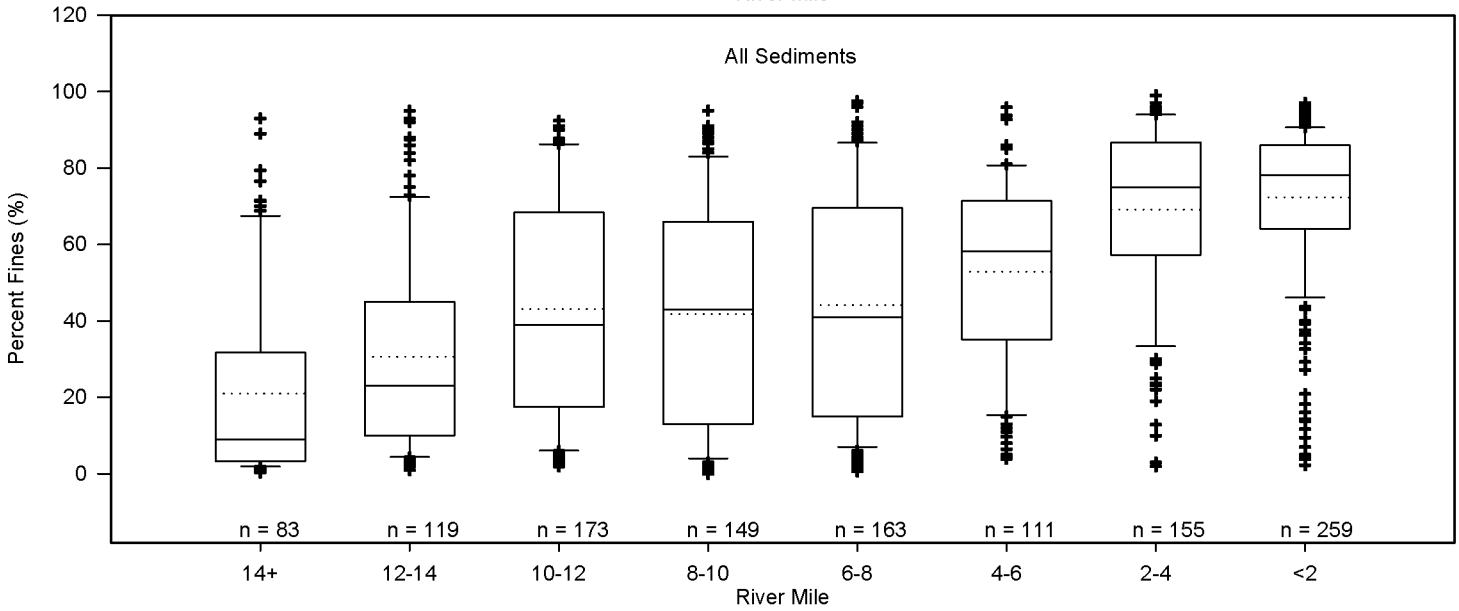
3-1.n Box and Whisker Plots: Percent Fines
LRC, Benthic, LRC SSP, and LRC SSP2 (Passaic River Samples Only)

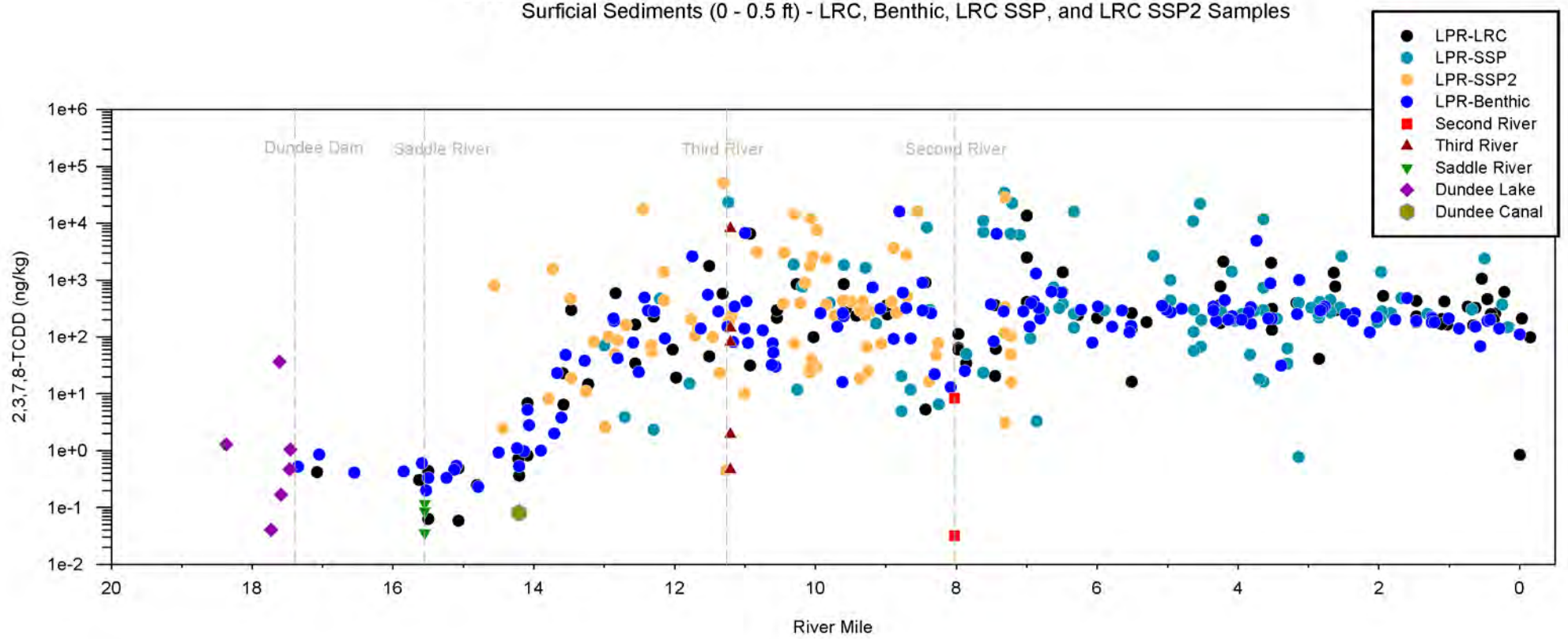


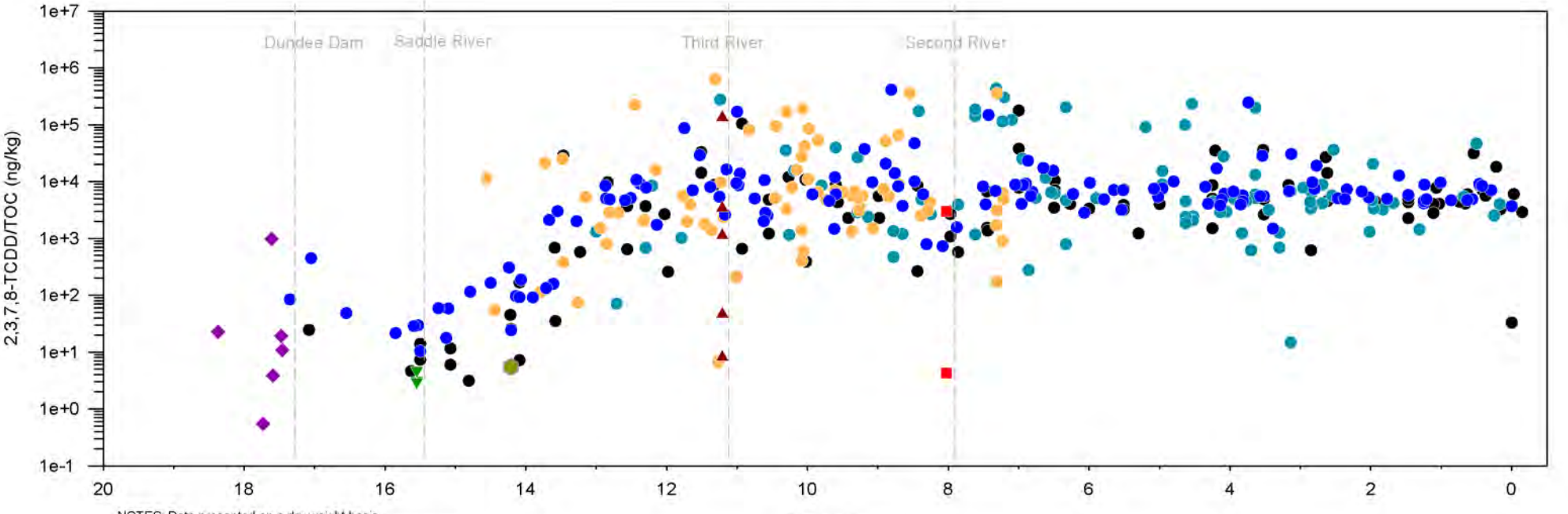




NOTES: Percent Fines = Percent passing the No. 230 Sieve (particle diameter less than 0.066 mm) except 12A-0424 and benthic.

3-2.a Surficial Concentration vs. River Mile, Log Scale - 2,3,7,8-TCDD
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

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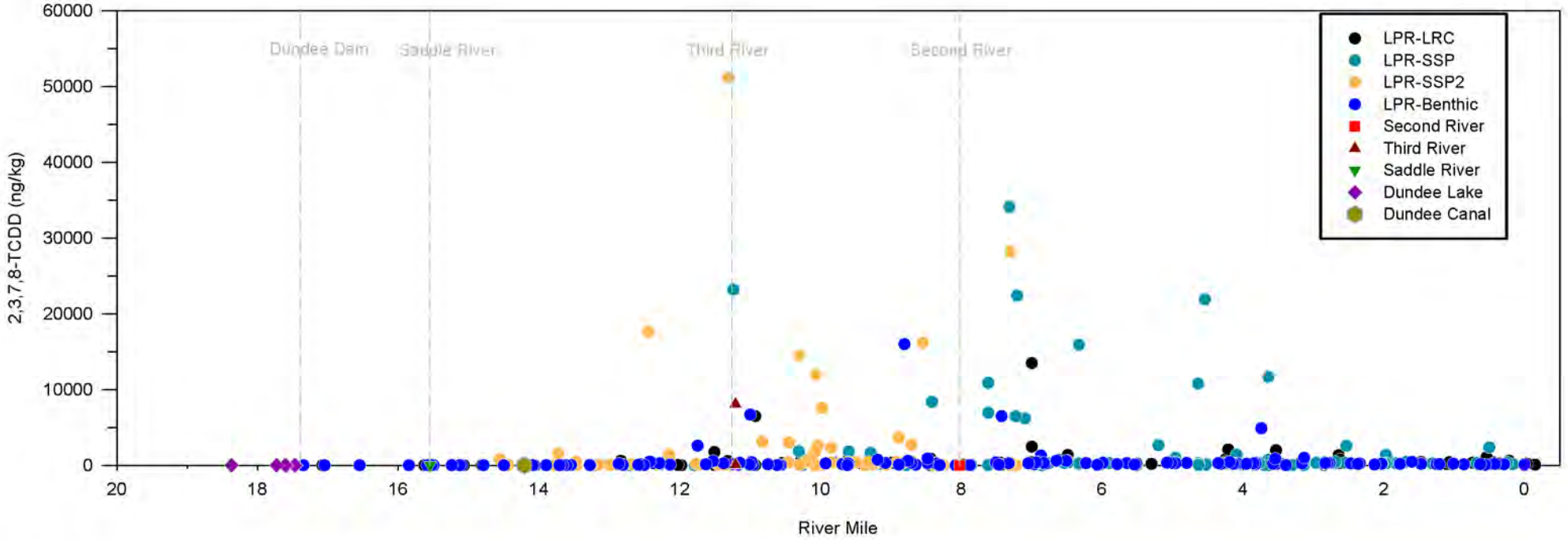
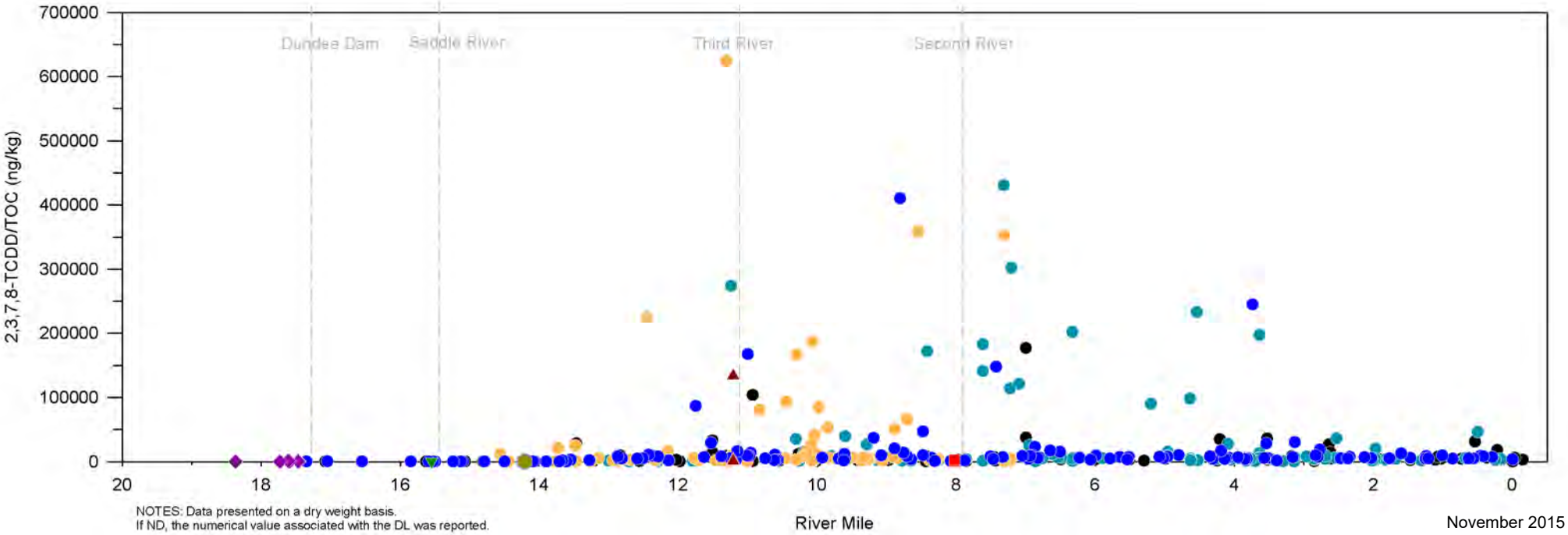
3-2.b Surficial Concentration vs. River Mile, Linear Scale - 2,3,7,8-TCDD
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

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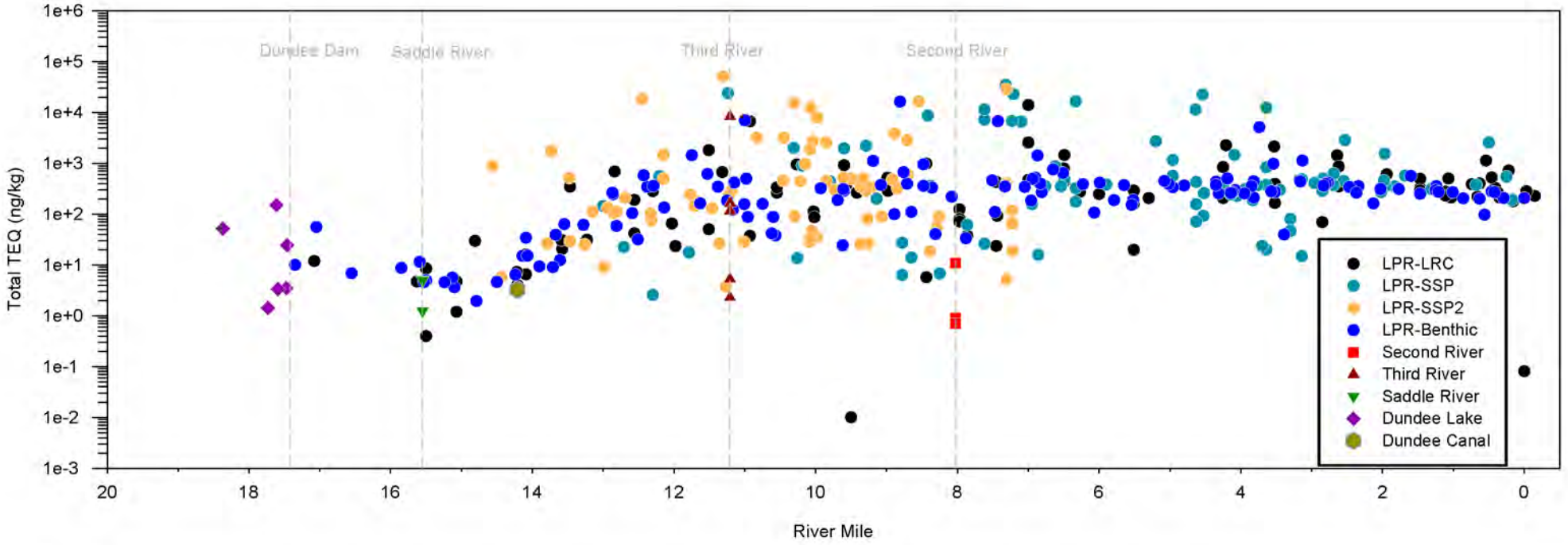
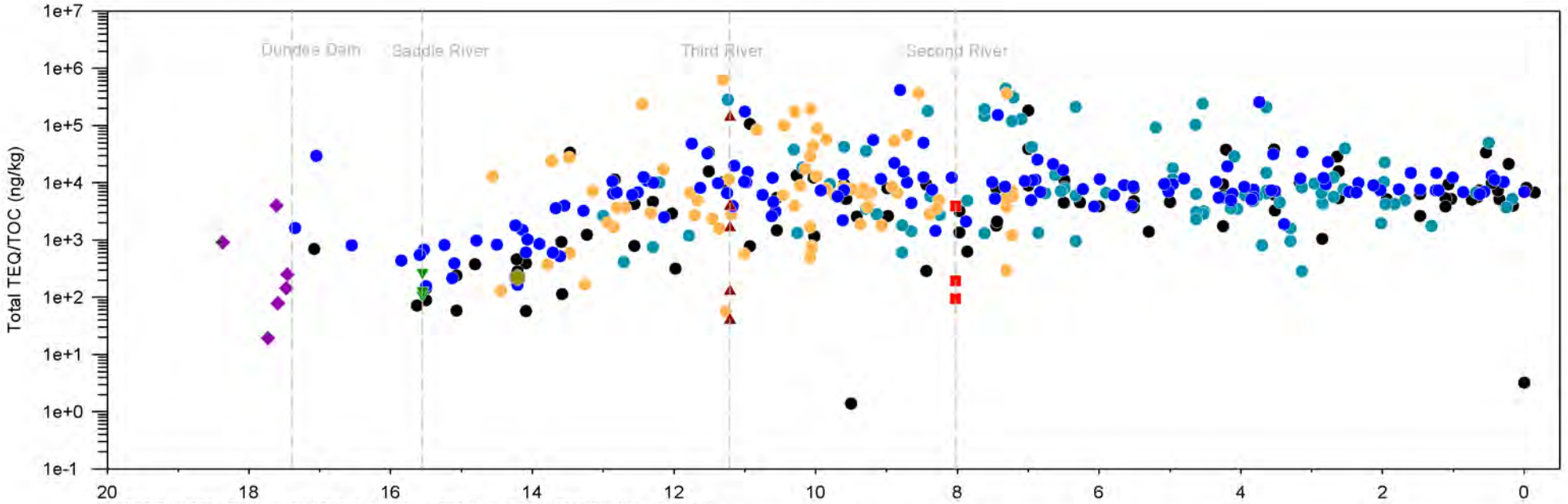
3-2.c Surficial Concentration vs. River Mile, Log Scale - Total TEQ
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects or the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF (see Table 3-1).
Data presented on a dry weight basis.

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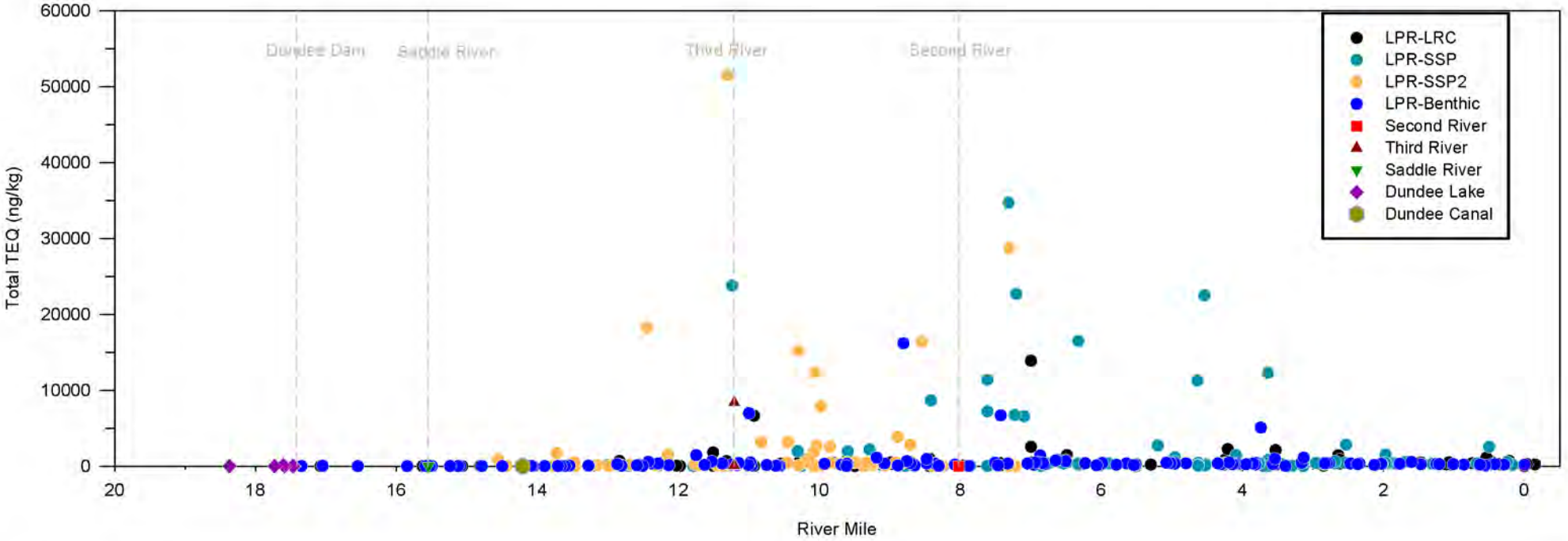
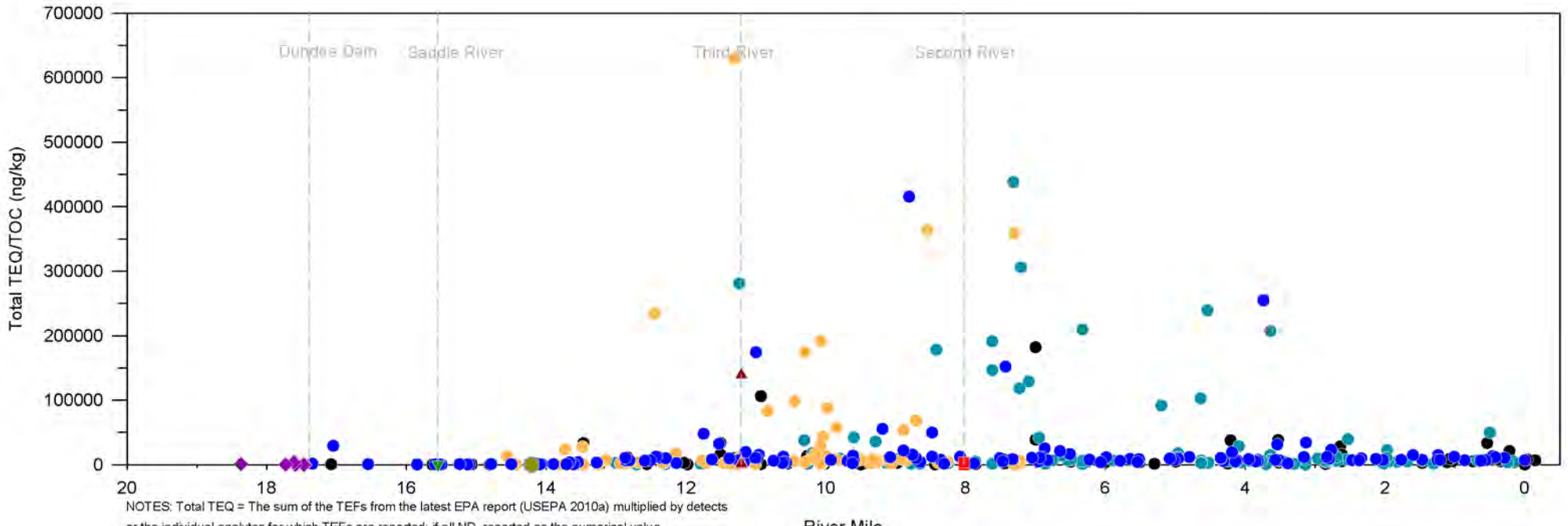
3-2.d Surficial Concentration vs. River Mile, Linear Scale - Total TEQ
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects or the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF (see Table 3-1).
Data presented on a dry weight basis.

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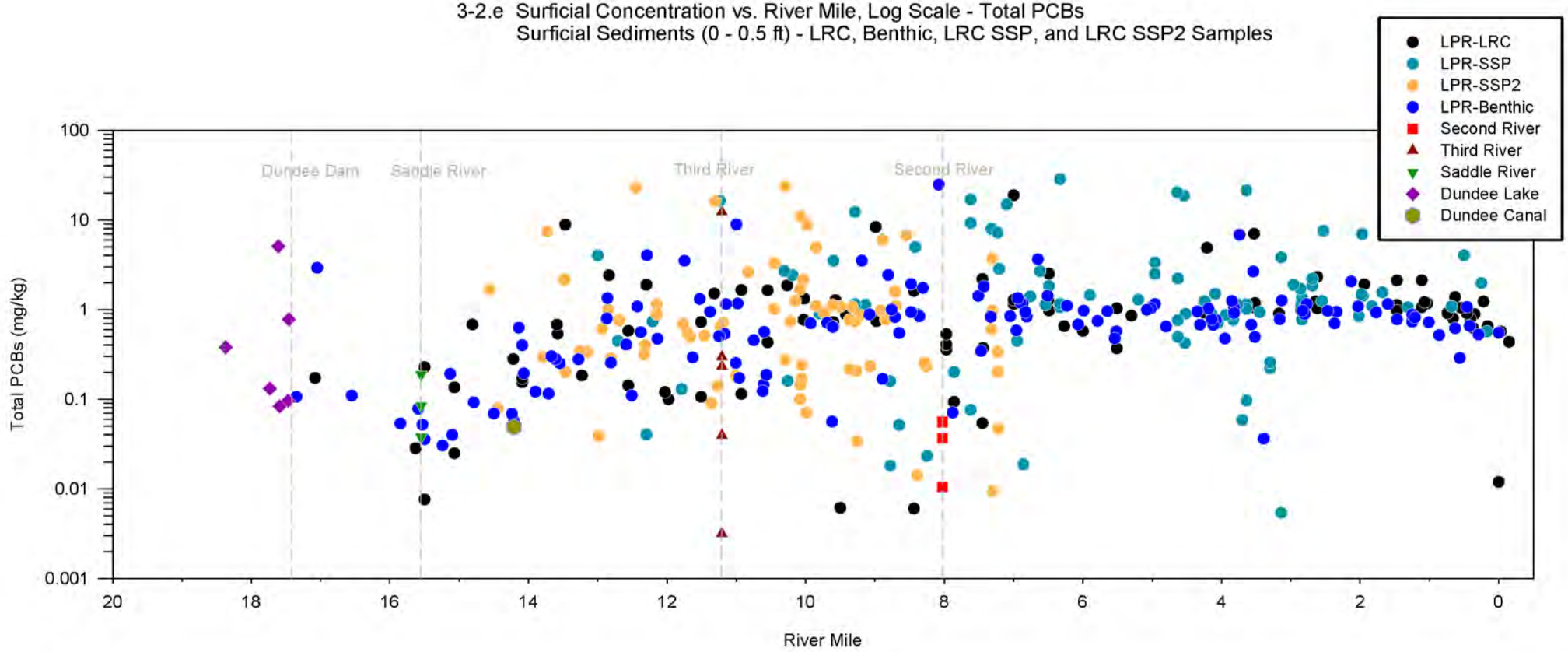
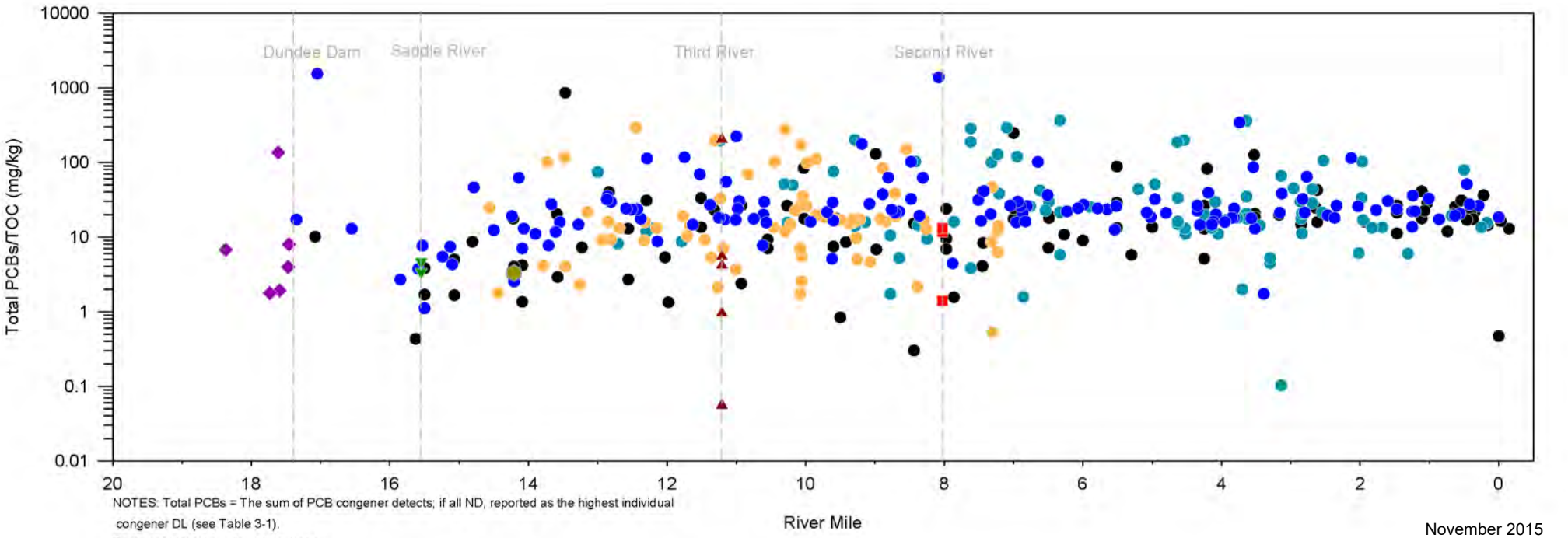
3-2.e Surficial Concentration vs. River Mile, Log Scale - Total PCBs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL (see Table 3-1).
Data presented on a dry weight basis.

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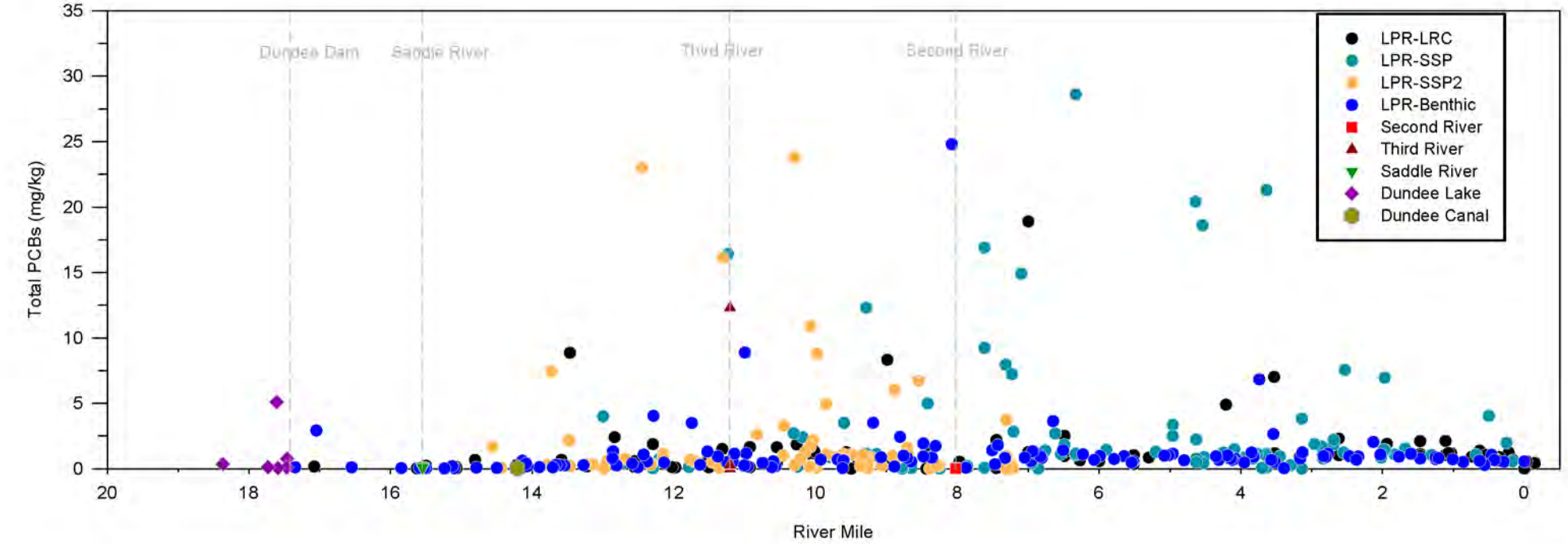
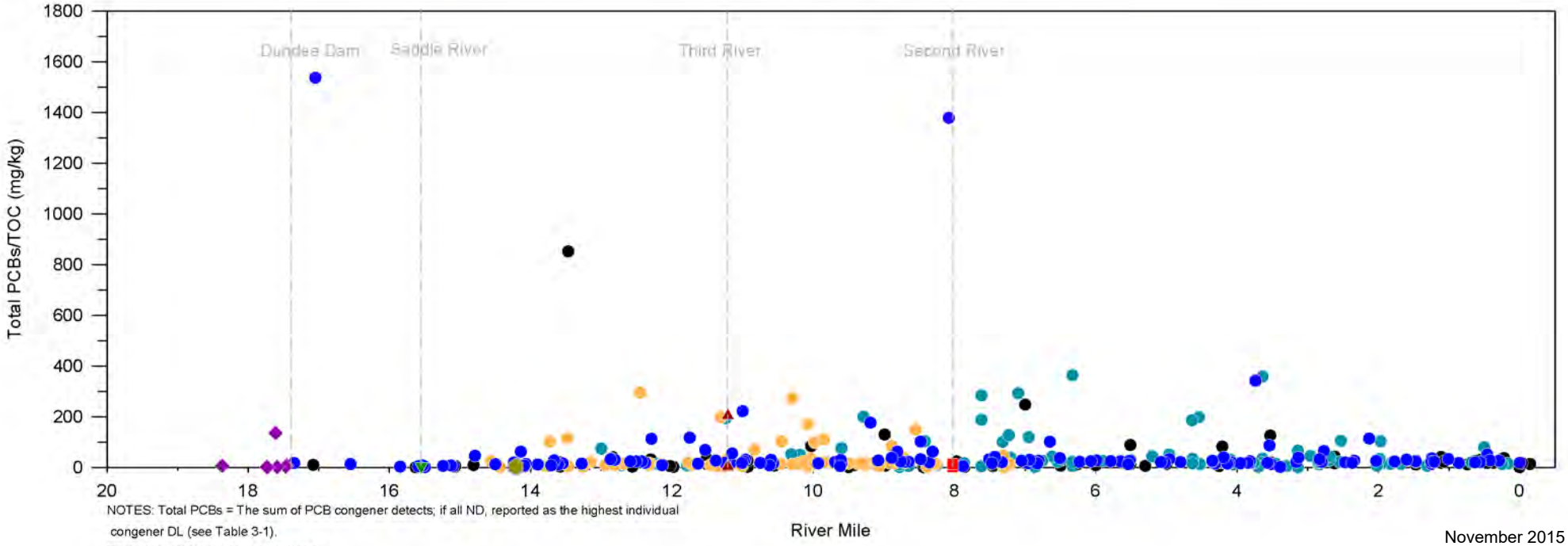
3-2.f Surficial Concentration vs. River Mile, Linear Scale - Total PCBs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL (see Table 3-1).
Data presented on a dry weight basis.

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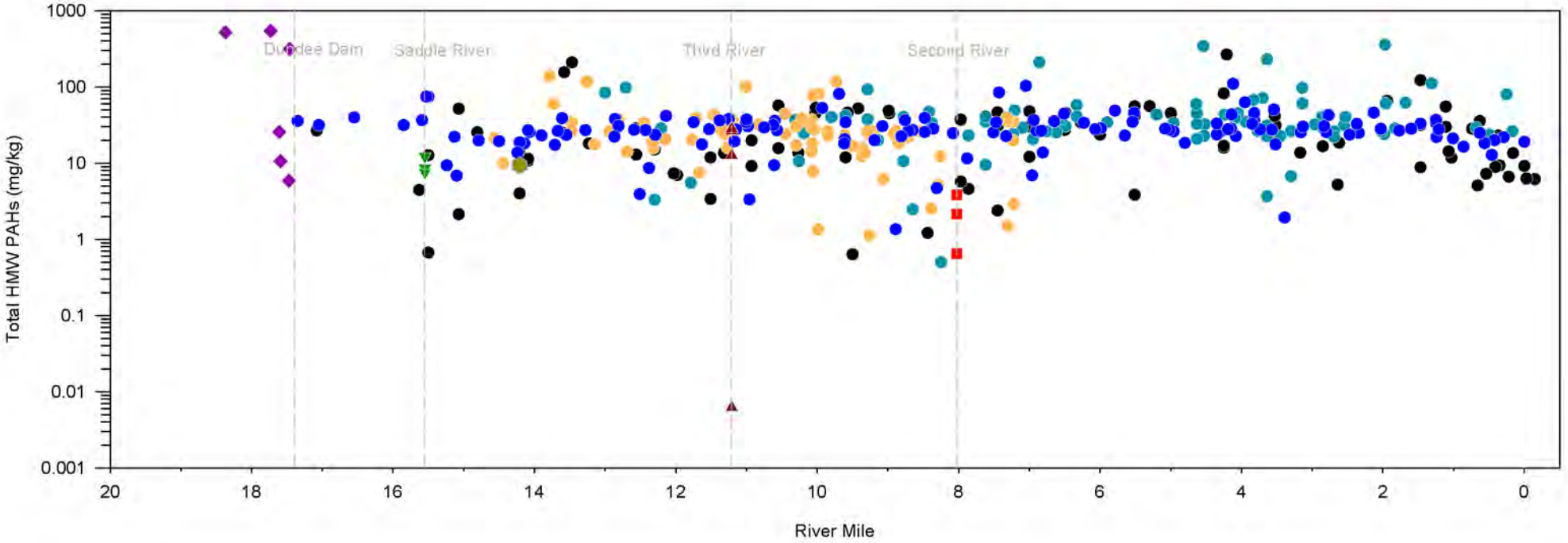
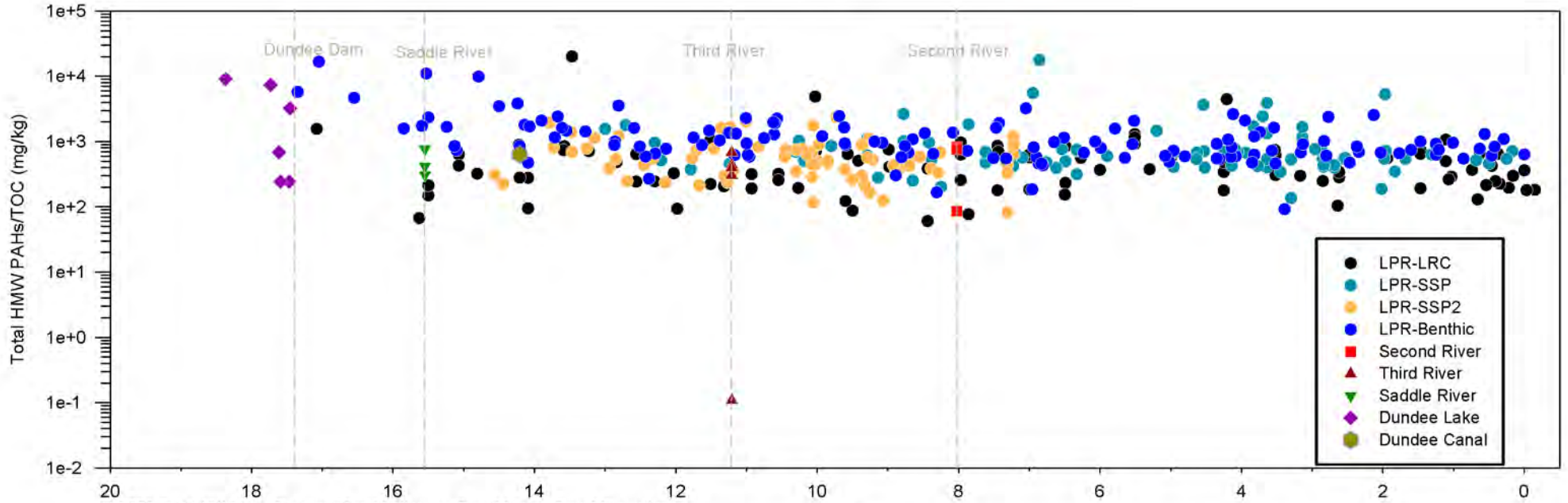
3-2.g Surficial Concentration vs. River Mile, Log Scale - Total HMW PAHs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Total HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

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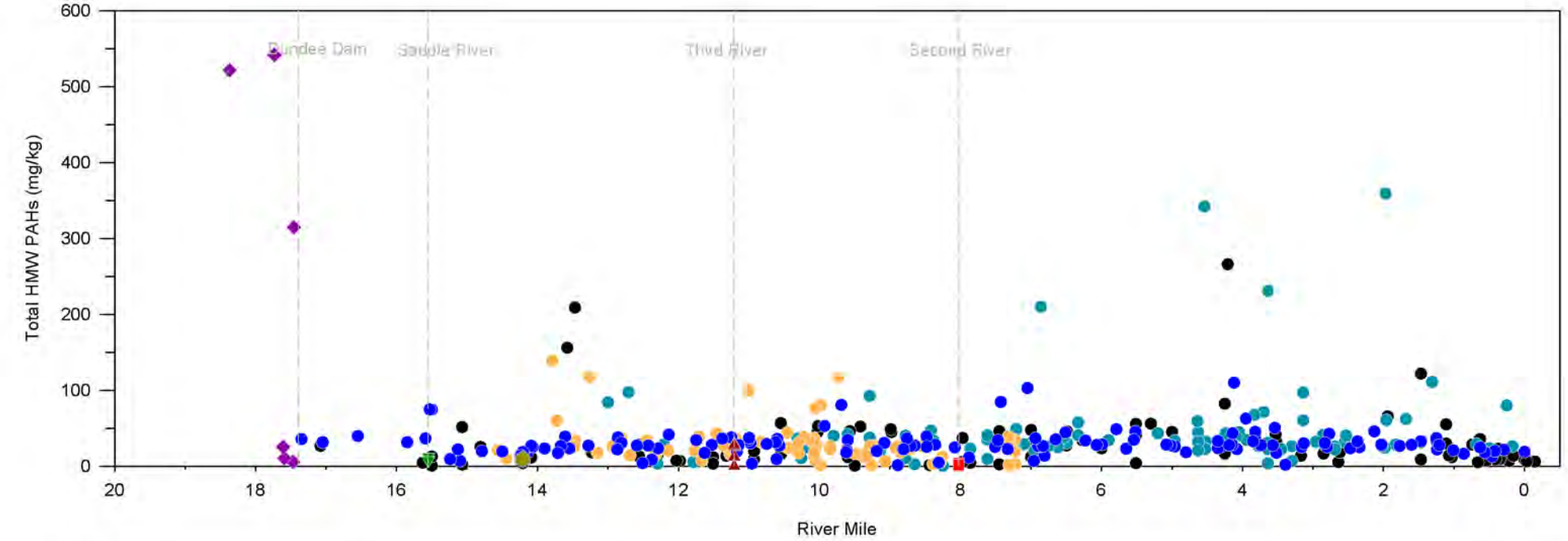
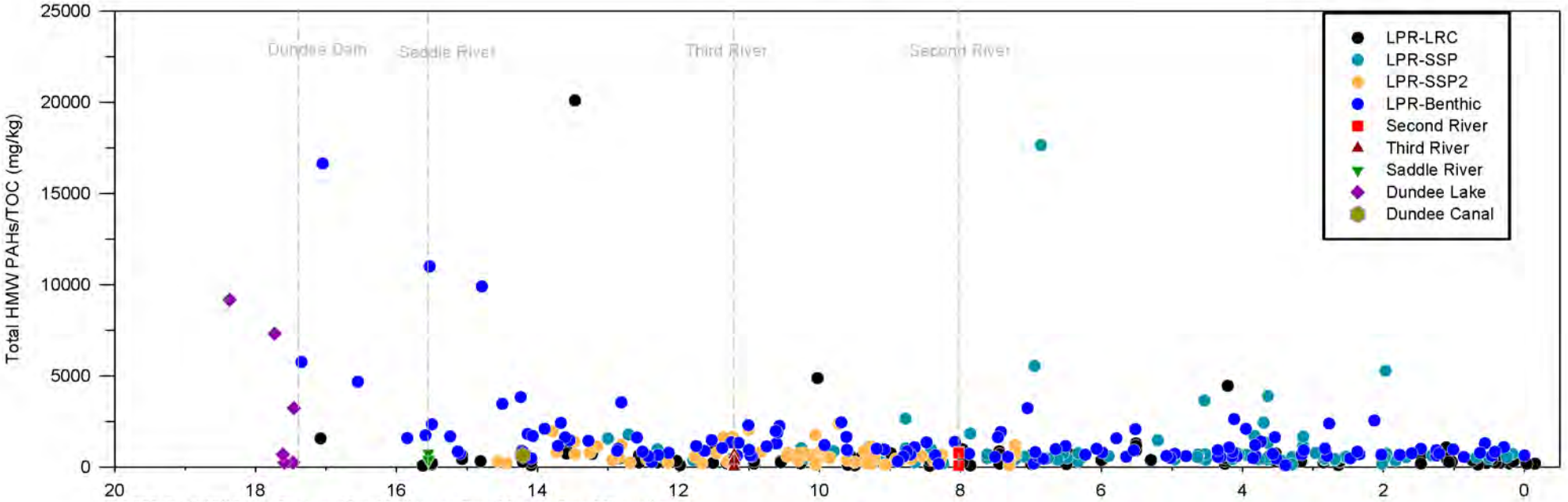
3-2.h Surficial Concentration vs. River Mile, Linear Scale - Total HMW PAHs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

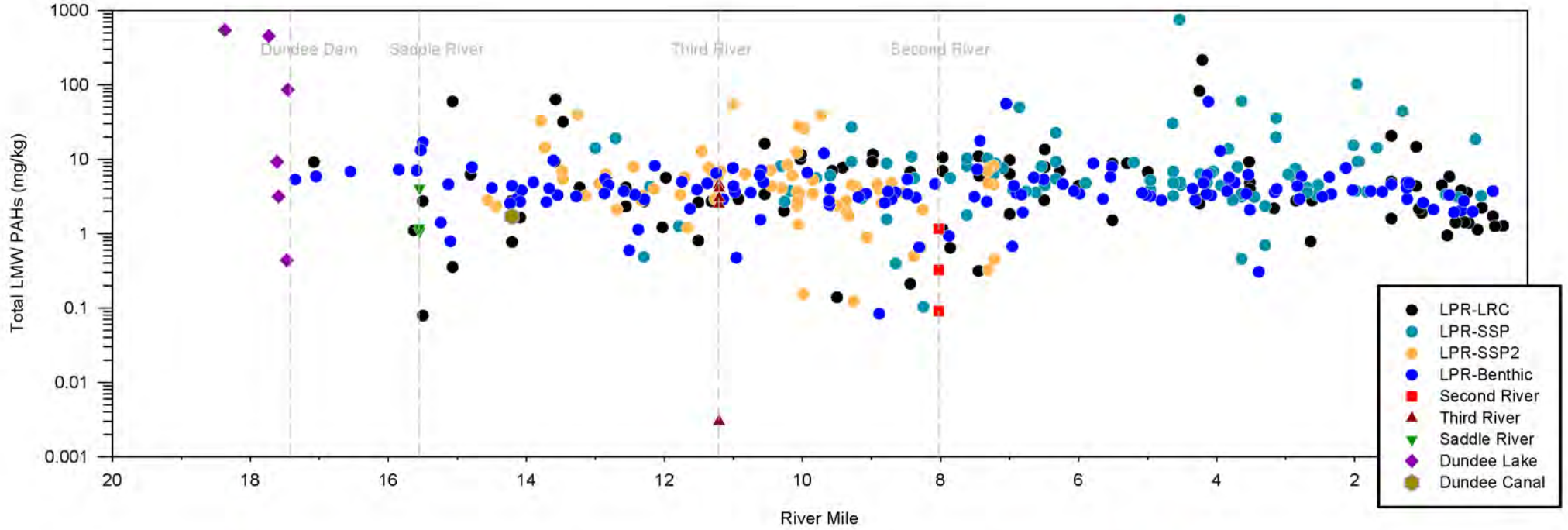


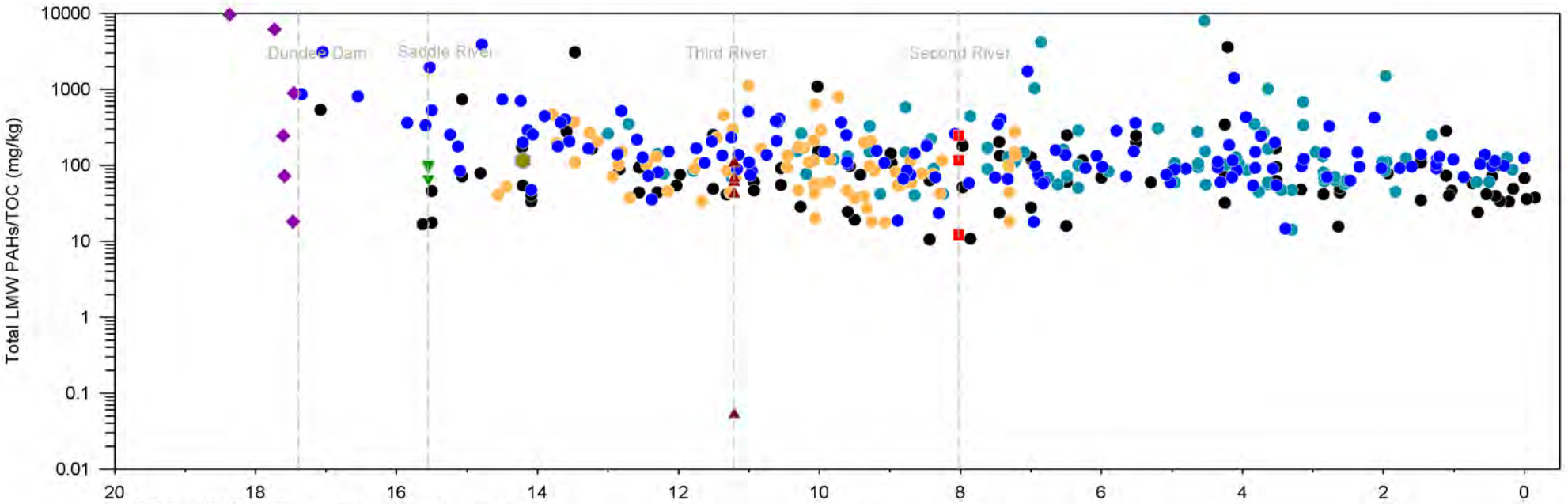


NOTES: Total HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

November 2015

3-2.i Surficial Concentration vs. River Mile, Log Scale - Total LMW PAHs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

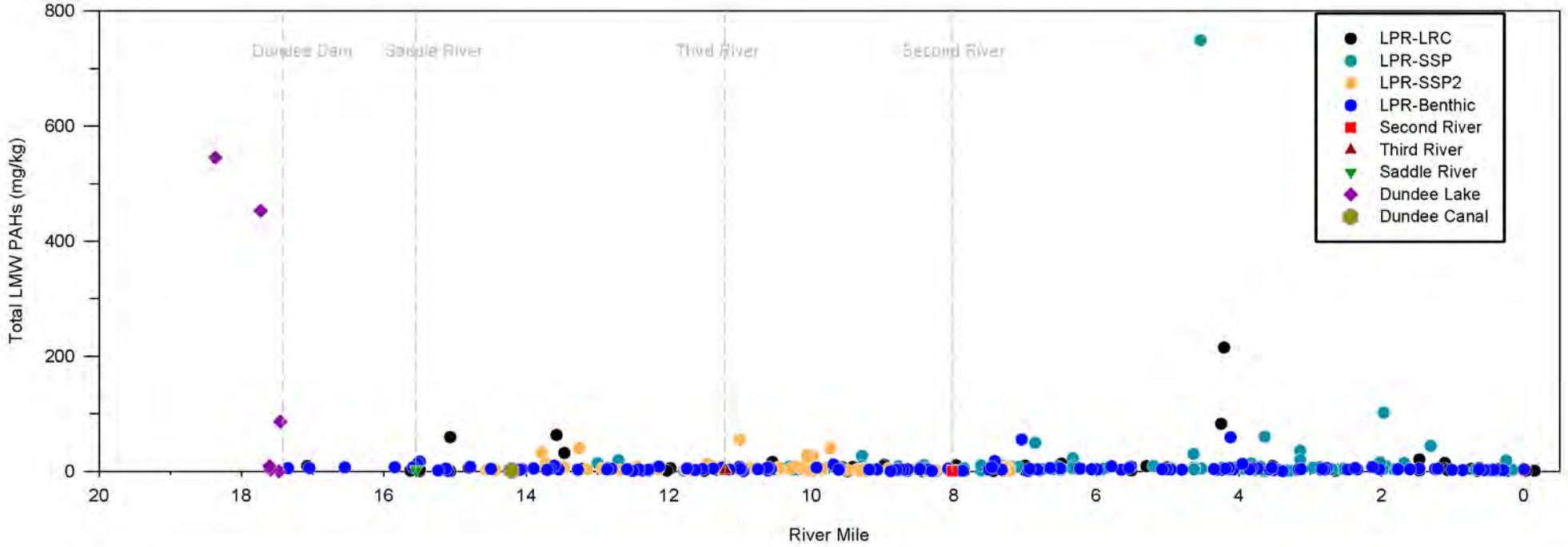


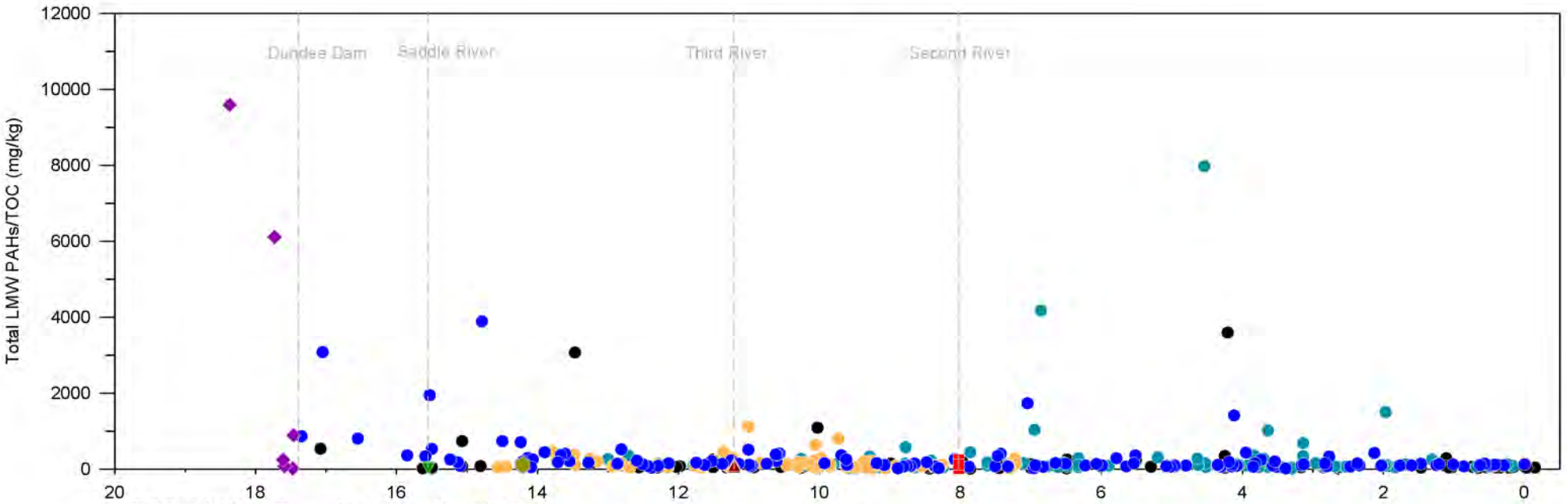


NOTES: Total LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

November 2015

3-2.j Surficial Concentration vs. River Mile, Linear Scale - Total LMW PAHs
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

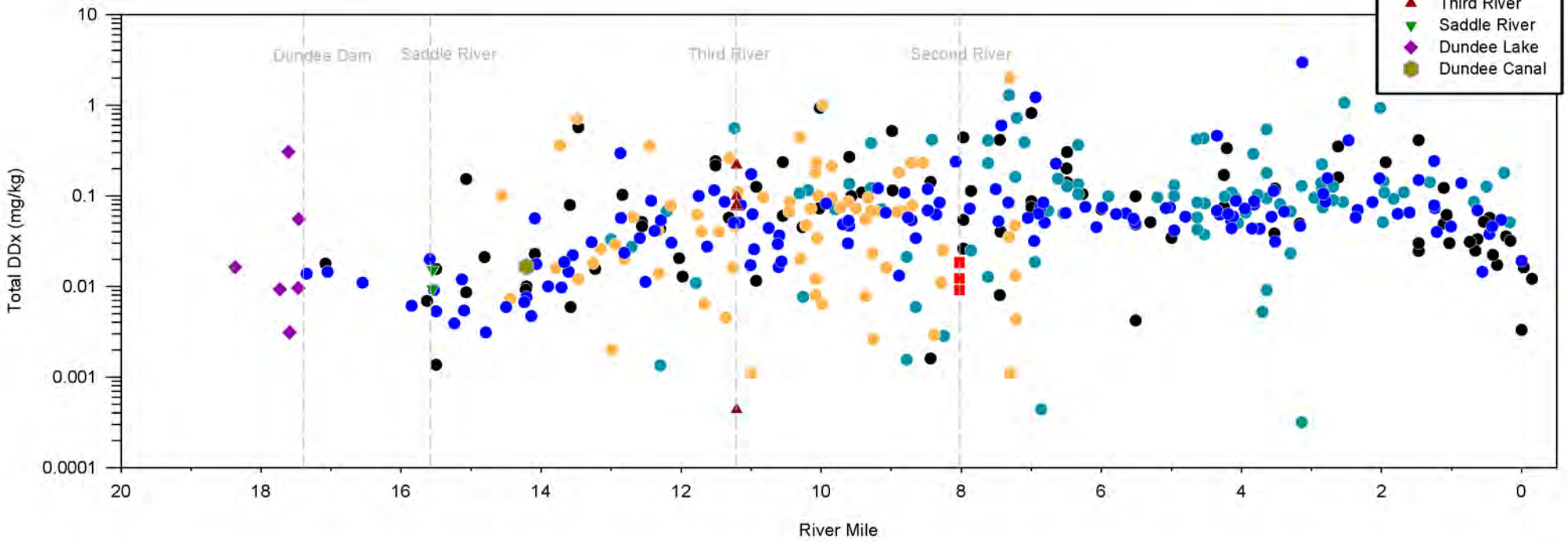


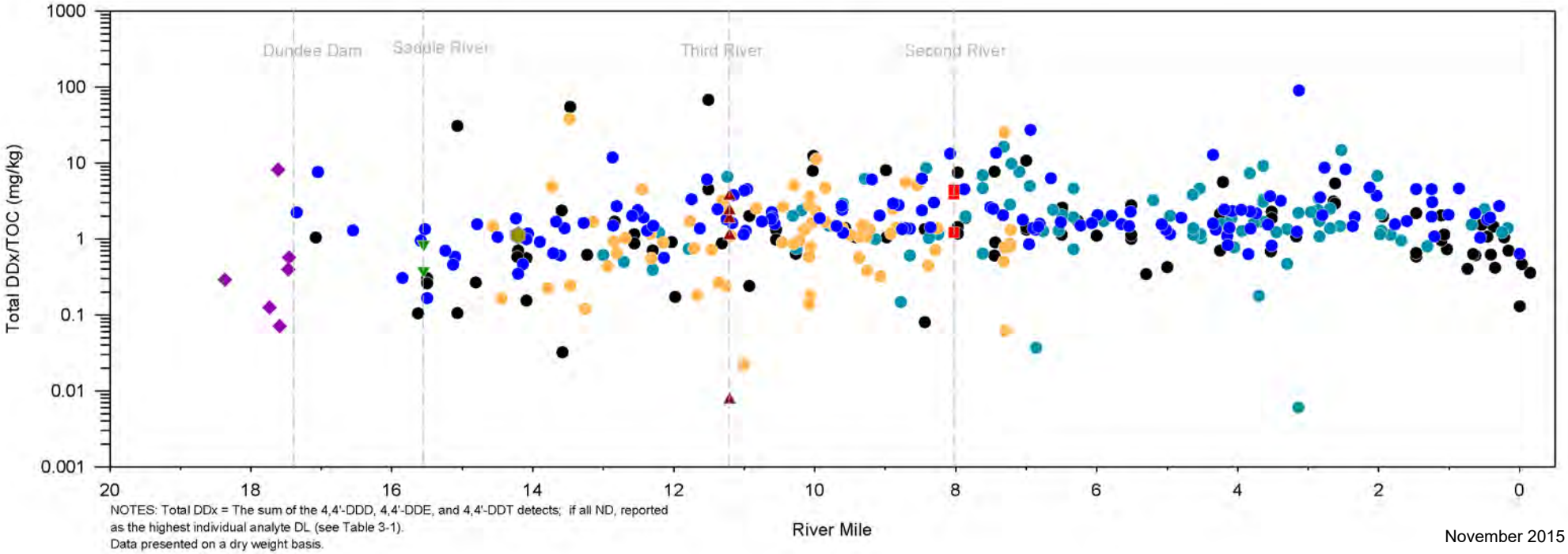


NOTES: Total LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

November 2015

3-2.k Surficial Concentration vs. River Mile, Log Scale - Total DDx
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

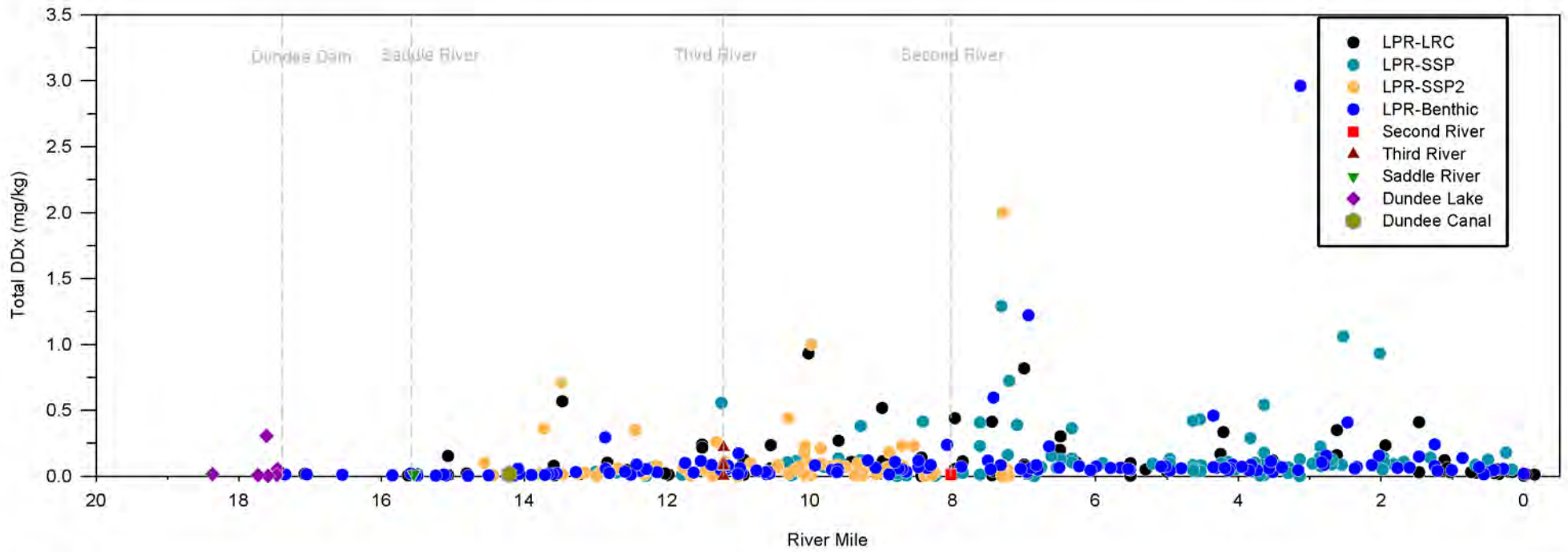


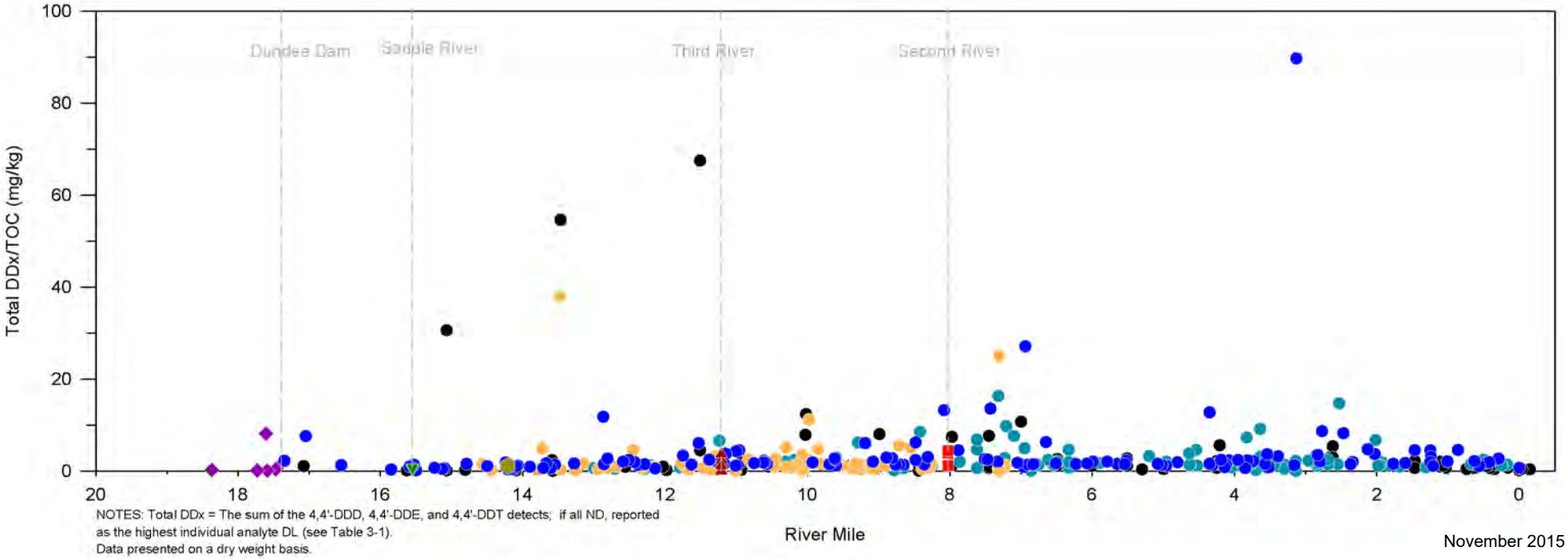


NOTES: Total DDx = The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

November 2015

3-2.l Surficial Concentration vs. River Mile, Linear Scale - Total DDx
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

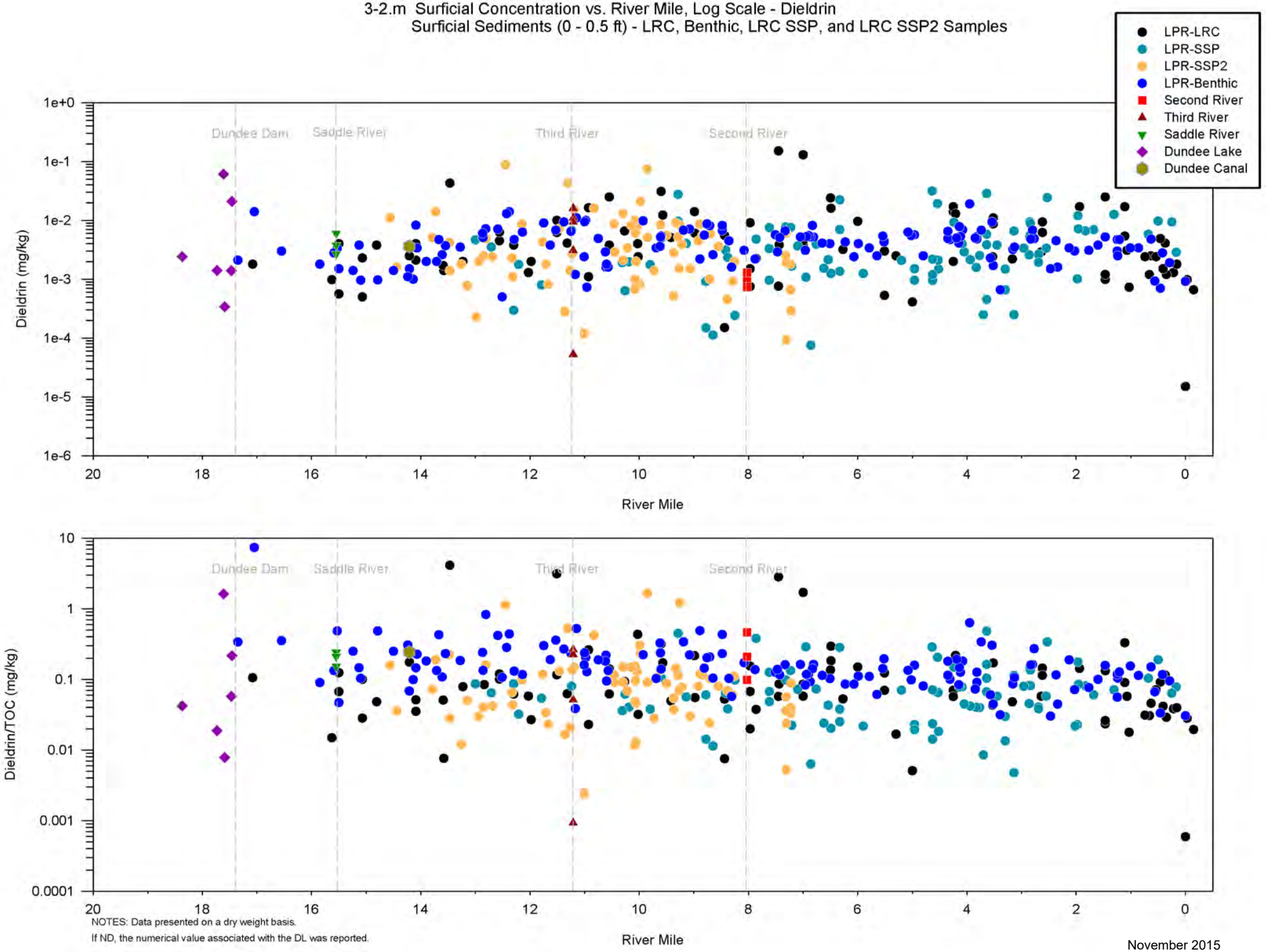




NOTES: Total DDx = The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).
Data presented on a dry weight basis.

November 2015

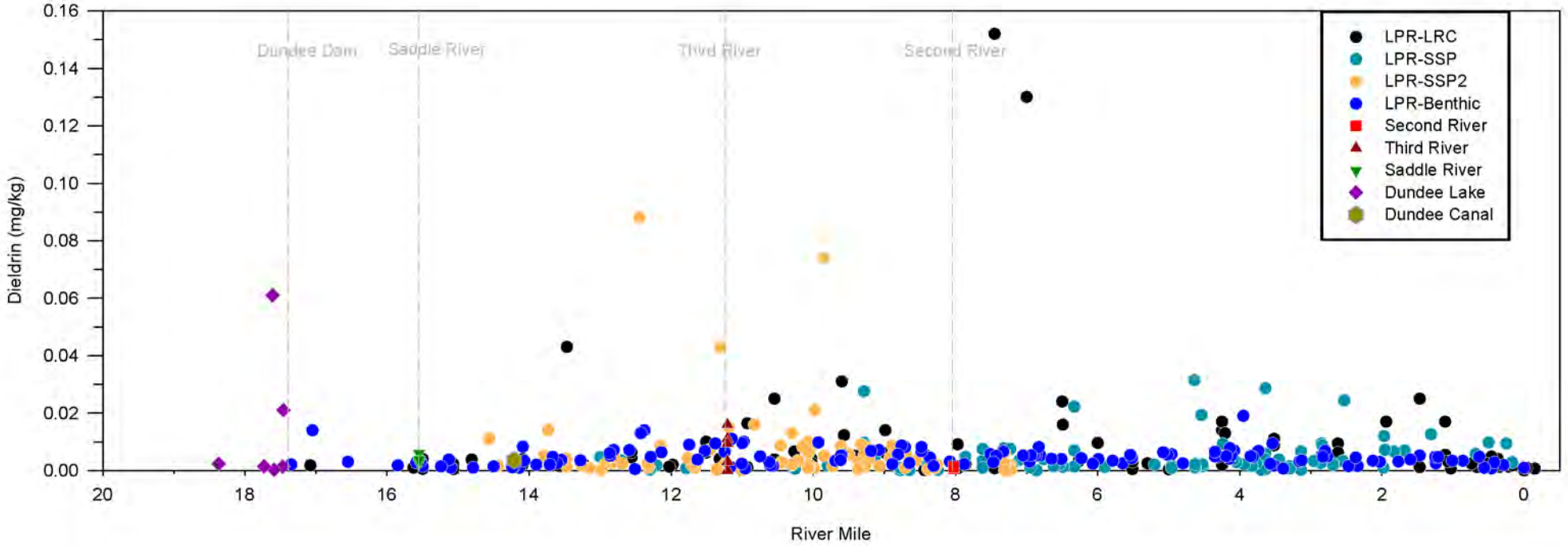
3-2.m Surficial Concentration vs. River Mile, Log Scale - Dieldrin
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

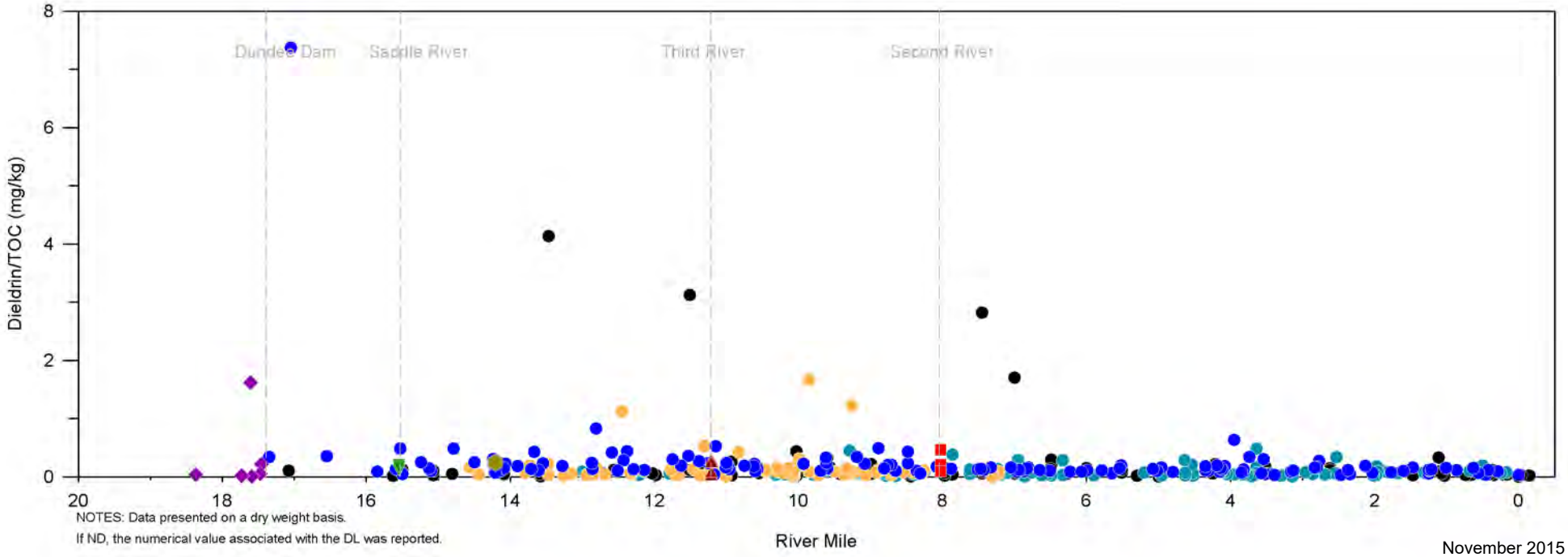


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.n Surficial Concentration vs. River Mile, Linear Scale - Dieldrin
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

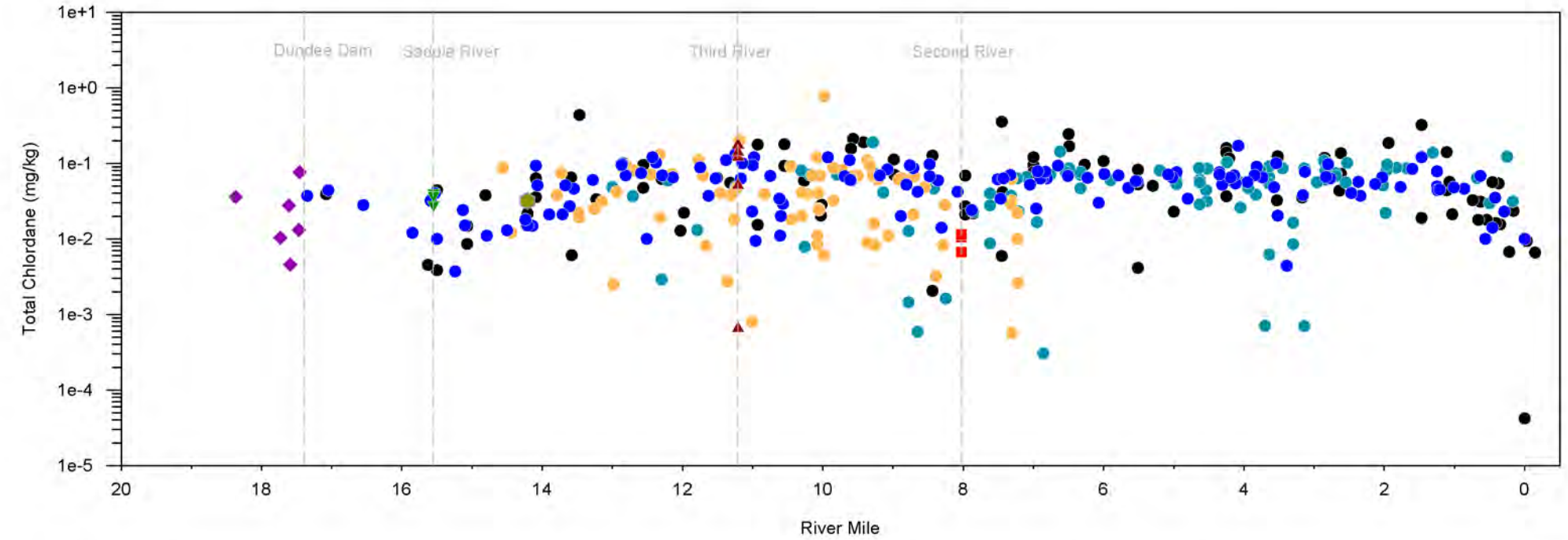


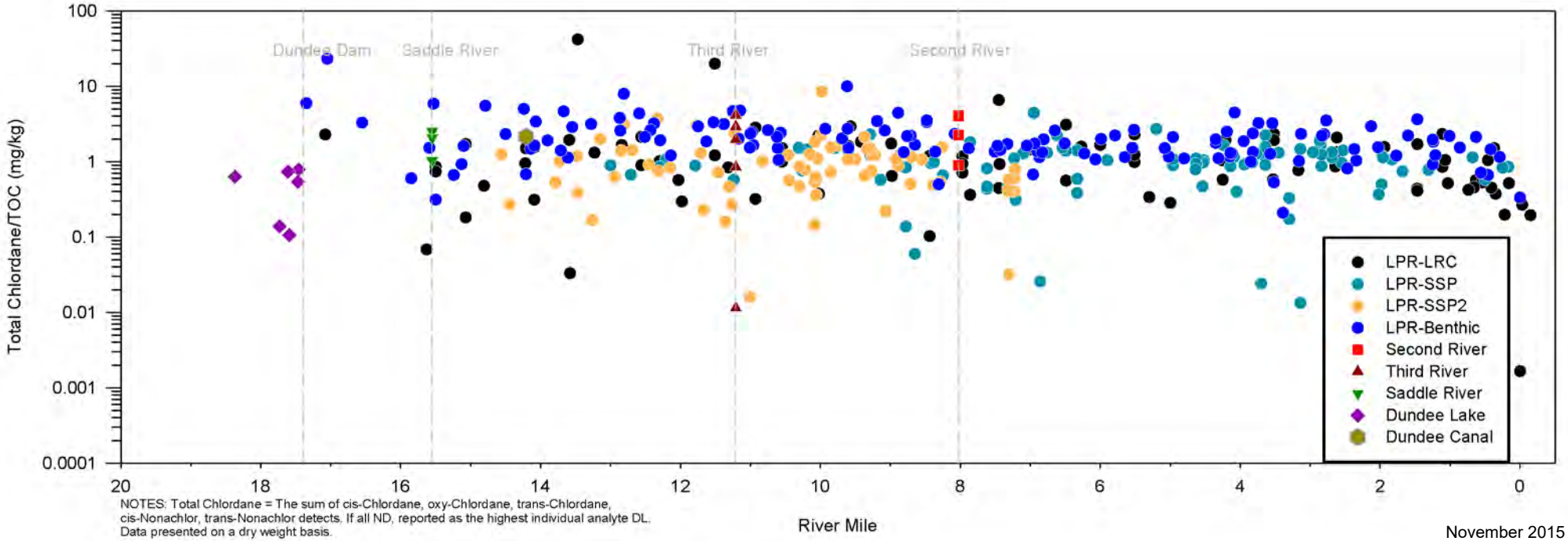


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.o Surficial Concentration vs. River Mile, Log Scale - Total Chlordane
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

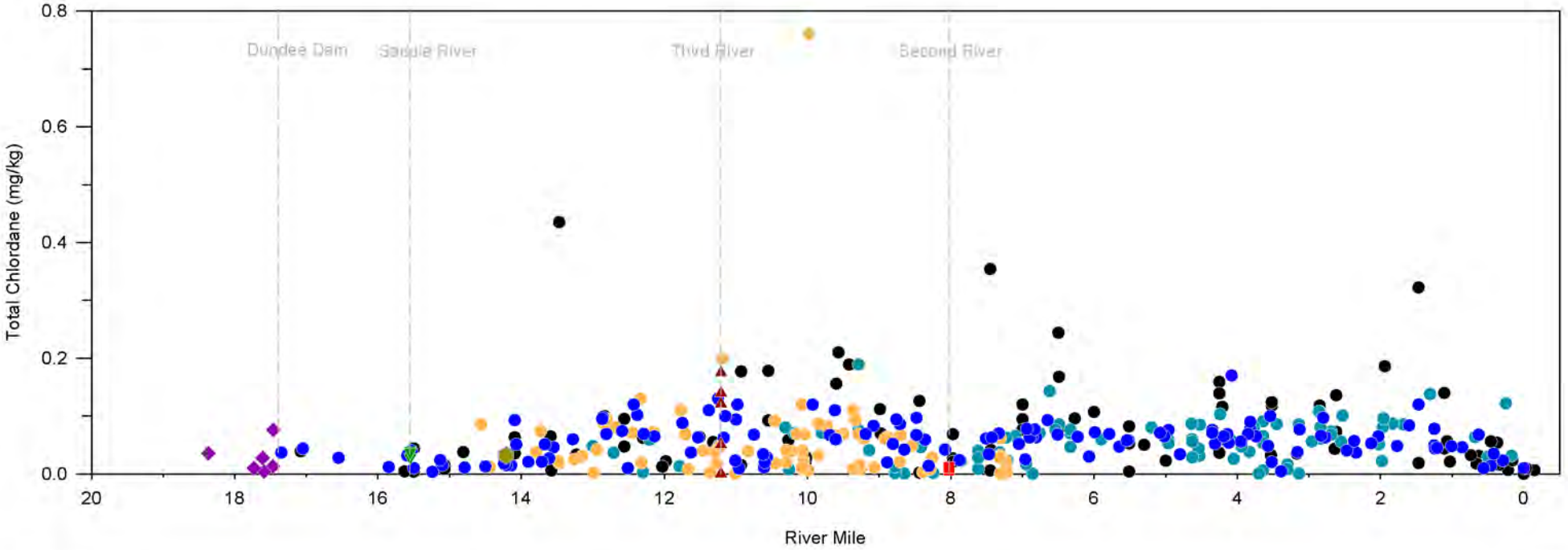


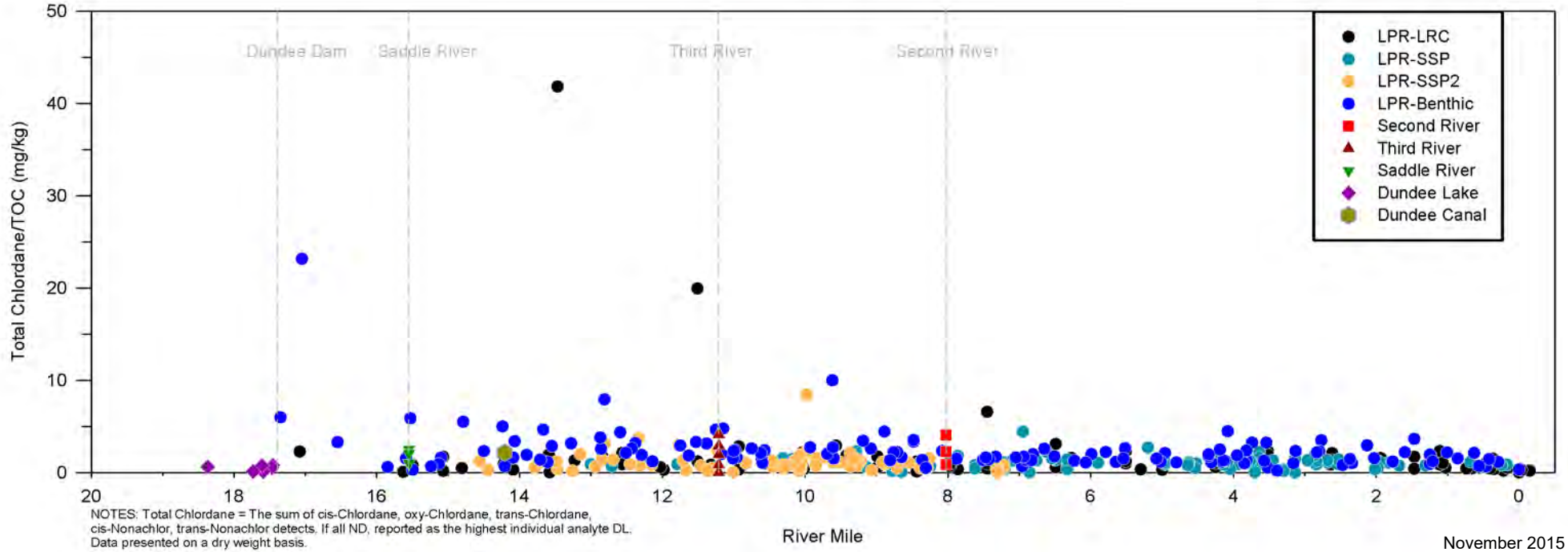


NOTES: Total Chlordane = The sum of cis-Chlordane, oxy-Chlordane, trans-Chlordane, cis-Nonachlor, trans-Nonachlor detects. If all ND, reported as the highest individual analyte DL. Data presented on a dry weight basis.

November 2015

3-2.p Surficial Concentration vs. River Mile, Linear Scale - Total Chlordane
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

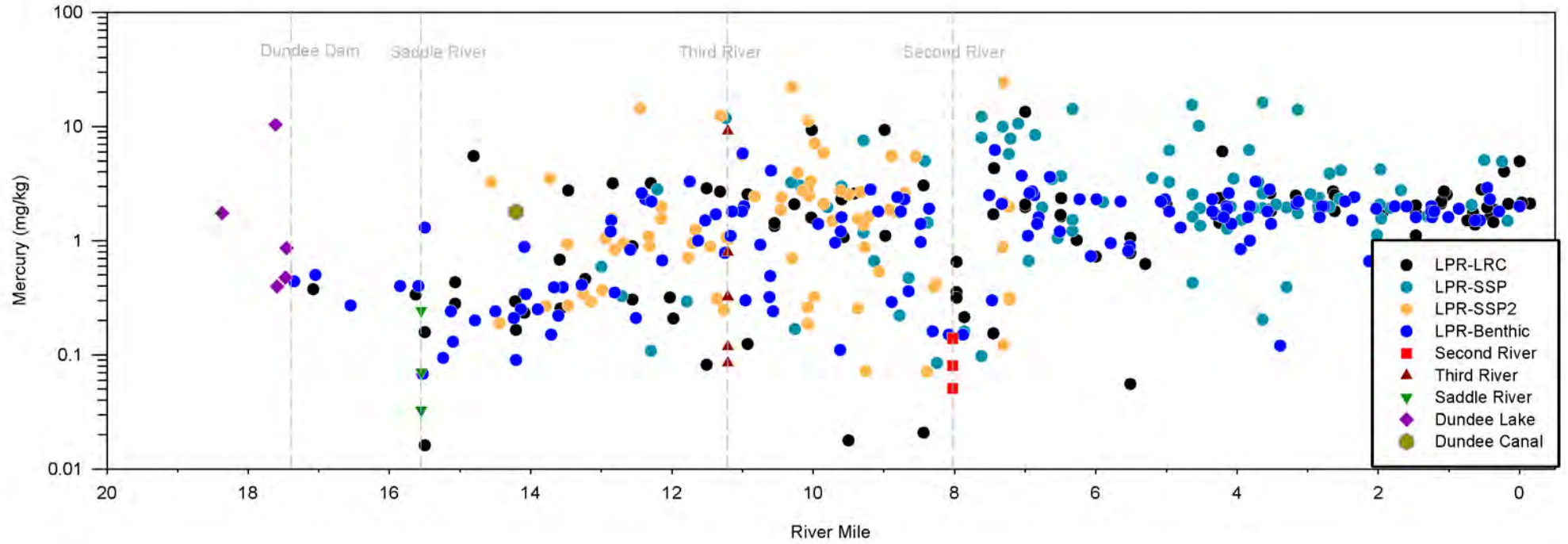


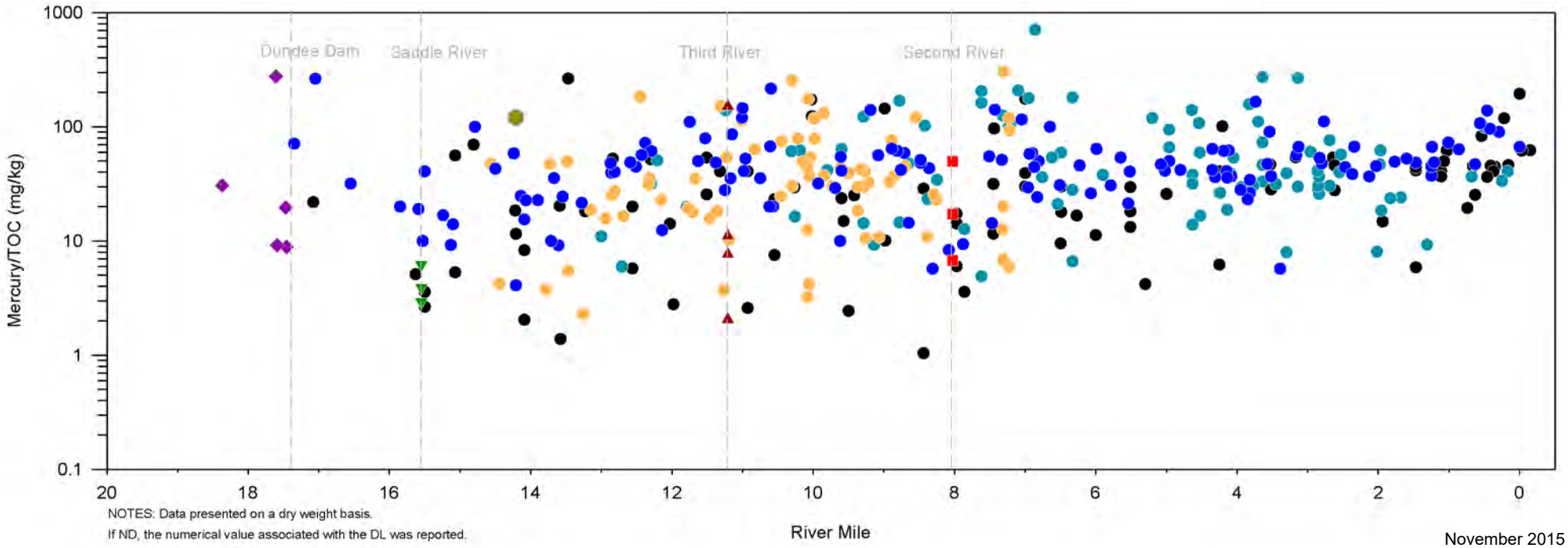


NOTES: Total Chlordane = The sum of cis-Chlordane, oxy-Chlordane, trans-Chlordane, cis-Nonachlor, trans-Nonachlor detects. If all ND, reported as the highest individual analyte DL. Data presented on a dry weight basis.

November 2015

3-2.q Surficial Concentration vs. River Mile, Log Scale - Mercury
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

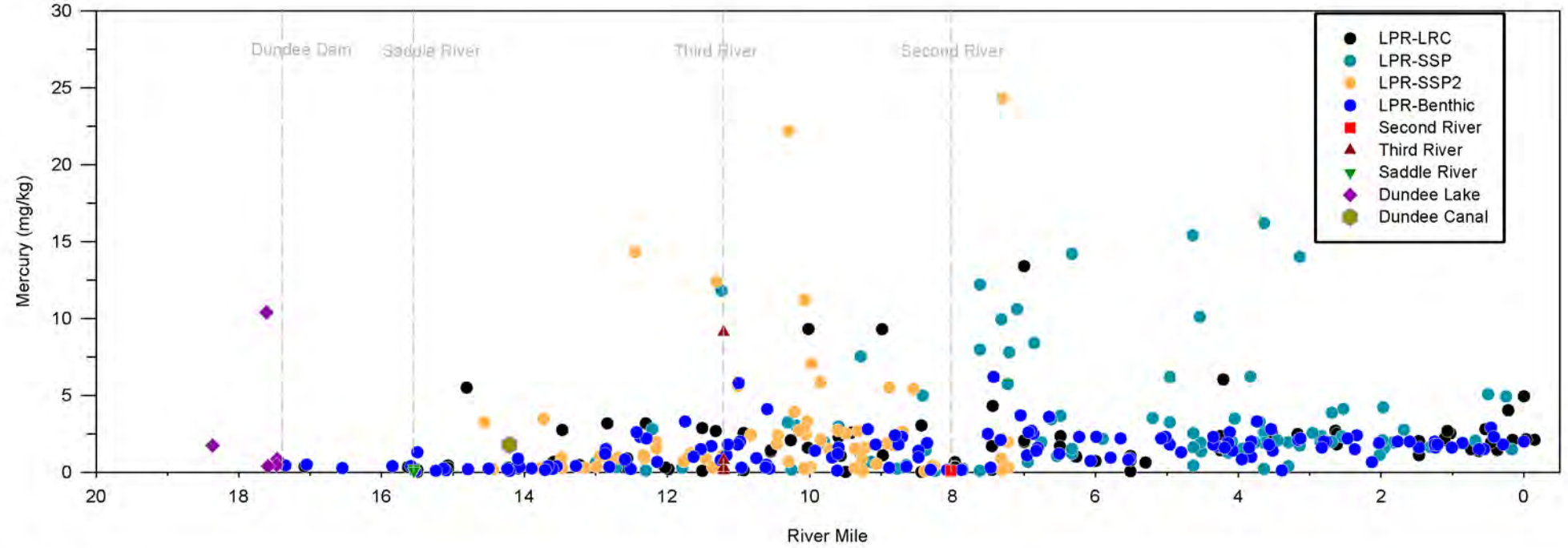


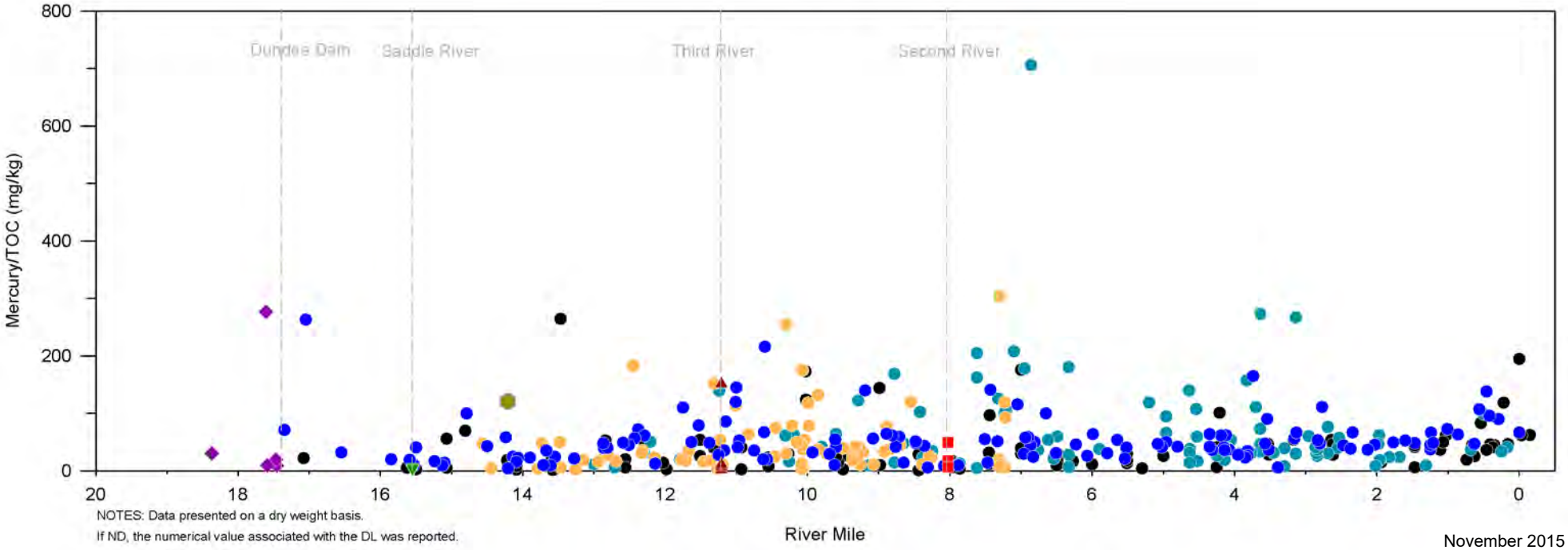


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.r Surficial Concentration vs. River Mile, Linear Scale - Mercury
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

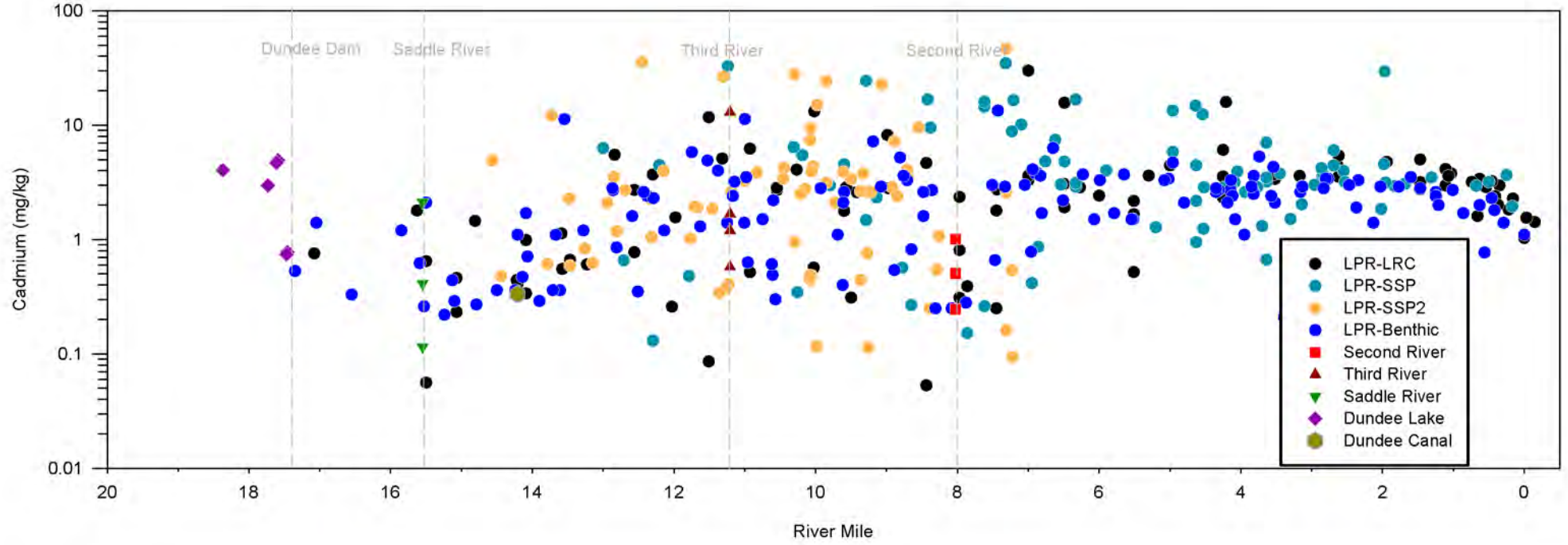


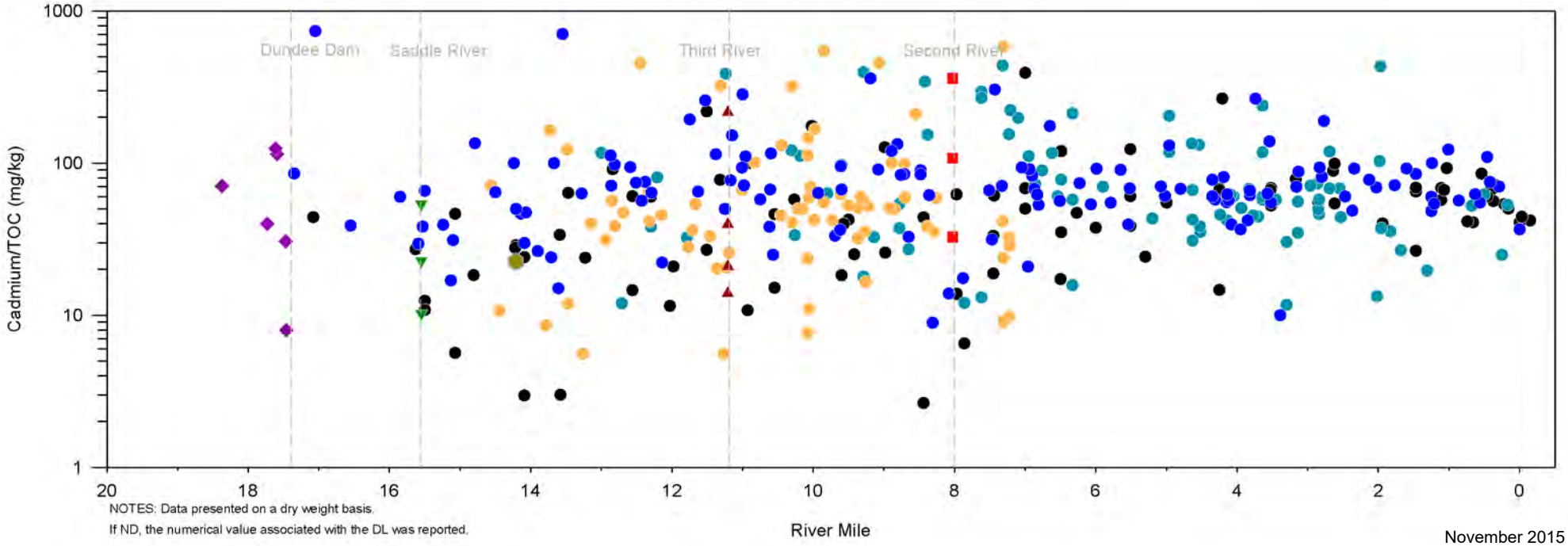


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.s Surficial Concentration vs. River Mile, Log Scale - Cadmium
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

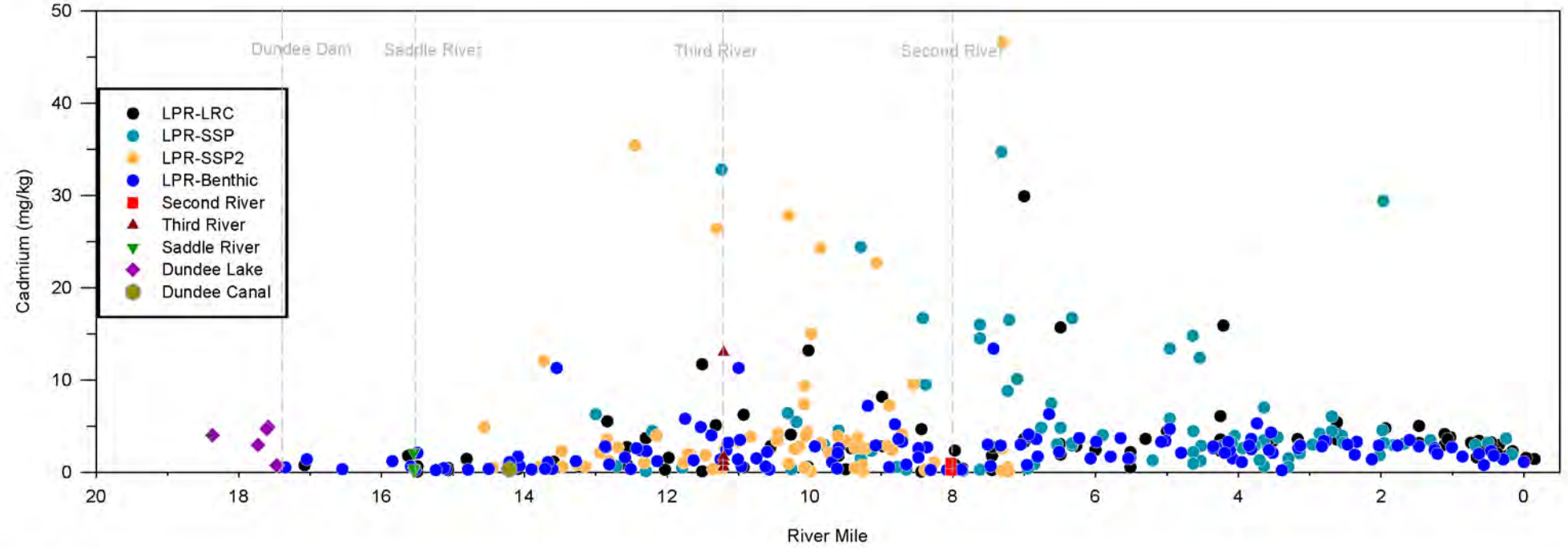


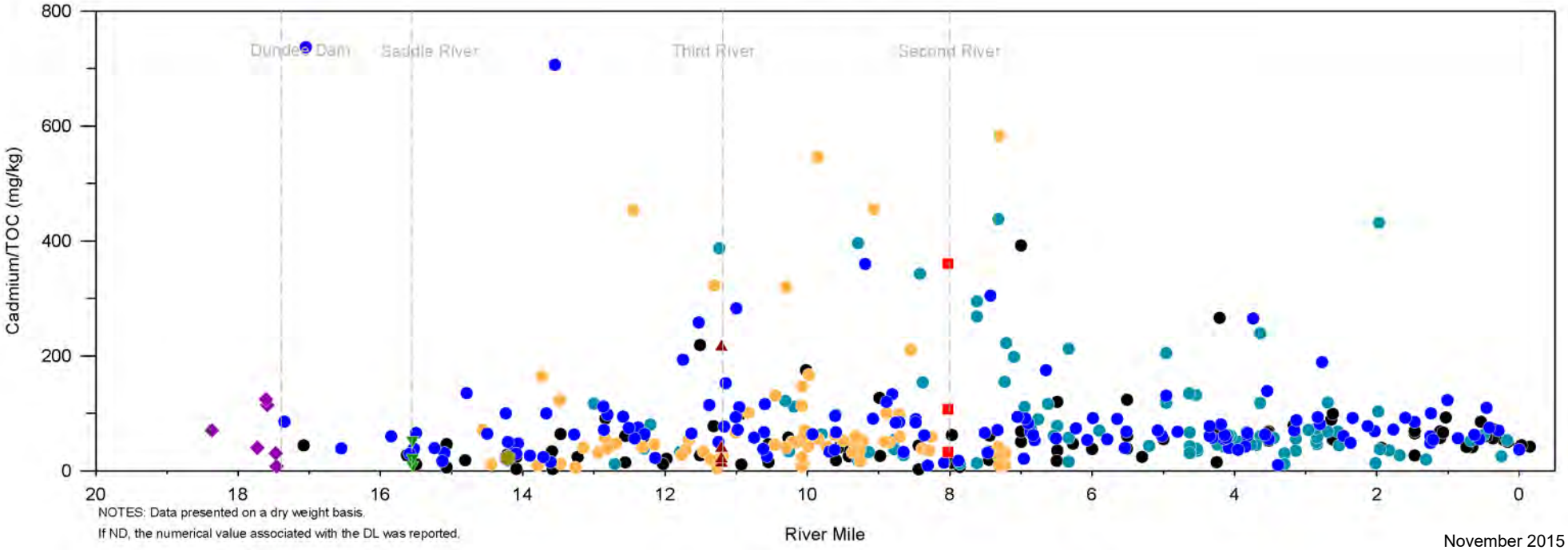


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.t Surficial Concentration vs. River Mile, Linear Scale - Cadmium
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

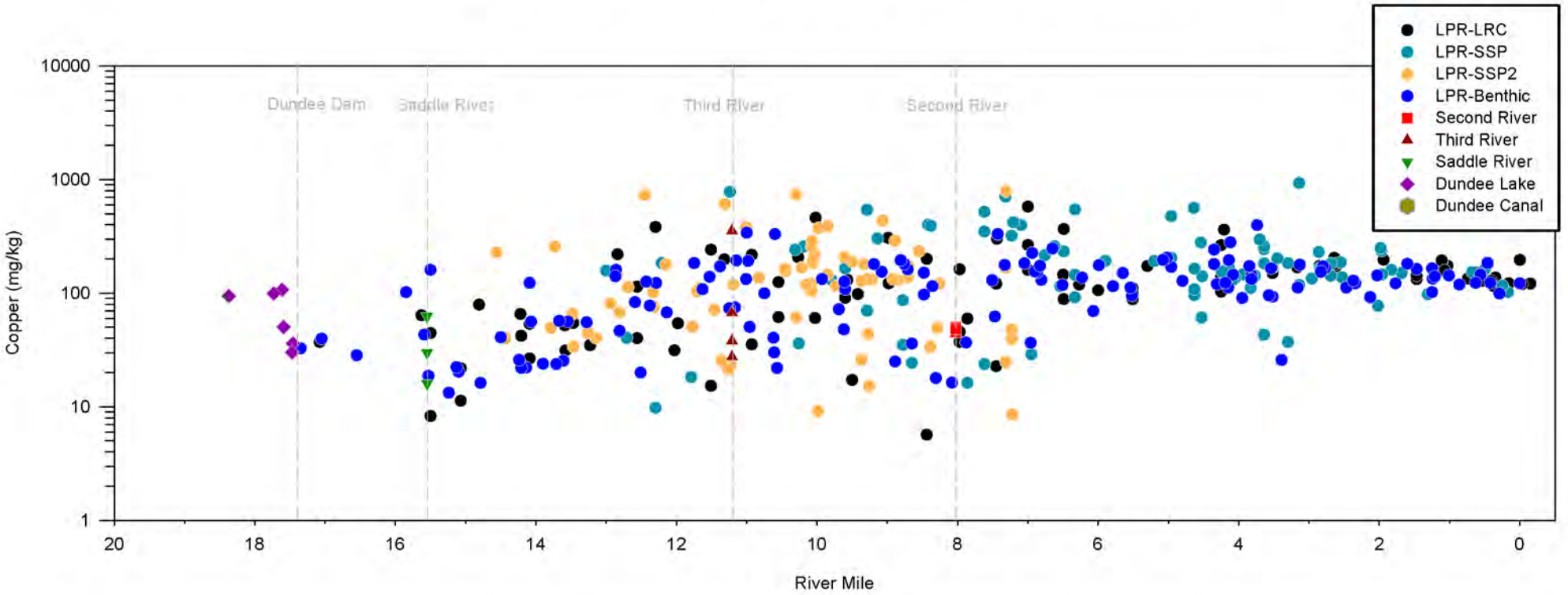


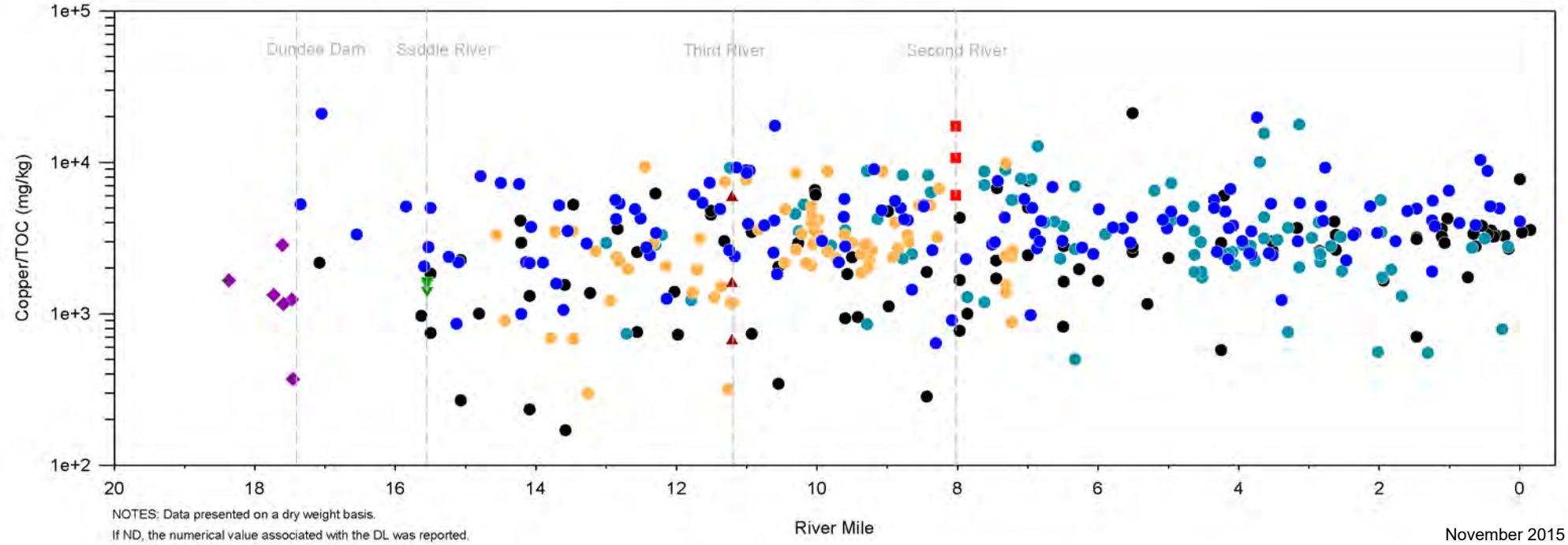


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.u Surficial Concentration vs. River Mile, Log Scale - Copper
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

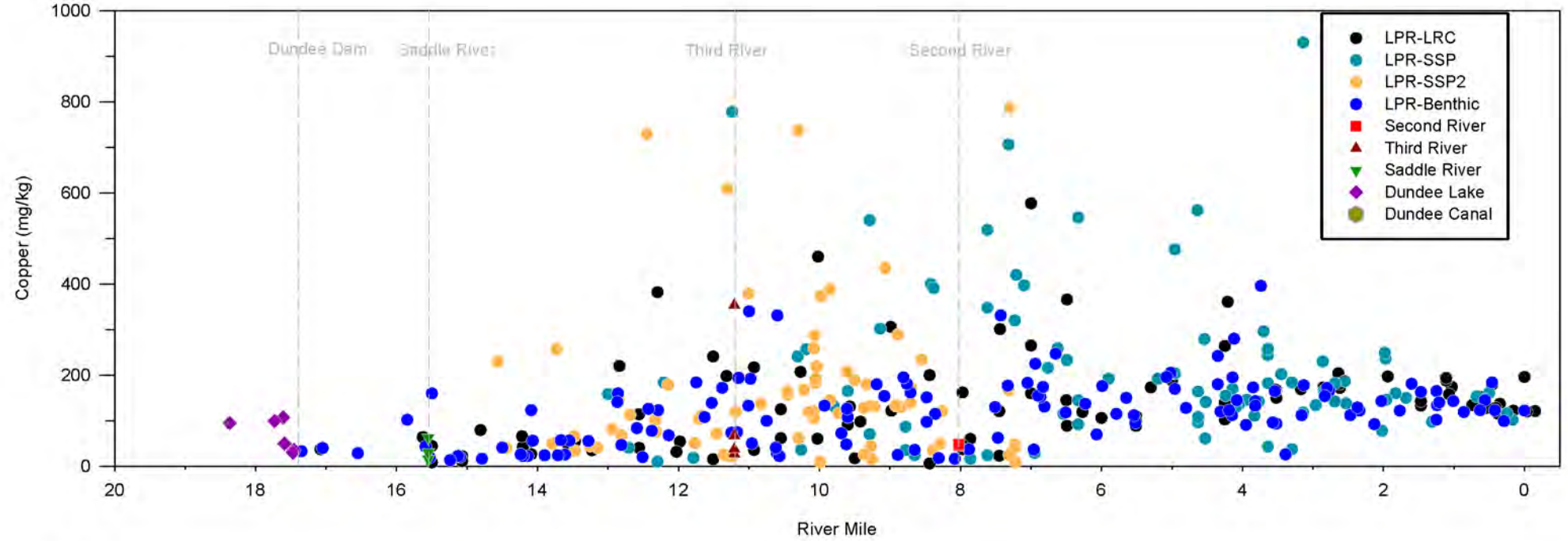


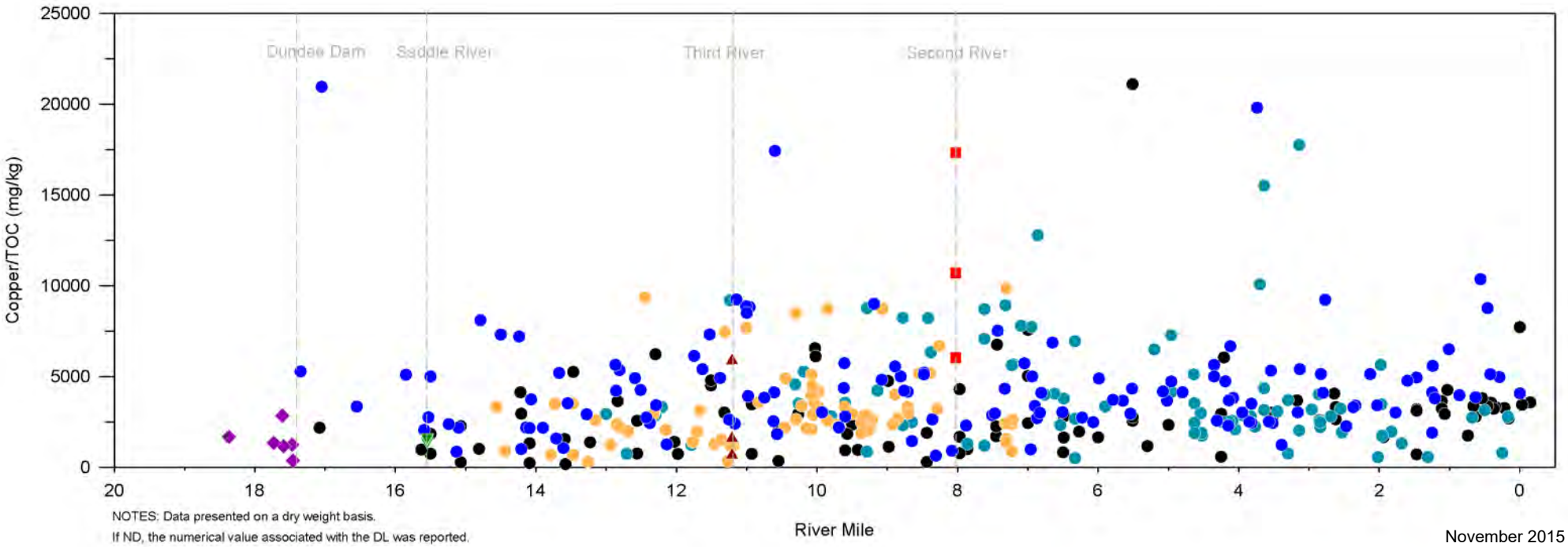


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.v Surficial Concentration vs. River Mile, Linear Scale - Copper
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

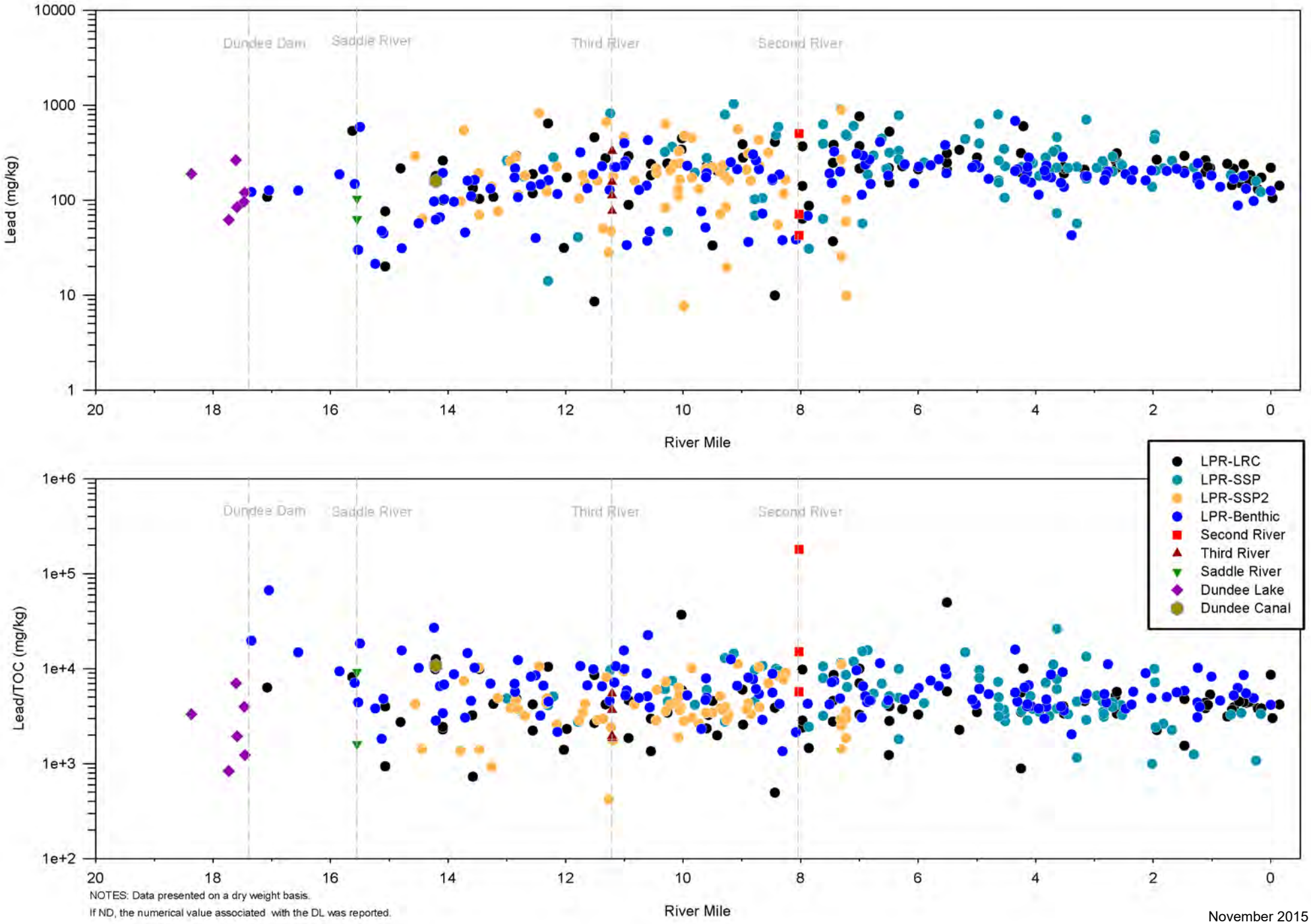




NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

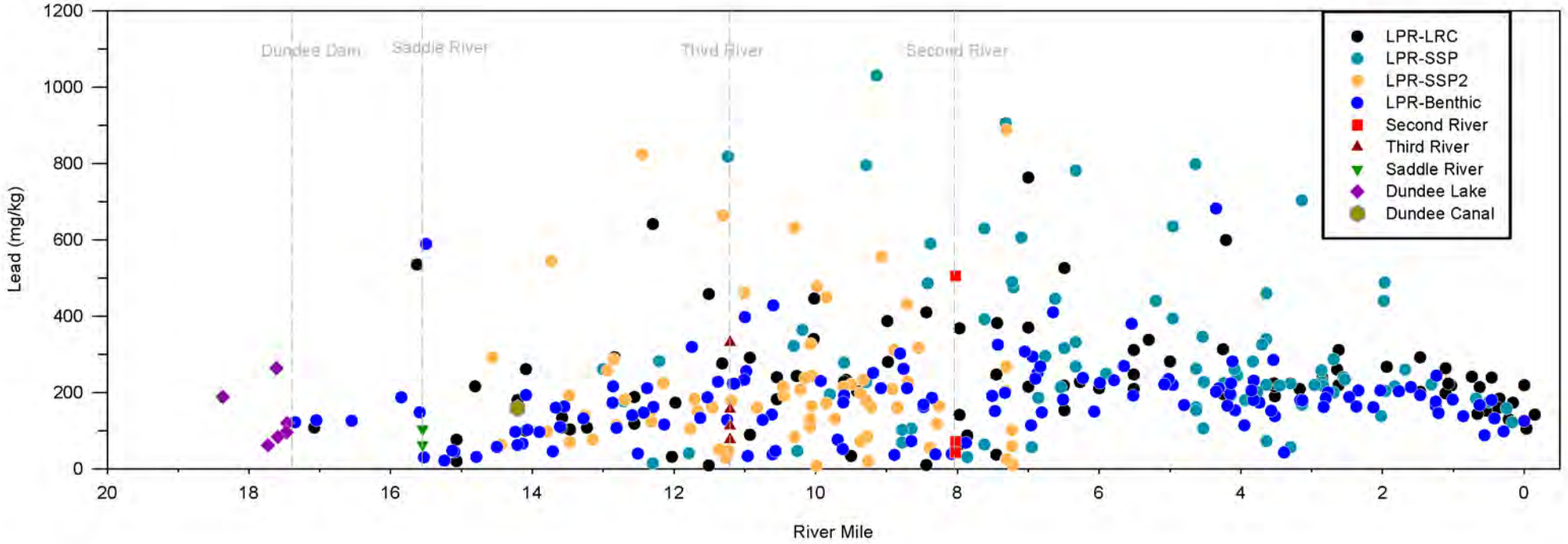
3-2.w Surficial Concentration vs. River Mile, Log Scale - Lead
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

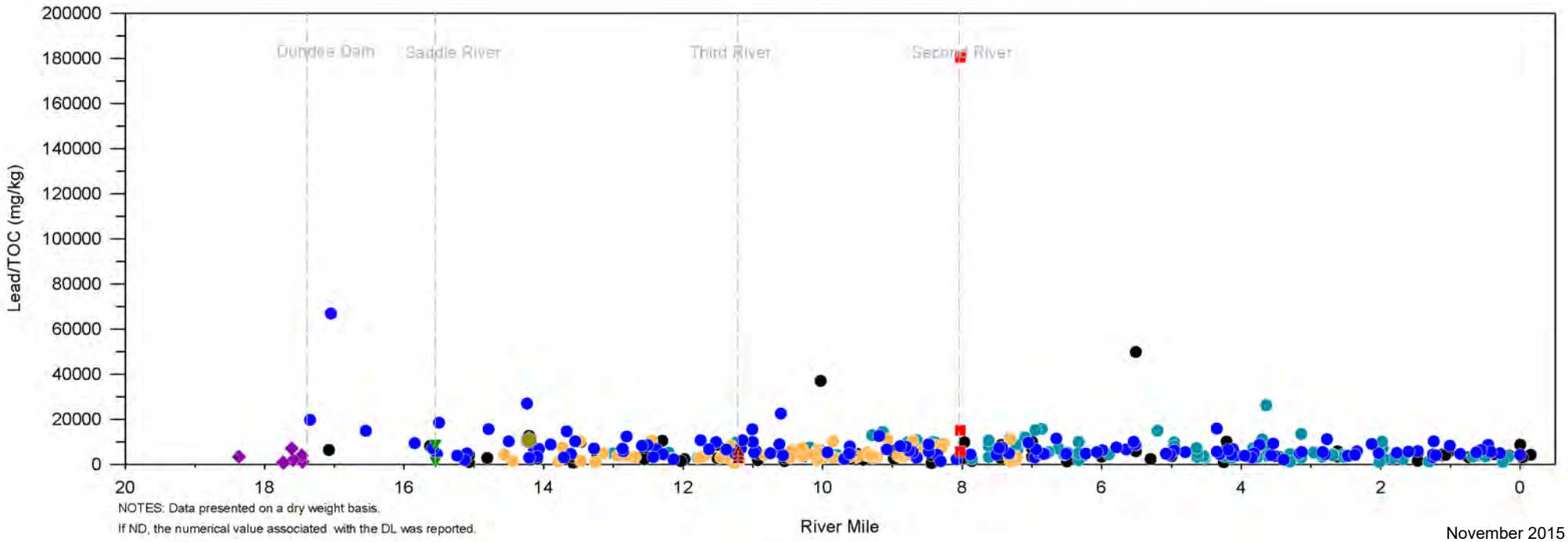


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.x Surficial Concentration vs. River Mile, Linear Scale - Lead
Surficial Sediments (0 - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

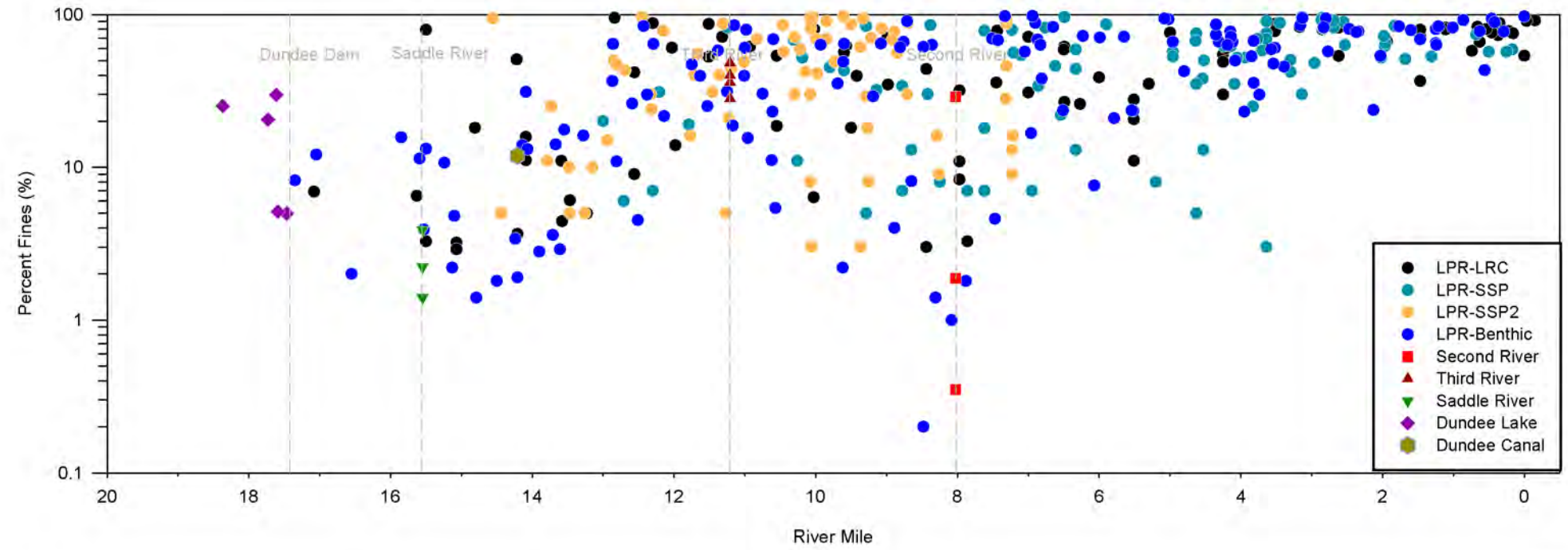


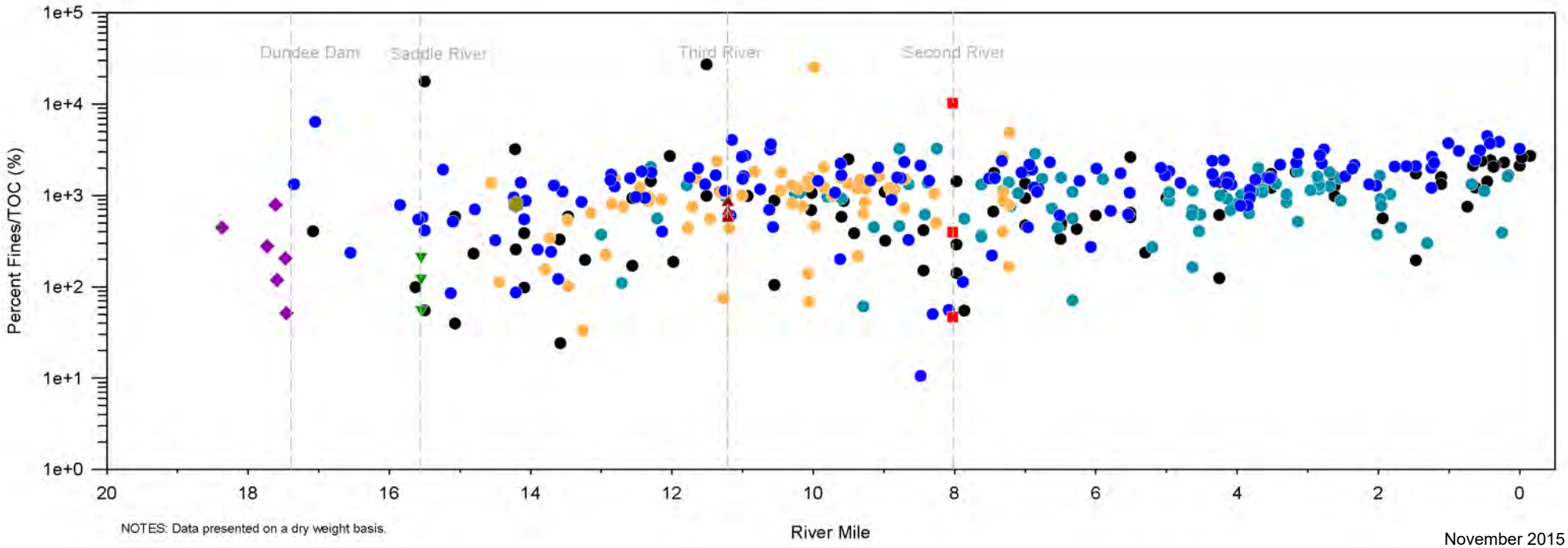


NOTES: Data presented on a dry weight basis.
If ND, the numerical value associated with the DL was reported.

November 2015

3-2.y Surficial Concentration vs. River Mile, Log Scale - Percent Fines
Surficial Sediments (0.0 ft - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples

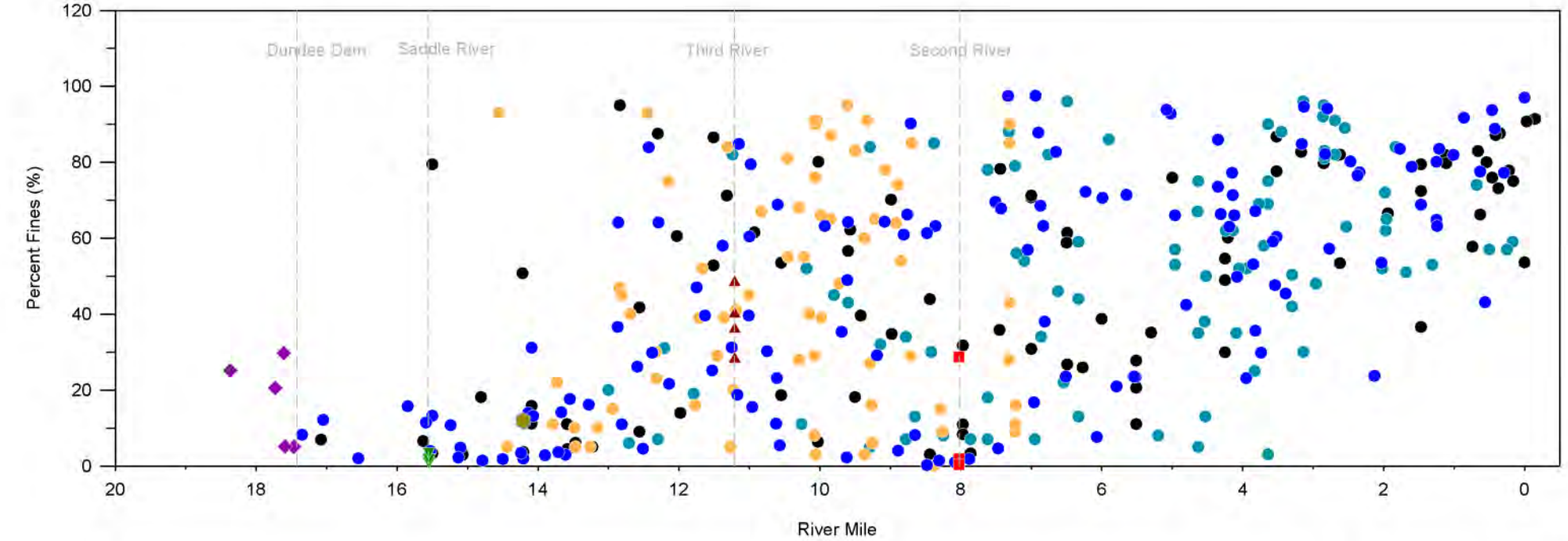


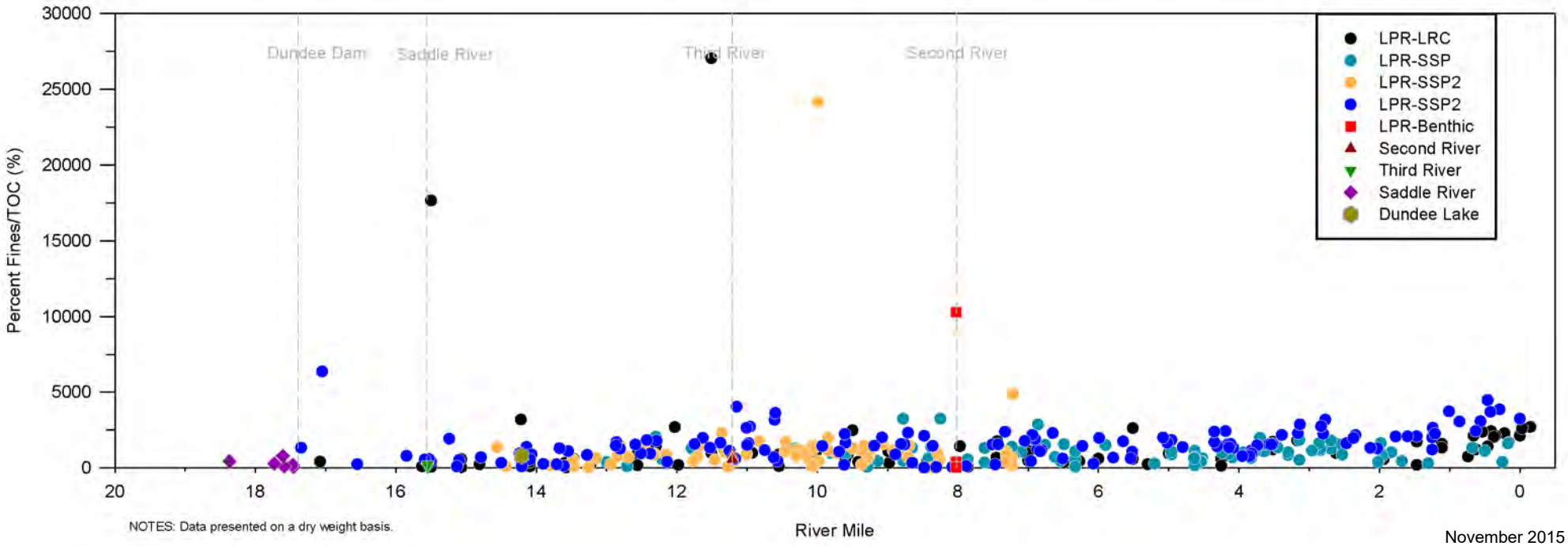


NOTES: Data presented on a dry weight basis.

November 2015

3-2.z Surficial Concentration vs. River Mile, Linear Scale - Percent Fines
Surficial Sediments (0.0 ft - 0.5 ft) - LRC, Benthic, LRC SSP, and LRC SSP2 Samples





NOTES: Data presented on a dry weight basis.

November 2015

Figure 3-3.a LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: 2,3,7,8-TCDD (ng/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

LRC △Benthic □SSP ☆SSP 2

<=42 >208 - <= 394 >1842 Passaic River Centerline (miles)

>42 - <=208 >394 - <=1842

See Table 2-4 for information on partially analyzed samples.

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

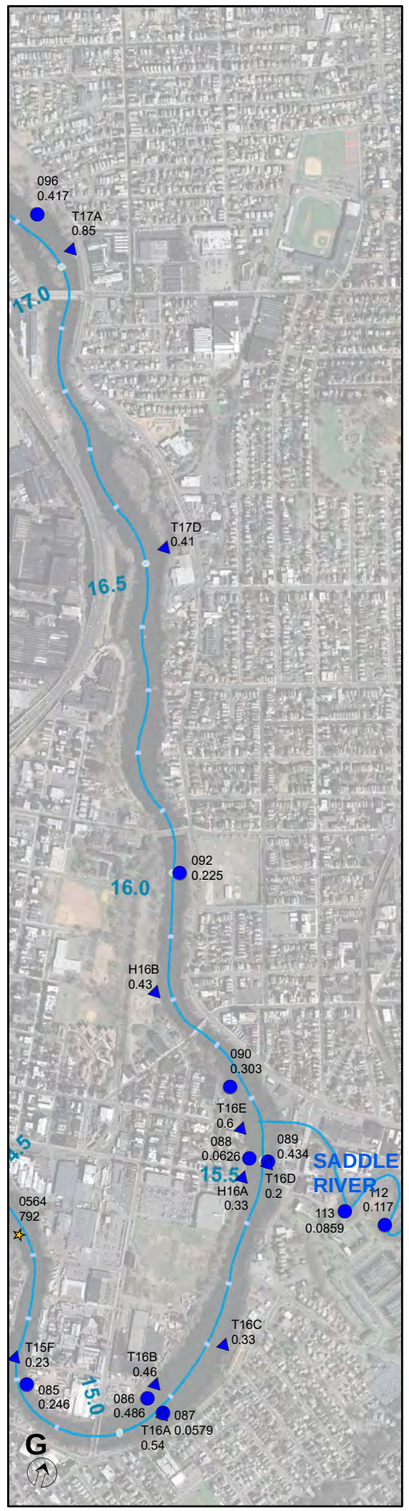
AECOM

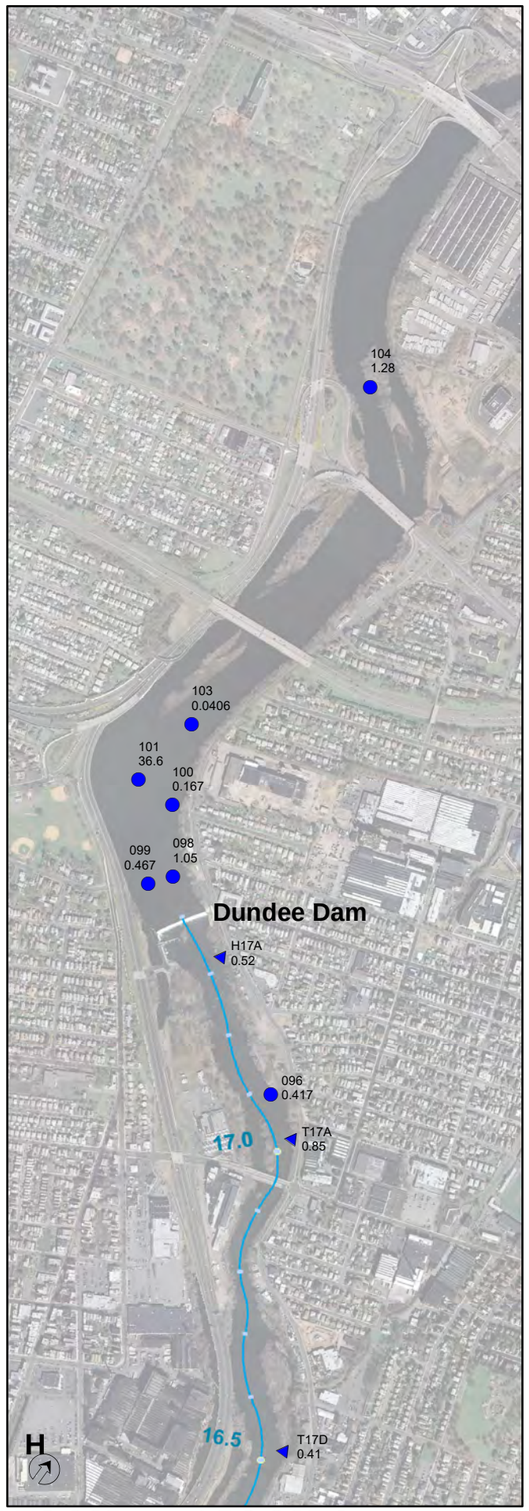
November 2015

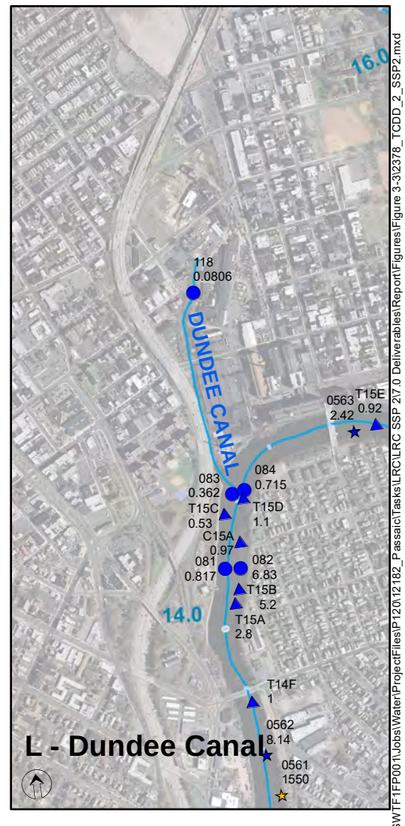
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

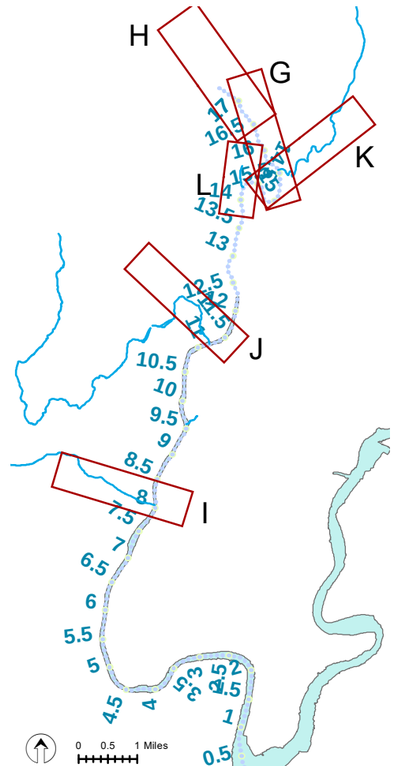
0 0.5 1 Miles

U:\SWTF1FP0001\Jobs\Water\ProjectFiles\P1201218 2_PassaicTasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\2378_TCDD_1_SSP2.mxd









\\USWTF1FP001\Jobs\Water\Projects\Files\P120\12182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\2378_TCDD_2_SSP2.mxd

Figure 3-3.a LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: 2,3,7,8-TCDD (ng/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=42 ● >42 - <=208 ● >208 - <=394 ● >394 - <=1842 ● >1842

Passaic River Centerline (miles)

022 Location Code
594 Concentration (Presented On Dry Weight Basis)

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

Figure 3-3.b LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Total TEQ (ng/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects for the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF (see Table 3-1).

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=61.3
● >61.3 - <=271
● >271 - <=478
● >478 - <=1968
● >1968

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

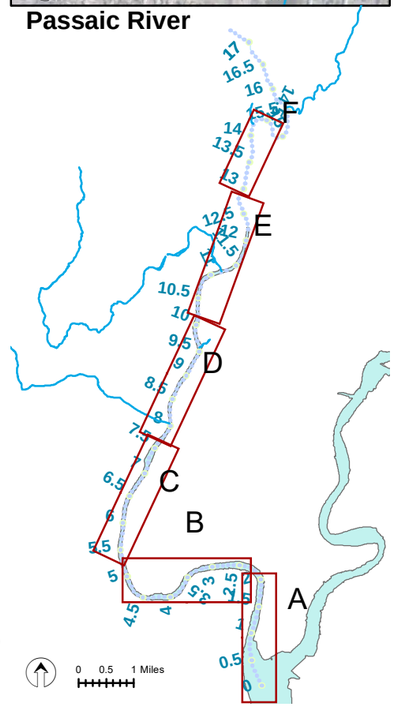
Passaic River Centerline (miles)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008



\\USWTTF1FP001\Jobs\Water\ProjectFiles\P120112182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Total_TEQ_1_SSP2.mxd

Figure 3-3.b LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Total TEQ (ng/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects for the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF (see Table 3-1).

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

<=61.3
>61.3 - <=271
>271 - <=478
>478 - <=1968
>1968
Passaic River Centerline (miles)
022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM
November 2015
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\\USWTF1FP001\Jobs\Water\ProjectFiles\P120\12182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Total_TEQ_2_SSP2.mxd

Figure 3-3.c LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Total PCBs (mg/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL (see Table 3-1).

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.2815
● >0.2815 - <=0.814
● >0.814 - <=1.265
● >1.265 - <=3.512
● >3.512

Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

\\USWTF1FP001\Jobs\Water\ProjectFiles\P120112182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Total_PCB_1_SSP.mxd

Figure 3-3.c LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Total PCBs (mg/kg)

0 - 0.5 ft
(Page 2 of 2)

NOTES: Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL (see Table 3-1).

○ LRC △ Benthic □ SSP ☆ SSP 2

- <=0.2815
- >0.2815 - <=0.814
- >0.814 - <=1.265
- >1.265 - <=3.512
- >3.512
- Passaic River Centerline (miles)

Location Code
Concentration (Presented On Dry Weight Basis)

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

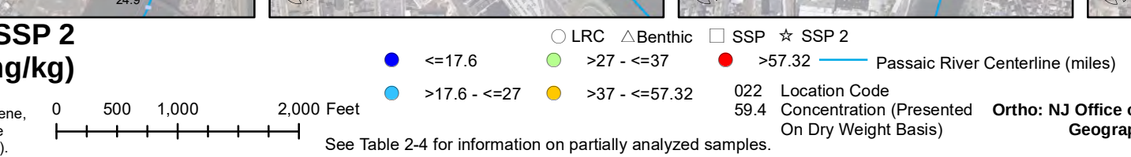
Figure 3-3.d LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: HMW PAHs (mg/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene and Pyrene detects; if all ND, reported as highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

LRC △Benthic □SSP ☆SSP 2



See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

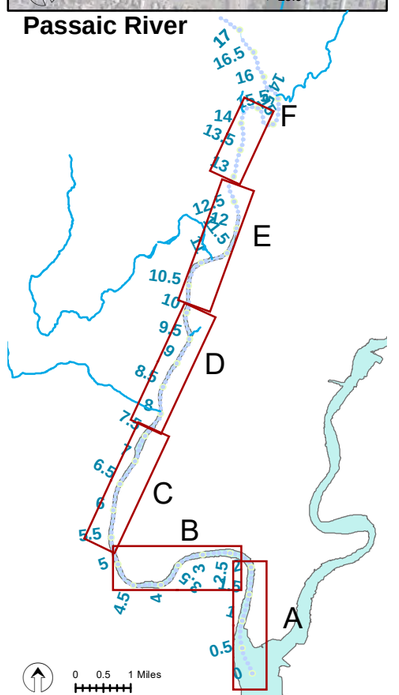


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Figure 3-3.d LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: HMW PAHs (mg/kg)

0 - 0.5 ft
(Page 2 of 2)

NOTES: HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene and Pyrene detects; if all ND, reported as highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=17.6 ● >17.6 - <=27 ● >27 - <=37 ● >37 - <=57.32 ● >57.32

Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

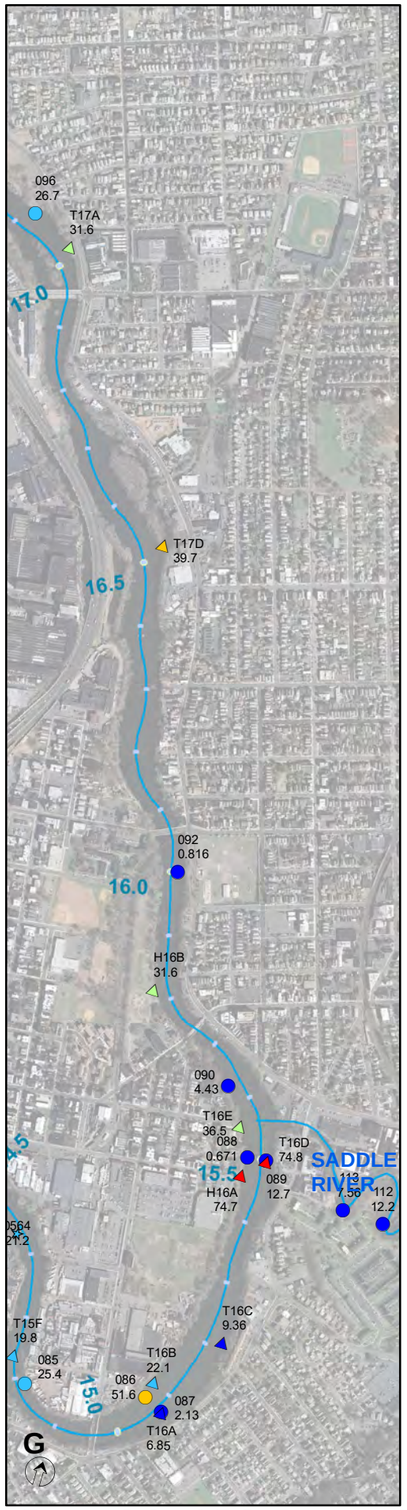
See Table 2-4 for information on partially analyzed samples.

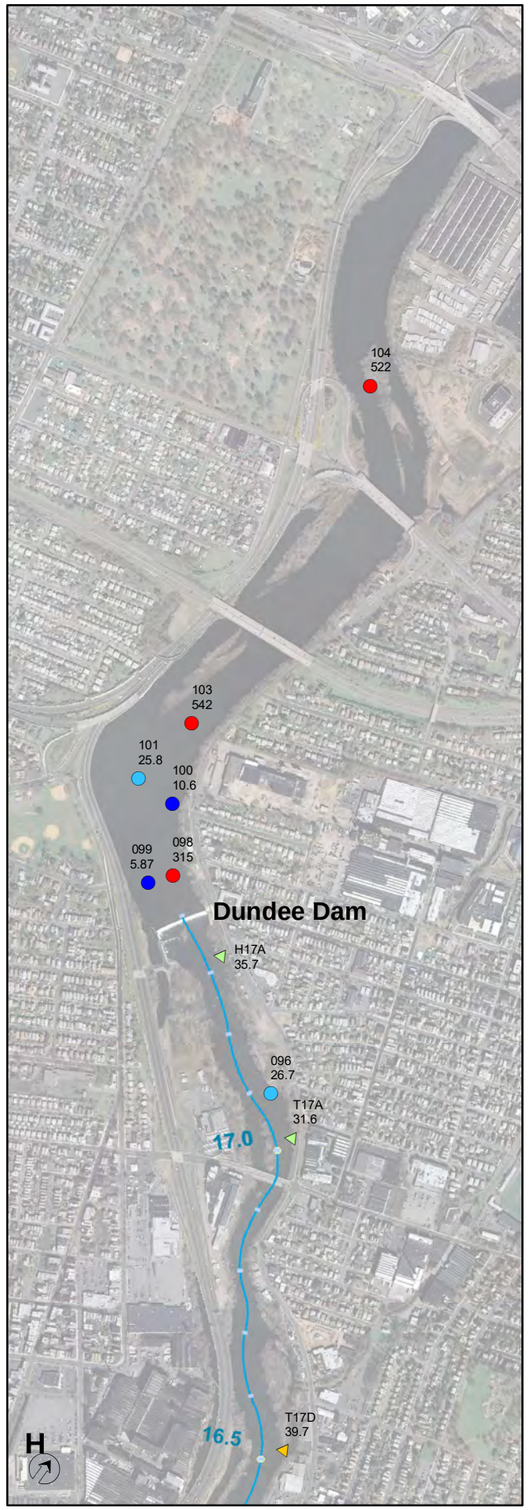
AECOM

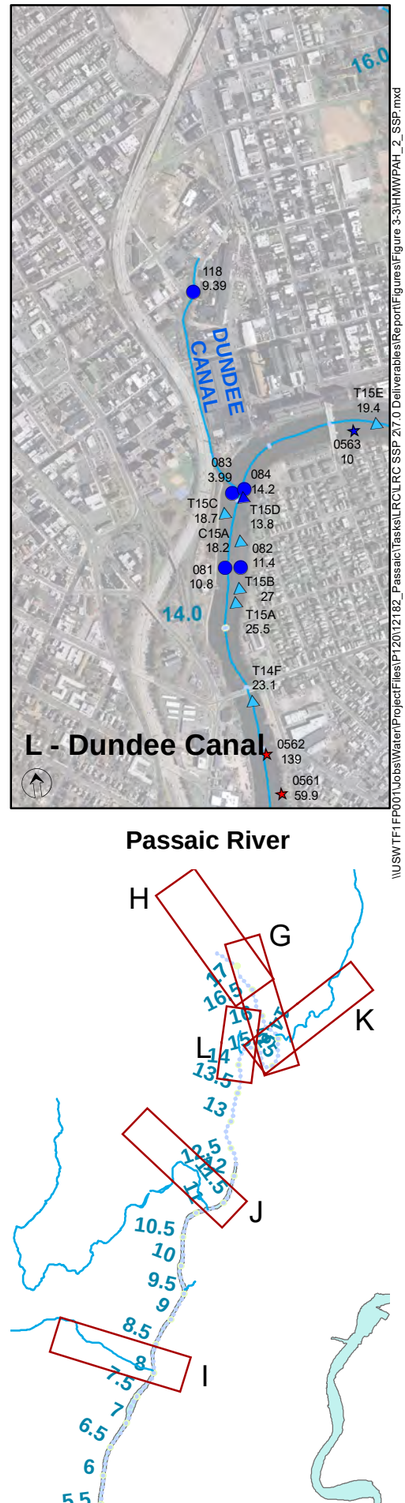
November 2015

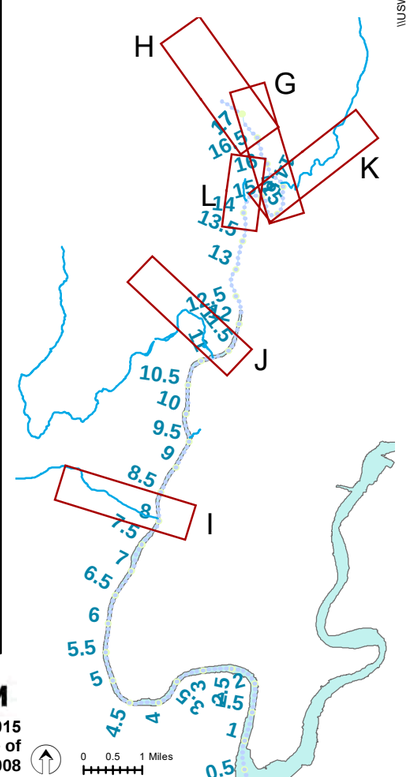
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles









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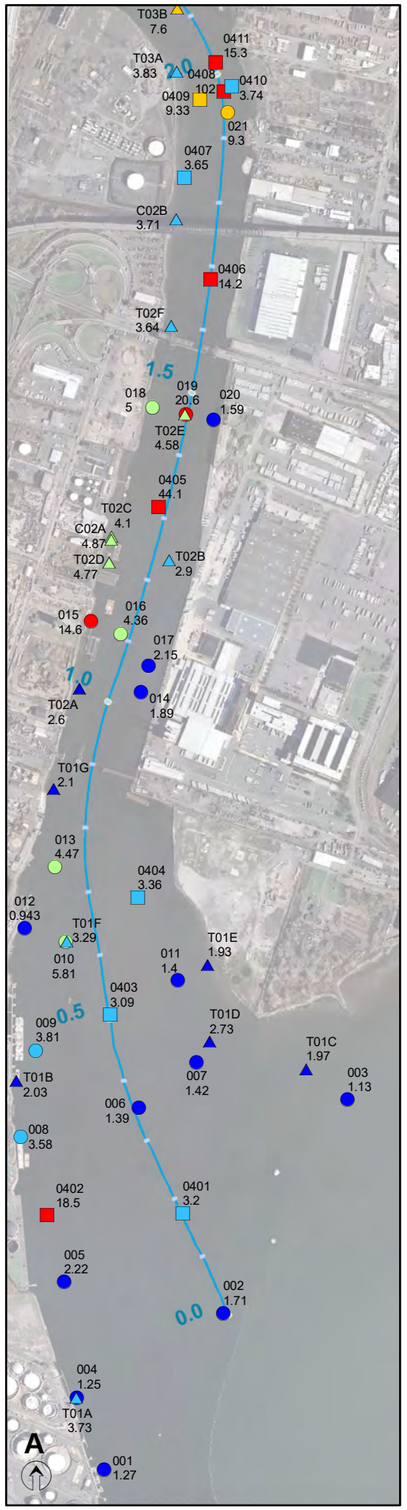

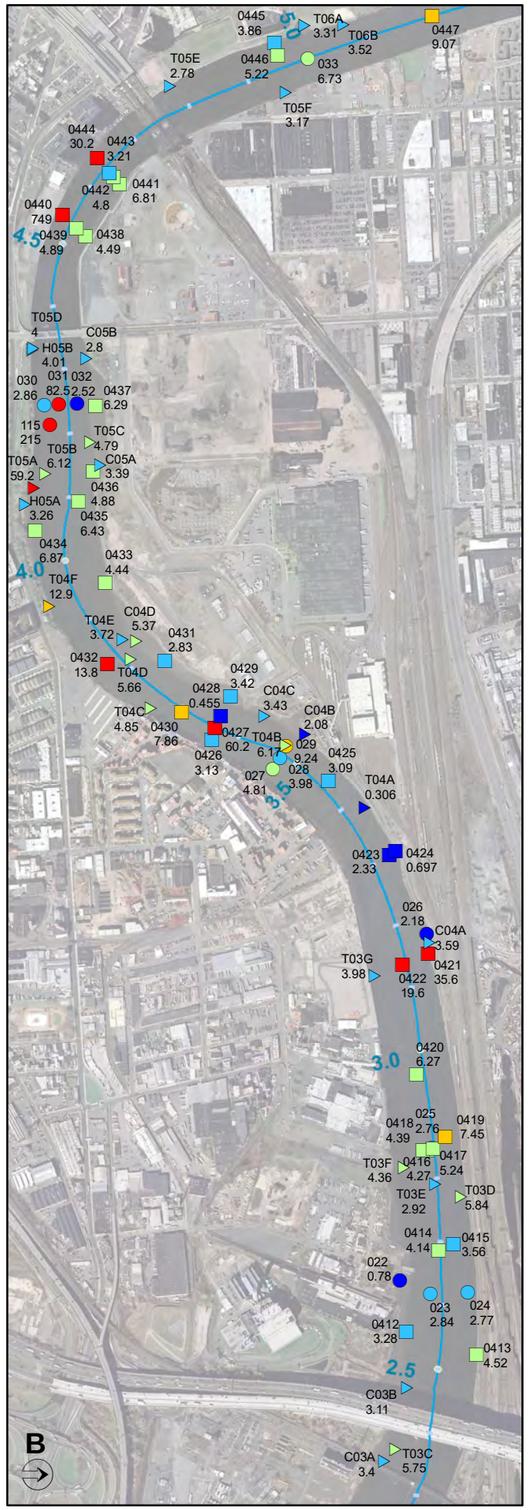

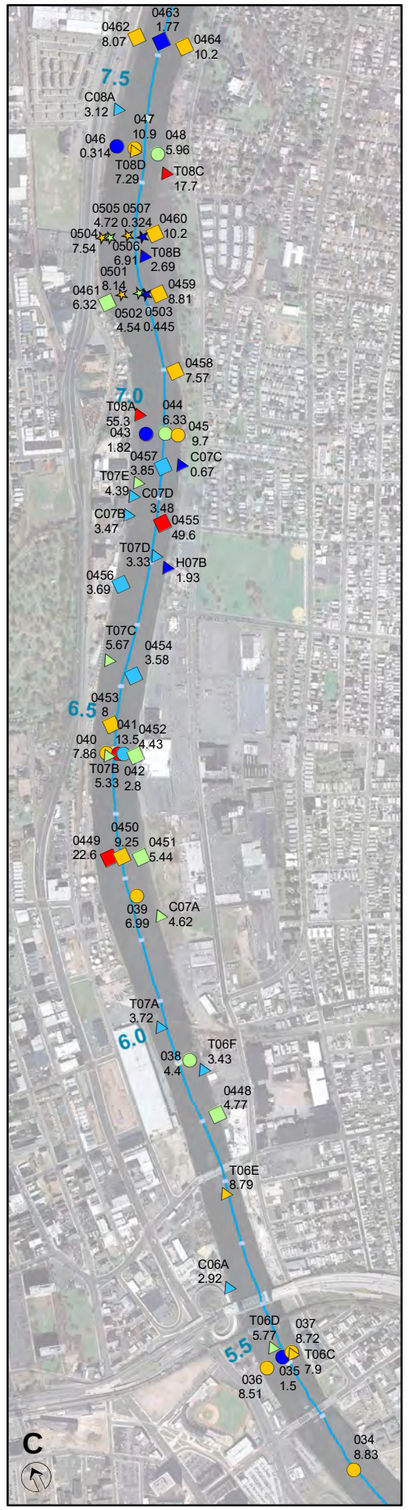

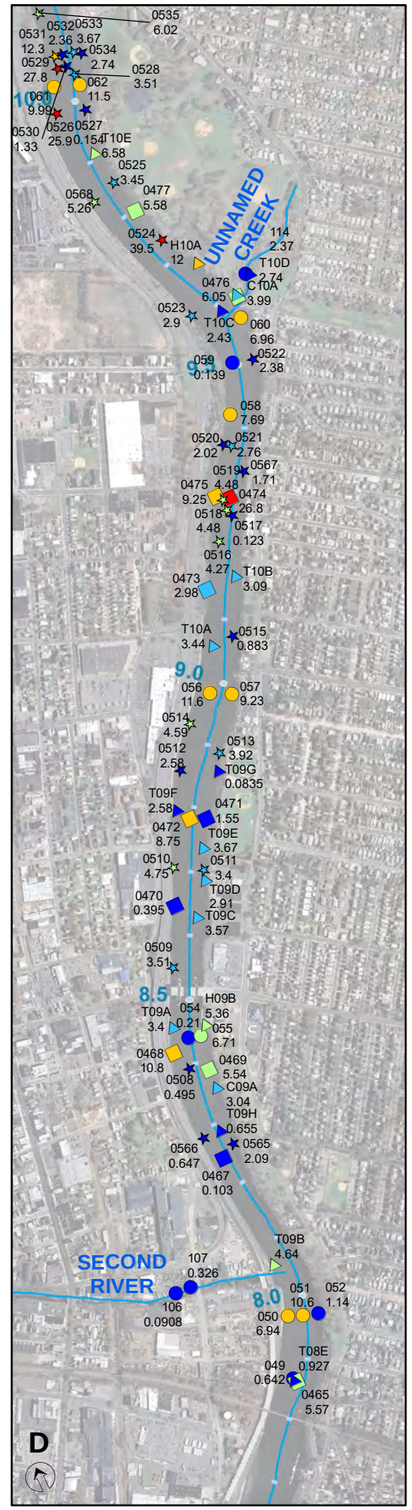

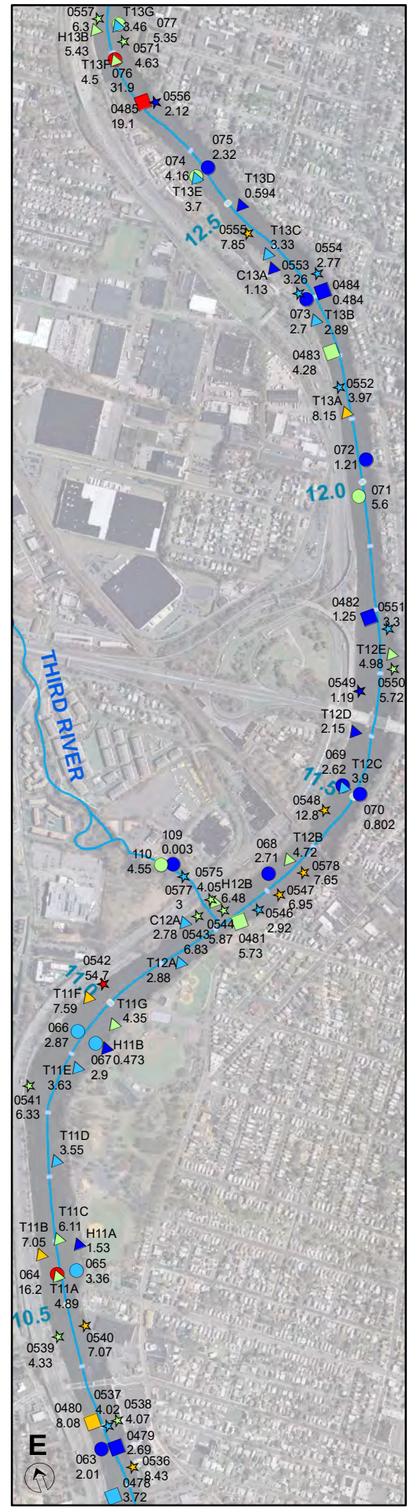

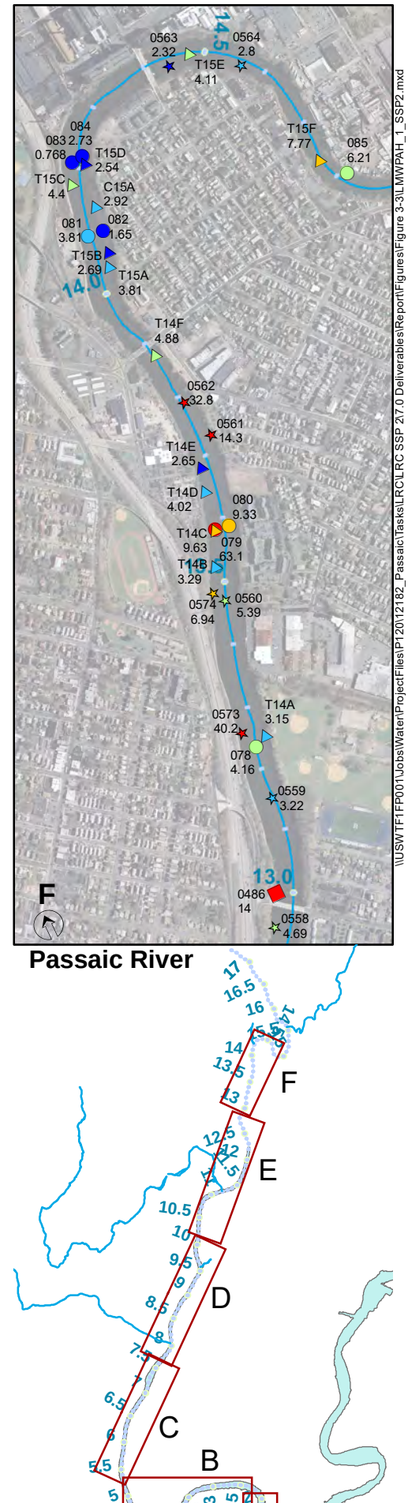

Passaic River

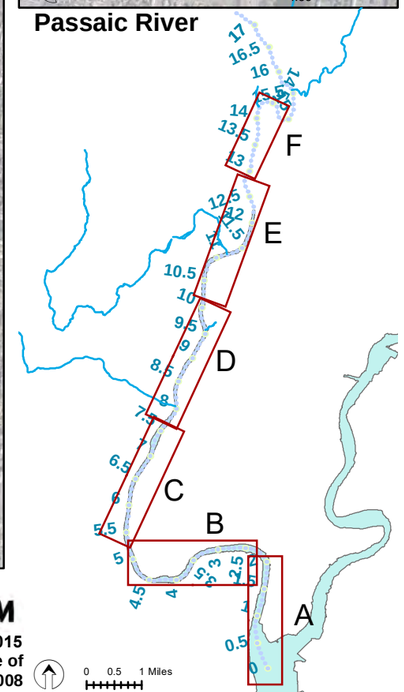

Figure 3-3.e LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: LMW PAHs (mg/kg)

0 - 0.5 ft

(Page 1 of 2)

NOTES: LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Napthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=2.74 ● >2.74 - <=4.02 ● >4.02 - <=6.87 ● >6.87 - <=13.02 ● >13.02

022 59.4 Location Code Concentration (Presented On Dry Weight Basis)

Passaic River Centerline (miles)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

\\USWTFTFP001\Jobs\Water\ProjectFiles\P120121182_PassaicTasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\LMWPAH_1_SSP2.mxd

Figure 3-3.e LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: LMW PAHs (mg/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Napthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

○ LRC △ Benthic □ SSP ☆ SSP 2

<=2.74
>2.74 - <=4.02
>4.02 - <=6.87
>6.87 - <=13.02
>13.02
Passaic River Centerline (miles)
022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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Figure 3-3.f LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Total DDx (mg/kg)
0 - 0.5 ft
(Page 1 of 2)

NOTES: Total DDx = The sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.023
● >0.023 - <=0.062
● >0.062 -<= 0.108
● >0.108 - <=0.2404
● >0.2404
Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

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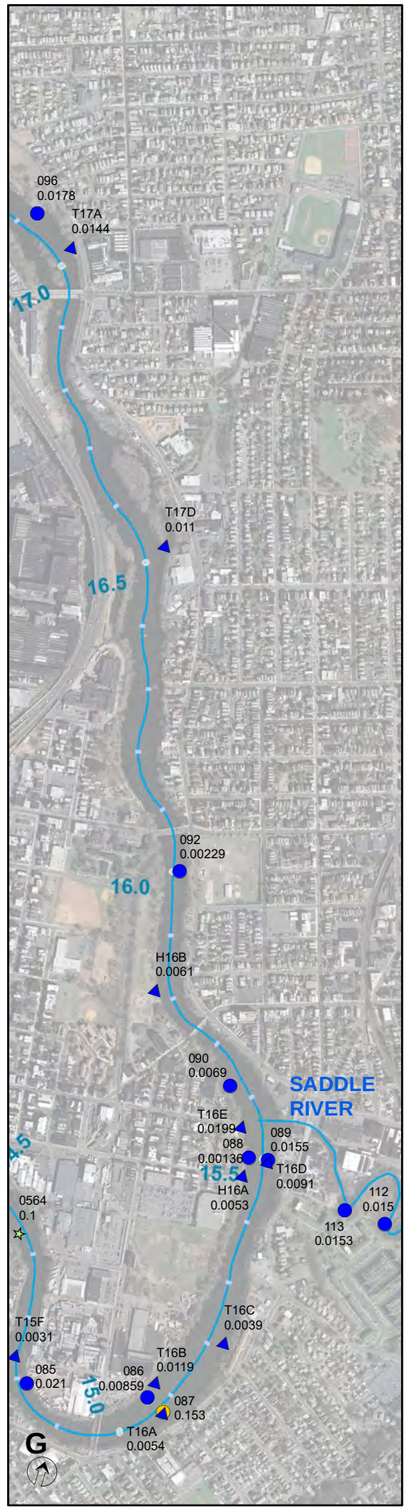

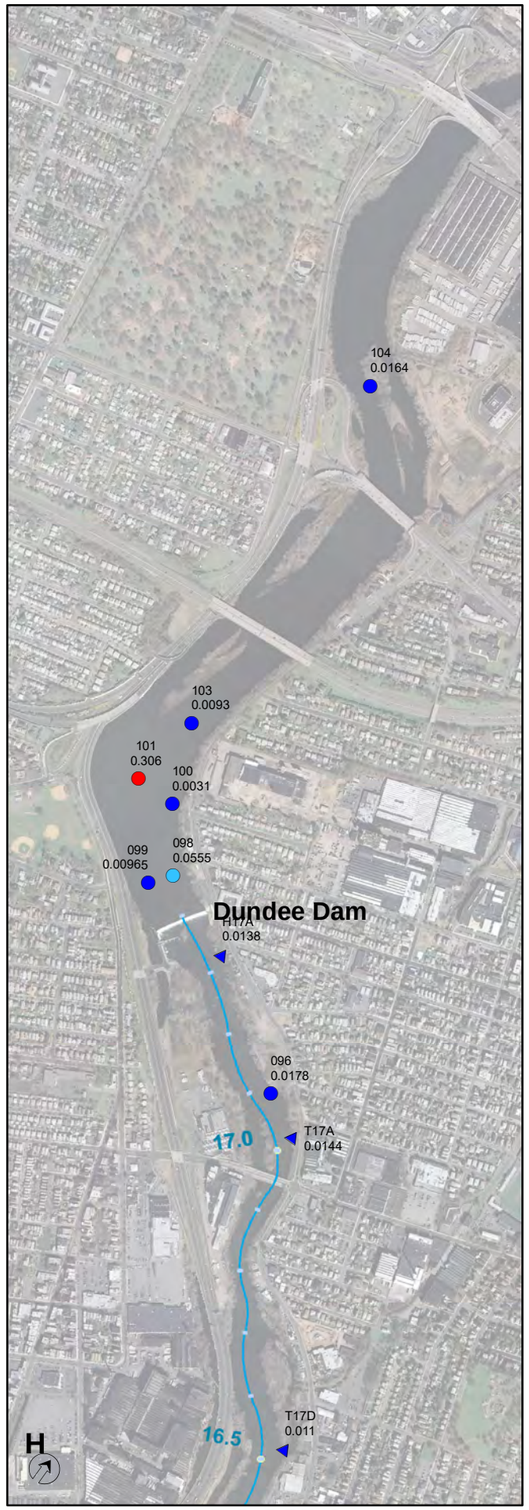

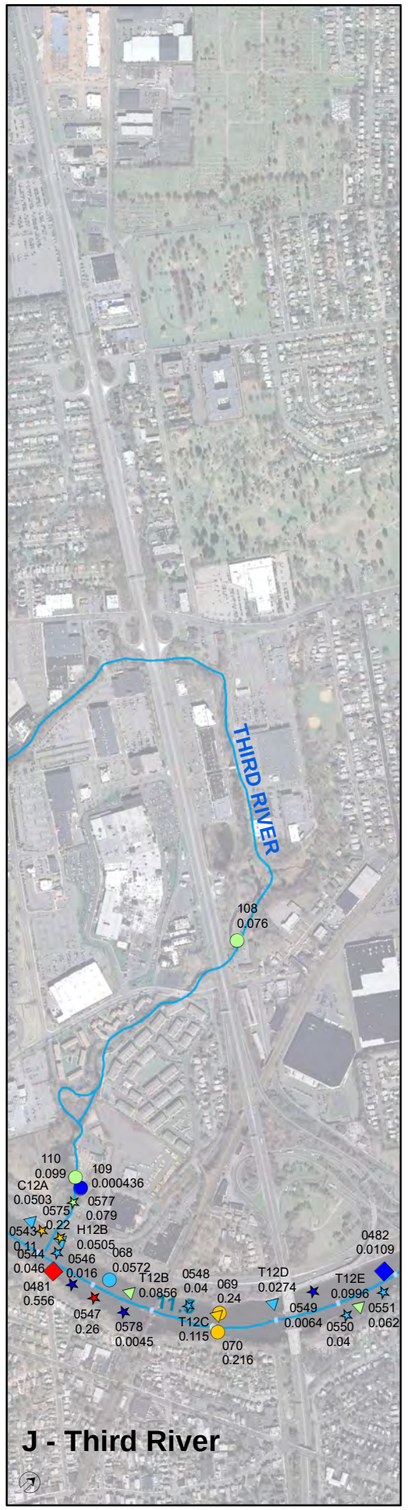

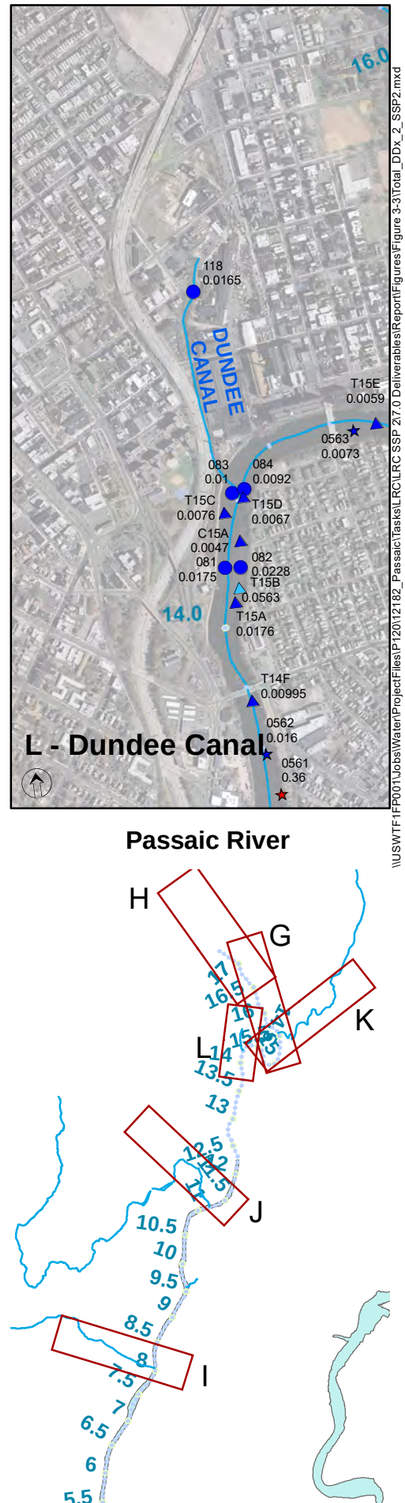

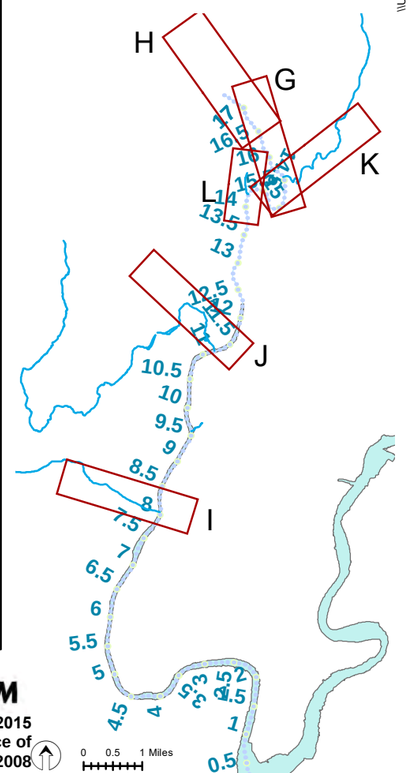

Figure 3-3.f LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Total DDx (mg/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: Total DDx = The sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL (see Table 3-1).

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.023
● >0.023 - <=0.062
● >0.062 -<= 0.108
● >0.108 - <=0.2404
● >0.2404

Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

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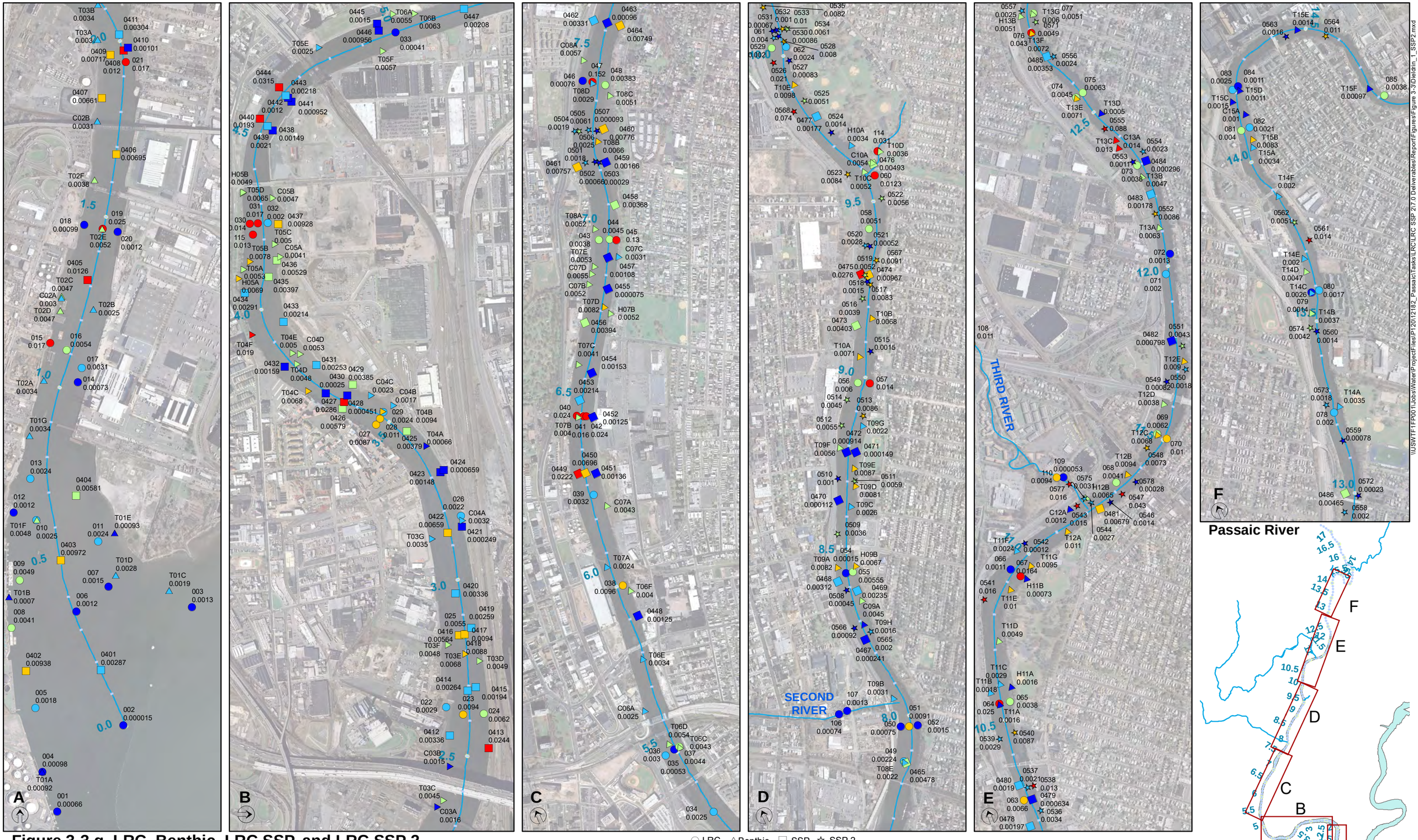


Figure 3-3.g LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Dieldrin (mg/kg)

0 - 0.5 ft

(Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.00166

● >0.00166 - <=0.00353

● >0.00353 - <=0.0065

● >0.0065 - <=0.0114

● >0.0114

Passaic River Centerline (miles)

022 59.4 Location Code Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

\\USWTF1FP001\Jobs\Water\ProjectFiles\P120121822_Passaic\Tasks\LRC\LLRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Dieldrin_1_SSP2.mxd

Figure 3-3.g LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Dieldrin (mg/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

○ LRC △ Benthic □ SSP ☆ SSP 2

- <=0.00166
- >0.00166 - <=0.00353
- >0.00353 - <=0.0065
- >0.0065 - <=0.0114
- >0.0114
- Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

\\USWTF1FP001\Jobs\Water\ProjectFiles\P120\12182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Dieldrin_2_SSP2.mxd

Figure 3-3.h LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Total Chlordane (mg/kg)
0 - 0.5 ft
(Page 1 of 2)

NOTES: Total Chlordane = The sum of cis-Chlordane, oxy-Chlordane, trans-Chlordane, cis-Chlordane, trans-Nonachlor detects. If all ND, reported as the highest individual analyte DL.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.023
● >0.023 - <=0.053
● >0.053 - <=0.0763
● >0.0763 - <=0.11
● >0.11

Passaic River Centerline (miles)

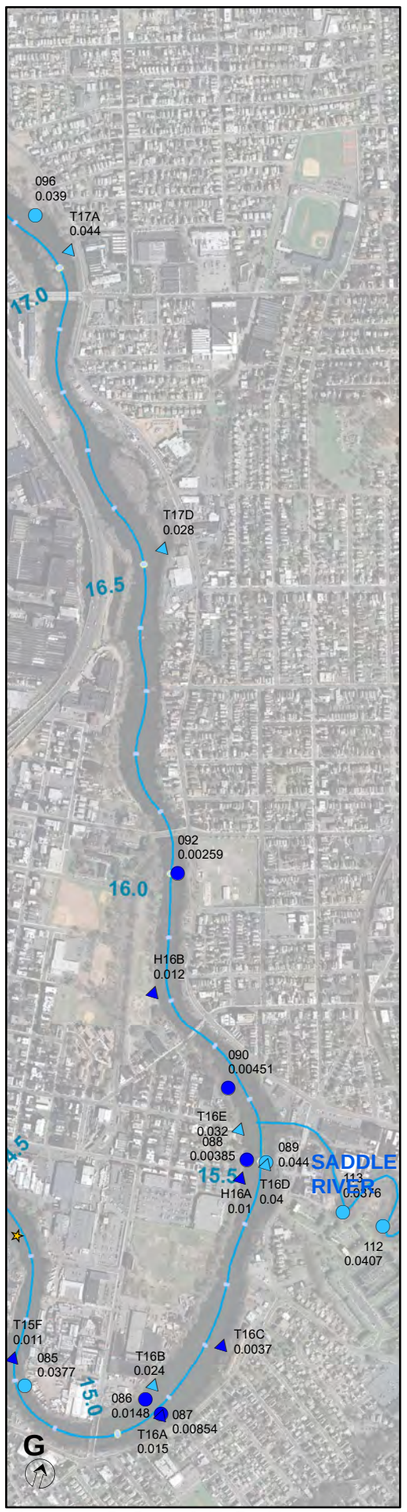
022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

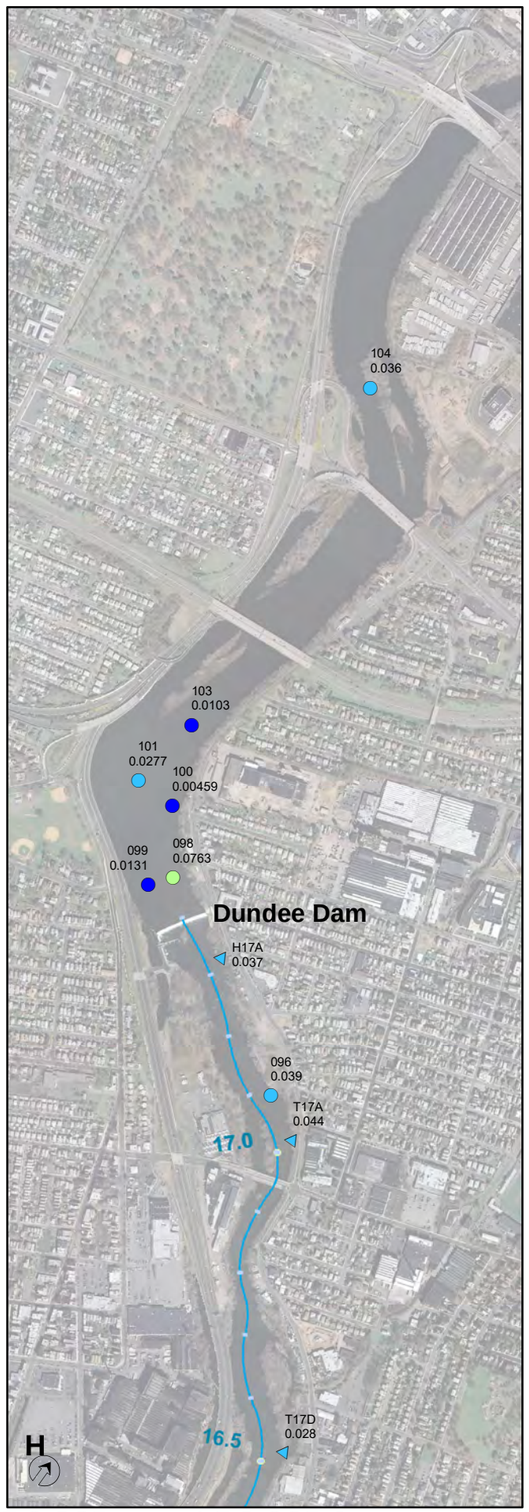
See Table 2-4 for information on partially analyzed samples.

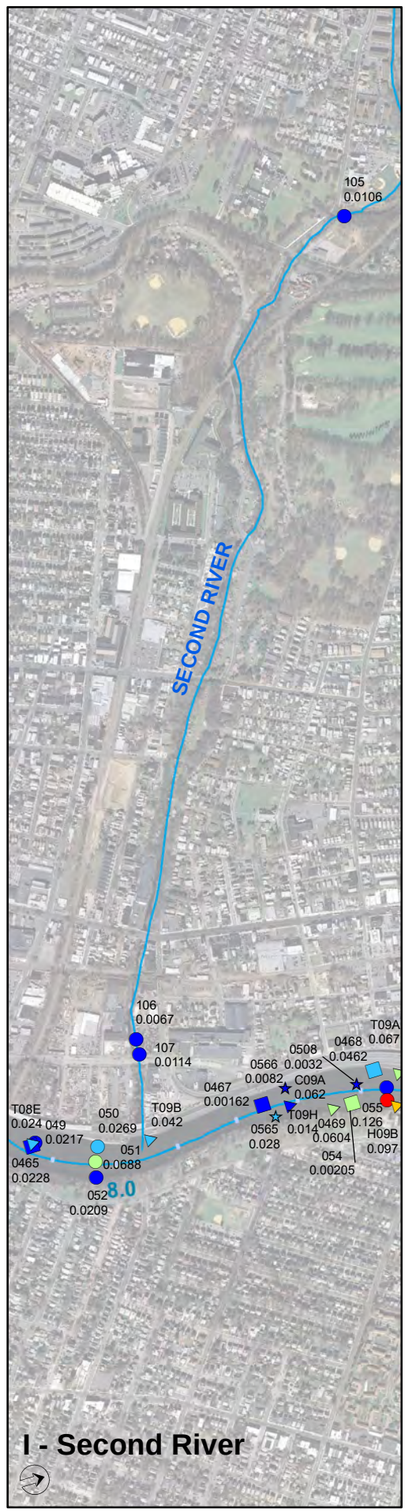
AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

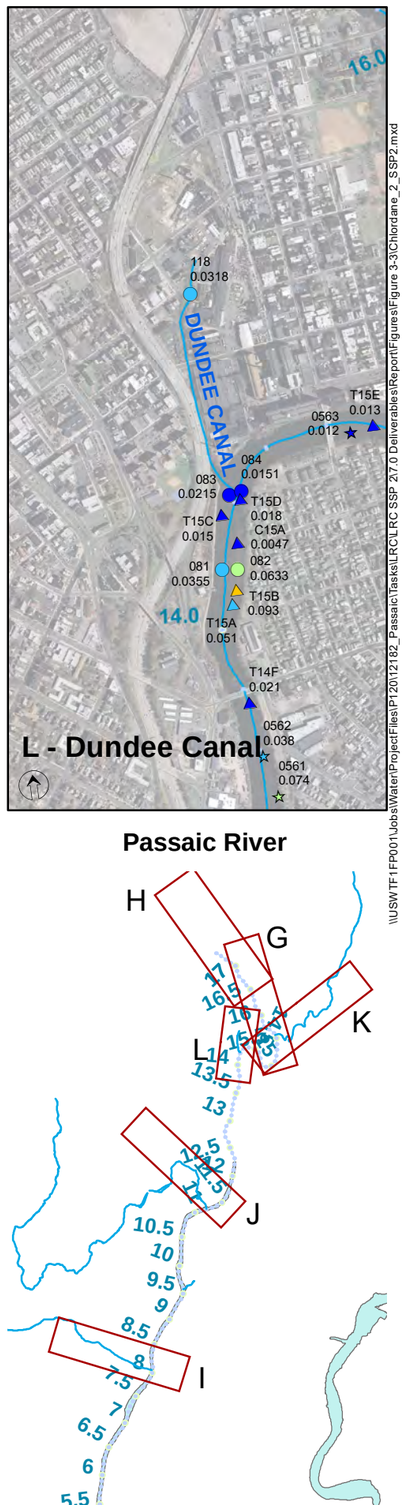
0 0.5 1 Miles

\\US\WTF1FPD001\Jobs\Water\Project Files\P120\121182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Chlordane_1_SSP2.mxd









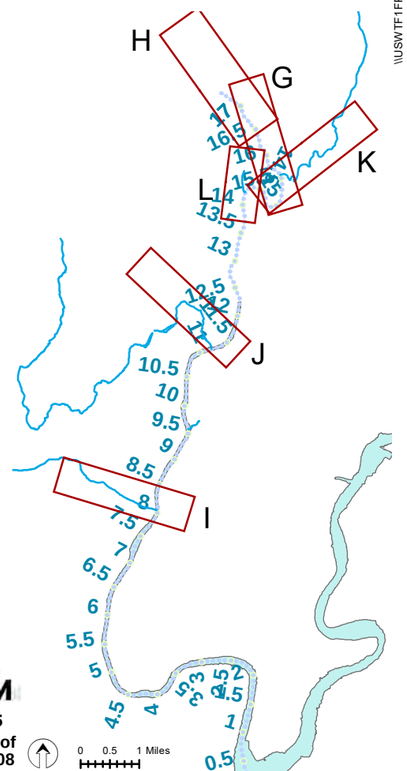


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Figure 3-3.h LRC, Benthic, LRC SSP , and LRC SSP 2 Surficial Analyte Concentration: Total Chlordane (mg/kg)

0 - 0.5 ft
(Page 2 of 2)

NOTES: Total Chlordane = The sum of cis-Chlordane, oxy-Chlordane, trans-Chlordane, cis-Chlordane, trans-Nonachlor detects. If all ND, reported as the highest individual analyte DL.

0 500 1,000 2,000 Feet

<=0.023
>0.023 - <=0.053
>0.053 - <=0.0763
>0.0763 - <=0.11
>0.11

LRC △Benthic □SSP ☆SSP 2

Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM
November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

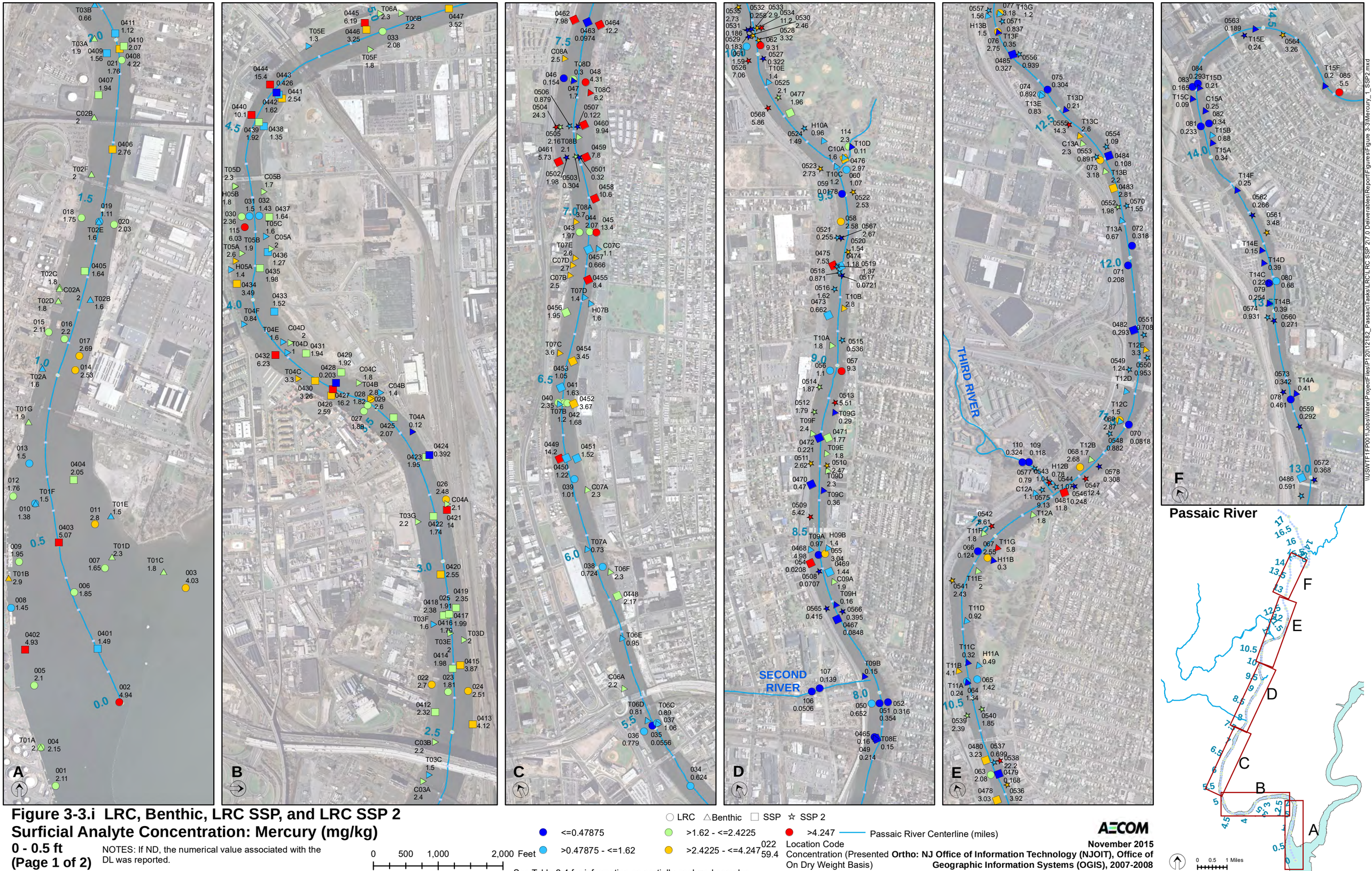

Figure 3-3.i LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Mercury (mg/kg)

0 - 0.5 ft (Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

<=0.47875
>0.47875 - <=1.62
LRC △Benthic □ SSP ☆ SSP 2
>1.62 - <=2.4225
>2.4225 - <=4.247
>4.247
Passaic River Centerline (miles)
022 59.4 Location Code Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

\\US\WTF1\FP001\Jobs\Water\ProjectFiles\P120112182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure 3-3\Mercury_1_SSP2.mxd

Figure 3-3.i LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Mercury (mg/kg)

0 - 0.5 ft
(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=0.47875
● >0.47875 - <=1.62
● >1.62 - <=2.4225
● >2.4225 - <=4.247
● >4.247
Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

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Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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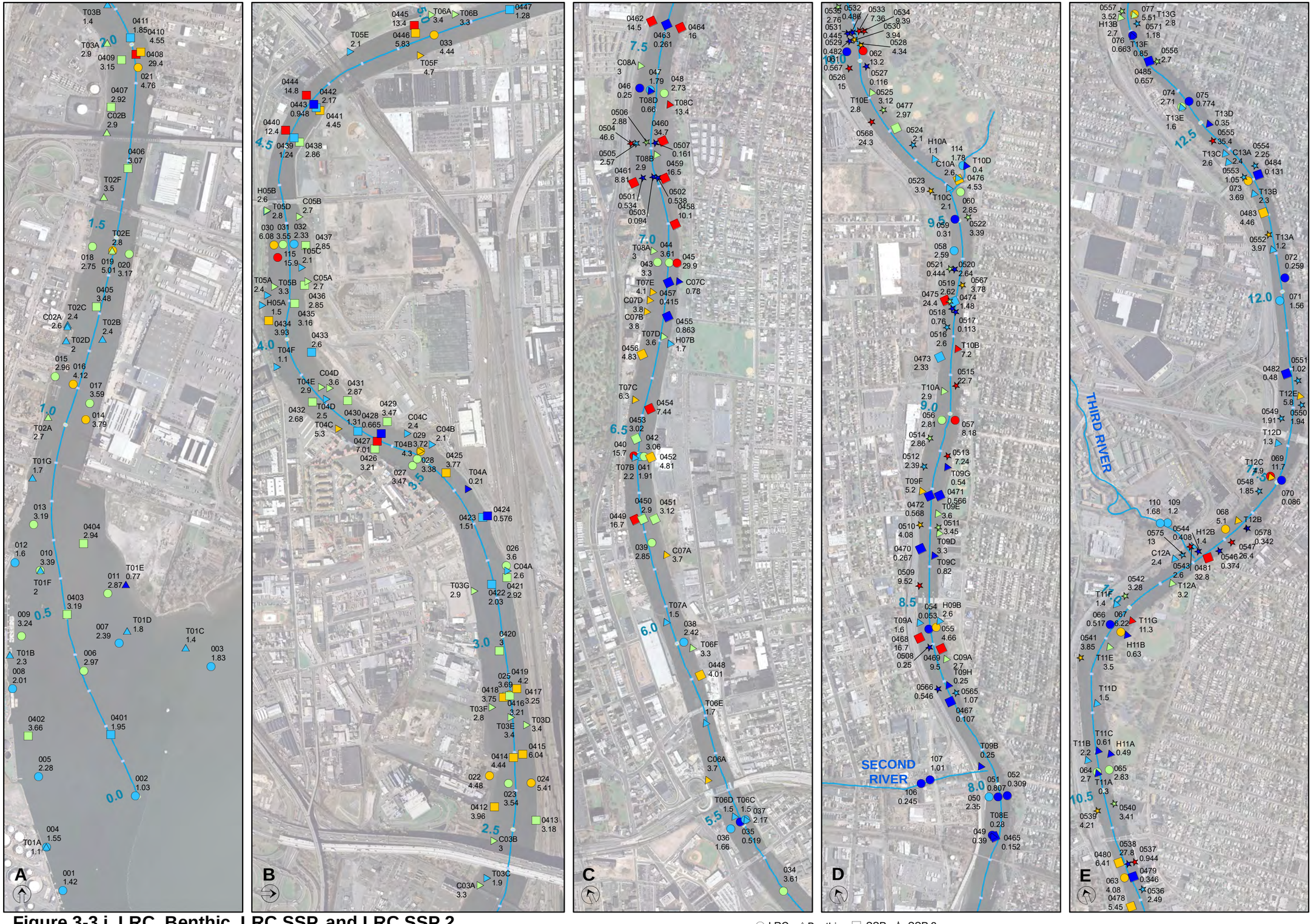

Figure 3-3.j LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Cadmium (mg/kg)
0 - 0.5 ft
(Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

<=1.015
>1.015 - <=2.60
>2.60 - <=3.675
>3.675 - <=6.77
>6.77
Passaic River Centerline (miles)
022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM
November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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Figure 3-3.j LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Cadmium (mg/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=1.015 ● >1.015 - <=2.60 ● >2.60 - <=3.675 ● >3.675 - <=6.77 ● >6.77 — Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

AECOM
Novembver 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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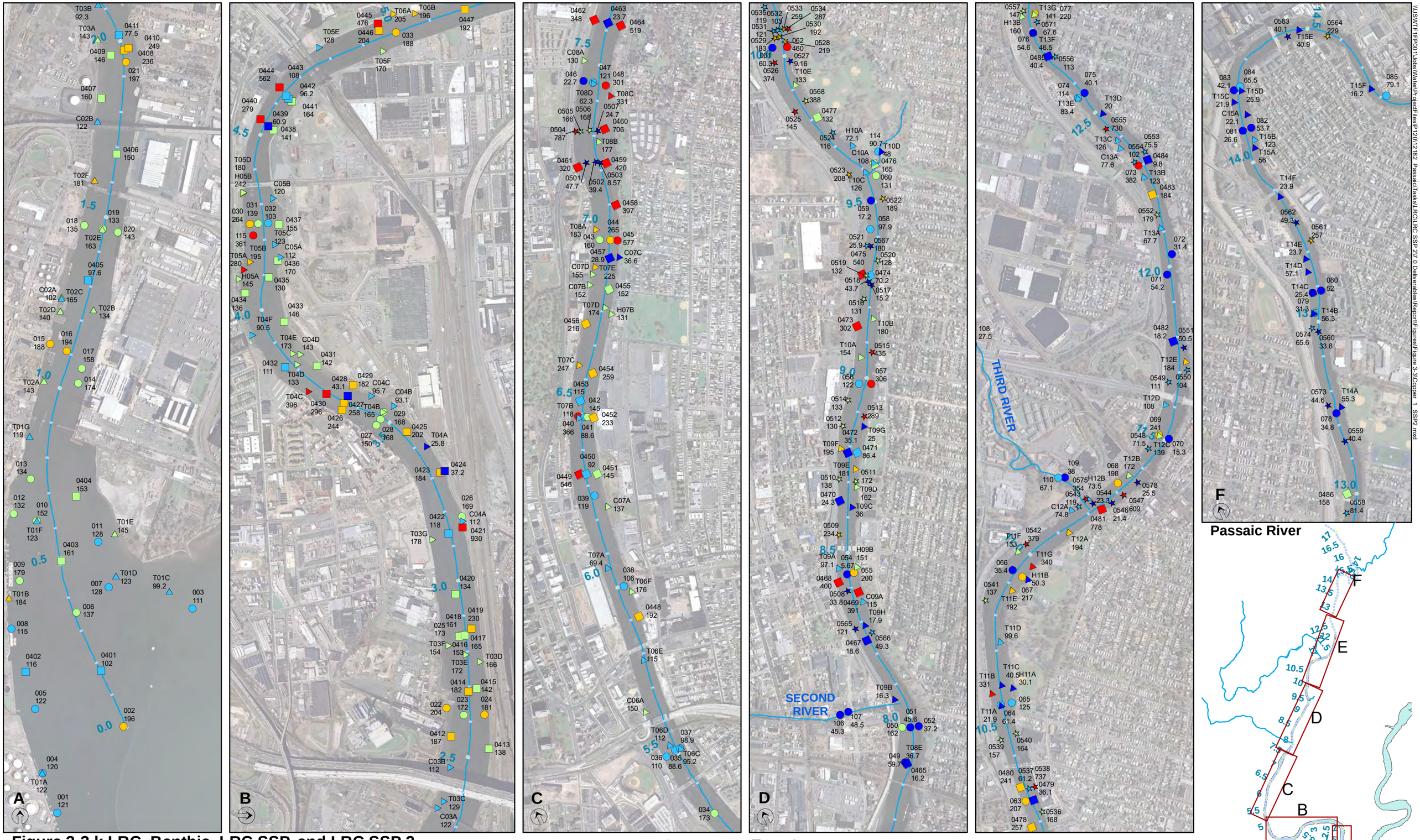

Figure 3-3.k LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Copper (mg/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=61.05
● >61.05 - <=129
● >129 - <=180
● >180 - <=273.4
● >273.4
Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015
Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

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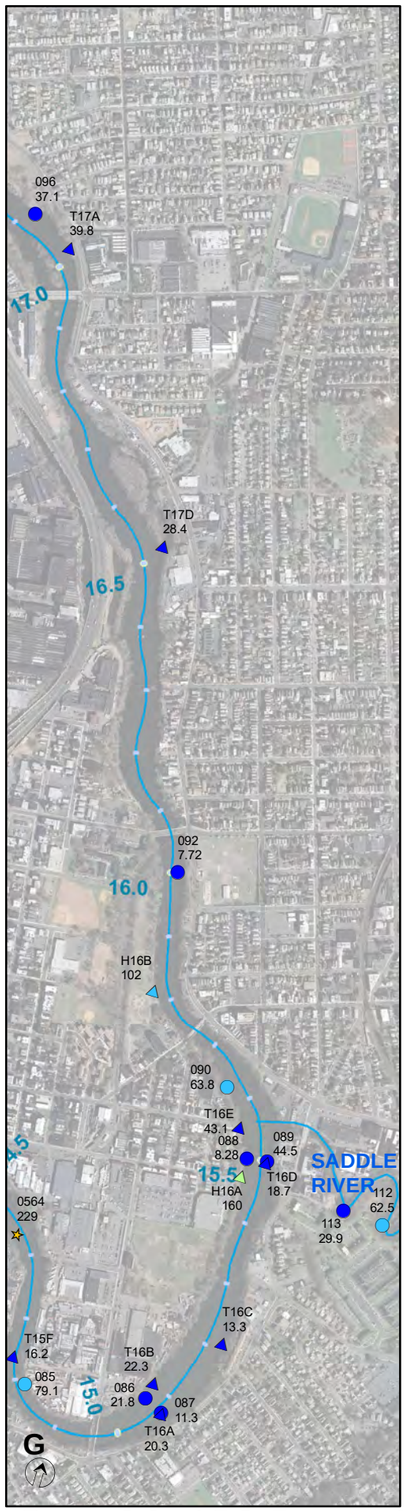

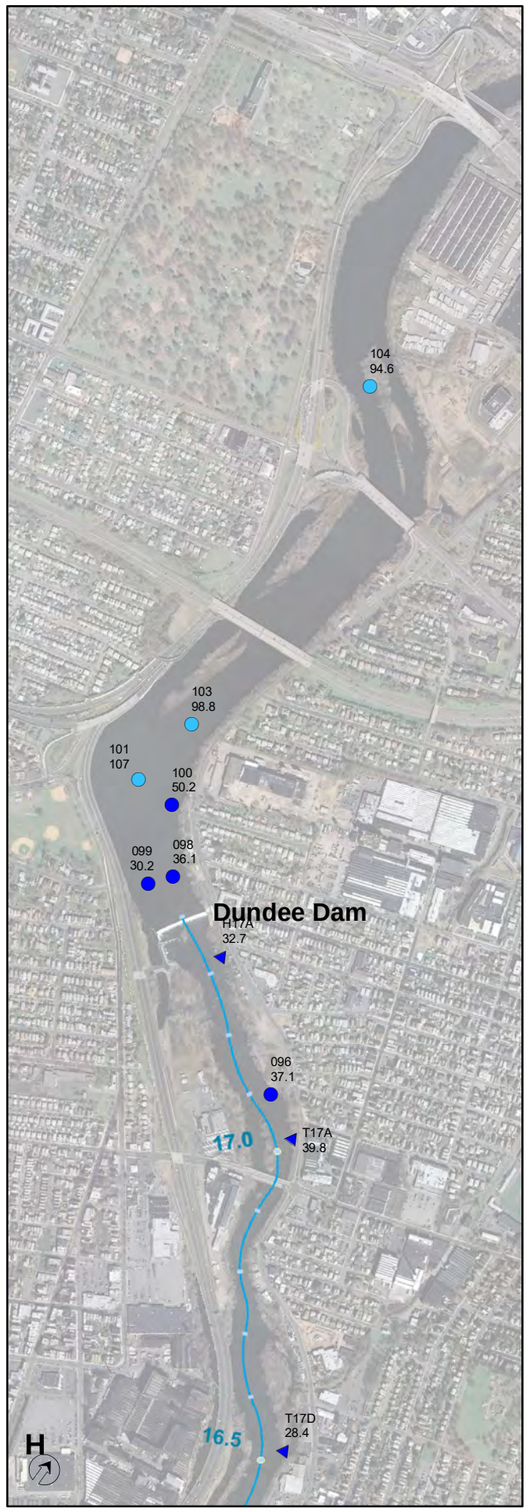

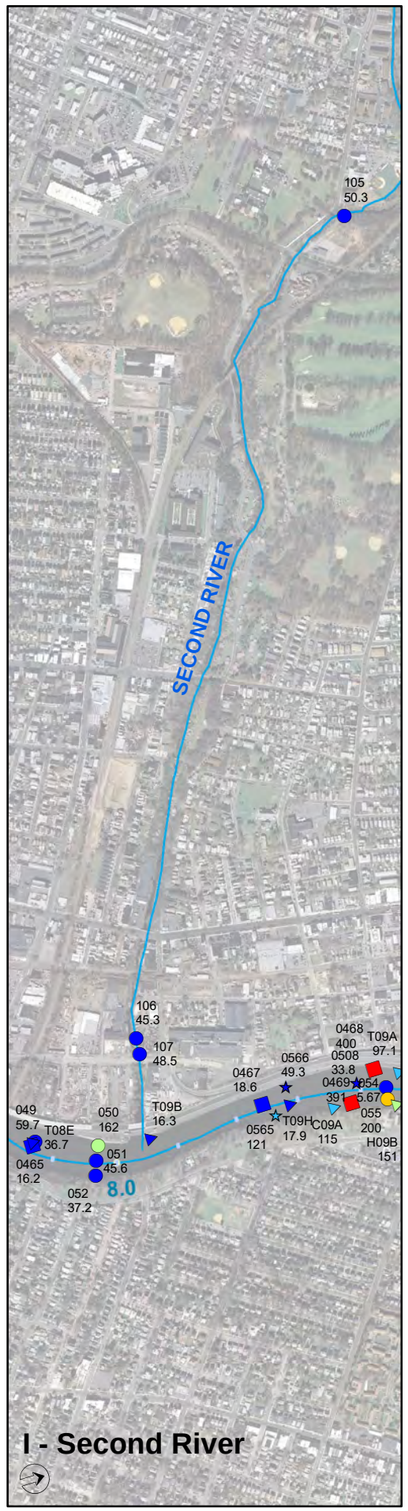

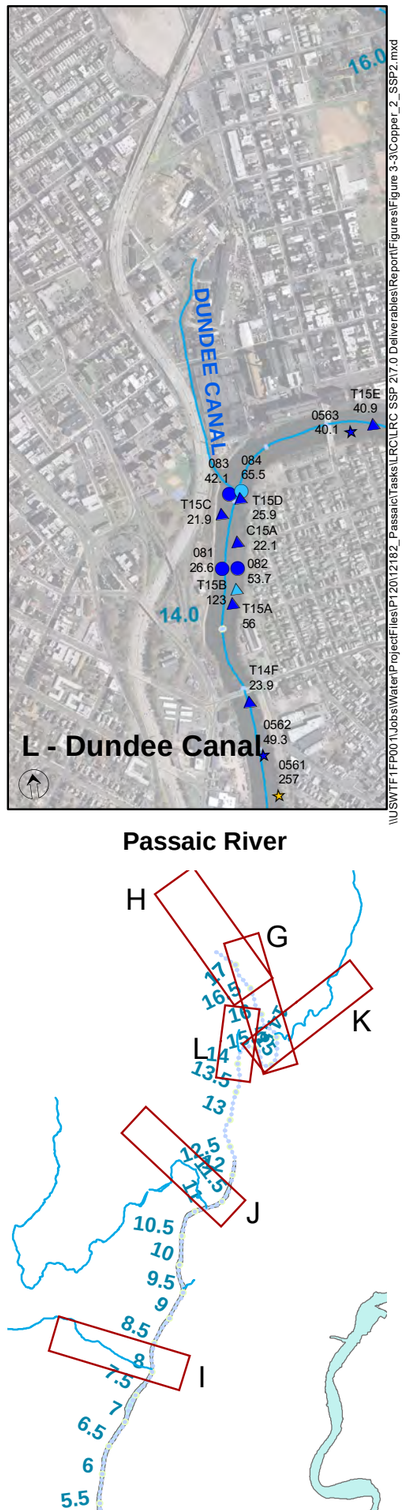

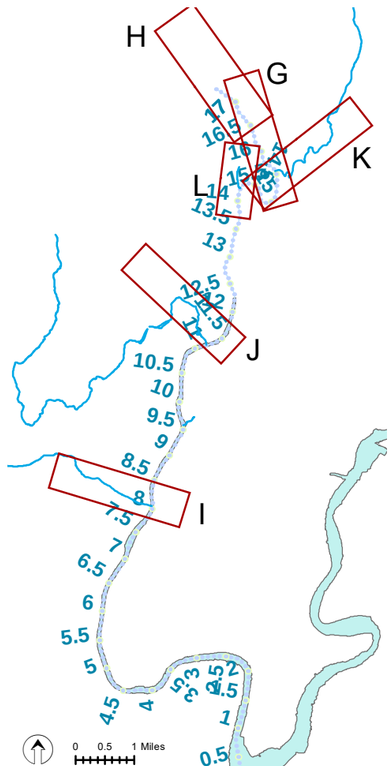

Figure 3-3.k LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: Copper (mg/kg)
0 - 0.5 ft
(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

LRC △Benthic □SSP ☆SSP 2

<=61.05
>61.05 - <=129
>129 - <=180
>180 - <=273.4
>273.4
Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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Figure 3-3.l LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Lead (mg/kg)

0 - 0.5 ft
(Page 1 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

LRC △Benthic □SSP ☆SSP 2

- ● <=128
- ● >128 - <=196
- ● >196 - <=261
- ● >261 - <=428
- ● >428
- Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

AECOM

November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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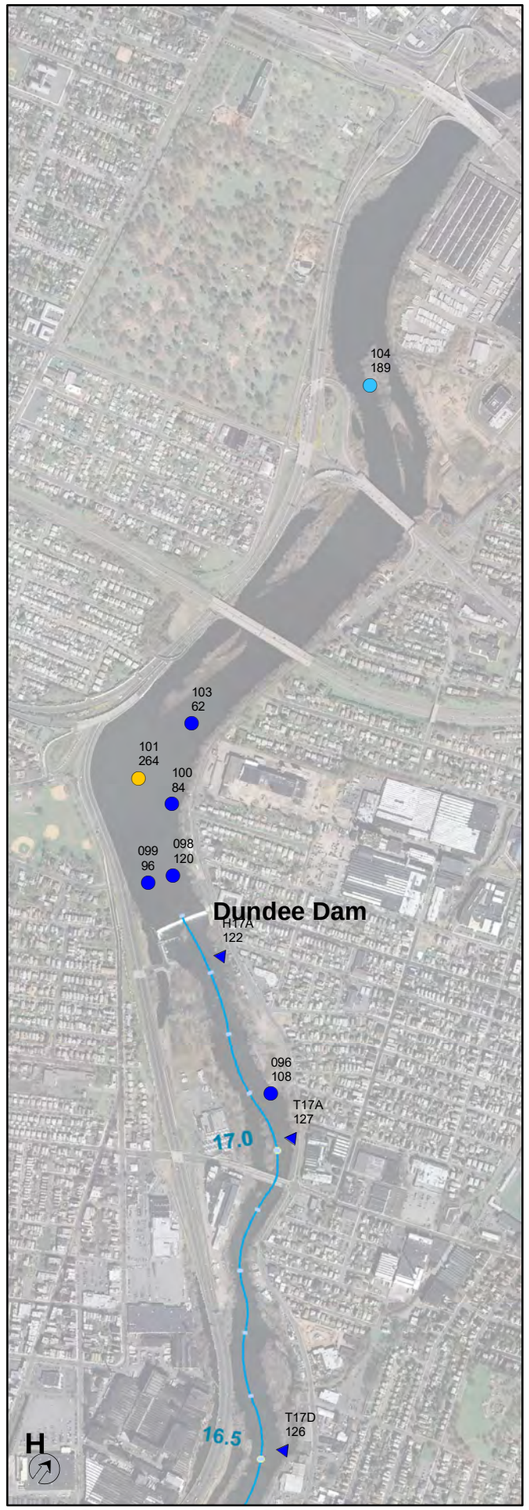

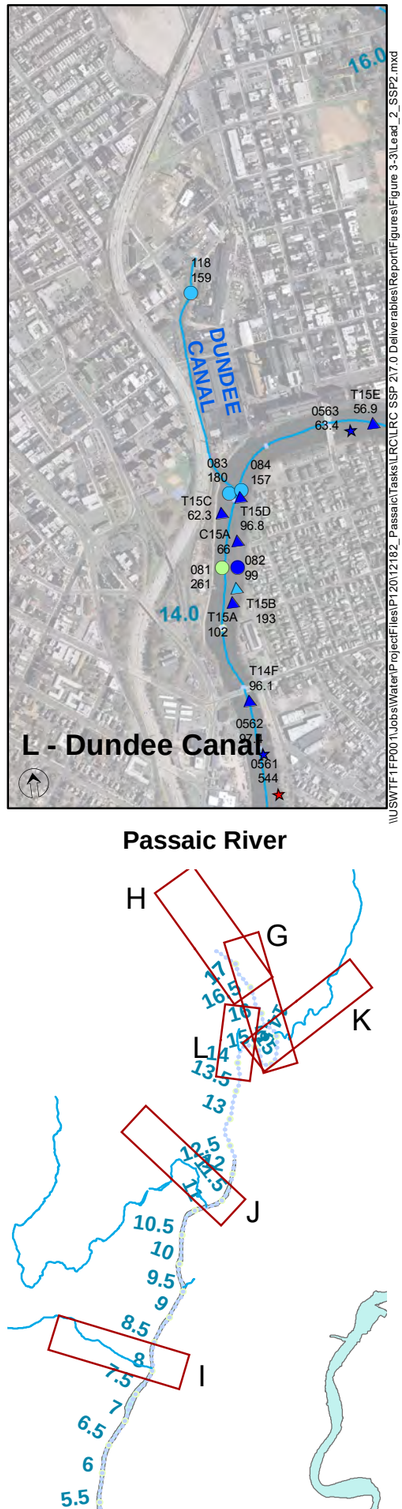

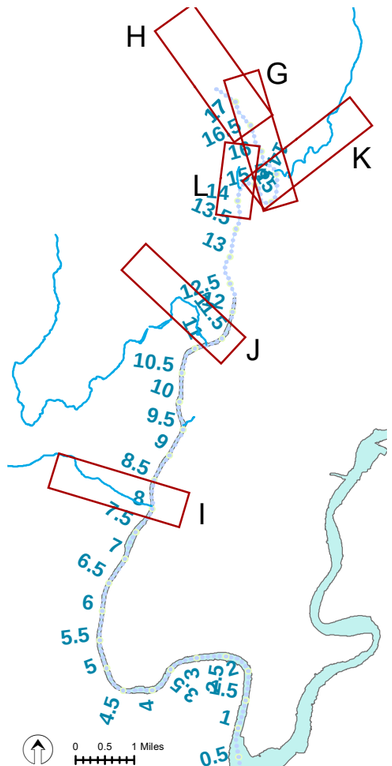

Figure 3-3.l LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Lead (mg/kg)

0 - 0.5 ft

(Page 2 of 2)

NOTES: If ND, the numerical value associated with the DL was reported.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=128 ● >128 - <=196 ● >196 - <=261 ● >261 - <=428 ● >428

Passaic River Centerline (miles)

022 Location Code

59.4 Concentration (Presented On Dry Weight Basis)

See Table 2-4 for information on partially analyzed samples.

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November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

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Figure 3-3.m LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: TOC (%)
0 - 0.5 ft
(Page 1 of 2)

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=2.50%
● >2.50% - <=4.40%
● >4.40% - <=6.00%
● >6.00% - <=7.83%
● >7.83%
Passaic River Centerline (miles)

022 Location Code
59.4 Concentration (Presented On Dry Weight Basis)

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

AECOM

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Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

0 0.5 1 Miles

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Figure 3-3.m LRC, Benthic, LRC SSP, and LRC SSP 2
Surficial Analyte Concentration: TOC (%)
0 - 0.5 ft
(Page 2 of 2)

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=2.50%
● >2.50% - <=4.40%
● >4.40% - <=6.00%
● >6.00% - <=7.83%
● >7.83%

022 59.4 Location Code Concentration (Presented On Dry Weight Basis)

Passaic River Centerline (miles)

0 500 1,000 2,000 Feet

See Table 2-4 for information on partially analyzed samples.

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Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008

G

H

I - Second River

J - Third River

K - Saddle River

L - Dundee Canal

Passaic River

0 0.5 1 Miles

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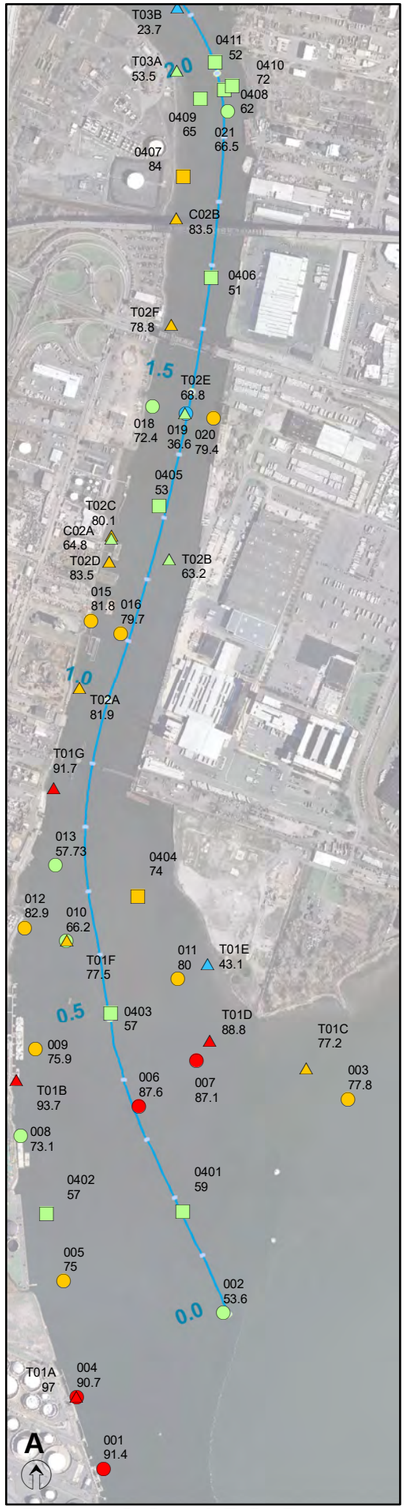

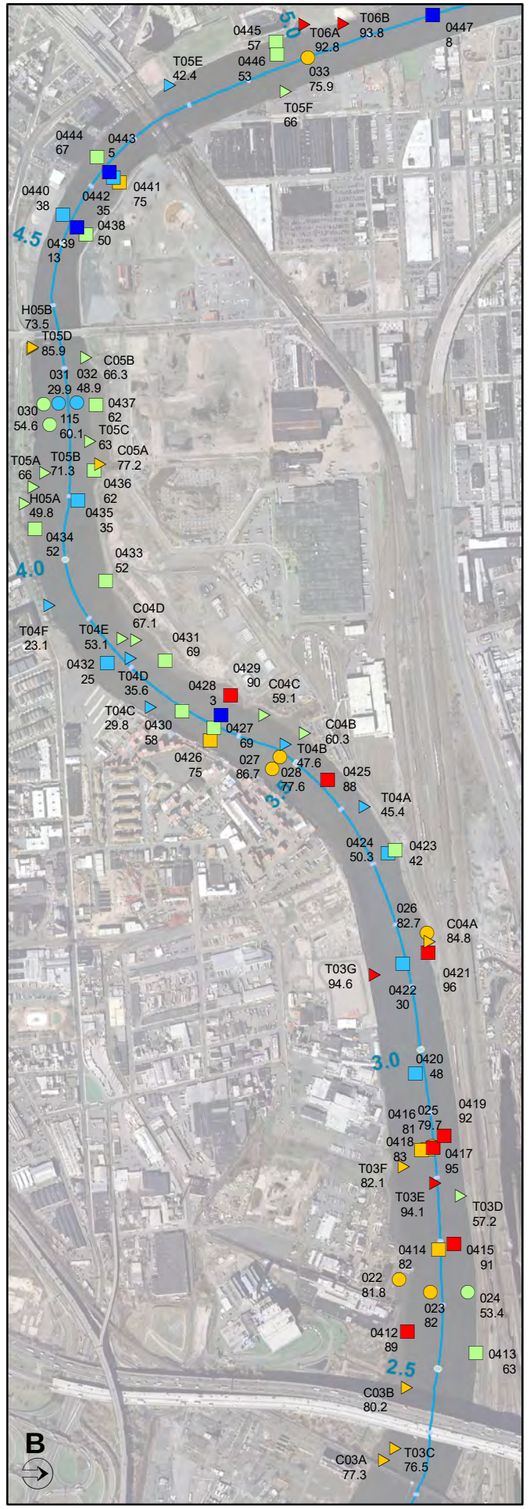

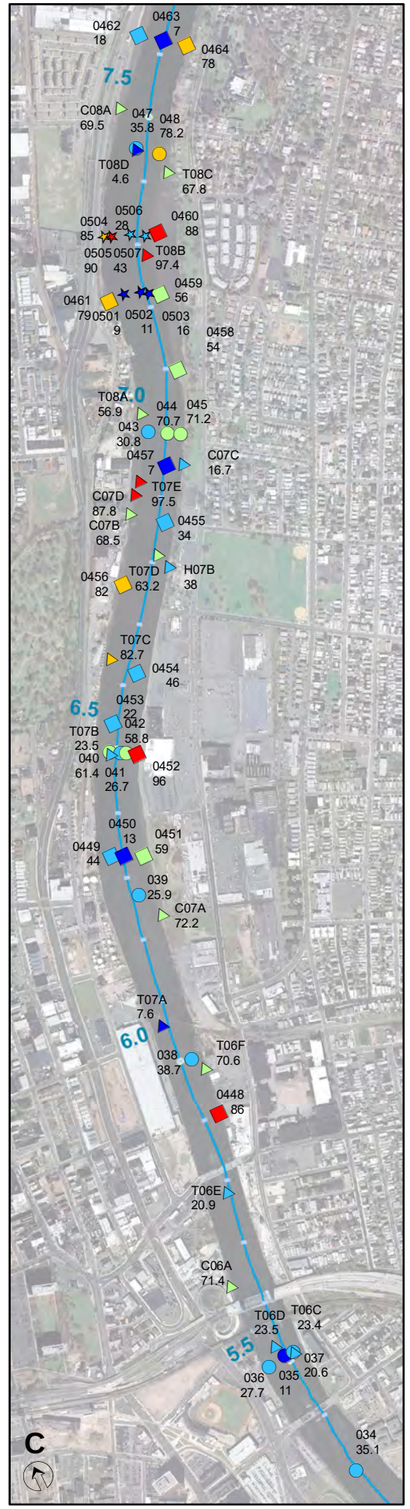

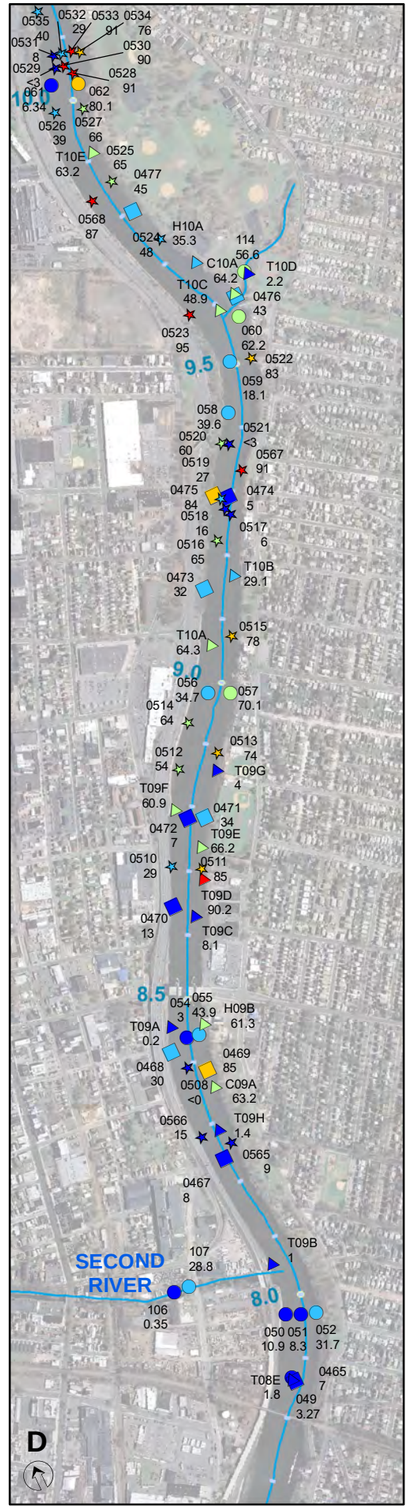

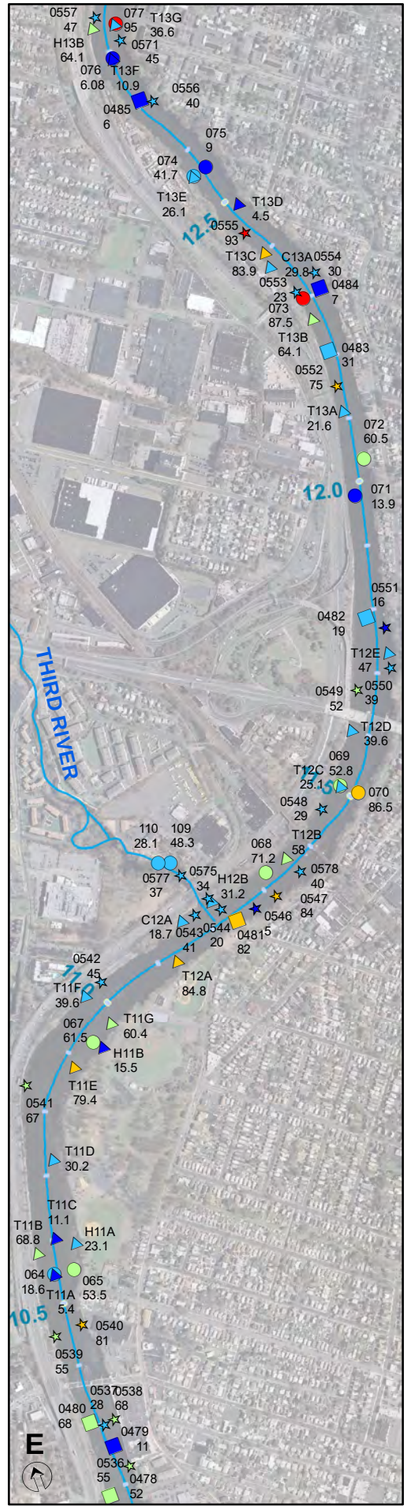

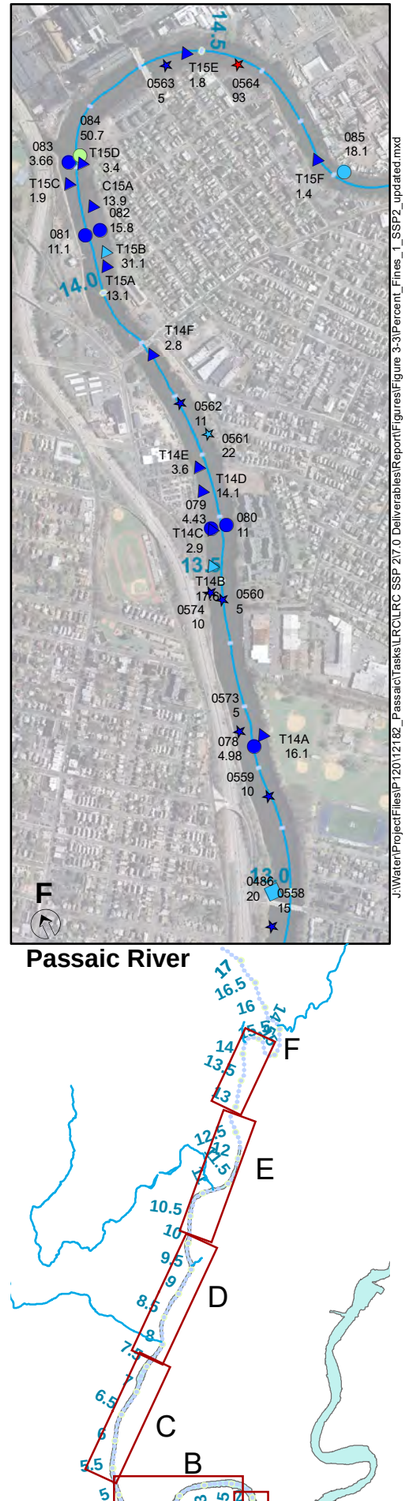

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Figure 3-3.n LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Percent Fines (%)

0 - 0.5 ft
(Page 1 of 2)

NOTES: Percent passing Sieve #230 for LRC and LRC SSP (where data available); percent passing Sieve #200 for benthic and one location for LRC SSP (12A-0424, where Sieve #230 data not available); implied sum of silt and clay grain size fractions.

0 500 1,000 2,000 Feet

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=16.1% ● >16.1% - <=48.3% ● >48.3% - <=73.1% ● >73.1% - <=85.9% ● >85.9%

Passaic River Centerline (miles)

022 Location Code
59.4 Percentage

See Table 2-4 for information on partially analyzed samples.

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November 2015

Ortho: NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), 2007-2008e

Figure 3-3.n LRC, Benthic, LRC SSP, and LRC SSP 2 Surficial Analyte Concentration: Percent Fines (%)

0 - 0.5 ft
(Page 2 of 2)

NOTES: Percent passing Sieve #230 for LRC and LRC SSP (where data available); percent passing Sieve #200 for benthic and one location for LRC SSP (12A-0424, where Sieve #230 data not available); implied sum of silt and clay grain size fractions.

○ LRC △ Benthic □ SSP ☆ SSP 2

● <=16.1% ● >16.1% - <=48.3% ● >48.3% - <=73.1% ● >73.1% - <=85.9% ● >85.9%

Passaic River Centerline (miles)

022 Location Code
59.4 Percentage

See Table 2-4 for information on partially analyzed samples.

0 500 1,000 2,000 Feet

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November 2015

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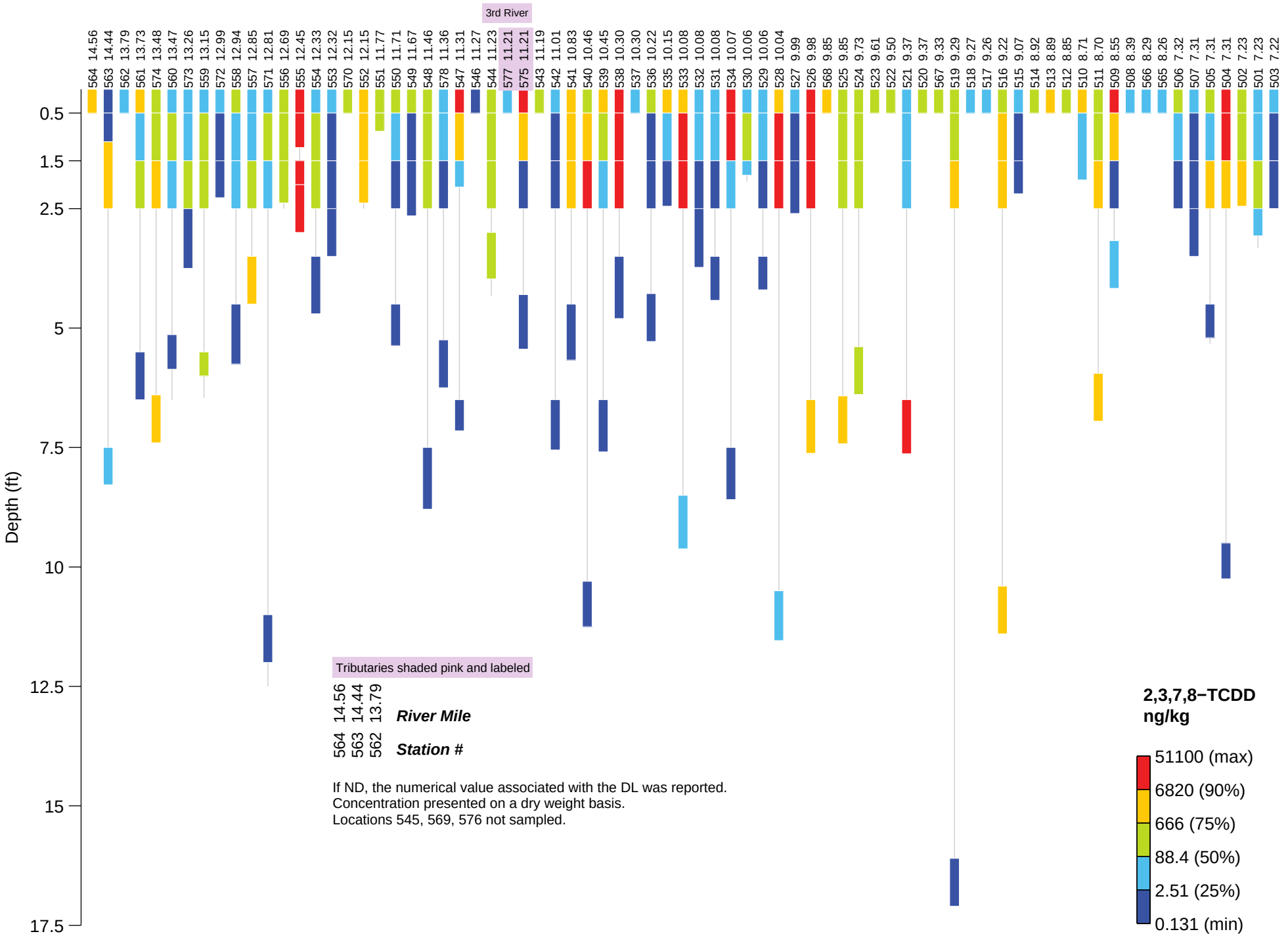

Figure 3−4.a Profiles of LRC SSP2 Core Data By River Mile and Depth: 2,3,7,8−TCDD

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November 2015

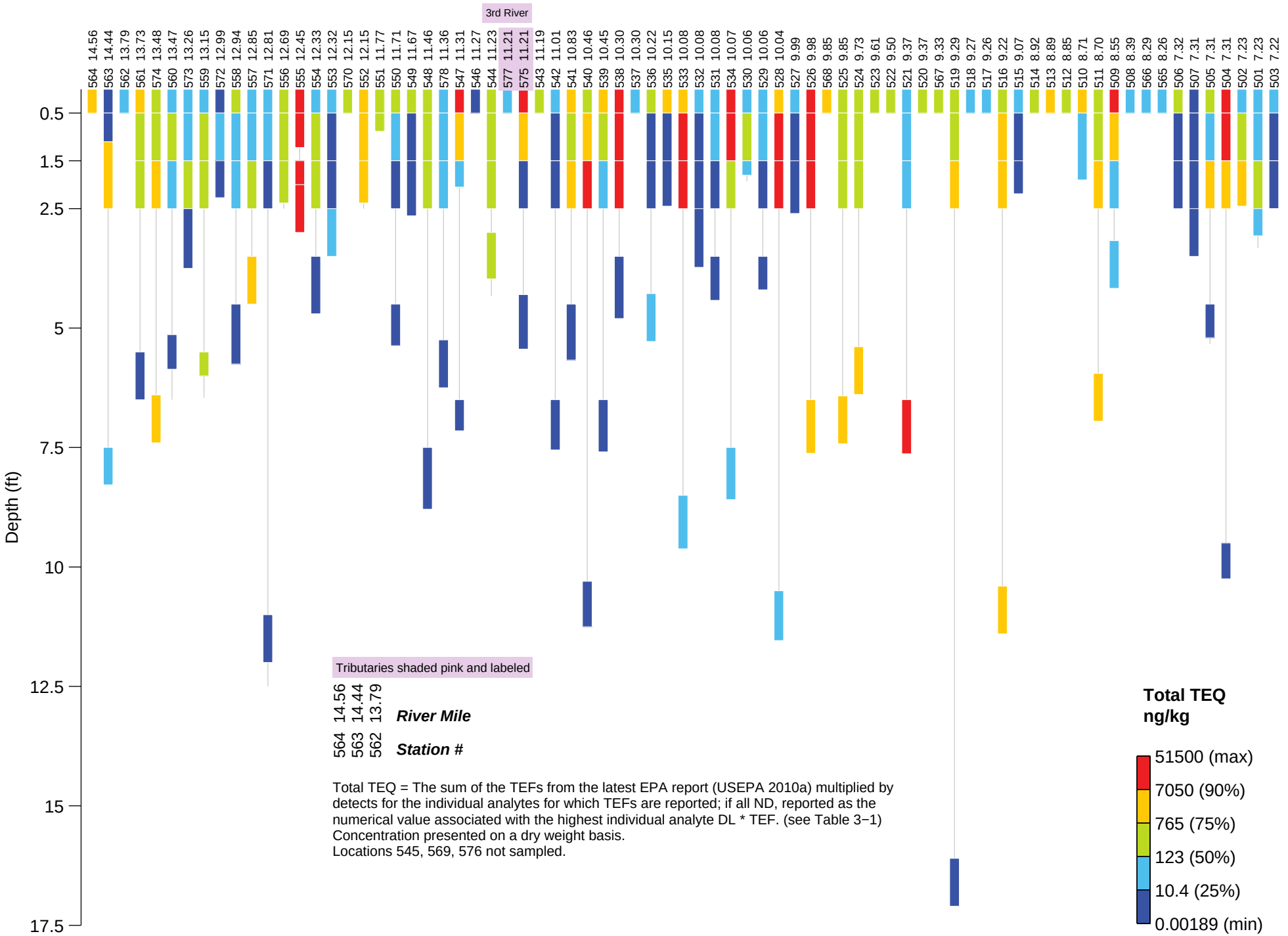

Figure 3−4.b Profiles of LRC SSP2 Core Data By River Mile and Depth: Total TEQ

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November 2015

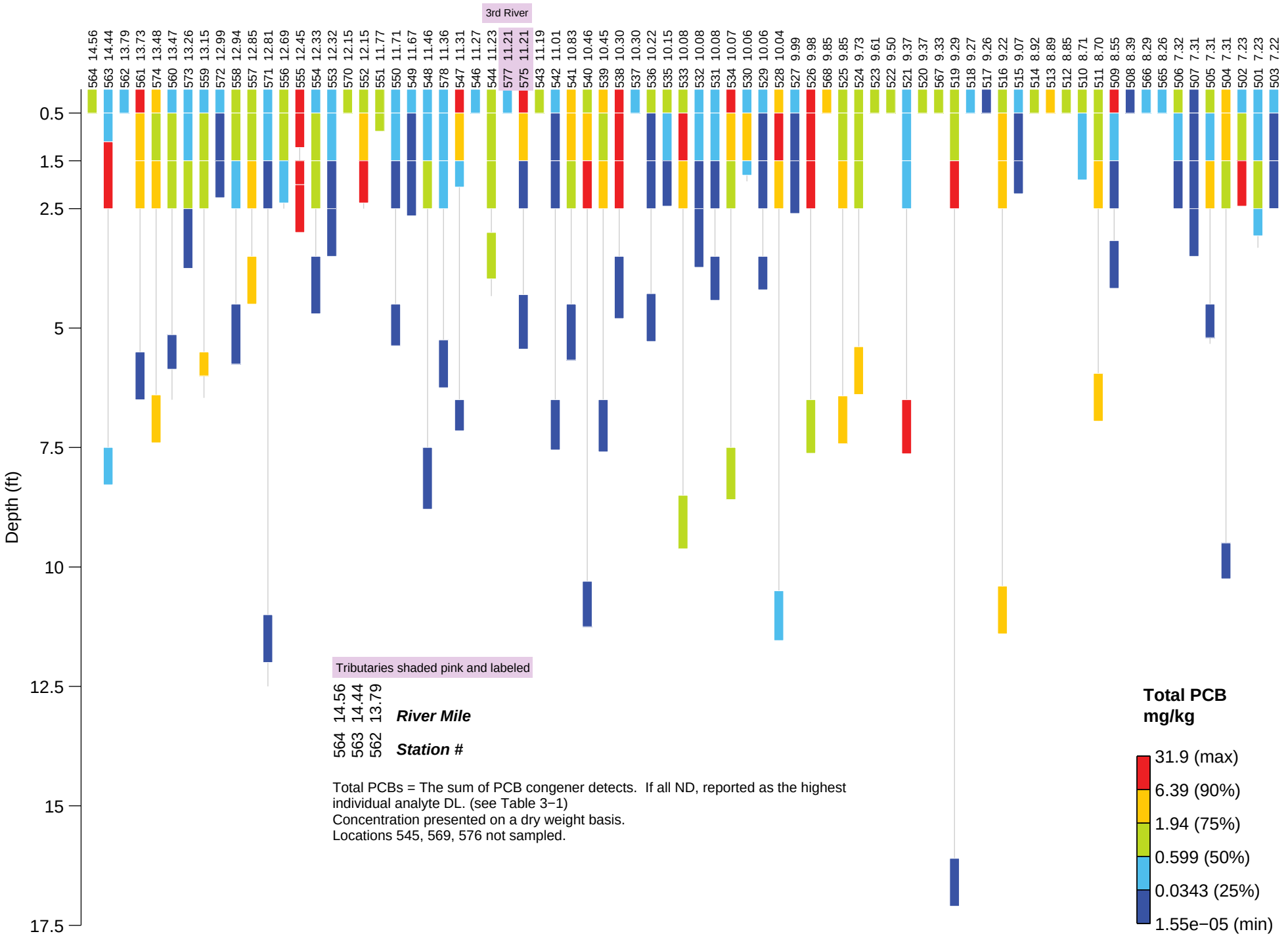

Figure 3−4.c Profiles of LRC SSP2 Core Data By River Mile and Depth: Total PCB

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November 2015

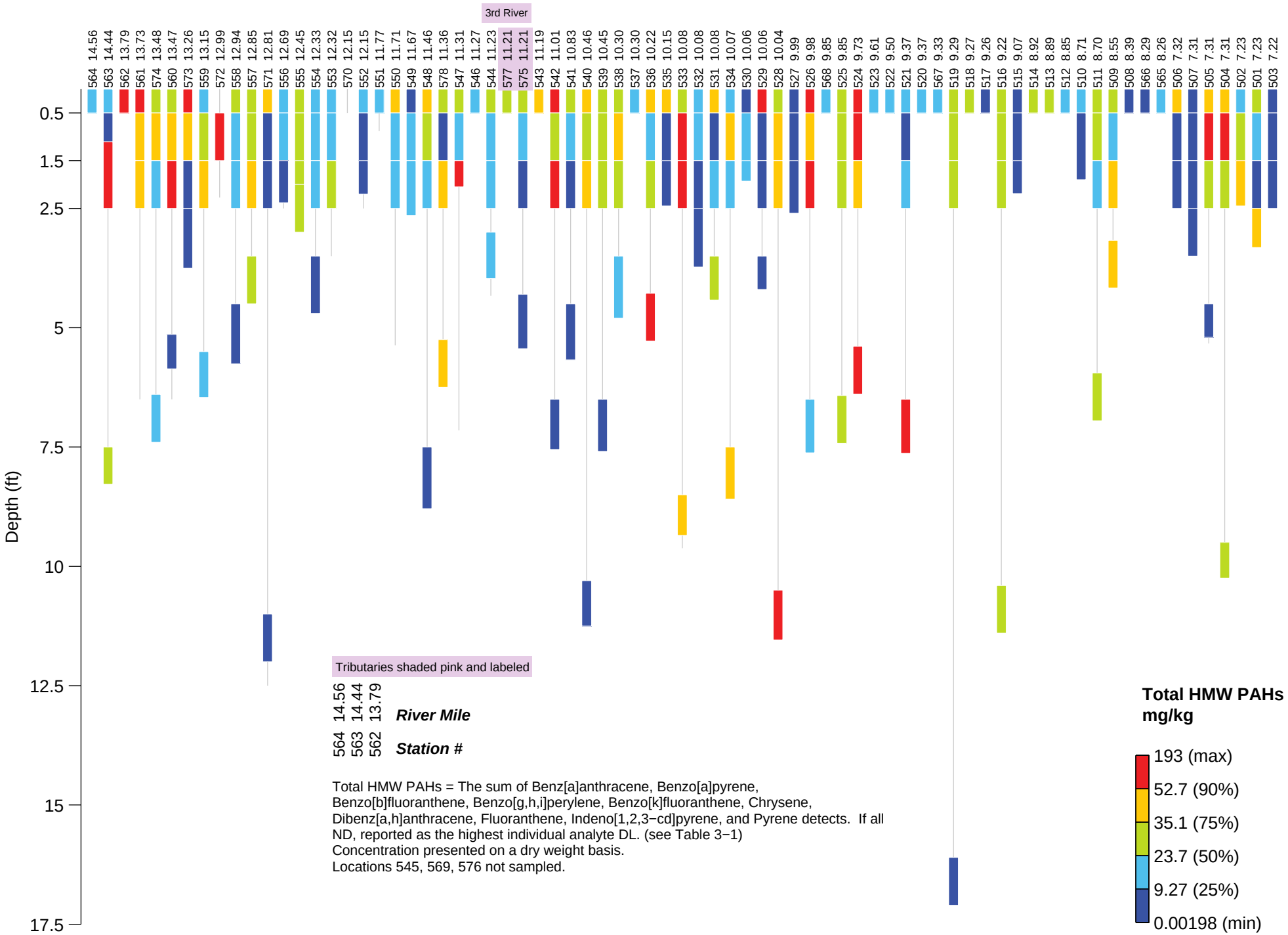

Figure 3−4.d Profiles of LRC SSP2 Core Data By River Mile and Depth: Total HMW PAHs

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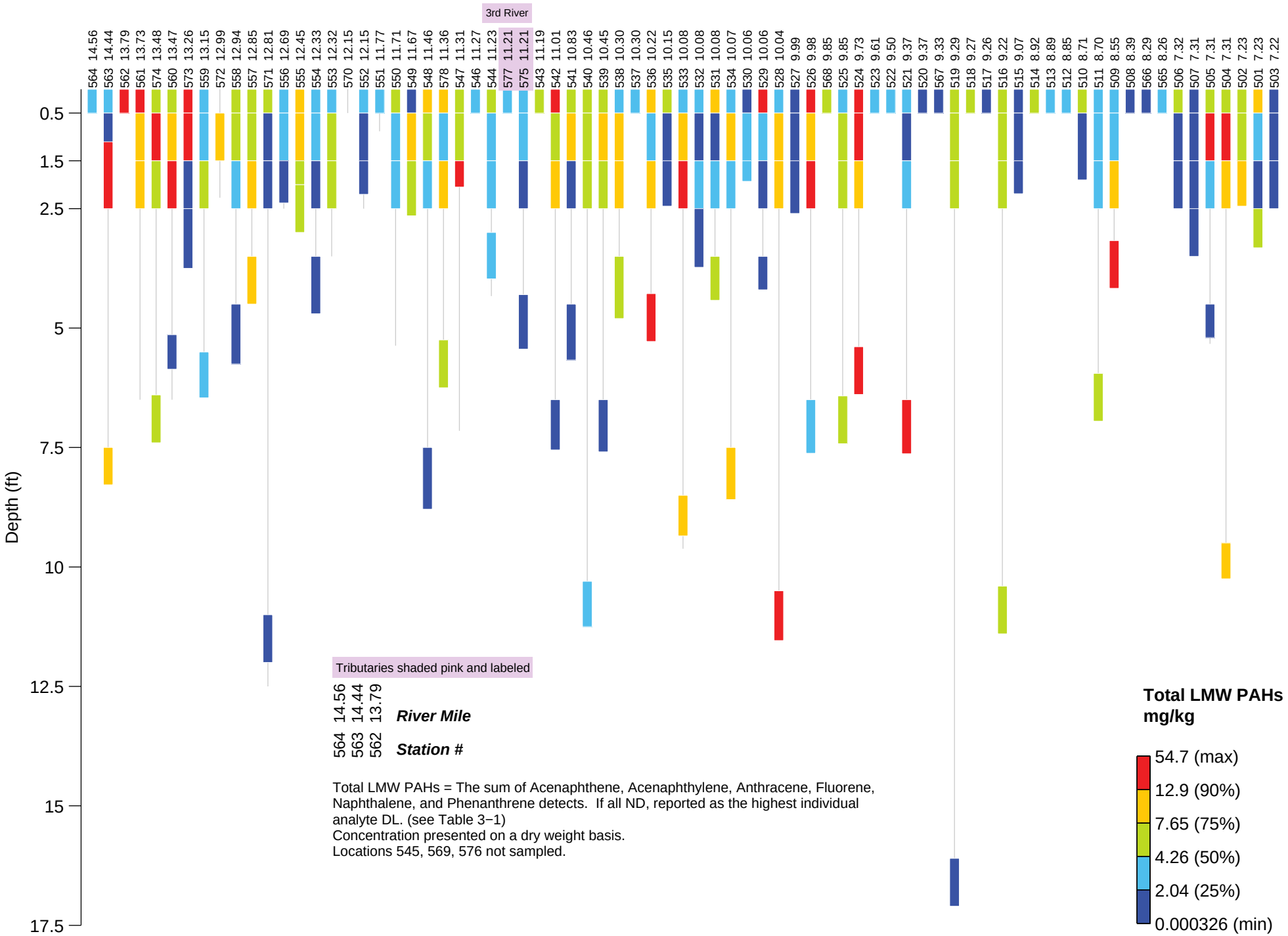

Figure 3−4.e Profiles of LRC SSP2 Core Data By River Mile and Depth: Total LMW PAHs

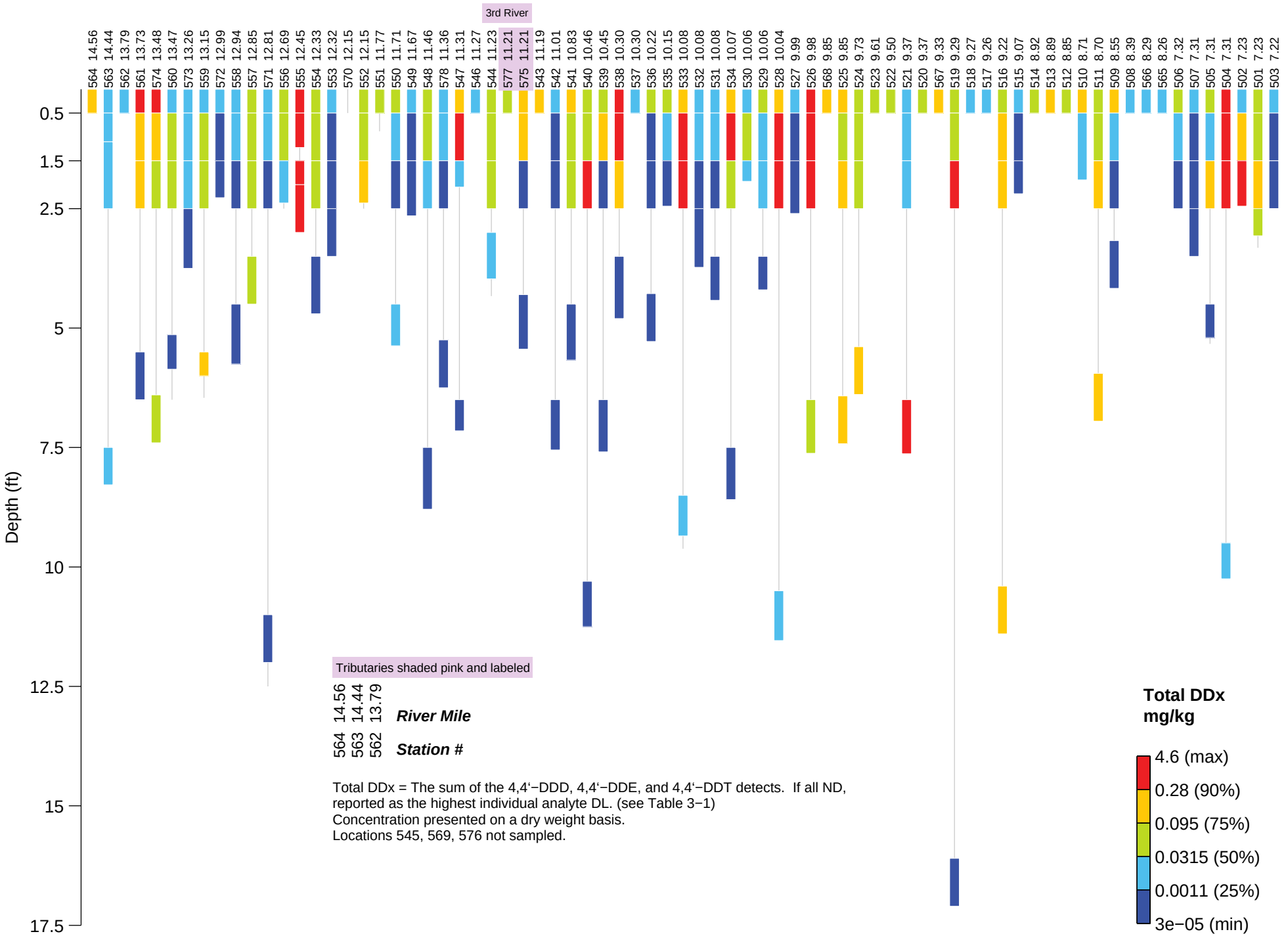

Figure 3−4.f Profiles of LRC SSP2 Core Data By River Mile and Depth: Total DDx

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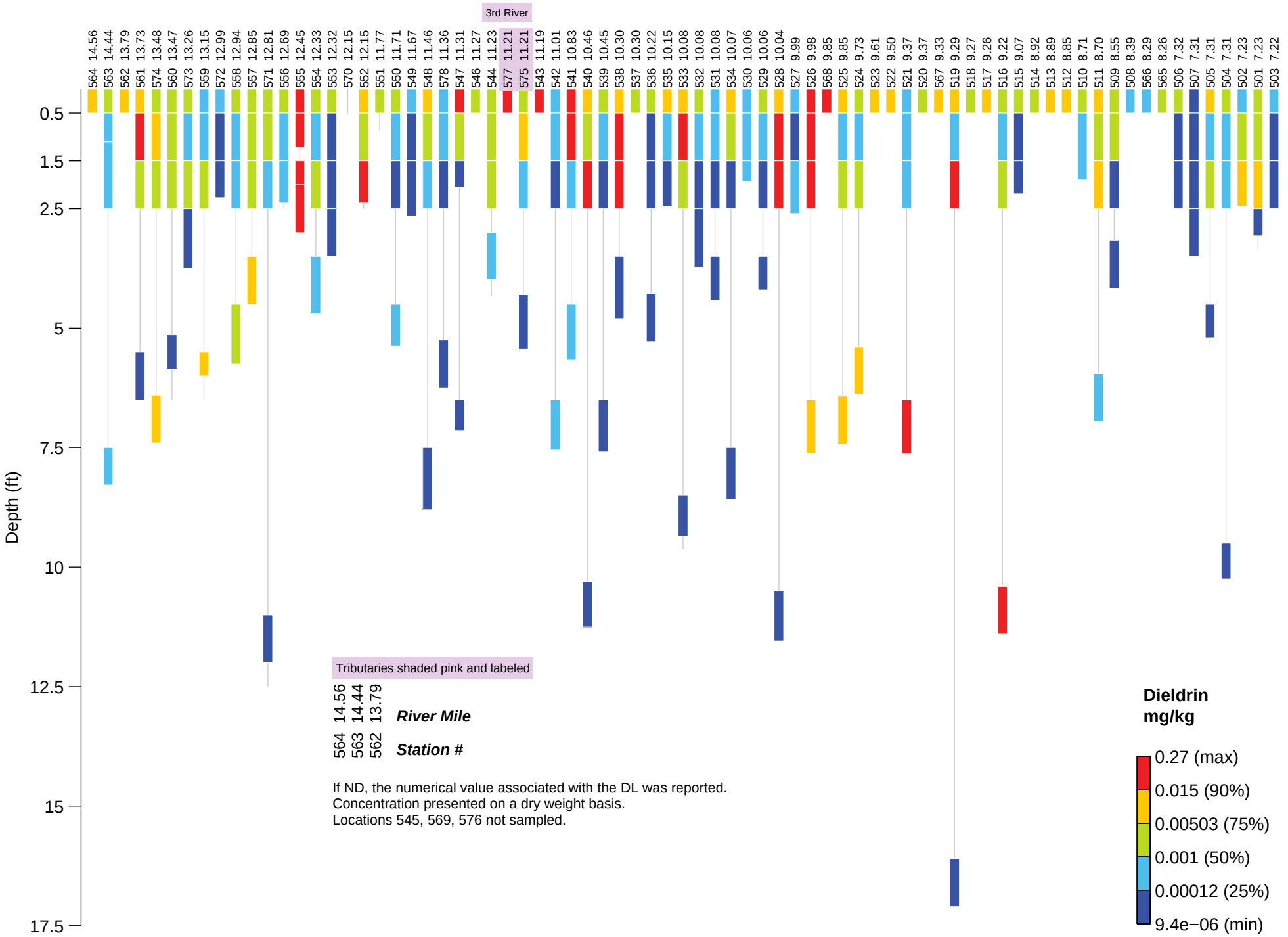

Figure 3−4.g Profiles of LRC SSP2 Core Data By River Mile and Depth: Dieldrin

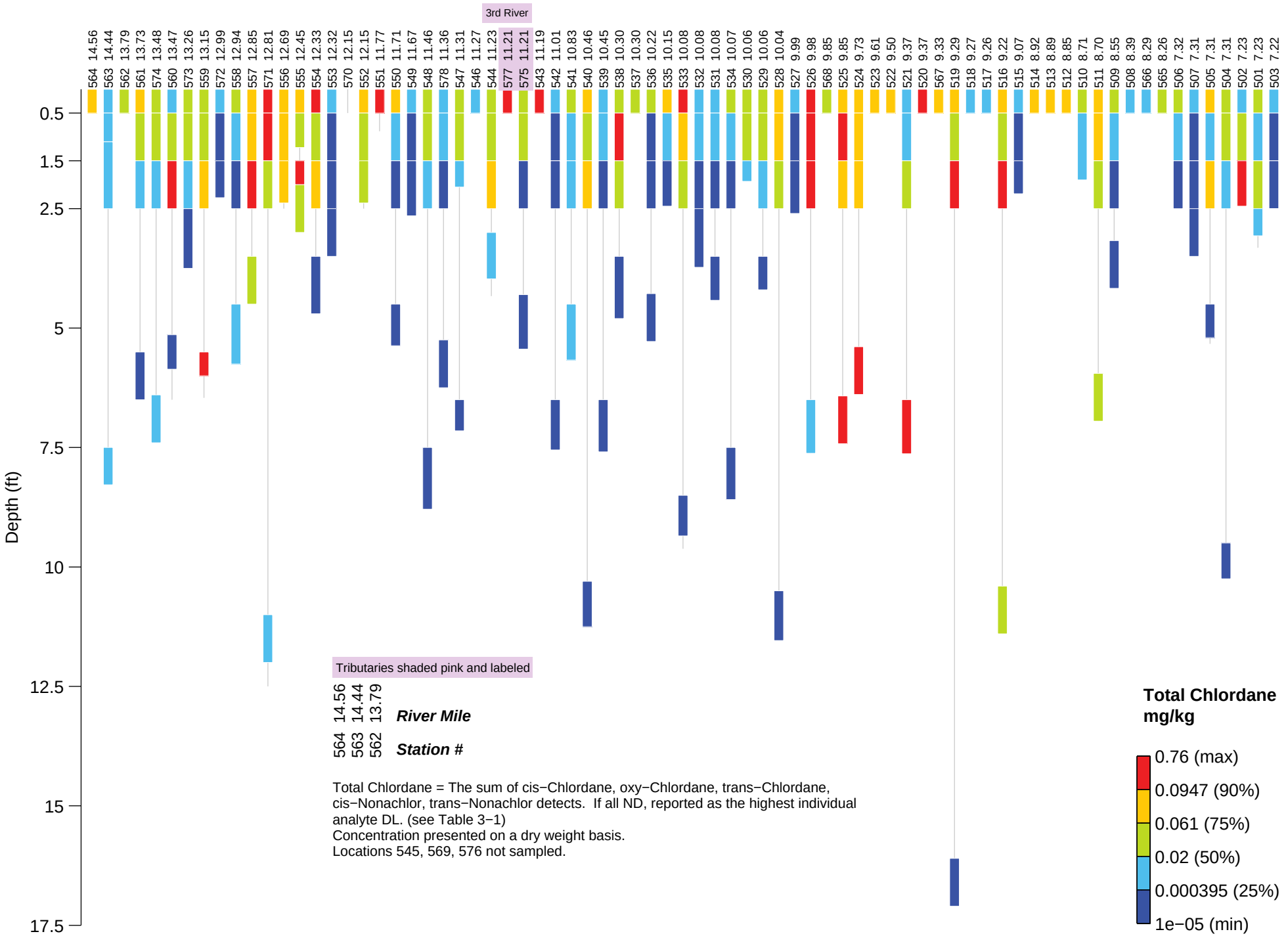

Figure 3−4.h Profiles of LRC SSP2 Core Data By River Mile and Depth: Total Chlordane

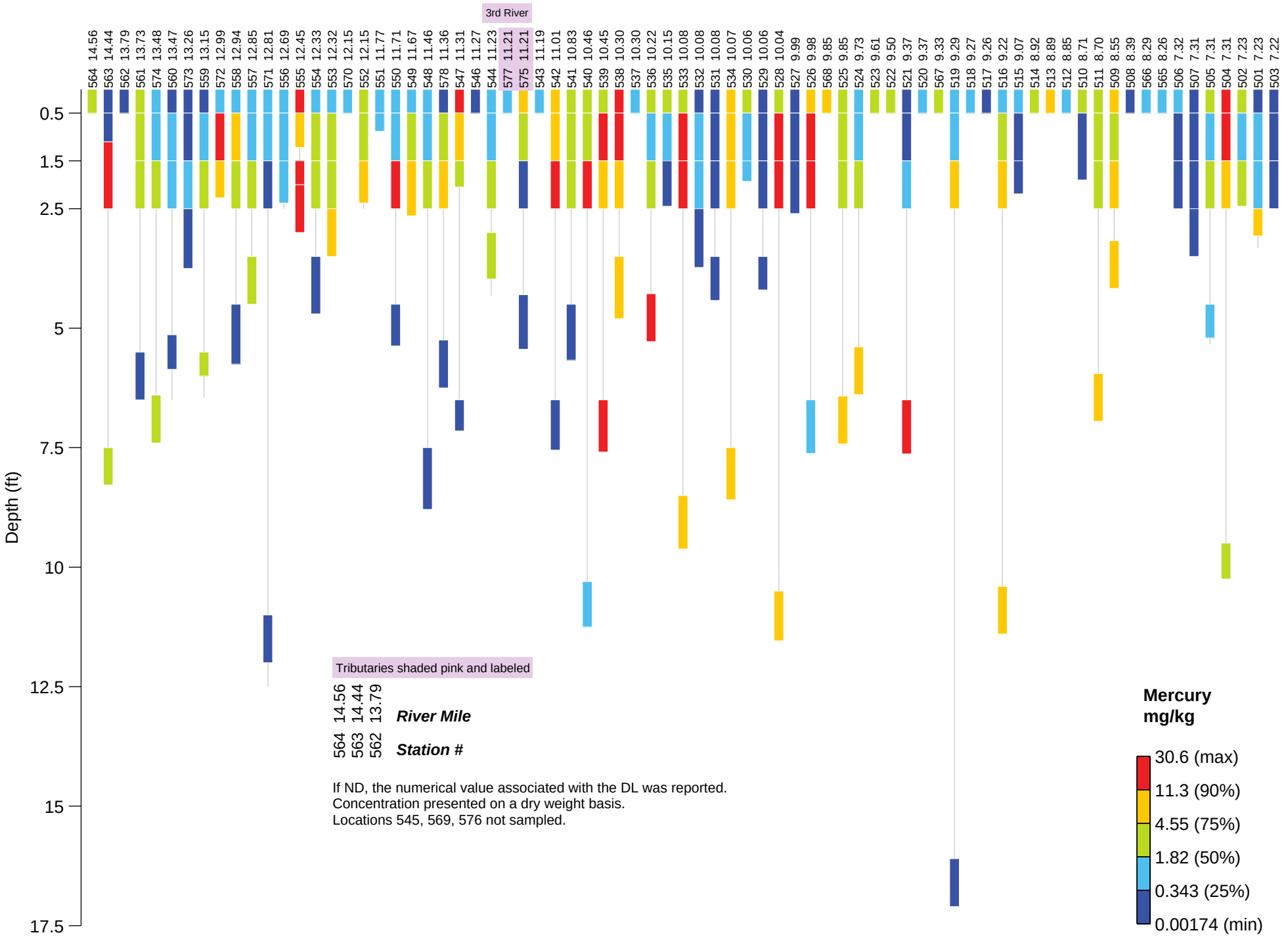

Figure 3−4.i Profiles of LRC SSP2 Core Data By River Mile and Depth: Mercury

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November 2015

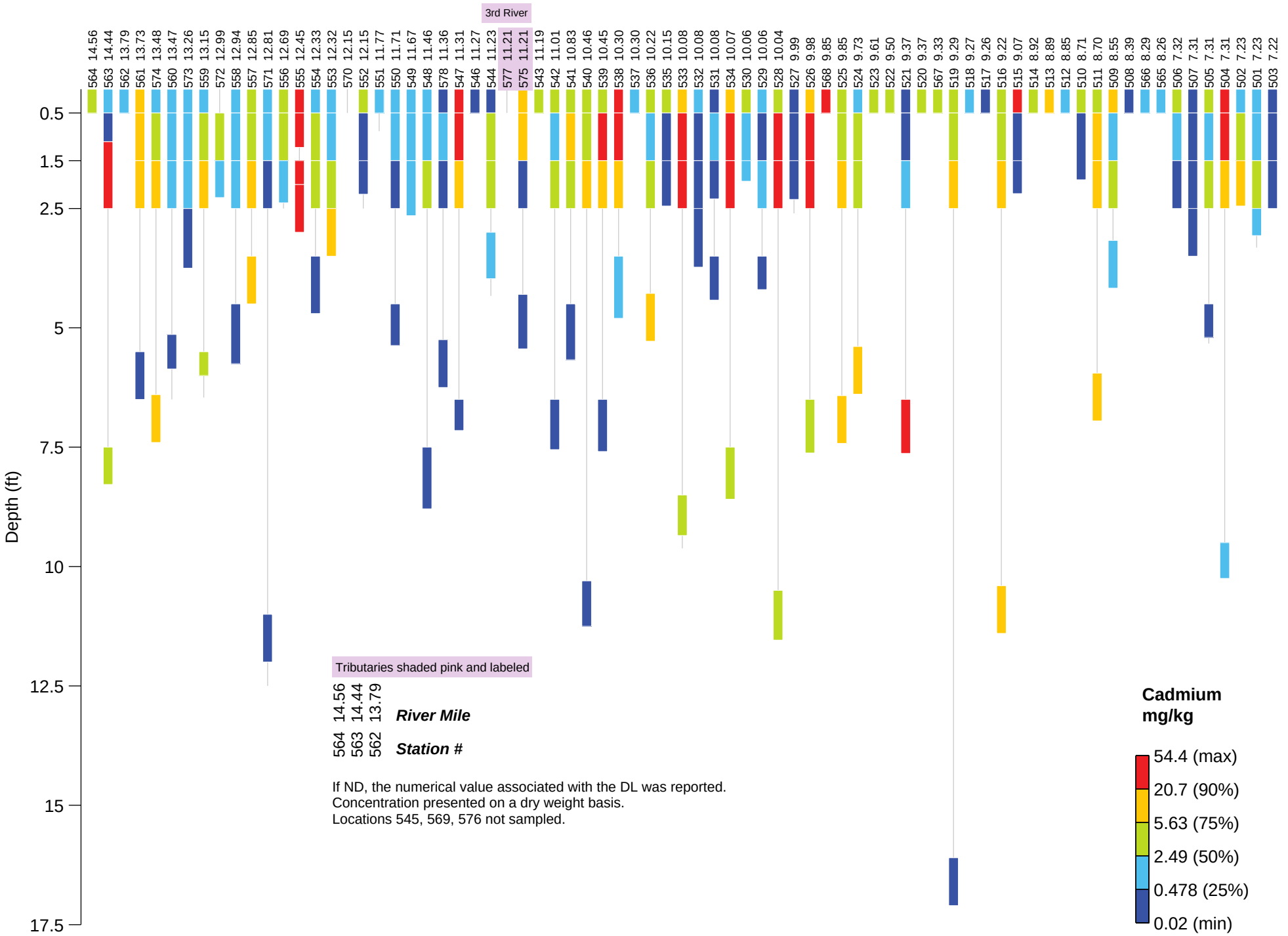

Figure 3−4.j Profiles of LRC SSP2 Core Data By River Mile and Depth: Cadmium

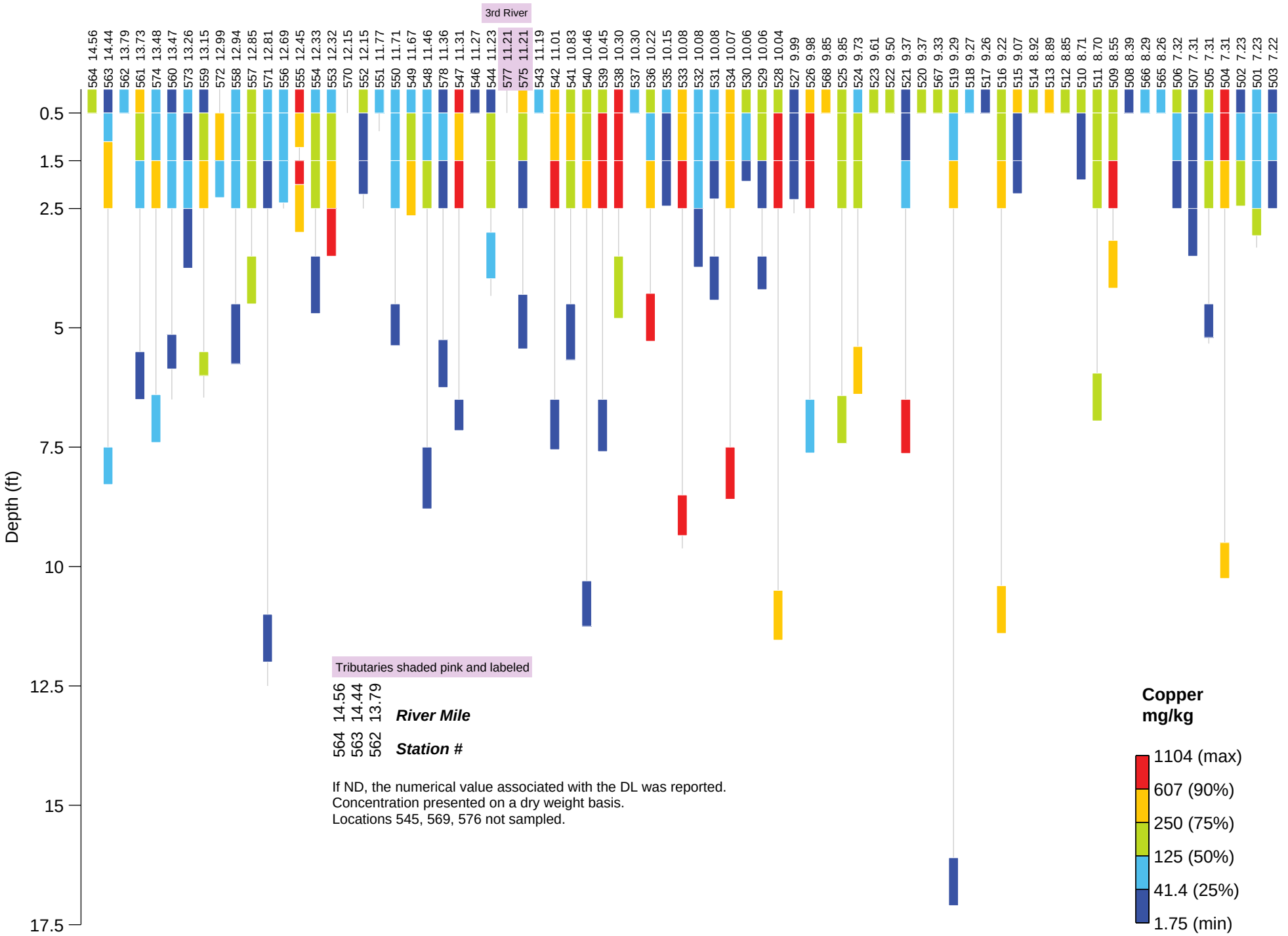

Figure 3−4.k Profiles of LRC SSP2 Core Data By River Mile and Depth: Copper

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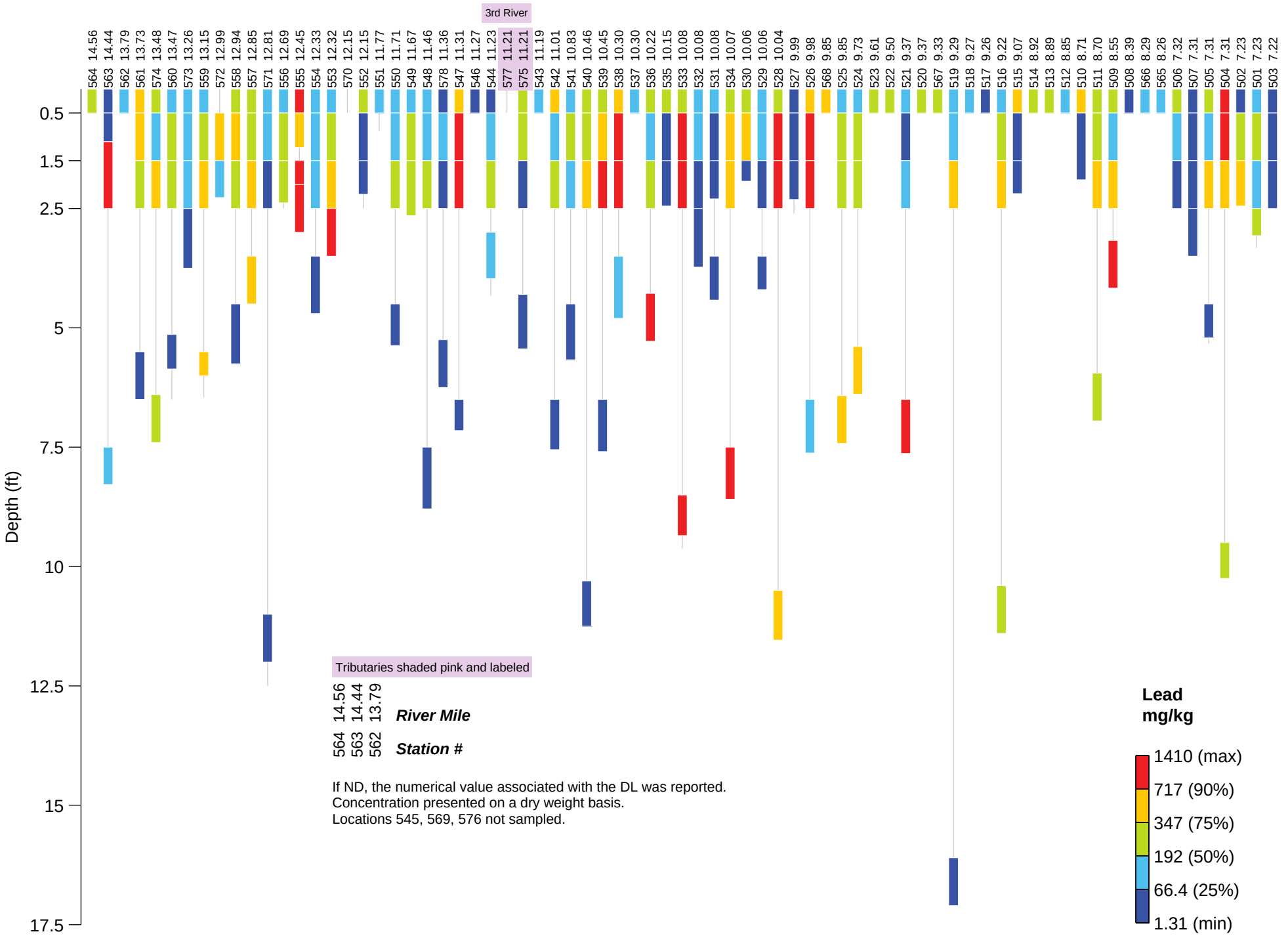

Figure 3−4.l Profiles of LRC SSP2 Core Data By River Mile and Depth: Lead

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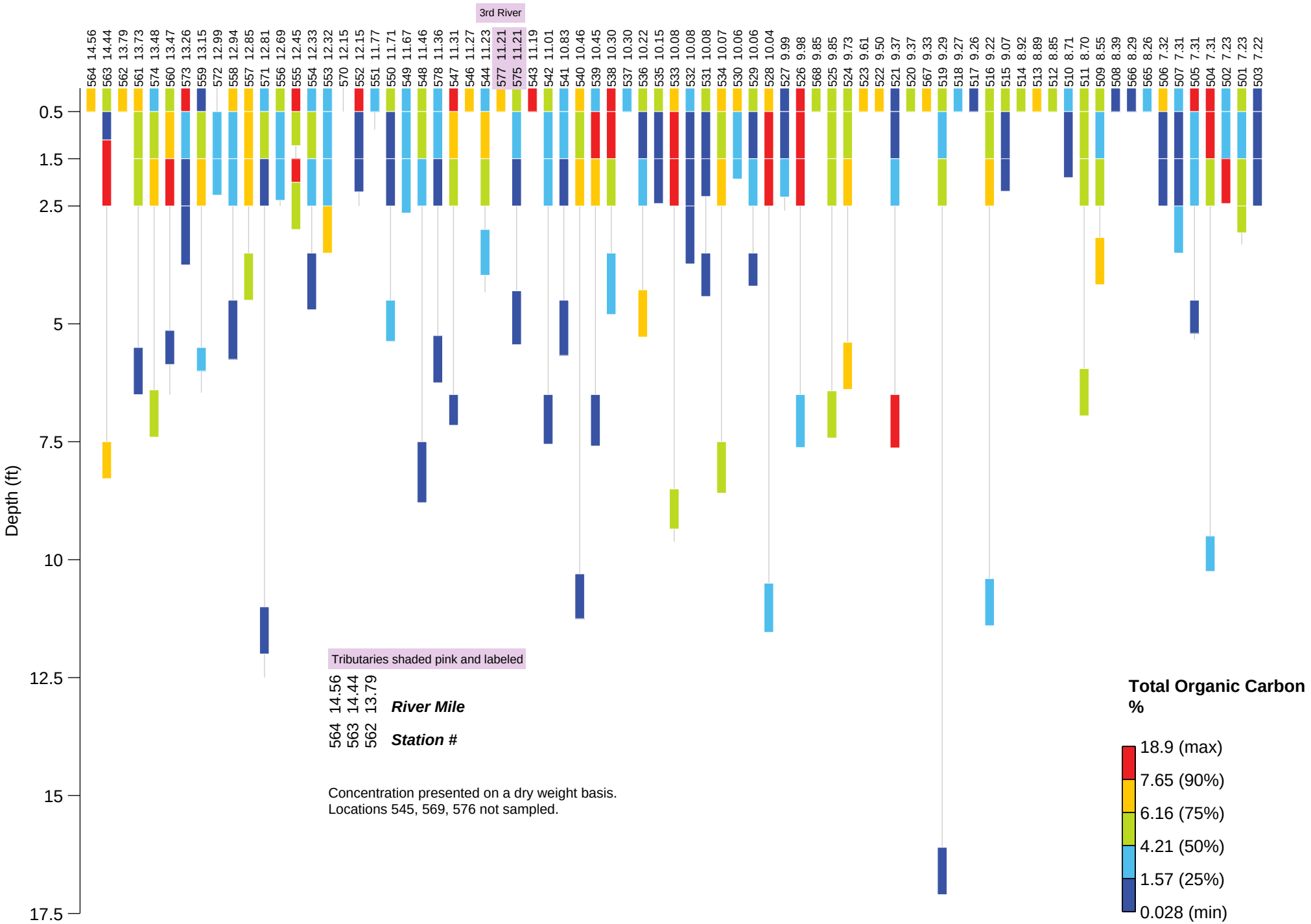

Figure 3−4.m Profiles of LRC SSP2 Core Data By River Mile and Depth: Total Organic Carbon

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November 2015

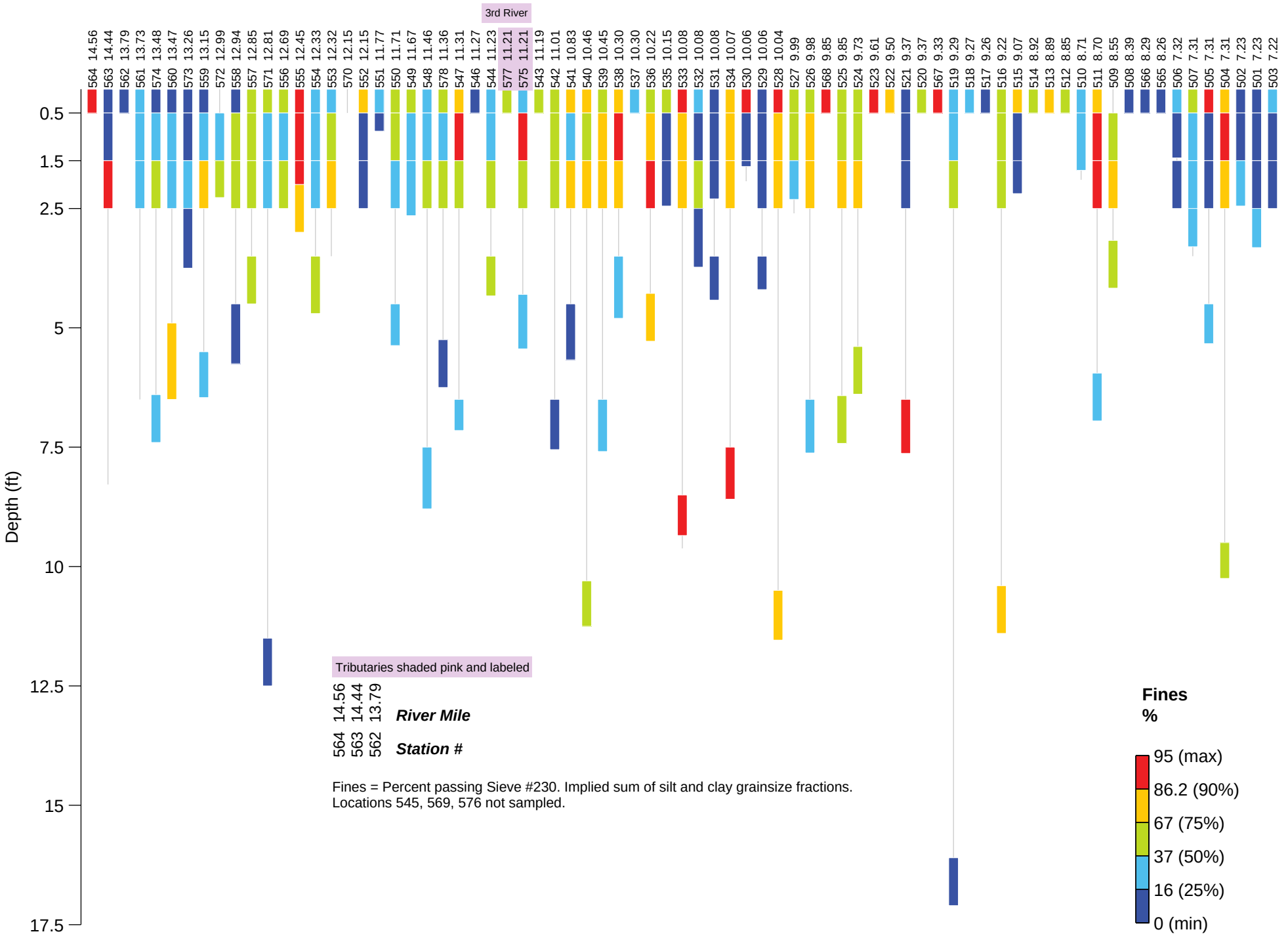
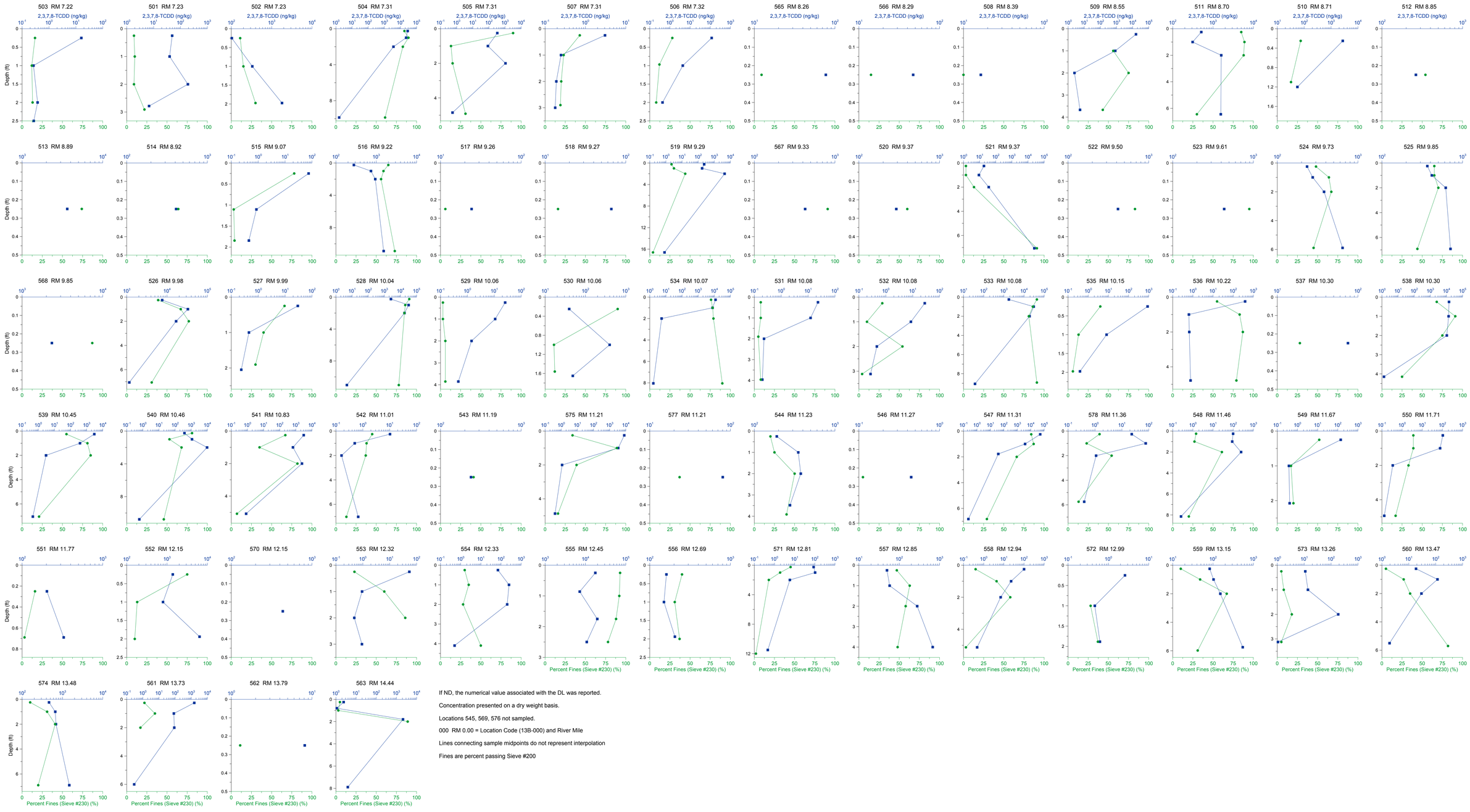


Figure 3−4.n Profiles of LRC SSP2 Core Data By River Mile and Depth: Fines

\\Uswtf1fp001\jobs\Water\ProjectFiles\P120\12182_Passaic\Tasks\LRC\LRC SSP 2\7.0 Deliverables\Report\Figures\Figure_3−4\DepthLogMakerSSP2

November 2015



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

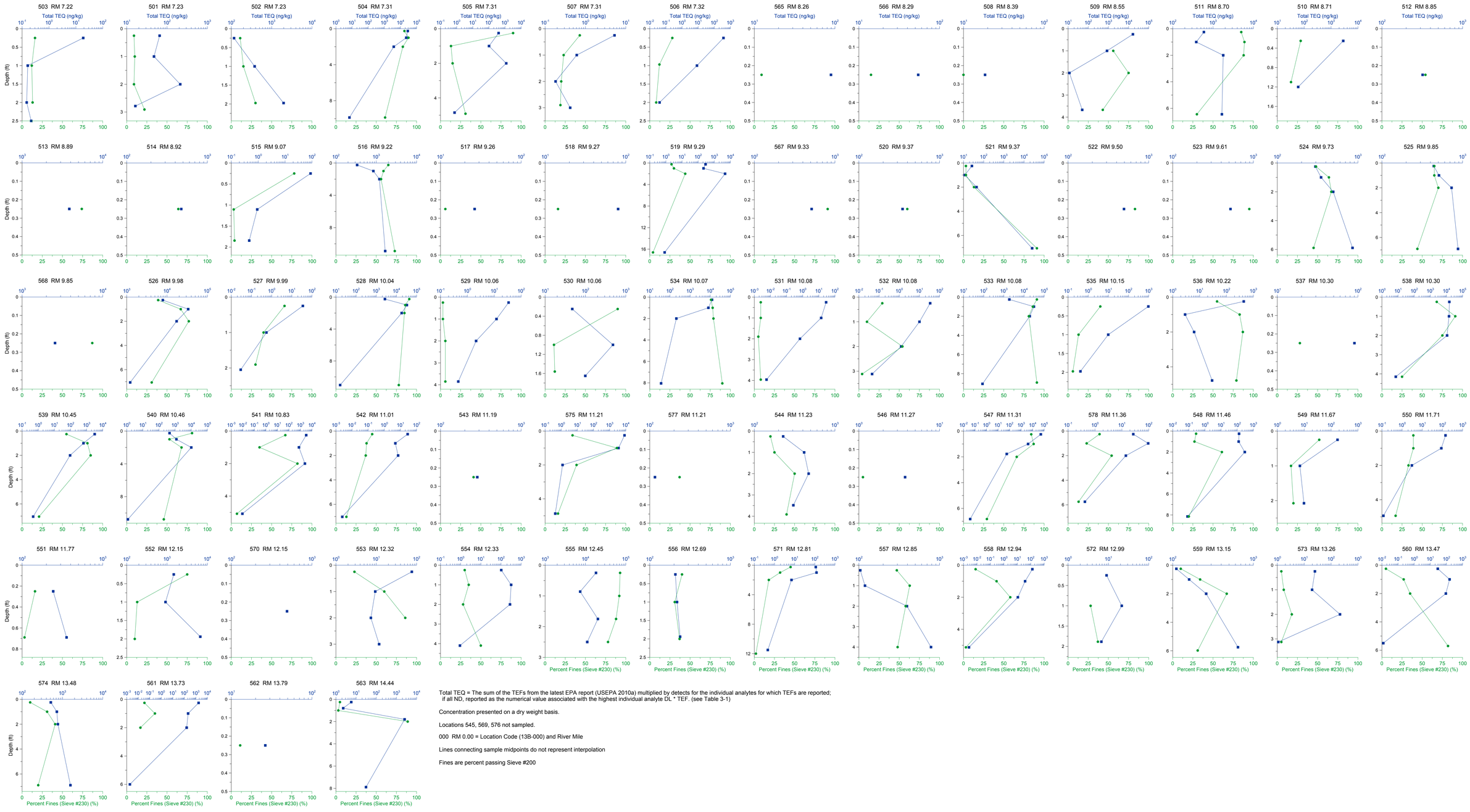
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.a
Depth Profiles of LRC SSP2 2,3,7,8-TCDD with Percent Fines (Sieve #230)



Total TEQ = The sum of the TEFs from the latest EPA report (USEPA 2010a) multiplied by detects for the individual analytes for which TEFs are reported; if all ND, reported as the numerical value associated with the highest individual analyte DL * TEF. (see Table 3-1)

Concentration presented on a dry weight basis.

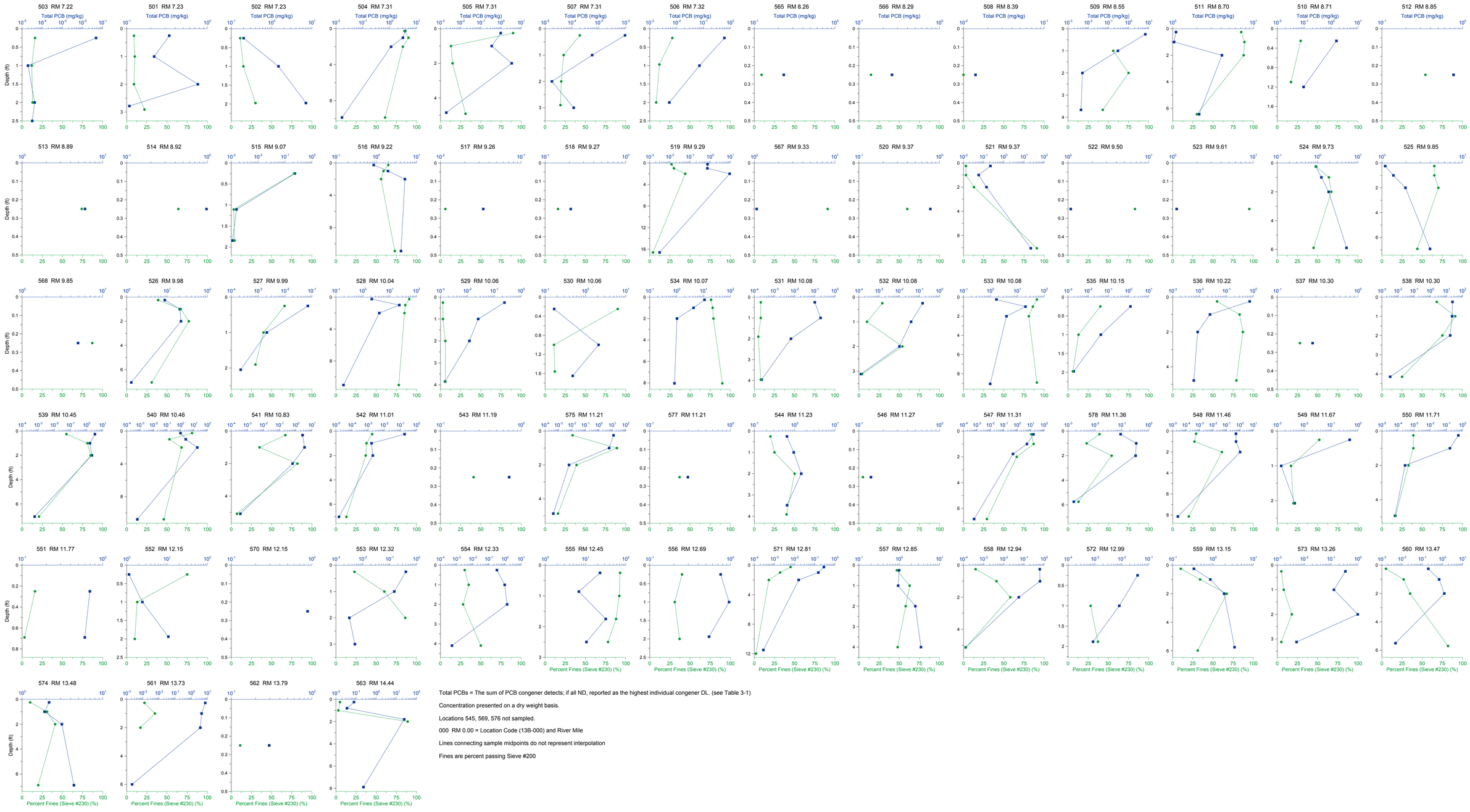
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.b
Depth Profiles of LRC SSP2 Total TEQ with Percent Fines (Sieve #230)



Total PCBs = The sum of PCB congener detects; if all ND, reported as the highest individual congener DL. (see Table 3-1)

Concentration presented on a dry weight basis.

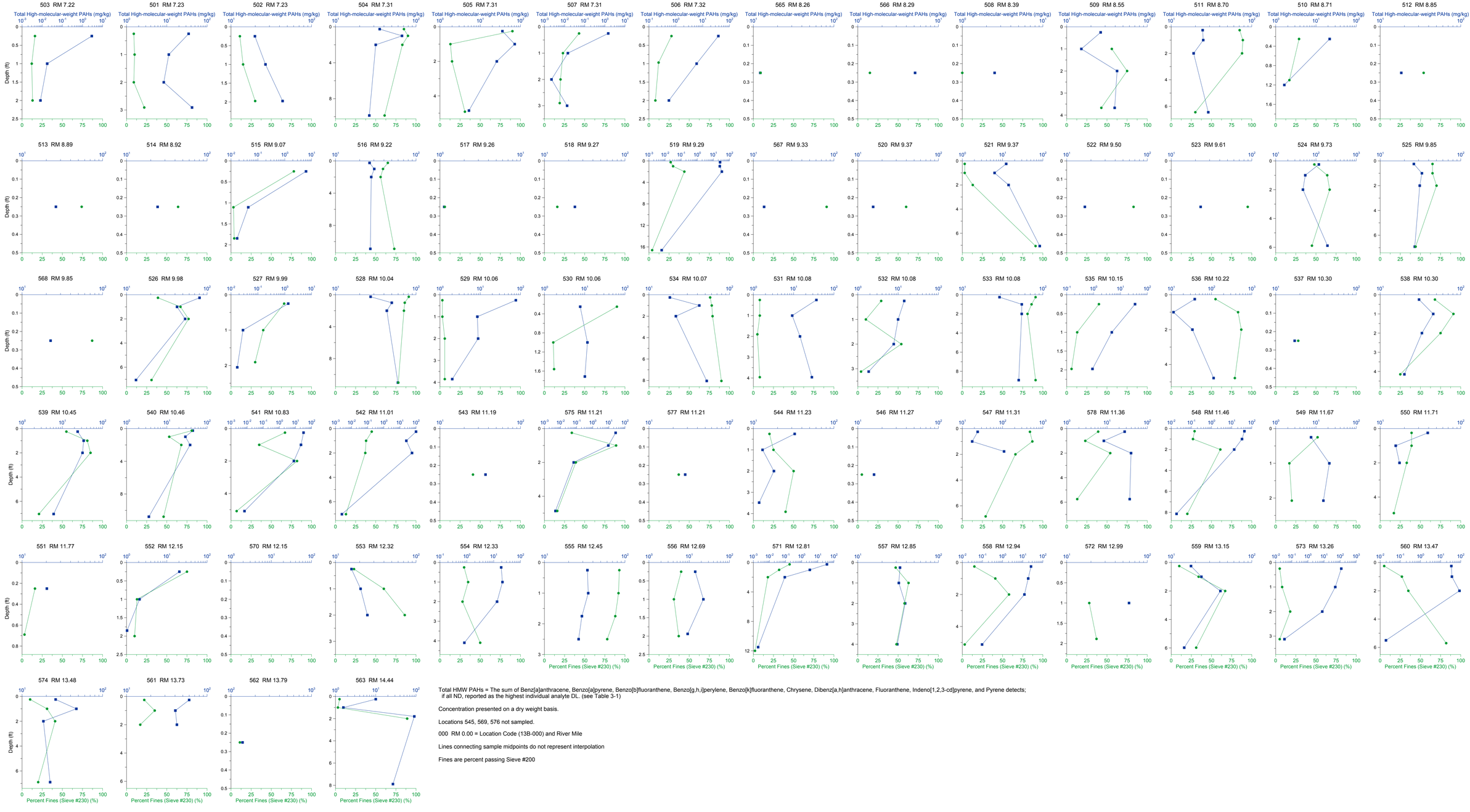
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.c
Depth Profiles of LRC SSP2 Total PCB with Percent Fines (Sieve #230)



Total HMW PAHs = The sum of Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, and Pyrene detects; if all ND, reported as the highest individual analyte DL. (see Table 3-1)

Concentration presented on a dry weight basis.

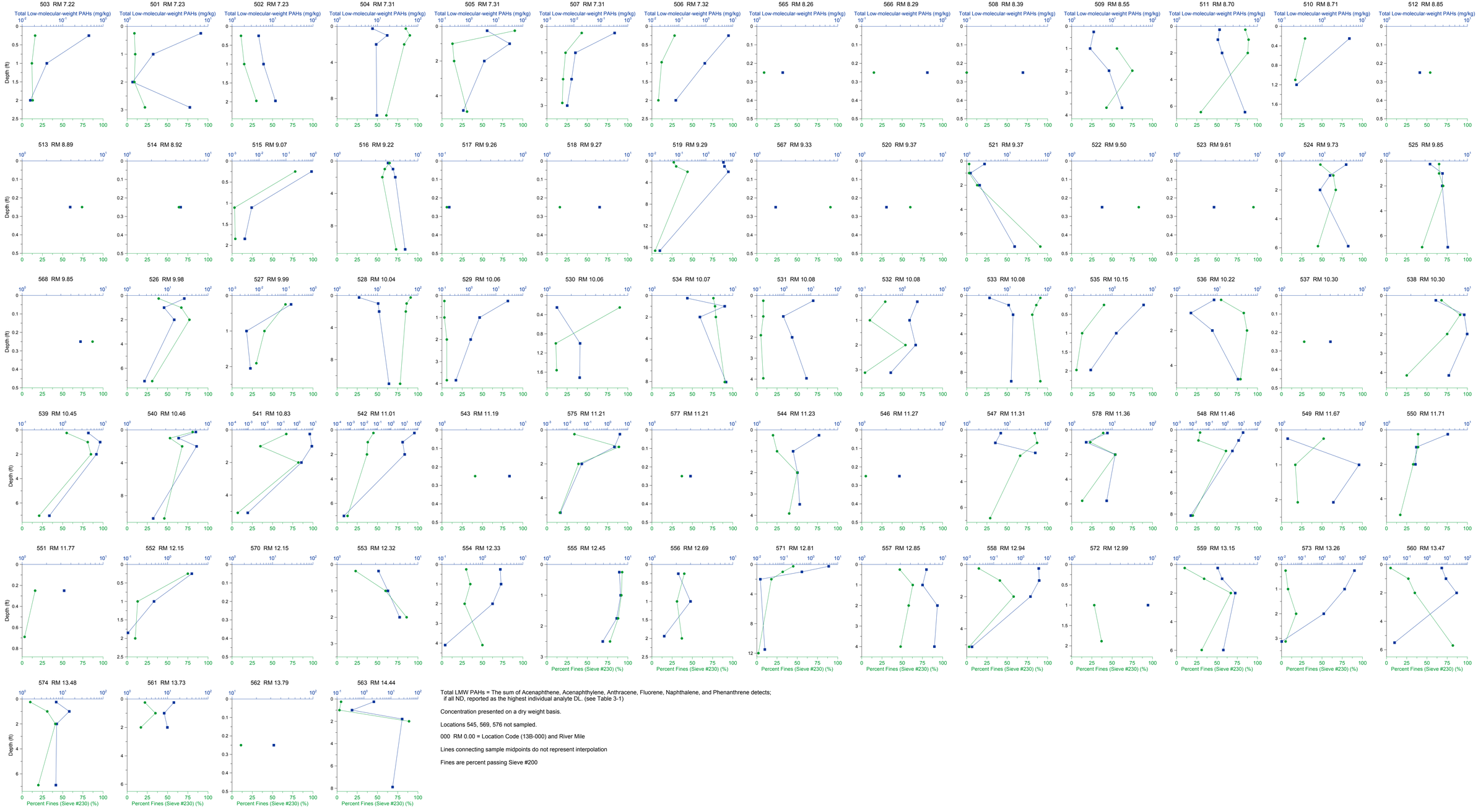
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.d
Depth Profiles of LRC SSP2 Total High-molecular-weight PAHs with Percent Fines (Sieve #230)



Total LMW PAHs = The sum of Acenaphthene, Acenaphthylene, Anthracene, Fluorene, Naphthalene, and Phenanthrene detects; if all ND, reported as the highest individual analyte DL. (see Table 3-1)

Concentration presented on a dry weight basis.

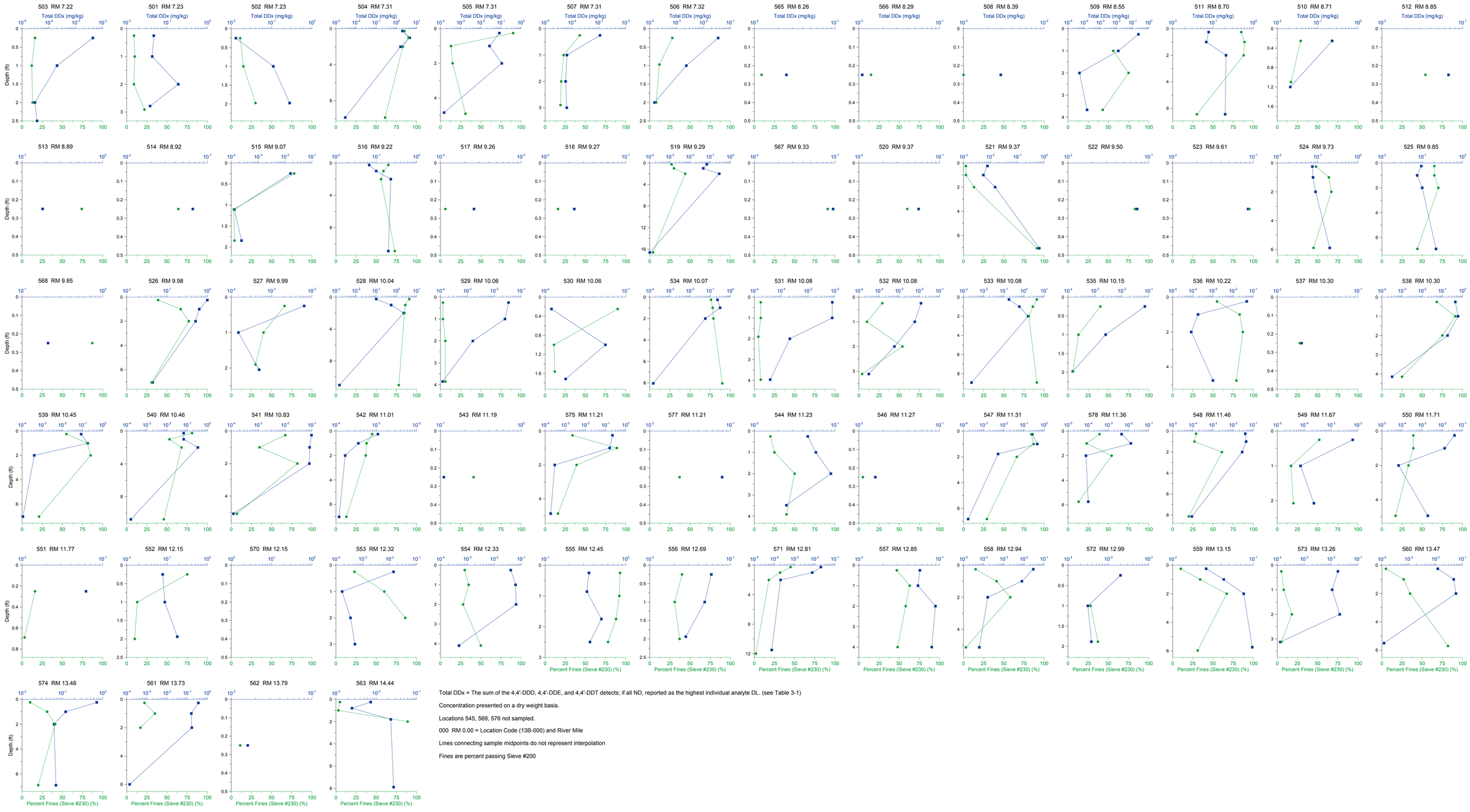
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.e
Depth Profiles of LRC SSP2 Total Low-molecular-weight PAHs with Percent Fines (Sieve #230)



Total DDx = The sum of the 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT detects; if all ND, reported as the highest individual analyte DL. (see Table 3-1)

Concentration presented on a dry weight basis.

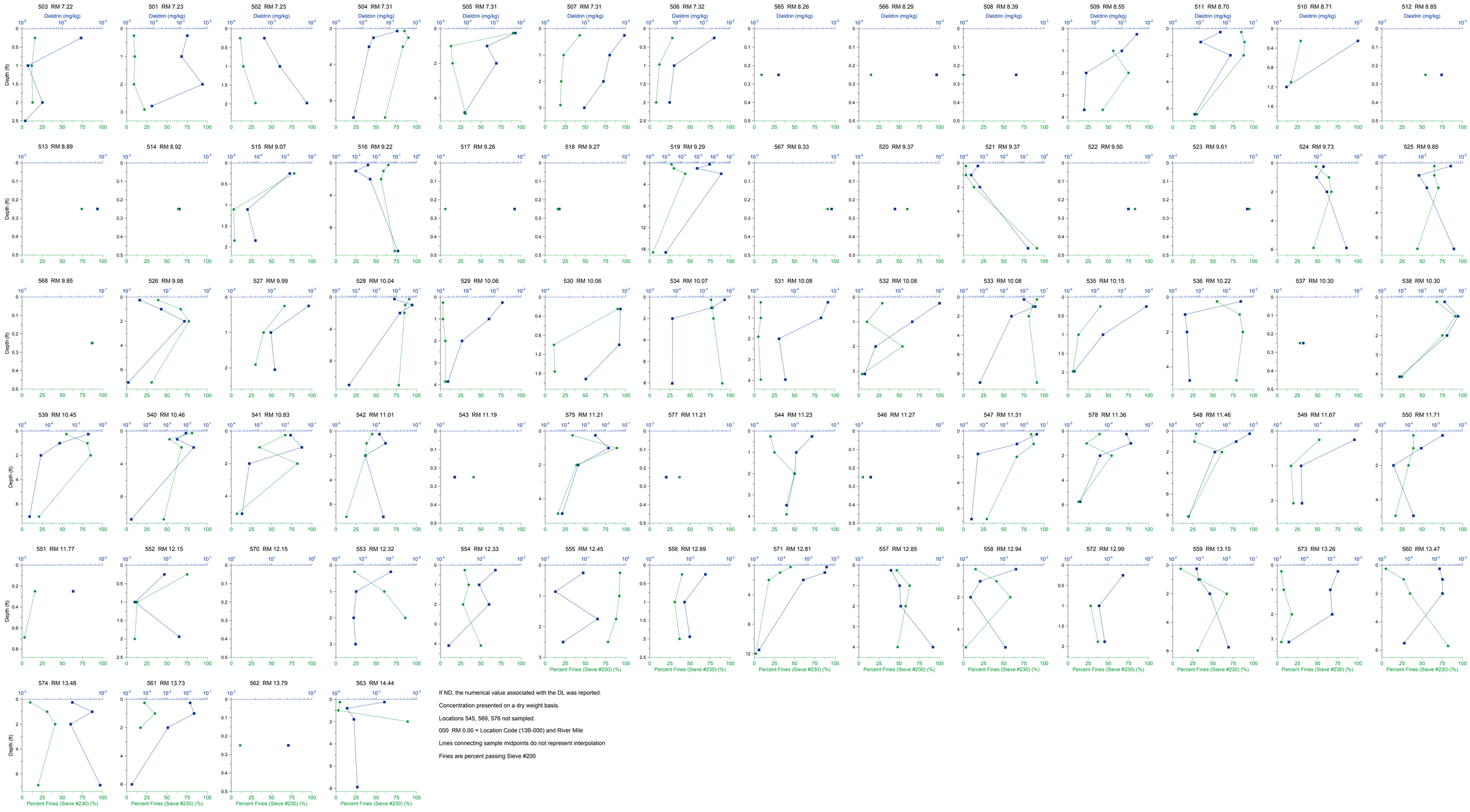
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.f
Depth Profiles of LRC SSP2 Total DDx with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

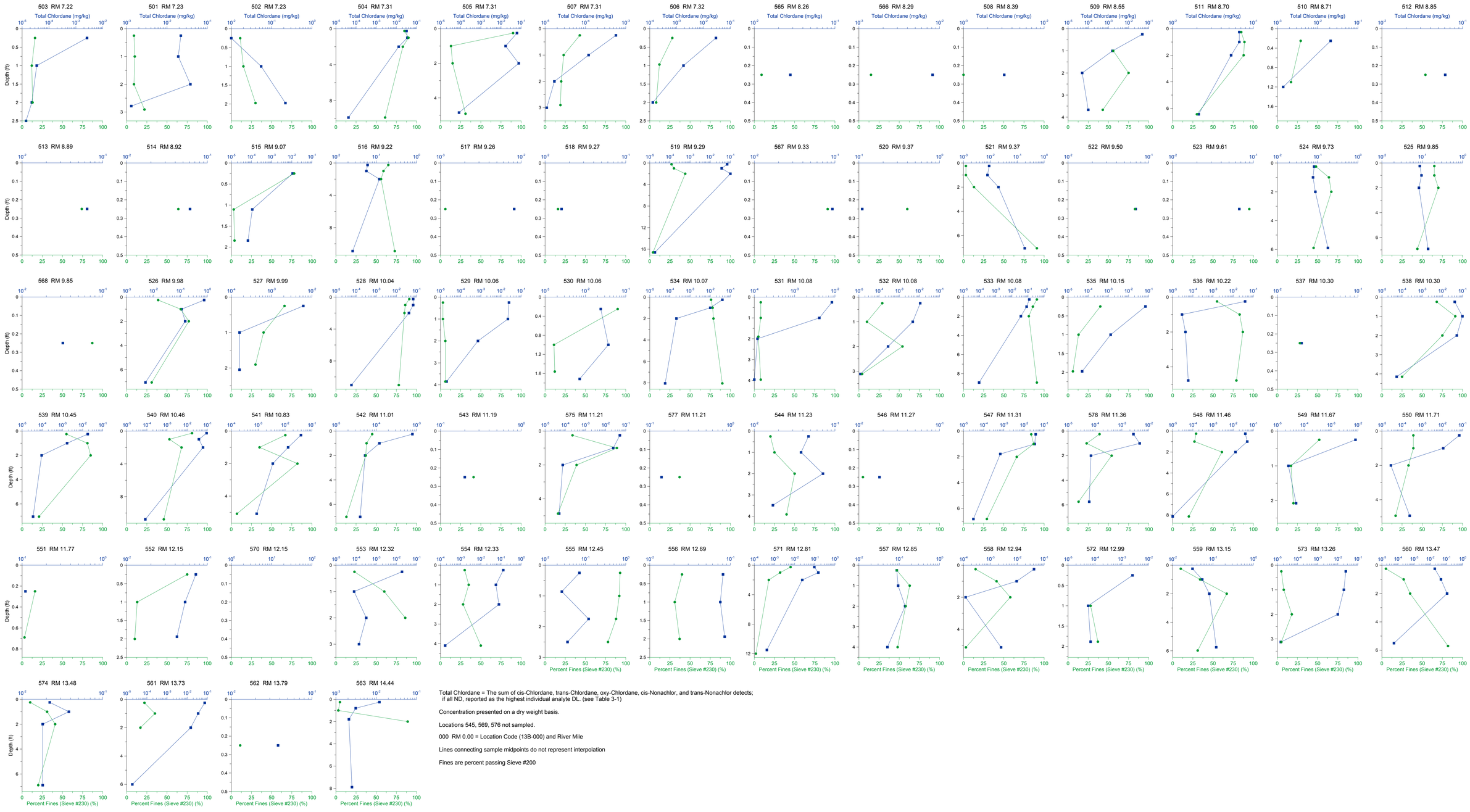
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.g
Depth Profiles of LRC SSP2 Dieldrin with Percent Fines (Sieve #230)



Total Chlordane = The sum of cis-Chlordane, trans-Chlordane, oxy-Chlordane, cis-Nonachlor, and trans-Nonachlor detects; if all ND, reported as the highest individual analyte DL. (see Table 3-1)

Concentration presented on a dry weight basis.

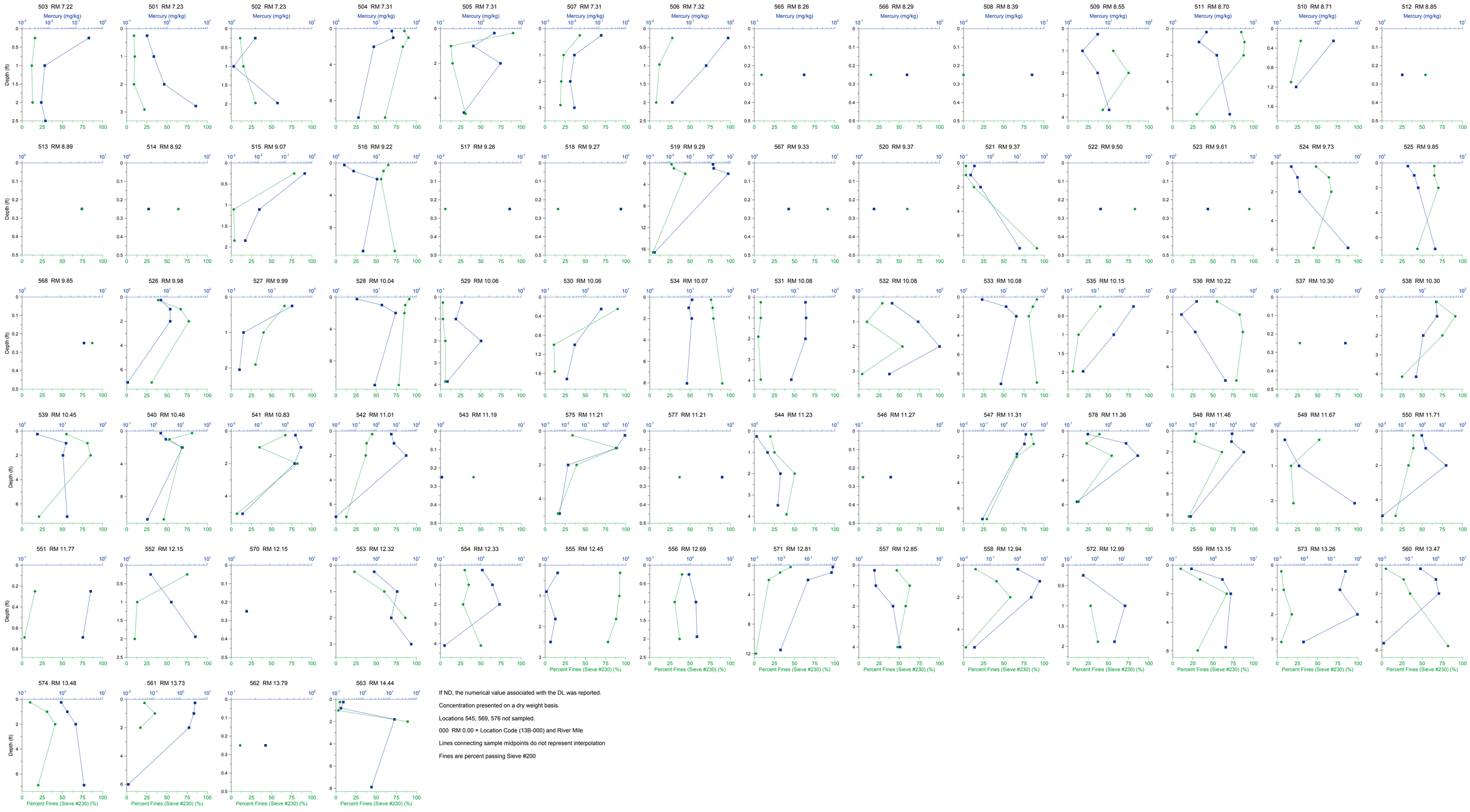
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.h
Depth Profiles of LRC SSP2 Total Chlordane with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

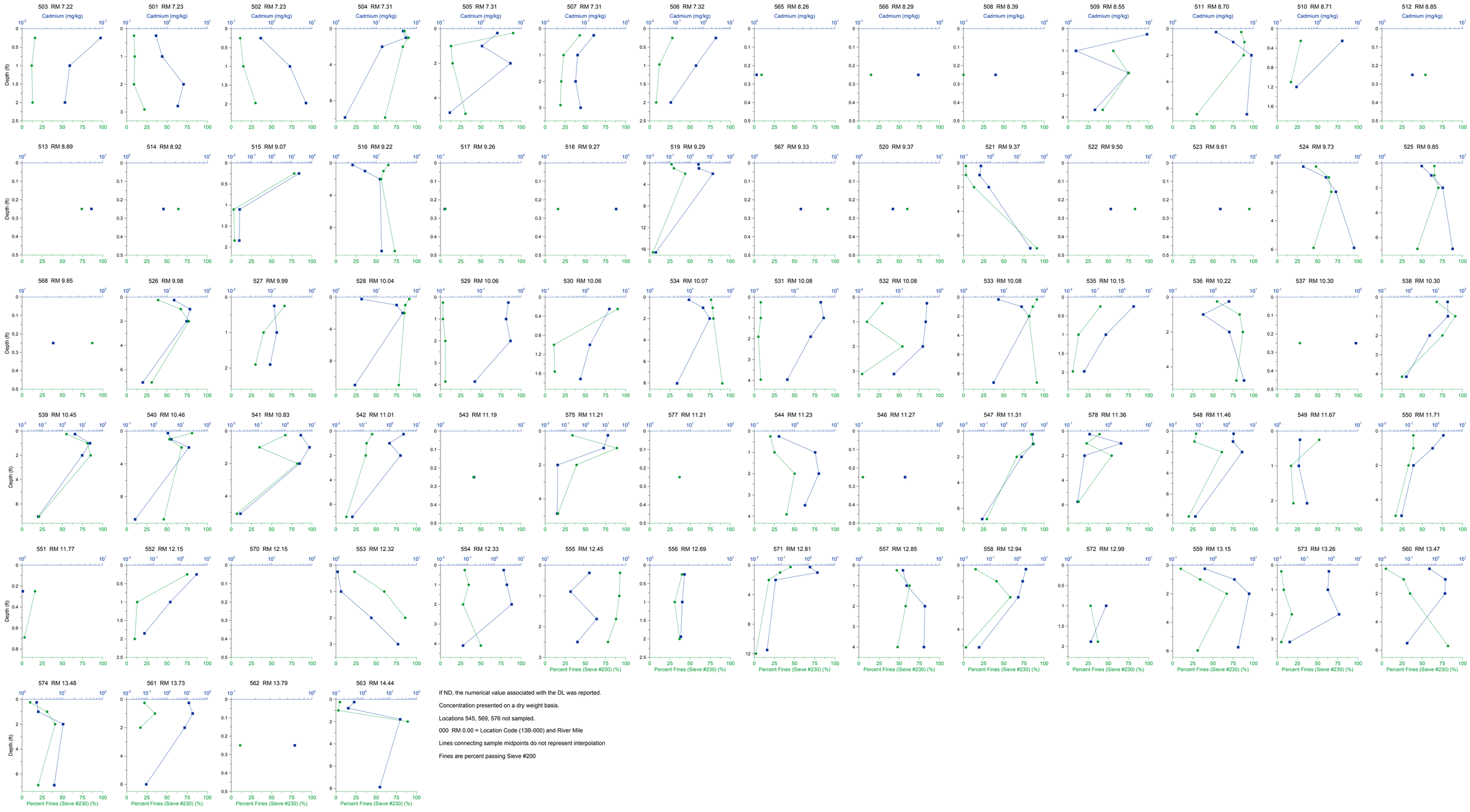
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.i
Depth Profiles of LRC SSP2 Mercury with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

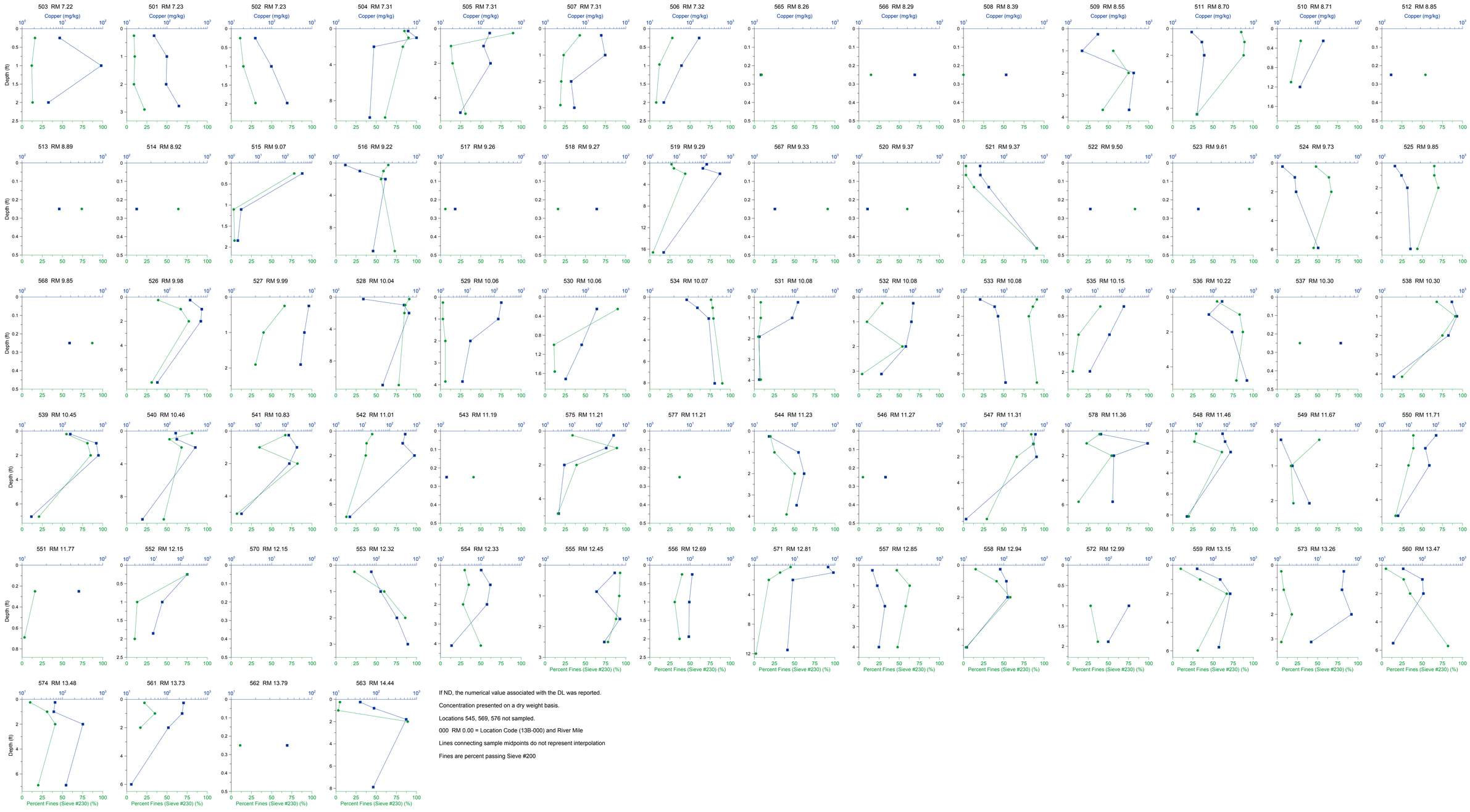
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.j
Depth Profiles of LRC SSP2 Cadmium with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

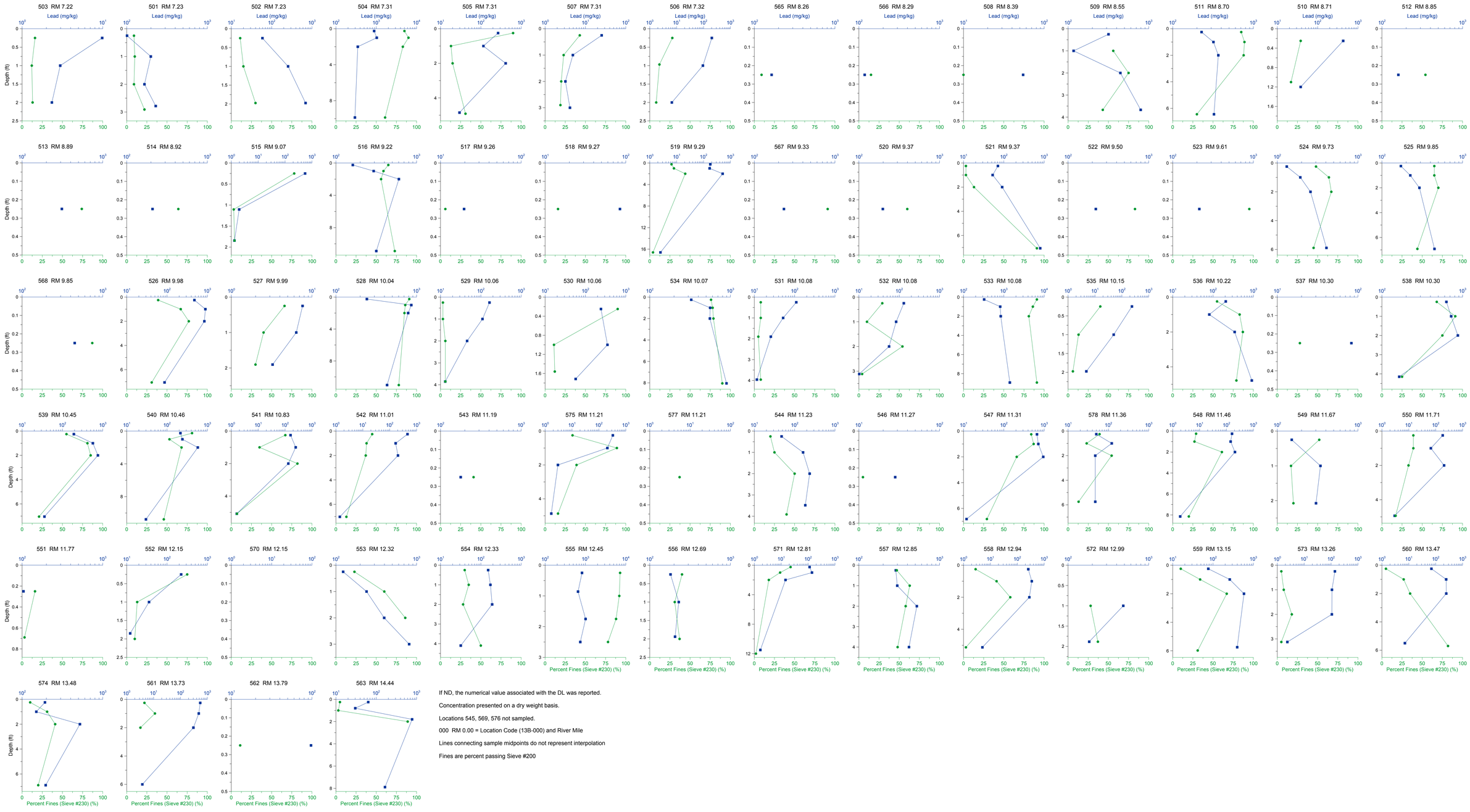
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.k
Depth Profiles of LRC SSP2 Copper with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

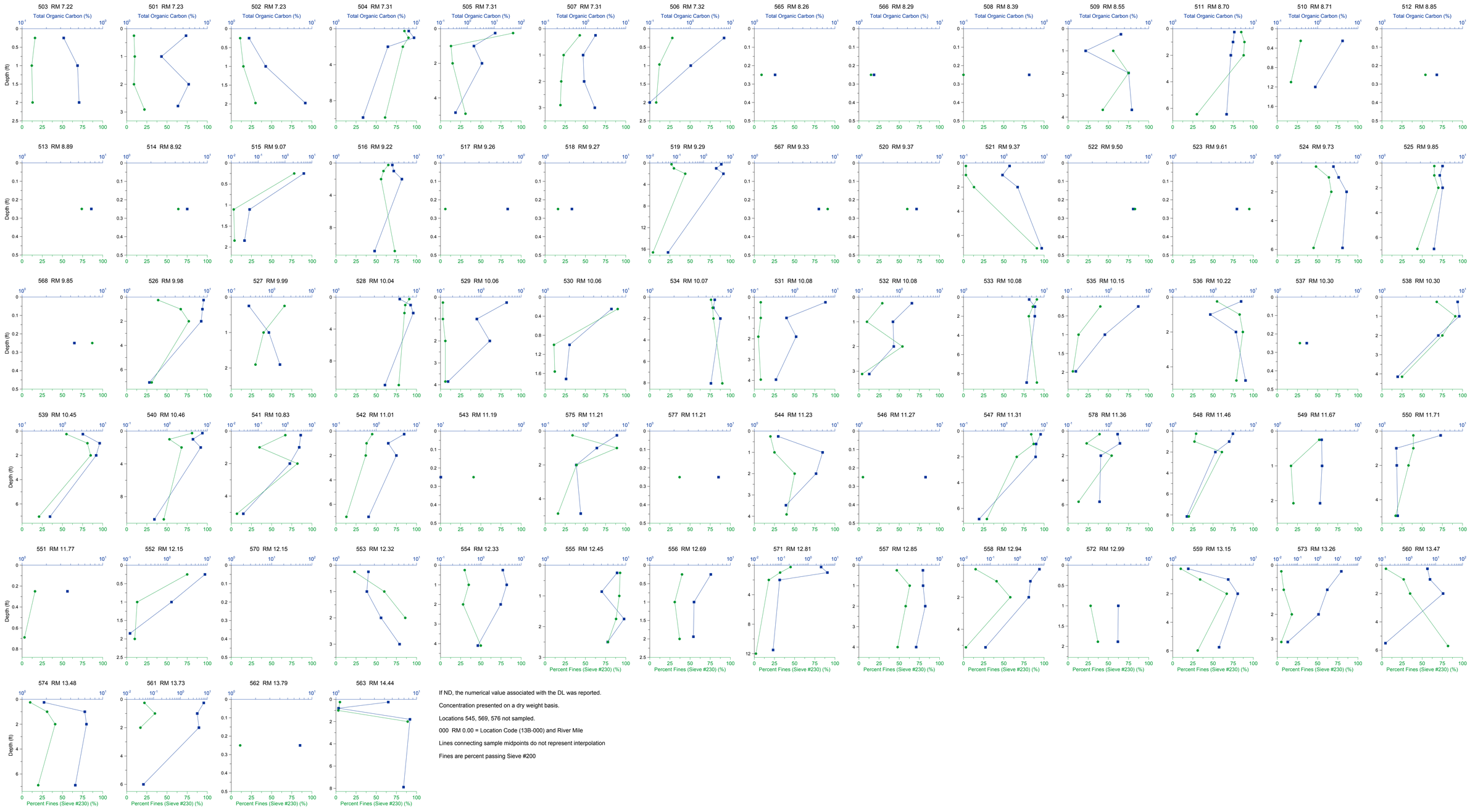
Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.l
Depth Profiles of LRC SSP2 Lead with Percent Fines (Sieve #230)



If ND, the numerical value associated with the DL was reported.

Concentration presented on a dry weight basis.

Locations 545, 569, 576 not sampled.

000 RM 0.00 = Location Code (13B-000) and River Mile

Lines connecting sample midpoints do not represent interpolation

Fines are percent passing Sieve #200

Figure 3-5.m
Depth Profiles of LRC SSP2 Total Organic Carbon with Percent Fines (Sieve #230)

4.0 Data Usability

The DQOs developed for the LRC SSP2 are presented in LRC SSP2 QAPP (AECOM 2013a) and are summarized in Section 1.0 of this report. These DQOs establish the level of data quality that was considered necessary to support the objectives of the study. This section describes the data usability assessment that was performed to verify the quality of the data generated during the LRC SSP2 and to evaluate its acceptability for use in site decisions.

The data usability assessment was based primarily on the results of the data validation process described in Section 2.8.2. The validation process consisted of two steps: verification of adherence to program specifications (QAPP, analytical methods, and contractual documents) and an evaluation of the quality of the data in terms of precision, accuracy, representativeness, comparability, and completeness. These elements (precision, accuracy, representativeness, comparability, and completeness), referred to as data quality indicators (DQIs), were assessed by comparing the sample results generated during the LRC SSP2 program to pre-established standards or criteria documented in the LRC SSP2 QAPP.

During validation, data associated with minor deviations from established criteria were considered acceptable and appropriate for use, and were flagged with a qualifier (for example, with a “J” as estimated); Region 2 data validation guidance does not provide a mechanism for assigning bias. Major deviations from project criteria resulted in the associated data being qualified with an “R” to indicate that the data were rejected and considered invalid for use in decision-making. Decisions as to the acceptance or rejection of data were based on USEPA Region 2 validation guidance where available. As described in the LRC SSP2 QAPP (AECOM 2013a) Worksheets 35 and 36, in the absence of Region 2 guidance, other validation guidance or professional judgment was used.

In addition to the data validation process, the data usability assessment was based on the results of in-program PE sample analytical results. PE samples of known concentration for PCDD/PCDFs, PCBs (Homologs and Congeners), PAHs, and Organochlorine Pesticides were analyzed at a rate of 1 PE sample per 20 field samples.

This section of the report is separated into three subsections. Section 4.1 discusses overall data usability of the sediment sample results. Section 4.2 presents the DQIs of precision, accuracy, representativeness, comparability, completeness, and sensitivity. Section 4.2.7 summarizes the rejected data. The results of the in-program PE analyses are discussed in Section 4.3.

Note that the data usability evaluation focuses on the sediment sample and field duplicate results and does not include the aqueous QC samples (equipment rinsate blanks). Qualifications of the aqueous QC samples are discussed in the DVRs. Data for the QC samples, including any qualifiers that were applied, are presented in **Appendix J**.

4.1 Data Usability

Of the 105,246 reportable sediment data points generated during the LRC SSP2, 99 percent are valid and acceptable for assessment purposes. Sixty-four percent of the valid data were accepted as reported by the laboratory, with no further qualification required; 36 percent of the valid data were qualified during the validation process. The most common reason for qualification was low percent

solids (approximately 24 percent of the data were qualified during validation solely on the basis of percent solids). Qualification of these data as "estimated" is required under USEPA Region 2 validation rules when solid samples contain less than 50 percent solids, and rejection of data is required if a sample contains less than 10 percent solids. This USEPA Region 2 validation convention is based on the recognition that it may be difficult for both the sampler and the analyst to take a subsample that is truly representative of semisolid material. In addition, high levels of moisture can cause matrix interferences for many of the organic analytical techniques. Sediment samples, particularly surface samples, were expected to contain elevated levels of moisture. Therefore, sampling procedures (AECOM 2013a) were designed to minimize the sample moisture content while maintaining the representativeness of the sample.

In addition to low percent solids, quantitation and calibration were frequently cited as the basis for data qualification; these qualifiers were primarily related to EMPCs and values which had been flagged as "E" by the laboratory because they were reported above the calibration range. Reporting of data above the calibration range was permitted for selected analyses if the laboratory was already using the minimum permitted sample size of 1 g for PCB congeners (5 g for PCDD/PCDFs) and detector saturation did not occur.

4.2 Data Quality Indicators

The following sections discuss each of the DQIs.

4.2.1 Precision

Precision is the measure of agreement among repeated measurements of the same property under identical or substantially similar conditions and includes both field and analytical components. Overall, 99 percent of the data were usable without qualification based on precision criteria described in Worksheet #28 of the LRC SSP2 QAPP (AECOM 2013a). Data that did not meet the criteria were qualified. Field precision was assessed through the collection and measurement of field duplicates and expressed as the relative percent difference (RPD) of the sample and field duplicate results. Field duplicates were collected from the same bowl of homogenized sediment and placed into a duplicate set of storage jars. Field duplicates were collected at a frequency that met or exceeded the program goals established in the LRC SSP2 QAPP (AECOM 2013a).

Field duplicate RPD results were primary triggers for the application of validation qualifiers to selected data generated for PCDD/PCDFs, TAL metals including mercury, sulfide, PAHs, pesticides by HRGC/HRMS, SVOCs, PCB congeners, and TPH extractables; a detailed discussion of field duplicate results is contained in the individual DVRs provided in **Appendix H**. Less than 0.5 percent of all reportable sediment results were qualified as estimated on the basis of field duplicate results (see **Table 4-1**).

Laboratory precision was assessed through the RPD results for matrix duplicates, LCS/laboratory control sample duplicates (LCSD) pairs, and MS/MSD pairs. Matrix duplicates and MS/MSD pairs do not reflect laboratory precision as effectively as LCS/LCSD pairs because sample heterogeneity may impact both matrix duplicate and MS/MSD precision. However, it should be noted that for the LRC SSP2 data, no differentiation is made between RPD exceedances for matrix duplicates, LCS/LCSD, or MS/MSD precision. As shown in **Table 4-1**, the percent of all reportable sediment results that were qualified as estimated on the basis of laboratory duplicate RPDs was 0.76 percent; no data were rejected. The analyses for which laboratory duplicate RPD results (either LCS/LCSD, laboratory duplicates, or MS/MSD) caused the application of validation qualifiers are presented in the individual DVRs provided in **Appendix H**.

Overall, the program precision objectives (AECOM 2013a) were achieved. Approximately 1 percent of the reportable data points generated were qualified for reasons related to either field or laboratory precision, but these data points are considered valid and acceptable for use.

4.2.2 Accuracy

Accuracy is the degree of agreement between an observed value and an accepted reference or true value. Overall, 90 percent of the results were considered acceptable and usable without qualification following comparison to program accuracy criteria (AECOM 2013a). Data that did not meet the criteria defined in QAPP worksheets were qualified. One Ra-226 result was rejected based on its associated tracer recovery which is considered an analyte identification issue.

Laboratory accuracy was assessed using the recoveries of positive control samples (i.e., MS/MSD, LCS/LCSD, and surrogate spikes). **Table 4-2** shows that 0.03 percent of the total reportable sediment results were qualified as estimated for LCS/LCSD recovery nonconformance; these data are considered acceptable for use. As shown in **Table 4-2**, 0.26 percent of data points were qualified as estimated for MS/MSD recovery nonconformance. Surrogates are applicable to organic analysis only. The percent of results qualified as estimated due to surrogate recovery was 0.02 percent (**Table 4-2**). Surrogate and MS recovery issues, unlike LCS recoveries, can be indicative of extraction difficulties or interferences from the sample matrix.

Additional measures of accuracy and frequency of qualification are shown in **Table 4-2**.

Accuracy also was indirectly addressed via the negative control samples for field activities (i.e., equipment rinsate blanks), as well as laboratory negative control samples, such as method blanks. Equipment blanks were collected weekly. The percentages of results that were qualified due to associated laboratory or equipment blank contamination were 0.85 percent and 0.05 percent, respectively.

During review of the validated data it was noted that Geotesting Express, Inc. had used the #200 sieve in the grain size analysis rather than the #230 sieve that had been used in all previous analysis programs based on a modification required by USEPA and listed in Worksheet #23 of the SSP2 QAPP (AECOM 2013a). When informed of the error, the laboratory calculated a value for the #230 sieve by selecting the point on the curve at the 0.063 mm mark but because the data were not determined using the proper sieve all values reported for the #230 sieve should be considered estimated values. Geotesting Express, Inc. estimates the potential error for these estimated data to be ± 0.5%

Overall, the program accuracy objectives (AECOM 2013a) were achieved. All data are valid and acceptable for use.

4.2.3 Representativeness

Representativeness is a qualitative and quantitative measure of the degree to which data suitably represents a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition. Aspects of representativeness addressed during validation included the review of sample collection information in the chain of custody documentation, conformity of laboratory analyses to the LRC SSP2 QAPP (AECOM 2013a), adherence of the documented laboratory procedures to method requirements, and completeness of the laboratory data packages. Most of the issues identified during this evaluation did not result in the qualification of laboratory data but did involve resubmittals of data by the laboratories to correct problems that were discovered

during the validation process. All of these issues were resolved. Other aspects of data representativeness, such as adherence to recommended holding times, instrument calibration requirements, as well as field and laboratory precision assessments, are discussed in the individual DVRs contained in **Appendix H**.

The need to utilize small sample aliquot sizes for certain analyses to avoid reporting results over the highest calibration standard may have impacted the analyst's ability to obtain a representative sample aliquot in some instances. For the isotope dilution, PAH, PCB congeners, and pesticide analyses sample aliquots as small as 1 gram were required for some analyses to avoid calibration exceedances.

In accordance with the USEPA Region 2 validation guidance documents, samples that contained less than 50 percent solids were qualified as estimated. This requirement resulted in qualification of approximately 24 percent of the reportable sediment data during the LRC SSP 2. Note that radiochemistry and TOC results were not qualified on the basis of percent solids because those analyses included a drying step. USEPA Region 2 validation guidance requires rejection of non-detect results if the percent solids is less than 10 percent; no data points were rejected on the basis of this criterion.

4.2.4 Comparability

Comparability is a qualitative expression of the measure of confidence that two or more data sets may contribute to a common analysis and interpretation. Comparability of data within the investigation was maximized by using standard methods for sampling and analysis, reporting of data, and data validation. To the extent possible, analytical procedures and laboratories used in previous programs were used in order to ensure data comparability with previous sediment investigations. In general, standard Resource Conservation and Recovery Act program methods from SW-846 or other program-compliant method compendia were employed for all analyses, with the exception of methods for which no SW-846 method exists (e.g., specialty analyses, some general chemistry, and radiochemical parameters). In these cases, alternate USEPA or other accepted methods were used. To eliminate interlaboratory variability, specific analytical methods were assigned to each laboratory for the duration of the project. PAHs were analyzed as a subset of SVOCs by Method 8270C and by the HRGC/LRMS SIM isotope dilution method. PCBs were analyzed as congeners (USEPA Method 1668A). For both of these analyses, the HRMS and isotope dilution procedures offer greater sensitivity, improved accuracy, and enhanced compound identification.

Metals analyses were performed using either Inductively Coupled Plasma/Atomic Emission Spectrometry (ICP/AES) and/or ICP/MS, with the exception of mercury. Results from ICP/AES and ICP/MS are regarded as comparable by USEPA, although the ICP/MS is generally more sensitive.

As noted in Section 4.2.2, Geotesting Express, Inc. incorrectly used the #200 sieve in the grain size analysis rather than the #230 sieve used in previous programs and requested for the LRC SSP 2 analysis program. While the laboratory calculated a result for the #230 sieve, these results are considered estimated and may not be comparable with data generated in prior programs.

4.2.5 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system, expressed as a percentage of the number of valid measurements that were or should have been collected. Valid data are defined as all data points judged to be usable (i.e., not rejected as a result of the validation process).

Field completeness is defined as the percentage of samples actually collected for analysis versus those intended to be collected. The planned total number of samples to be submitted to the laboratories based on the LRC SSP2 QAPP (AECOM 2013a) and the field modifications was 5,011. The actual number of samples processed and sent to laboratories was 4694, or 94 percent. The goal stated in the LRC SSP2 QAPP (AECOM 2013a) was greater than 95 percent field completeness. Samples could not be collected at all target locations and all target depths. In addition, equipment blank samples were not submitted for analysis for ammonia nitrogen, phosphorus and TKN. Detailed information on sampling completeness is provided in Section 2.2. In accordance with the LRC SSP2 QAPP (AECOM 2013a) samples collected between the sediment-water interface and 2.5 ft below the sediment-water interface and samples collected from one foot above native material or refusal were submitted for analysis. Additional samples between 2.5 ft below the sediment-water interface and one foot above native material or refusal were processed and archived for potential future analysis.

Laboratory completeness is defined as the percentage of valid data points versus the total expected from the laboratory analyses. Valid data points are those that have not been rejected during the validation process and accounts for any analyses not completed due to insufficient sample volume, breakage, or other laboratory error. TKN analysis was not performed on five samples due to an apparent laboratory log-in error which was not identified until reporting was complete. In addition, ALS reported phosphorus data for 4 samples (13B-0509-CIAS, 13B-0509-C1BS, 13B-0509-C1CS, and 13B-0509-C1ES) for which this analysis had not been requested. The objective for this project was greater than 90 percent laboratory completeness (AECOM 2012a). Overall laboratory completeness was 99 percent (105,230 valid and acceptable results out of 105,246 total reportable sediment results).

4.2.6 Sensitivity

Sensitivity is the ability of a method or instrument to discriminate between measurement responses representing varying levels of the analyte of interest; in particular, the capability of measuring a constituent at low levels. For the USEPA methods employed in this project, sensitivity was measured by the Method Detection Limit (MDL) (or estimated detection limit [EDL] for isotope dilution methods) and Quantitation Limit (QL). Both nominal MDLs and QLs were provided by the analytical laboratories in their analytical report and were verified during validation. All RLs, both MDL (or EDL) and QL, were corrected by the laboratory for sample-specific factors, such as exact aliquot size, dry weight for soils, and dilutions. The laboratories were instructed to report estimated (J) results if concentrations were above the MDL/EDL but below the QL.

In general, the methods selected were sufficiently sensitive to meet the project data quality levels (DQLs) (AECOM 2013a). Those methods that could not meet the project DQLs were identified in the LRC SSP2 QAPP (AECOM 2013a). During validation, the actual laboratory QLs also were compared to the achievable laboratory limits shown in the LRC SSP2 QAPP (AECOM 2013a). Results for selected analytes in some samples did not meet the QL goals listed in the LRC SSP2 QAPP (AECOM 2013a) due to sample-specific matrix issues. A detailed discussion of quantitation issues is provided in the individual DVRs contained in **Appendix H**.

4.2.7 Rejected Data

Of the 105,246 individual data points generated during the LRC SSP site characterization, 105,235 (or 99 percent) are valid and usable. All target compounds (4 data points) were rejected in one butyltin sample which was extracted a second time 16 days outside of the extraction holding time because the control criteria were exceeded for the surrogate in the initial analysis and a reanalysis conducted within holding time. All surrogates met criteria in the re-extracted sample which the laboratory chose

to report in spite of the extraction holding time exceedance. Matrix spike recoveries resulted in rejection of cyanide results in 6 samples. One Ra-226 result was rejected due to uncertainty related to low levels of activity in the sample. Specific details regarding selected analytes or locations are provided in the individual DVRs provided in **Appendix H**.

4.3 In-Program PE Analytical Results

In addition to evaluation of PE data performed by the laboratories as part of their routine participation in USEPA Water Supply (WS) and Water Pollution (WP) certification programs, laboratories performing analysis for PCDD/PCDFs, PCBs (Homologs and Congeners), PAHs, and Organochlorine Pesticides analyzed known PE samples, which are not blind, submitted with sample shipments at a rate of 1 PE sample per 20 field samples. The results of these PE samples are summarized in this section and are presented in **Appendix G**.

All in-program PE results were within the vendor acceptance ranges established for each analyte.

PE acceptance limits published by suppliers and used to evaluate the reported results are based on data from actual laboratory analyses but the data pool used to generate these statistics may be small or the analytical methods used for analysis may differ from those used in this program. Variations in PE sample concentration or degradation due to shelf life or storage conditions may not be detected immediately by the PE supplier; conversations with suppliers have indicated that certified values and acceptance limits may change over time as additional data become available. The results of the PE samples analyzed during the LRC SSP2 indicate that the associated analyses are in control; these results should be used in conjunction with other method quality control results to interpret the bias of associated data for individual compounds.

Table 4-1
Data Qualification Based on Precision Indicators for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Accuracy Indicator	Data Qualified[1, 2]		Comments
	Affected Analyses	Percent	
Field duplicate RPD	PCDDs/PCDFs, mercury, metals by 6010 and 6020, sulfide, PCB congeners, PAHs by HRGC/LRMS-SIM, pesticides by HRGC/HRMS, TPH-extractables, and SVOCs	0.33	Assess reproducibility of sampling and analytical processes
Laboratory duplicate RPD (MS/MSD, LCSD, laboratory duplicates)	AVS/SEM, mercury, PCDDs/PCDFs, PCB congeners, pesticides by HRGC/HRMS, butyltins, TOC, metals by 6010 and 6020, SVOCs, cyanide, sulfide, and PAHs by HRGC/LRMS-SIM	0.76	Assess reproducibility of the analytical procedures

Notes:
[1] Based on total number of reportable sediment results
[2] Includes the application of all qualifiers in Table 2-10
AVS - Acid Volatile Sulfides
HRGC - High Resolution Gas Chromatography
HRMS - High Resolution Mass Spectrometry
LCSD - Laboratory Control Sample Duplicate
LRMS - Low Resolution Mass Spectrometry
MS/MSD - Matrix Spike/Matrix Spike Duplicate
PAH - Polycyclic Aromatic Hydrocarbon
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxin
PCDF - Polychlorinated Dibenzofuran
RPD - Relative Percent Difference
SEM - Simultaneously Extracted Metal
SIM - Selective Ion Monitoring
SVOC - Semivolatile Organic Compound
TOC - Total Organic Carbon
TPH - Total Petroleum Hydrocarbon

Table 4-2
Data Qualification Based on Accuracy Indicators for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Accuracy Indicator	Data Qualified[1, 2]		Comments
	Affected Analyses	Percent	
Laboratory Blank	PCB congeners, butyltins, TPH-extractables, PCDDs/PCDFs, PAHs by HRGC/LRMS-SIM, metals by 6020, pesticides by HRGC/HRMS	0.85	Reflects contamination introduced by the laboratory environment or glassware and reagents used in analysis
Equipment Blank	PCDDs/PCDFs, TOC	0.05	Reflects contamination introduced from both field and laboratory operations
LCS/LCSD Recovery	PCB congeners, SVOCs, cyanide	0.03	Reflects accuracy of the analytical procedure without any impact from the sample matrix
MS/MSD Recovery	Butyltins, PCDDs/PCDFs, mercury, metals by 6010 and 6020, cyanide, PCB congeners, PAHs by HRGC/LRMS-SIM, pesticides by HRGC/HRMS, TPH-extractables, and SVOCs	0.26	MS recovery issues, unlike LCS recoveries, can be indicative of extraction difficulties or interferences from the sample matrix.
Surrogate recovery	SVOCs	0.02	Surrogate recovery issues, unlike LCS recoveries, can be indicative of extraction difficulties or interferences from the sample matrix.
Calibration	Butyltins, PCB congeners, PCDDs/PCDFs, TPH-extractables and SVOCs	2.7	The complexity of the sample matrix had a significant impact on continuing calibration results for certain analyses and required laboratories to recalibrate with greater frequency. Qualification of PCB congeners and PCDDs/PCDFs for both quantitation and calibration was related to data reported as EMPCs or flagged with an E by the laboratory due to results reported above the upper calibration standard.
Internal standard	PCB congeners, PAHs by HRGC/LRMS-SIM, pesticides by HRGC/HRMS, and SVOCs	1.2	High or low area counts.

Table 4-2
Data Qualification Based on Accuracy Indicators for LRC SSP2
Low Resolution Coring Second Supplemental Sampling Program
Lower Passaic River Restoration Project

Accuracy Indicator	Data Qualified[1, 2]		Comments
	Affected Analyses	Percent	
EMPCs	PCDDs/PCDFs, PCB congeners, and pesticides by HRGC/HRMS	3.2[3]	Qualified due to ion ratio, signal to noise ratio, or peak retention issue.
Quantitation	PCDDs/PCDFs, PAHs by HRGC/LRMS-SIM, PCB congeners, and pesticides by HRGC/HRMS	1.4	Qualification of PCB congeners and PCDDs/PCDFs for both quantitation and calibration was related to data reported as EMPCs or flagged with an E by the laboratory due to results reported above the upper calibration standard.
Dual column precision	Butyltins	0.02	Confirmation of presence of compound
Analyte identification	PAHs by HRGC/LRMS-SIM, Ra-226	0.003	Uncertainty in identification due to interference or insufficient sample
Tracer recovery	Pb-210 as Po-210	0.02	Low levels of activity in samples; samples counted for maximum of 1000 minutes
Insufficient ingrowth	Ra-226	0.001	Possible low bias

[1] Based on total number of reportable sediment results
[2] Includes the application of all qualifiers in Table 2-10
[3] This percentage includes data qualified for quantitation and calibration issues identified during validation
EMPC - Estimated Maximum Possible Concentration
HRGC - High Resolution Gas Chromatography
HRMS - High Resolution Mass Spectrometry
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
LRMS - Low Resolution Mass Spectrometry
MS/MSD - Matrix Spike/Matrix Spike Duplicate
PAH - Polycyclic Aromatic Hydrocarbon
Pb-210 - Lead Isotope 210
PCB - Polychlorinated Biphenyl
PCDD - Polychlorinated Dibenzodioxin
PCDF - Polychlorinated Dibenzofuran
Po-210 - Polonium Isotope 210
Ra-226 - Radium Isotope 226
SIM - Selective Ion Monitoring
SVOC - Semivolatile Organic Compound
TOC - Total Organic Carbon
TPH - Total Petroleum Hydrocarbon

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Appendix A

Sample Summary Table

Appendix A1

Sediment Samples

Appendix A-1
Sediment Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0501	Core	0	0.5	13B-0501-C1	13B-0501-C1AS	10/1/2013		X	X		X	X			X	X	X	X					X	
13B-0501	Core	0	0.5	13B-0501-C2	13B-0501-C2AS	10/1/2013				X			X							X		X		X
13B-0501	Core	0.5	1.5	13B-0501-C1	13B-0501-C1BS	10/1/2013		X	X		X	X			X	X	X	X				X	X	
13B-0501	Core	0.5	1.5	13B-0501-C2	13B-0501-C2BS	10/1/2013				X			X							X				X
13B-0501	Core	1.5	2.5	13B-0501-C1	13B-0501-C1CS	10/1/2013		X	X		X	X			X	X	X	X				X	X	
13B-0501	Core	1.5	2.5	13B-0501-C2	13B-0501-C2CS	10/1/2013				X			X							X				X
13B-0501	Core	2.5	3.07	13B-0501-C1	13B-0501-C1DS	10/1/2013		X	X		X	X				X	X	X					X	
13B-0501	Core	2.5	3.32	13B-0501-C2	13B-0501-C2DS	10/1/2013				X			X		X					X		X		X
13B-0501	Grab	0	0.5	13B-0501-G2	13B-0501-G2AS	10/1/2013	X							X							X			
13B-0502	Core	0	0.5	13B-0502-C2	13B-0502-C2AS	9/30/2013		X	X		X	X			X	X	X	X				X	X	
13B-0502	Core	0.5	1.5	13B-0502-C2	13B-0502-C2BS	9/30/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0502	Core	1.5	2.45	13B-0502-C2	13B-0502-C2CS	9/30/2013		X	X	X	X	X	X		X	X	X	X				X	X	X
13B-0502	Grab	0	0.5	13B-0502-G1	13B-0502-G1AS	9/30/2013	X			X			X	X						X	X			X
13B-0503	Core	0	0.5	13B-0503-C1	13B-0503-C1AS	9/30/2013					X				X	X	X	X						
13B-0503	Core	0	0.5	13B-0503-C2	13B-0503-C2AS	9/30/2013		X	X	X		X	X							X		X	X	X
13B-0503	Core	0.5	1.5	13B-0503-C1	13B-0503-C1BS	9/30/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0503	Core	1.5	2.5	13B-0503-C1	13B-0503-C1CS	9/30/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0503	Core	2.5	2.5	13B-0503-C1	13B-0503-C1DS	9/30/2013					X					X	X	X						
13B-0503	Grab	0	0.5	13B-0503-G1	13B-0503-G1AS	9/30/2013	X							X							X			
13B-0504	Core	0	0.5	13B-0504-C2	13B-0504-C2AS	9/26/2013				X			X		X					X		X		X
13B-0504	Core	0	0.5	13B-0504-C4	13B-0504-C4AS	9/26/2013		X	X		X	X				X	X	X					X	
13B-0504	Core	0.5	1.5	13B-0504-C2	13B-0504-C2BS	9/26/2013				X			X							X		X		X
13B-0504	Core	0.5	1.5	13B-0504-C4	13B-0504-C4BS	9/26/2013		X	X		X	X			X	X	X	X					X	
13B-0504	Core	1.5	2.5	13B-0504-C2	13B-0504-C2CS	9/26/2013				X			X							X		X		X
13B-0504	Core	1.5	2.5	13B-0504-C4	13B-0504-C4CS	9/26/2013		X	X		X	X			X	X	X	X					X	
13B-0504	Core	9.5	10.25	13B-0504-C4	13B-0504-C4KS	9/26/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0504	Grab	0	0.5	13B-0504-G1	13B-0504-G1AS	9/26/2013	X							X							X			
13B-0505	Core	0	0.5	13B-0505-C1	13B-0505-C1AS	9/26/2013					X				X	X	X	X						
13B-0505	Core	0	0.5	13B-0505-C2	13B-0505-C2AS	9/26/2013		X	X			X										X	X	X
13B-0505	Core	0.5	1.5	13B-0505-C1	13B-0505-C1BS	9/26/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0505	Core	1.5	2.5	13B-0505-C1	13B-0505-C1CS	9/26/2013		X	X		X	X			X	X	X	X					X	
13B-0505	Core	1.5	2.5	13B-0505-C2	13B-0505-C2CS	9/26/2013				X			X							X		X		X
13B-0505	Core	4.5	5.2	13B-0505-C1	13B-0505-C1FS	9/26/2013		X	X		X	X			X	X	X	X					X	
13B-0505	Core	4.5	5.33	13B-0505-C2	13B-0505-C2FS	9/26/2013				X			X							X		X		X
13B-0505	Grab	0	0.5	13B-0505-G2	13B-0505-G2AS	9/26/2013	X			X			X	X						X	X			
13B-0506	Core	0	0.5	13B-0506-C2	13B-0506-C2AS	10/2/2013					X					X	X	X						
13B-0506	Core	0	0.5	13B-0506-C3	13B-0506-C3AS	10/2/2013		X	X			X			X							X	X	X
13B-0506	Core	0.5	1.44	13B-0506-C3	13B-0506-C3BS	10/2/2013				X			X							X		X		X
13B-0506	Core	0.5	1.5	13B-0506-C2	13B-0506-C2BS	10/2/2013		X	X		X	X			X	X	X	X					X	
13B-0506	Core	1.5	2.5	13B-0506-C2	13B-0506-C2CS	10/2/2013		X	X	X	X	X	X		X	X	X	X		X			X	
13B-0506	Grab	0	0.5	13B-0506-G1	13B-0506-G1AS	10/2/2013	X			X			X	X						X	X			
13B-0507	Core	0	0.5	13B-0507-C2	13B-0507-C2AS	10/1/2013		X	X		X	X			X	X	X	X					X	

Appendix A-1
Sediment Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0507	Core	0	0.5	13B-0507-C3	13B-0507-C3AS	10/1/2013				X			X							X		X		X
13B-0507	Core	0.5	1.5	13B-0507-C2	13B-0507-C2BS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0507	Core	1.5	2.5	13B-0507-C2	13B-0507-C2CS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0507	Core	2.5	3.3	13B-0507-C3	13B-0507-C3DS	10/1/2013				X			X							X		X		X
13B-0507	Core	2.5	3.5	13B-0507-C2	13B-0507-C2DS	10/1/2013		X	X		X	X			X	X	X	X					X	
13B-0507	Grab	0	0.5	13B-0507-G1	13B-0507-G1AS	10/1/2013	X							X							X			
13B-0508	Grab	0	0.5	13B-0508-G3	13B-0508-G3AS	10/3/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0509	Core	0	0.5	13B-0509-C1	13B-0509-C1AS	10/14/2013		X	X		X	X		X		X	X	X					X	
13B-0509	Core	0	0.5	13B-0509-C2	13B-0509-C2AS	10/14/2013									X							X		X
13B-0509	Core	0.5	1.5	13B-0509-C1	13B-0509-C1BS	10/14/2013		X	X		X	X		X	X	X	X	X					X	
13B-0509	Core	0.5	1.5	13B-0509-C2	13B-0509-C2BS	10/14/2013				X			X							X		X		X
13B-0509	Core	1.5	2.5	13B-0509-C1	13B-0509-C1CS	10/14/2013		X	X		X	X		X	X	X	X	X				X	X	
13B-0509	Core	1.5	2.5	13B-0509-C2	13B-0509-C2CS	10/14/2013				X			X							X				X
13B-0509	Core	3.17	4.17	13B-0509-C1	13B-0509-C1ES	10/14/2013		X	X	X	X	X	X	X	X	X	X	X		X		X	X	X
13B-0510	Core	0	0.5	13B-0510-C1	13B-0510-C1AS	9/25/2013				X			X		X					X		X		X
13B-0510	Core	0	0.5	13B-0510-C3	13B-0510-C3AS	9/25/2013		X	X		X	X				X	X	X					X	
13B-0510	Core	0.5	1.7	13B-0510-C1	13B-0510-C1BS	9/25/2013				X			X							X		X		X
13B-0510	Core	0.5	1.9	13B-0510-C3	13B-0510-C3BS	9/25/2013		X	X		X	X			X	X	X	X					X	
13B-0511	Core	0	0.5	13B-0511-C1	13B-0511-C1AS	10/8/2013				X			X		X					X		X		X
13B-0511	Core	0	0.5	13B-0511-C3	13B-0511-C3AS	10/8/2013		X	X		X	X				X	X	X					X	
13B-0511	Core	0.5	1.5	13B-0511-C1	13B-0511-C1BS	10/8/2013		X	X	X		X	X							X		X	X	X
13B-0511	Core	0.5	1.5	13B-0511-C3	13B-0511-C3BS	10/8/2013					X				X	X	X	X						
13B-0511	Core	1.5	2.5	13B-0511-C1	13B-0511-C1CS	10/8/2013				X			X							X				X
13B-0511	Core	1.5	2.5	13B-0511-C3	13B-0511-C3CS	10/8/2013		X	X		X	X			X	X	X	X				X	X	
13B-0511	Core	5.95	6.95	13B-0511-C3	13B-0511-C3HS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0511	Grab	0	0.5	13B-0511-G1	13B-0511-G1AS	10/8/2013	X							X							X			
13B-0512	Grab	0	0.5	13B-0512-G1	13B-0512-G1AS	9/25/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0513	Grab	0	0.5	13B-0513-G1	13B-0513-G1AS	10/2/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0514	Grab	0	0.5	13B-0514-G1	13B-0514-G1AS	9/25/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0515	Core	0	0.5	13B-0515-C1	13B-0515-C1AS	10/8/2013					X				X	X	X	X						
13B-0515	Core	0	0.5	13B-0515-C2	13B-0515-C2AS	10/8/2013		X	X	X		X	X							X		X	X	X
13B-0515	Core	0.5	1.71	13B-0515-C1	13B-0515-C1BS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0515	Core	1.5	2.19	13B-0515-C2	13B-0515-C2CS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0515	Grab	0	0.5	13B-0515-G1	13B-0515-G1AS	10/8/2013	X							X							X			
13B-0516	Core	0	0.5	13B-0516-C2	13B-0516-C2AS	10/10/2013		X	X		X	X				X	X	X					X	
13B-0516	Core	0	0.5	13B-0516-C3	13B-0516-C3AS	10/10/2013				X			X		X					X		X		X
13B-0516	Core	0.5	1.5	13B-0516-C2	13B-0516-C2BS	10/10/2013		X	X		X	X			X	X	X	X				X	X	
13B-0516	Core	0.5	1.5	13B-0516-C3	13B-0516-C3BS	10/10/2013				X			X							X				X
13B-0516	Core	1.5	2.5	13B-0516-C2	13B-0516-C2CS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0516	Core	10.4	11.4	13B-0516-C2	13B-0516-C2LS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0516	Grab	0	0.5	13B-0516-G2	13B-0516-G2AS	10/9/2013	X							X							X			
13B-0517	Grab	0	0.5	13B-0517-G2	13B-0517-G2AS	10/21/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X

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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0518	Grab	0	0.5	13B-0518-G1	13B-0518-G1AS	10/10/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0519	Core	0	0.5	13B-0519-C2	13B-0519-C2AS	10/22/2013		X	X		X	X				X	X	X					X	
13B-0519	Core	0	0.5	13B-0519-C5	13B-0519-C5AS	10/22/2013				X			X		X					X		X		X
13B-0519	Core	0.5	1.5	13B-0519-C2	13B-0519-C2BS	10/22/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0519	Core	1.5	2.5	13B-0519-C2	13B-0519-C2CS	10/22/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0519	Core	16.1	17.1	13B-0519-C2	13B-0519-C2RS	10/22/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0519	Grab	0	0.5	13B-0519-G1	13B-0519-G1AS	10/21/2013	X							X							X			
13B-0520	Grab	0	0.5	13B-0520-G1	13B-0520-G1AS	10/3/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0521	Core	0	0.5	13B-0521-C2	13B-0521-C2AS	10/9/2013									X	X	X	X						
13B-0521	Core	0	0.5	13B-0521-C3	13B-0521-C3AS	10/9/2013		X	X	X	X	X	X							X		X	X	X
13B-0521	Core	0.5	1.5	13B-0521-C2	13B-0521-C2BS	10/9/2013		X	X		X	X			X	X	X	X				X	X	
13B-0521	Core	0.5	1.5	13B-0521-C3	13B-0521-C3BS	10/9/2013				X			X							X				X
13B-0521	Core	1.5	2.5	13B-0521-C2	13B-0521-C2CS	10/9/2013					X				X	X	X	X						X
13B-0521	Core	1.5	2.5	13B-0521-C3	13B-0521-C3CS	10/9/2013		X	X	X		X	X							X		X	X	
13B-0521	Core	6.5	7.63	13B-0521-C2	13B-0521-C2HS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0521	Grab	0	0.5	13B-0521-G1	13B-0521-G1AS	10/9/2013	X							X							X			
13B-0522	Grab	0	0.5	13B-0522-G1	13B-0522-G1AS	10/4/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0523	Grab	0	0.5	13B-0523-G2	13B-0523-G2AS	10/23/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0524	Core	0	0.5	13B-0524-C1	13B-0524-C1AS	10/9/2013					X				X	X	X	X						
13B-0524	Core	0.5	1.5	13B-0524-C1	13B-0524-C1BS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0524	Core	1.5	2.5	13B-0524-C1	13B-0524-C1CS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0524	Core	5.39	6.39	13B-0524-C1	13B-0524-C1GS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	
13B-0524	Grab	0	0.5	13B-0524-G1	13B-0524-G1AS	10/9/2013	X	X	X	X		X	X	X						X	X	X	X	X
13B-0525	Core	0	0.5	13B-0525-C1	13B-0525-C1AS	10/9/2013		X	X		X	X				X	X	X					X	
13B-0525	Core	0	0.5	13B-0525-C2	13B-0525-C2AS	10/9/2013				X			X		X					X		X		X
13B-0525	Core	0.5	1.5	13B-0525-C1	13B-0525-C1BS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0525	Core	1.5	2.5	13B-0525-C1	13B-0525-C1CS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0525	Core	6.42	7.42	13B-0525-C1	13B-0525-C1HS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0525	Grab	0	0.5	13B-0525-G1	13B-0525-G1AS	10/9/2013	X							X							X			
13B-0526	Core	0	0.5	13B-0526-C1	13B-0526-C1AS	10/8/2013		X	X		X	X				X	X	X					X	
13B-0526	Core	0	0.5	13B-0526-C2	13B-0526-C2AS	10/8/2013				X			X		X					X		X		X
13B-0526	Core	0.5	1.5	13B-0526-C1	13B-0526-C1BS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0526	Core	1.5	2.5	13B-0526-C1	13B-0526-C1CS	10/8/2013		X	X		X	X				X	X	X					X	
13B-0526	Core	1.5	2.5	13B-0526-C2	13B-0526-C2CS	10/8/2013				X			X		X					X		X		X
13B-0526	Core	6.5	7.62	13B-0526-C1	13B-0526-C1HS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0526	Grab	0	0.5	13B-0526-G1	13B-0526-G1AS	10/8/2013	X							X							X			
13B-0527	Core	0	0.5	13B-0527-C1	13B-0527-C1AS	10/8/2013		X	X			X										X	X	
13B-0527	Core	0	0.5	13B-0527-C2	13B-0527-C2AS	10/8/2013									X	X	X	X						
13B-0527	Core	0	0.5	13B-0527-C3	13B-0527-C3AS	10/8/2013					X													X
13B-0527	Core	0	0.5	13B-0527-C4	13B-0527-C4AS	10/8/2013				X			X							X				
13B-0527	Core	0.5	1.5	13B-0527-C2	13B-0527-C2BS	10/8/2013		X	X		X	X				X	X	X					X	
13B-0527	Core	0.5	1.5	13B-0527-C3	13B-0527-C3BS	10/8/2013				X			X		X					X		X		X

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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0527	Core	1.5	2.31	13B-0527-C3	13B-0527-C3CS	10/8/2013		X	X	X		X	X							X		X	X	
13B-0527	Core	1.5	2.6	13B-0527-C2	13B-0527-C2CS	10/8/2013					X				X	X	X	X						X
13B-0527	Grab	0	0.5	13B-0527-G1	13B-0527-G1AS	10/8/2013	X							X							X			
13B-0528	Core	0	0.5	13B-0528-C3	13B-0528-C3AS	10/9/2013		X	X		X	X				X	X	X					X	
13B-0528	Core	0	0.5	13B-0528-C4	13B-0528-C4AS	10/9/2013				X			X		X					X		X		X
13B-0528	Core	0.5	1.5	13B-0528-C3	13B-0528-C3BS	10/9/2013		X	X		X	X			X	X	X	X				X	X	
13B-0528	Core	0.5	1.5	13B-0528-C4	13B-0528-C4BS	10/9/2013				X			X							X				X
13B-0528	Core	1.5	2.5	13B-0528-C3	13B-0528-C3CS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0528	Core	10.5	11.54	13B-0528-C3	13B-0528-C3LS	10/9/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0528	Grab	0	0.5	13B-0528-G2	13B-0528-G2AS	10/9/2013	X							X							X			
13B-0529	Core	0	0.5	13B-0529-C2	13B-0529-C2AS	10/4/2013		X	X		X	X			X	X	X	X					X	
13B-0529	Core	0	0.5	13B-0529-C3	13B-0529-C3AS	10/4/2013				X			X							X		X		X
13B-0529	Core	0.5	1.5	13B-0529-C2	13B-0529-C2BS	10/4/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0529	Core	1.5	2.5	13B-0529-C2	13B-0529-C2CS	10/4/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0529	Core	3.5	4.2	13B-0529-C2	13B-0529-C2ES	10/4/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0529	Grab	0	0.5	13B-0529-G1	13B-0529-G1AS	10/4/2013	X							X							X			
13B-0530	Core	0	0.5	13B-0530-C1	13B-0530-C1AS	9/25/2013									X	X	X	X						
13B-0530	Core	0	0.5	13B-0530-C3	13B-0530-C3AS	9/25/2013		X	X		X	X										X	X	
13B-0530	Core	0	0.5	13B-0530-C4	13B-0530-C4AS	9/25/2013				X			X							X				X
13B-0530	Core	0.5	1.5	13B-0530-C1	13B-0530-C1BS	9/25/2013									X	X	X	X						
13B-0530	Core	0.5	1.5	13B-0530-C3	13B-0530-C3BS	9/25/2013		X	X		X	X										X	X	
13B-0530	Core	0.5	1.5	13B-0530-C4	13B-0530-C4BS	9/25/2013				X			X							X				X
13B-0530	Core	1.5	1.62	13B-0530-C4	13B-0530-C4CS	9/25/2013				X			X							X		X		
13B-0530	Core	1.5	1.8	13B-0530-C1	13B-0530-C1CS	9/25/2013										X	X							
13B-0530	Core	1.5	1.93	13B-0530-C3	13B-0530-C3CS	9/25/2013		X	X		X	X			X			X					X	
13B-0530	Grab	0	0.5	13B-0530-G2	13B-0530-G2AS	9/25/2013	X							X							X			
13B-0531	Core	0	0.5	13B-0531-C1	13B-0531-C1AS	10/14/2013		X	X			X			X								X	
13B-0531	Core	0	0.5	13B-0531-C2	13B-0531-C2AS	10/14/2013					X					X	X	X						
13B-0531	Core	0	0.5	13B-0531-C3	13B-0531-C3AS	10/14/2013				X			X							X		X		X
13B-0531	Core	0.5	1.5	13B-0531-C1	13B-0531-C1BS	10/14/2013		X	X	X		X	X							X		X	X	X
13B-0531	Core	0.5	1.5	13B-0531-C2	13B-0531-C2BS	10/14/2013					X				X	X	X	X						
13B-0531	Core	1.5	2.3	13B-0531-C1	13B-0531-C1CS	10/14/2013		X	X	X		X	X							X		X	X	
13B-0531	Core	1.5	2.5	13B-0531-C2	13B-0531-C2CS	10/14/2013					X				X	X	X	X						X
13B-0531	Core	3.5	4.42	13B-0531-C2	13B-0531-C2ES	10/14/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0531	Grab	0	0.5	13B-0531-G1	13B-0531-G1AS	10/14/2013	X							X							X			
13B-0532	Core	0	0.5	13B-0532-C1	13B-0532-C1AS	10/8/2013		X	X		X	X			X	X	X	X				X	X	
13B-0532	Core	0	0.5	13B-0532-C2	13B-0532-C2AS	10/8/2013				X			X							X				X
13B-0532	Core	0.5	1.5	13B-0532-C1	13B-0532-C1BS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0532	Core	1.5	2.5	13B-0532-C1	13B-0532-C1CS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0532	Core	2.5	3.73	13B-0532-C1	13B-0532-C1DS	10/8/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0532	Grab	0	0.5	13B-0532-G1	13B-0532-G1AS	10/8/2013	X							X							X			
13B-0533	Core	0	0.5	13B-0533-C1	13B-0533-C1AS	9/26/2013		X	X			X										X	X	

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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0533	Core	0	0.5	13B-0533-C2	13B-0533-C2AS	9/26/2013										X	X							
13B-0533	Core	0	0.5	13B-0533-C3	13B-0533-C3AS	9/26/2013					X				X			X						
13B-0533	Core	0.5	1.5	13B-0533-C2	13B-0533-C2BS	9/26/2013					X				X	X	X	X						
13B-0533	Core	0.5	1.5	13B-0533-C3	13B-0533-C3BS	9/26/2013		X	X	X		X	X							X		X	X	X
13B-0533	Core	1.5	2.5	13B-0533-C2	13B-0533-C2CS	9/26/2013					X				X	X	X	X						
13B-0533	Core	1.5	2.5	13B-0533-C3	13B-0533-C3CS	9/26/2013		X	X	X		X	X							X		X	X	X
13B-0533	Core	8.5	9.35	13B-0533-C3	13B-0533-C3JS	9/26/2013		X	X	X		X	X		X			X		X		X	X	X
13B-0533	Core	8.5	9.62	13B-0533-C2	13B-0533-C2JS	9/26/2013					X					X	X							
13B-0533	Grab	0	0.5	13B-0533-G1	13B-0533-G1AS	9/26/2013	X			X			X	X						X	X			X
13B-0534	Core	0	0.5	13B-0534-C2	13B-0534-C2AS	10/7/2013					X					X	X							
13B-0534	Core	0	0.5	13B-0534-C3	13B-0534-C3AS	10/7/2013		X	X			X						X					X	
13B-0534	Core	0.5	1.5	13B-0534-C2	13B-0534-C2BS	10/7/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0534	Core	1.5	2.5	13B-0534-C2	13B-0534-C2CS	10/7/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0534	Core	7.5	8.59	13B-0534-C2	13B-0534-C2IS	10/7/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0534	Grab	0	0.5	13B-0534-G1	13B-0534-G1AS	10/7/2013	X			X			X	X	X					X	X	X		X
13B-0535	Core	0	0.5	13B-0535-C2	13B-0535-C2AS	10/10/2013					X				X	X	X	X						
13B-0535	Core	0	0.5	13B-0535-C3	13B-0535-C3AS	10/10/2013		X	X			X										X	X	X
13B-0535	Core	0.5	1.5	13B-0535-C2	13B-0535-C2BS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0535	Core	1.5	2.45	13B-0535-C2	13B-0535-C2CS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0535	Grab	0	0.5	13B-0535-G1	13B-0535-G1AS	10/10/2013	X			X			X	X						X	X			
13B-0536	Core	0	0.5	13B-0536-C1	13B-0536-C1AS	10/10/2013		X	X		X	X				X	X	X					X	
13B-0536	Core	0	0.5	13B-0536-C3	13B-0536-C3AS	10/10/2013				X			X		X					X		X		X
13B-0536	Core	0.5	1.5	13B-0536-C1	13B-0536-C1BS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0536	Core	1.5	2.5	13B-0536-C1	13B-0536-C1CS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0536	Core	4.28	5.28	13B-0536-C1	13B-0536-C1FS	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0536	Grab	0	0.5	13B-0536-G1	13B-0536-G1AS	10/10/2013	X							X							X			
13B-0537	Core	0	0.5	13B-0537-C2	13B-0537-C2AS	10/16/2013				X			X							X		X		X
13B-0537	Core	0	0.5	13B-0537-C3	13B-0537-C3AS	10/16/2013		X	X		X	X			X	X	X	X					X	
13B-0537	Grab	0	0.5	13B-0537-G2	13B-0537-G2AS	10/16/2013	X							X							X			
13B-0538	Core	0	0.5	13B-0538-C2	13B-0538-C2AS	10/15/2013				X			X		X					X		X		X
13B-0538	Core	0	0.5	13B-0538-C3	13B-0538-C3AS	10/15/2013		X	X		X	X				X	X	X					X	
13B-0538	Core	0.5	1.5	13B-0538-C3	13B-0538-C3BS	10/15/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0538	Core	1.5	2.5	13B-0538-C3	13B-0538-C3CS	10/15/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0538	Core	3.5	4.8	13B-0538-C3	13B-0538-C3ES	10/15/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0538	Grab	0	0.5	13B-0538-G1	13B-0538-G1AS	10/15/2013	X							X							X			
13B-0539	Core	0	0.5	13B-0539-C2	13B-0539-C2AS	10/16/2013		X	X		X	X						X					X	
13B-0539	Core	0	0.5	13B-0539-C3	13B-0539-C3AS	10/16/2013										X	X							
13B-0539	Core	0.5	1.5	13B-0539-C3	13B-0539-C3BS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0539	Core	1.5	2.5	13B-0539-C3	13B-0539-C3CS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0539	Core	6.5	7.59	13B-0539-C3	13B-0539-C3HS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0539	Grab	0	0.5	13B-0539-G2	13B-0539-G2AS	10/16/2013	X			X			X	X	X					X	X	X		X
13B-0540	Core	0	0.5	13B-0540-C3	13B-0540-C3AS	10/15/2013				X			X		X					X		X		X

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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0540	Core	0	0.5	13B-0540-C4	13B-0540-C4AS	10/15/2013		X	X		X	X				X	X	X					X	
13B-0540	Core	0.5	1.5	13B-0540-C3	13B-0540-C3BS	10/15/2013				X			X							X				X
13B-0540	Core	0.5	1.5	13B-0540-C4	13B-0540-C4BS	10/15/2013		X	X		X	X			X	X	X	X				X	X	
13B-0540	Core	1.5	2.5	13B-0540-C3	13B-0540-C3CS	10/15/2013				X			X							X				X
13B-0540	Core	1.5	2.5	13B-0540-C4	13B-0540-C4CS	10/15/2013		X	X		X	X			X	X	X	X				X	X	
13B-0540	Core	10.3	11.25	13B-0540-C4	13B-0540-C4LS	10/15/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0540	Grab	0	0.5	13B-0540-G2	13B-0540-G2AS	10/15/2013	X							X							X			
13B-0541	Core	0	0.5	13B-0541-C1	13B-0541-C1AS	10/11/2013		X	X		X	X				X	X	X					X	
13B-0541	Core	0	0.5	13B-0541-C2	13B-0541-C2AS	10/11/2013				X			X		X					X		X		X
13B-0541	Core	0.5	1.5	13B-0541-C1	13B-0541-C1BS	10/11/2013		X	X		X	X			X	X	X	X				X	X	
13B-0541	Core	0.5	1.5	13B-0541-C2	13B-0541-C2BS	10/11/2013				X			X							X				X
13B-0541	Core	1.5	2.5	13B-0541-C1	13B-0541-C1CS	10/11/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0541	Core	4.5	5.67	13B-0541-C1	13B-0541-C1FS	10/11/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0541	Grab	0	0.5	13B-0541-G1	13B-0541-G1AS	10/11/2013	X							X							X			
13B-0542	Core	0	0.5	13B-0542-C2	13B-0542-C2AS	10/11/2013		X	X		X	X			X	X	X	X					X	
13B-0542	Core	0	0.5	13B-0542-C3	13B-0542-C3AS	10/11/2013				X			X							X		X		X
13B-0542	Core	0.5	1.5	13B-0542-C2	13B-0542-C2BS	10/11/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0542	Core	1.5	2.5	13B-0542-C2	13B-0542-C2CS	10/11/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0542	Core	6.5	7.55	13B-0542-C2	13B-0542-C2HS	10/11/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0542	Grab	0	0.5	13B-0542-G1	13B-0542-G1AS	10/11/2013	X							X							X			
13B-0543	Grab	0	0.5	13B-0543-G1	13B-0543-G1AS	10/11/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0544	Core	0	0.5	13B-0544-C1	13B-0544-C1AS	10/16/2013		X	X	X		X	X							X		X	X	X
13B-0544	Core	0	0.5	13B-0544-C2	13B-0544-C2AS	10/16/2013					X				X	X	X	X						
13B-0544	Core	0.5	1.5	13B-0544-C2	13B-0544-C2BS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0544	Core	1.5	2.5	13B-0544-C2	13B-0544-C2CS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0544	Core	3	3.97	13B-0544-C2	13B-0544-C2ES	10/16/2013		X	X		X	X			X	X	X	X				X	X	
13B-0544	Core	3.5	4.33	13B-0544-C1	13B-0544-C1ES	10/16/2013				X			X							X				X
13B-0544	Grab	0	0.5	13B-0544-G1	13B-0544-G1AS	10/16/2013	X							X							X			
13B-0546	Grab	0	0.5	13B-0546-G2	13B-0546-G2AS	9/24/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0547	Core	0	0.25	13B-0547-C5	13B-0547-C5AAS	10/25/2013											X	X	X					
13B-0547	Core	0	0.5	13B-0547-C2	13B-0547-C2AS	9/23/2013									X	X	X	X						
13B-0547	Core	0	0.5	13B-0547-C3	13B-0547-C3AS	9/24/2013		X	X		X	X										X	X	
13B-0547	Core	0.25	0.5	13B-0547-C5	13B-0547-C5ABS	10/25/2013											X	X	X					
13B-0547	Core	0.5	0.75	13B-0547-C5	13B-0547-C5ACS	10/25/2013											X	X	X					
13B-0547	Core	0.5	1.5	13B-0547-C2	13B-0547-C2BS	9/23/2013		X	X		X	X			X	X	X	X					X	
13B-0547	Core	0.5	1.5	13B-0547-C3	13B-0547-C3BS	9/24/2013				X			X							X		X		X
13B-0547	Core	0.75	1	13B-0547-C5	13B-0547-C5ADS	10/25/2013											X	X	X					
13B-0547	Core	1	1.25	13B-0547-C5	13B-0547-C5AES	10/25/2013											X	X	X					
13B-0547	Core	1.25	1.5	13B-0547-C5	13B-0547-C5AFS	10/25/2013											X	X	X					
13B-0547	Core	1.5	1.75	13B-0547-C5	13B-0547-C5AGS	10/25/2013											X	X	X					
13B-0547	Core	1.5	2.05	13B-0547-C2	13B-0547-C2CS	9/23/2013					X				X	X	X	X						
13B-0547	Core	1.5	2.5	13B-0547-C3	13B-0547-C3CS	9/24/2013		X	X	X		X	X							X		X	X	X

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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0547	Core	1.75	2	13B-0547-C5	13B-0547-C5AHS	10/25/2013											X	X	X					
13B-0547	Core	2	2.25	13B-0547-C5	13B-0547-C5AIS	10/25/2013											X	X	X					
13B-0547	Core	2.25	2.5	13B-0547-C5	13B-0547-C5AJS	10/25/2013											X	X	X					
13B-0547	Core	2.5	2.75	13B-0547-C5	13B-0547-C5AKS	10/25/2013											X	X	X					
13B-0547	Core	2.75	3	13B-0547-C5	13B-0547-C5ALS	10/25/2013											X	X	X					
13B-0547	Core	6.5	7.15	13B-0547-C2	13B-0547-C2HS	9/23/2013		X	X	X	X	X	X			X	X	X		X			X	
13B-0547	Grab	0	0.5	13B-0547-G1	13B-0547-G1AS	9/24/2013	X			X			X	X						X	X			X
13B-0548	Core	0	0.5	13B-0548-C1	13B-0548-C1AS	10/18/2013		X	X		X	X				X	X	X					X	
13B-0548	Core	0	0.5	13B-0548-C2	13B-0548-C2AS	10/18/2013				X			X		X					X		X		X
13B-0548	Core	0.5	1.5	13B-0548-C1	13B-0548-C1BS	10/18/2013		X	X		X	X				X	X	X					X	
13B-0548	Core	0.5	1.5	13B-0548-C2	13B-0548-C2BS	10/18/2013				X			X		X					X		X		X
13B-0548	Core	1.5	2.5	13B-0548-C1	13B-0548-C1CS	10/18/2013		X	X		X	X				X	X	X					X	
13B-0548	Core	1.5	2.5	13B-0548-C2	13B-0548-C2CS	10/18/2013				X			X		X					X		X		X
13B-0548	Core	7.5	8.79	13B-0548-C1	13B-0548-C1IS	10/18/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0548	Grab	0	0.5	13B-0548-G1	13B-0548-G1AS	10/18/2013	X							X							X			
13B-0549	Core	0	0.5	13B-0549-C2	13B-0549-C2AS	10/17/2013				X			X		X			X		X		X		X
13B-0549	Core	0	0.5	13B-0549-C3	13B-0549-C3AS	10/17/2013		X	X		X	X				X	X						X	
13B-0549	Core	0.5	1.5	13B-0549-C3	13B-0549-C3BS	10/17/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0549	Core	1.5	2.65	13B-0549-C3	13B-0549-C3CS	10/17/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0549	Grab	0	0.5	13B-0549-G1	13B-0549-G1AS	10/17/2013	X							X							X			
13B-0550	Core	0	0.5	13B-0550-C1	13B-0550-C1AS	9/26/2013				X			X		X					X		X		X
13B-0550	Core	0	0.5	13B-0550-C3	13B-0550-C3AS	9/26/2013		X	X		X	X				X	X	X					X	
13B-0550	Core	0.5	1.5	13B-0550-C3	13B-0550-C3BS	9/26/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0550	Core	1.5	2.5	13B-0550-C3	13B-0550-C3CS	9/26/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0550	Core	4.5	5.37	13B-0550-C3	13B-0550-C3FS	9/26/2013		X	X	X	X	X	X			X	X	X		X			X	
13B-0550	Grab	0	0.5	13B-0550-G1	13B-0550-G1AS	9/26/2013	X							X							X			
13B-0551	Core	0	0.5	13B-0551-C1	13B-0551-C1AS	9/24/2013								X							X			
13B-0551	Core	0	0.5	13B-0551-C2	13B-0551-C2AS	9/24/2013					X					X	X	X						
13B-0551	Core	0.5	0.88	13B-0551-C2	13B-0551-C2BS	9/24/2013				X	X		X			X	X			X				
13B-0551	Grab	0	0.5	13B-0551-G2	13B-0551-G2AS	9/24/2013	X	X	X	X		X	X		X					X		X	X	X
13B-0552	Core	0	0.5	13B-0552-C1	13B-0552-C1AS	10/17/2013		X	X			X										X	X	X
13B-0552	Core	0	0.5	13B-0552-C2	13B-0552-C2AS	10/17/2013				X			X							X				
13B-0552	Core	0	0.5	13B-0552-C3	13B-0552-C3AS	10/17/2013					X				X	X	X	X						
13B-0552	Core	0.5	1.5	13B-0552-C1	13B-0552-C1BS	10/17/2013		X	X	X		X	X		X					X		X	X	X
13B-0552	Core	0.5	1.5	13B-0552-C3	13B-0552-C3BS	10/17/2013					X					X	X	X						
13B-0552	Core	1.5	2.2	13B-0552-C1	13B-0552-C1CS	10/17/2013		X	X			X			X							X	X	
13B-0552	Core	1.5	2.38	13B-0552-C3	13B-0552-C3CS	10/17/2013					X					X	X	X						
13B-0552	Core	1.5	2.5	13B-0552-C2	13B-0552-C2CS	10/17/2013				X			X							X				X
13B-0552	Grab	0	0.5	13B-0552-G2	13B-0552-G2AS	10/17/2013	X							X							X			
13B-0553	Core	0	0.5	13B-0553-C1	13B-0553-C1AS	10/16/2013				X			X		X					X		X		X
13B-0553	Core	0	0.5	13B-0553-C2	13B-0553-C2AS	10/16/2013		X	X		X	X				X	X	X					X	
13B-0553	Core	0.5	1.5	13B-0553-C2	13B-0553-C2BS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X

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Sediment Samples
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Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0553	Core	1.5	2.5	13B-0553-C2	13B-0553-C2CS	10/16/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0553	Core	2.5	3.5	13B-0553-C2	13B-0553-C2DS	10/16/2013		X	X		X	X				X	X	X					X	
13B-0553	Grab	0	0.5	13B-0553-G2	13B-0553-G2AS	10/16/2013	X							X							X			
13B-0554	Core	0	0.5	13B-0554-C1	13B-0554-C1AS	10/14/2013										X	X							
13B-0554	Core	0	0.5	13B-0554-C4	13B-0554-C4AS	10/14/2013		X	X		X	X						X					X	
13B-0554	Core	0.5	1.5	13B-0554-C1	13B-0554-C1BS	10/14/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0554	Core	1.5	2.5	13B-0554-C1	13B-0554-C1CS	10/14/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0554	Core	3.5	4.7	13B-0554-C1	13B-0554-C1ES	10/14/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0554	Grab	0	0.5	13B-0554-G2	13B-0554-G2AS	10/14/2013	X			X			X	X	X					X	X	X		X
13B-0555	Core	0	0.5	13B-0555-C1	13B-0555-C1AS	10/3/2013		X	X		X	X			X	X	X	X					X	
13B-0555	Core	0	0.5	13B-0555-C2	13B-0555-C2AS	10/3/2013				X			X							X		X		X
13B-0555	Core	0.5	1.22	13B-0555-C1	13B-0555-C1BS	10/3/2013		X	X		X	X				X	X	X					X	
13B-0555	Core	0.5	1.5	13B-0555-C2	13B-0555-C2BS	10/3/2013				X			X		X					X		X		X
13B-0555	Core	1.5	2	13B-0555-C2	13B-0555-C2CS	10/3/2013		X	X	X	X	X	X		X	X	X	X		X			X	
13B-0555	Core	2	3	13B-0555-C2	13B-0555-C2DS	10/3/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	
13B-0555	Grab	0	0.5	13B-0555-G1	13B-0555-G1AS	10/3/2013	X							X							X			
13B-0556	Core	0	0.5	13B-0556-C1	13B-0556-C1AS	10/7/2013					X													X
13B-0556	Core	0	0.5	13B-0556-C2	13B-0556-C2AS	10/7/2013									X	X	X	X						
13B-0556	Core	0	0.5	13B-0556-C3	13B-0556-C3AS	10/7/2013		X	X	X		X	X							X		X	X	
13B-0556	Core	0.5	1.5	13B-0556-C1	13B-0556-C1BS	10/7/2013		X	X	X		X	X							X		X	X	X
13B-0556	Core	0.5	1.5	13B-0556-C2	13B-0556-C2BS	10/7/2013					X				X	X	X	X						
13B-0556	Core	1.5	2.38	13B-0556-C2	13B-0556-C2CS	10/7/2013		X	X		X	X			X	X	X	X				X	X	
13B-0556	Core	1.5	2.5	13B-0556-C1	13B-0556-C1CS	10/7/2013				X			X							X				X
13B-0556	Grab	0	0.5	13B-0556-G1	13B-0556-G1AS	10/7/2013	X							X							X			
13B-0557	Core	0	0.5	13B-0557-C1	13B-0557-C1AS	10/2/2013				X			X		X					X		X		X
13B-0557	Core	0	0.5	13B-0557-C2	13B-0557-C2AS	10/2/2013		X	X		X	X				X	X	X					X	
13B-0557	Core	0.5	1.5	13B-0557-C2	13B-0557-C2BS	10/2/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0557	Core	1.5	2.5	13B-0557-C2	13B-0557-C2CS	10/2/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0557	Core	3.5	4.5	13B-0557-C2	13B-0557-C2ES	10/2/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0557	Grab	0	0.5	13B-0557-G1	13B-0557-G1AS	10/2/2013	X							X							X			
13B-0558	Core	0	0.5	13B-0558-C2	13B-0558-C2AS	10/3/2013		X	X		X	X				X	X	X					X	
13B-0558	Core	0	0.5	13B-0558-C3	13B-0558-C3AS	10/3/2013				X			X		X					X		X		X
13B-0558	Core	0.5	1.5	13B-0558-C2	13B-0558-C2BS	10/3/2013		X	X		X	X			X	X	X	X					X	
13B-0558	Core	0.5	1.5	13B-0558-C3	13B-0558-C3BS	10/3/2013				X			X							X		X		X
13B-0558	Core	1.5	2.5	13B-0558-C2	13B-0558-C2CS	10/3/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0558	Core	4.5	5.75	13B-0558-C2	13B-0558-C2FS	10/3/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0558	Grab	0	0.5	13B-0558-G1	13B-0558-G1AS	10/3/2013	X							X							X			
13B-0559	Core	0	0.5	13B-0559-C2	13B-0559-C2AS	9/30/2013		X	X		X	X										X	X	X
13B-0559	Core	0	0.5	13B-0559-C3	13B-0559-C3AS	9/30/2013									X	X	X	X						
13B-0559	Core	0.5	1.5	13B-0559-C2	13B-0559-C2BS	9/30/2013		X	X	X		X	X							X		X	X	X
13B-0559	Core	0.5	1.5	13B-0559-C3	13B-0559-C3BS	9/30/2013					X				X	X	X	X						
13B-0559	Core	1.5	2.5	13B-0559-C2	13B-0559-C2CS	9/30/2013		X	X	X		X	X							X		X	X	X

Appendix A-1
Sediment Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0559	Core	1.5	2.5	13B-0559-C3	13B-0559-C3CS	9/30/2013					X				X	X	X	X						
13B-0559	Core	5.5	6	13B-0559-C3	13B-0559-C3GS	9/30/2013		X	X		X	X				X	X	X					X	
13B-0559	Core	5.5	646	13B-0559-C2	13B-0559-C2GS	9/30/2013				X			X		X					X		X		X
13B-0559	Grab	0	0.5	13B-0559-G1	13B-0559-G1AS	9/30/2013	X			X			X	X						X	X			
13B-0560	Core	0	0.5	13B-0560-C1	13B-0560-C1AS	9/27/2013		X	X		X	X				X	X	X					X	
13B-0560	Core	0	0.5	13B-0560-C3	13B-0560-C3AS	9/27/2013				X			X		X					X		X		X
13B-0560	Core	0.5	1.5	13B-0560-C1	13B-0560-C1BS	9/27/2013					X				X	X	X	X						
13B-0560	Core	0.5	1.5	13B-0560-C3	13B-0560-C3BS	9/27/2013		X	X	X		X	X							X		X	X	X
13B-0560	Core	1.5	2.5	13B-0560-C1	13B-0560-C1CS	9/27/2013					X				X	X	X	X						
13B-0560	Core	1.5	2.5	13B-0560-C3	13B-0560-C3CS	9/27/2013		X	X	X		X	X							X		X	X	X
13B-0560	Core	4.9	6.5	13B-0560-C3	13B-0560-C3GS	9/27/2013				X			X							X				X
13B-0560	Core	5.14	5.86	13B-0560-C1	13B-0560-C1GS	9/27/2013		X	X		X	X			X	X	X	X				X	X	
13B-0560	Grab	0	0.5	13B-0560-G1	13B-0560-G1AS	9/27/2013	X							X							X			
13B-0561	Core	0	0.5	13B-0561-C1	13B-0561-C1AS	9/30/2013		X	X		X	X				X	X	X						X	
13B-0561	Core	0	0.5	13B-0561-C2	13B-0561-C2AS	9/30/2013				X			X		X					X		X		X
13B-0561	Core	0.5	1.5	13B-0561-C1	13B-0561-C1BS	9/30/2013		X	X		X	X			X	X	X	X				X	X	
13B-0561	Core	0.5	1.5	13B-0561-C2	13B-0561-C2BS	9/30/2013				X			X							X				X
13B-0561	Core	1.5	2.5	13B-0561-C1	13B-0561-C1CS	9/30/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0561	Core	5.5	6.5	13B-0561-C1	13B-0561-C1GS	9/30/2013		X	X		X	X				X	X	X					X	
13B-0561	Grab	0	0.5	13B-0561-G3	13B-0561-G3AS	9/30/2013	X							X							X			
13B-0562	Grab	0	0.5	13B-0562-G1	13B-0562-G1AS	9/27/2013				X			X	X						X	X			
13B-0562	Grab	0	0.5	13B-0562-G2	13B-0562-G2AS	9/27/2013	X	X	X		X	X			X	X	X	X				X	X	X
13B-0563	Core	0	0.5	13B-0563-C1	13B-0563-C1AS	9/24/2013		X	X		X	X			X			X				X	X	
13B-0563	Core	0	0.5	13B-0563-C2	13B-0563-C2AS	9/24/2013										X	X							
13B-0563	Core	0.5	1.1	13B-0563-C2	13B-0563-C2BS	9/24/2013		X	X		X	X				X	X	X					X	
13B-0563	Core	0.5	1.5	13B-0563-C1	13B-0563-C1BS	9/24/2013				X			X		X					X		X		X
13B-0563	Core	1.1	2.5	13B-0563-C2	13B-0563-C2CS	9/24/2013		X	X		X	X			X	X	X	X				X	X	
13B-0563	Core	1.5	2.5	13B-0563-C1	13B-0563-C1CS	9/24/2013				X			X							X				X
13B-0563	Core	7.5	8.28	13B-0563-C2	13B-0563-C2IS	9/24/2013		X	X		X	X			X	X	X	X					X	
13B-0563	Grab	0	0.5	13B-0563-G1	13B-0563-G1AS	9/24/2013	X			X			X	X						X	X			X
13B-0564	Grab	0	0.5	13B-0564-G2	13B-0564-G2AS	9/24/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0565	Grab	0	0.5	13B-0565-G1	13B-0565-G1AS	9/27/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0566	Grab	0	0.5	13B-0566-G3	13B-0566-G3AS	9/27/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0567	Grab	0	0.5	13B-0567-G2	13B-0567-G2AS	10/4/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0568	Grab	0	0.5	13B-0568-G2	13B-0568-G2AS	9/27/2013	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
13B-0570	Grab	0	0.5	13B-0570-G3	13B-0570-G3AS	10/4/2013	X				X					X	X							
13B-0571	Core	0	0.5	13B-0571-C3	13B-0571-C3AS	10/4/2013		X	X		X	X				X	X	X					X	
13B-0571	Core	0	0.5	13B-0571-C4	13B-0571-C4AS	10/4/2013				X			X		X					X		X		X
13B-0571	Core	0.5	1.5	13B-0571-C3	13B-0571-C3BS	10/4/2013					X				X	X	X	X						X
13B-0571	Core	0.5	1.5	13B-0571-C4	13B-0571-C4BS	10/4/2013		X	X	X		X	X							X		X	X	
13B-0571	Core	1.5	2.5	13B-0571-C3	13B-0571-C3CS	10/4/2013		X	X		X	X			X	X	X	X				X	X	
13B-0571	Core	1.5	2.5	13B-0571-C4	13B-0571-C4CS	10/4/2013				X			X							X				X

Appendix A-1
Sediment Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0571	Core	11	12	13B-0571-C3	13B-0571-C3MS	10/4/2013		X	X		X	X			X	X	X	X					X	
13B-0571	Core	11.5	12.5	13B-0571-C4	13B-0571-C4MS	10/4/2013				X			X							X		X		X
13B-0571	Grab	0	0.5	13B-0571-G2	13B-0571-G2AS	10/3/2013	X							X							X			
13B-0572	Core	0	0.5	13B-0572-C1	13B-0572-C1AS	10/1/2013					X					X	X	X						
13B-0572	Core	0.5	1.5	13B-0572-C1	13B-0572-C1BS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	
13B-0572	Core	1.5	2.27	13B-0572-C1	13B-0572-C1CS	10/1/2013		X	X	X	X	X	X			X	X	X		X			X	
13B-0573	Core	0	0.5	13B-0573-C2	13B-0573-C2AS	10/1/2013		X	X		X	X			X	X	X	X					X	
13B-0573	Core	0	0.5	13B-0573-C4	13B-0573-C4AS	10/1/2013				X			X							X		X		X
13B-0573	Core	0.5	1.5	13B-0573-C2	13B-0573-C2BS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0573	Core	1.5	2.5	13B-0573-C2	13B-0573-C2CS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0573	Core	2.5	3.75	13B-0573-C2	13B-0573-C2DS	10/1/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0573	Grab	0	0.5	13B-0573-G3	13B-0573-G3AS	10/1/2013	X							X							X			
13B-0574	Core	0	0.5	13B-0574-C1	13B-0574-C1AS	10/2/2013					X													X
13B-0574	Core	0	0.5	13B-0574-C2	13B-0574-C2AS	10/2/2013									X	X	X	X						
13B-0574	Core	0	0.5	13B-0574-C3	13B-0574-C3AS	10/2/2013		X	X			X										X	X	
13B-0574	Core	0.5	1.5	13B-0574-C1	13B-0574-C1BS	10/2/2013				X			X							X		X		X
13B-0574	Core	0.5	1.5	13B-0574-C2	13B-0574-C2BS	10/2/2013		X	X		X	X			X	X	X	X					X	
13B-0574	Core	1.5	2.5	13B-0574-C1	13B-0574-C1CS	10/2/2013		X	X	X		X	X							X		X	X	X
13B-0574	Core	1.5	2.5	13B-0574-C2	13B-0574-C2CS	10/2/2013					X				X	X	X	X						
13B-0574	Core	6.4	7.4	13B-0574-C2	13B-0574-C2HS	10/2/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	
13B-0574	Grab	0	0.5	13B-0574-G2	13B-0574-G2AS	10/2/2013	X			X			X	X						X	X			
13B-0575	Core	0	0.5	13B-0575-C1	13B-0575-C1AS	10/17/2013				X			X		X					X		X		X
13B-0575	Core	0	0.5	13B-0575-C4	13B-0575-C4AS	10/17/2013		X	X		X	X				X	X	X					X	
13B-0575	Core	0.5	1.5	13B-0575-C1	13B-0575-C1BS	10/17/2013				X			X							X				X
13B-0575	Core	0.5	1.5	13B-0575-C4	13B-0575-C4BS	10/17/2013		X	X		X	X			X	X	X	X				X	X	
13B-0575	Core	1.5	2.5	13B-0575-C4	13B-0575-C4CS	10/17/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0575	Core	4.3	5.44	13B-0575-C4	13B-0575-C4FS	10/17/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0575	Grab	0	0.5	13B-0575-G1	13B-0575-G1AS	10/17/2013	X							X							X			
13B-0577	Grab	0	0.5	13B-0577-G1	13B-0577-G1AS	10/18/2013	X			X	X		X	X	X	X	X	X		X	X	X	X	X
13B-0578	Core	0	0.25	13B-0578-C8	13B-0578-C8AAS	10/25/2013													X					
13B-0578	Core	0	0.5	13B-0578-C5	13B-0578-C5AS	10/24/2013		X	X		X	X				X	X	X					X	
13B-0578	Core	0	0.5	13B-0578-C6	13B-0578-C6AS	10/24/2013				X			X		X					X		X		X
13B-0578	Core	0.25	0.5	13B-0578-C8	13B-0578-C8ABS	10/25/2013													X					
13B-0578	Core	0.5	0.75	13B-0578-C8	13B-0578-C8ACS	10/25/2013													X					
13B-0578	Core	0.5	1.5	13B-0578-C5	13B-0578-C5BS	10/24/2013					X					X	X	X						
13B-0578	Core	0.5	1.5	13B-0578-C6	13B-0578-C6BS	10/24/2013		X	X			X			X								X	
13B-0578	Core	0.5	1.5	13B-0578-C7	13B-0578-C7BS	10/24/2013				X			X							X		X		X
13B-0578	Core	0.75	1	13B-0578-C8	13B-0578-C8ADS	10/25/2013													X					
13B-0578	Core	1	1.25	13B-0578-C8	13B-0578-C8AES	10/25/2013													X					
13B-0578	Core	1.25	1.5	13B-0578-C8	13B-0578-C8AFS	10/25/2013													X					
13B-0578	Core	1.5	1.75	13B-0578-C8	13B-0578-C8AGS	10/25/2013													X					
13B-0578	Core	1.5	2.5	13B-0578-C5	13B-0578-C5CS	10/24/2013					X				X	X	X	X						

Appendix A-1
Sediment Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P (a)	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0578	Core	1.5	2.5	13B-0578-C6	13B-0578-C6CS	10/24/2013		X	X	X		X	X							X		X	X	X
13B-0578	Core	1.75	2	13B-0578-C8	13B-0578-C8AHS	10/25/2013													X					
13B-0578	Core	2	2.25	13B-0578-C8	13B-0578-C8AIS	10/25/2013													X					
13B-0578	Core	2.25	2.5	13B-0578-C8	13B-0578-C8AJS	10/25/2013													X					
13B-0578	Core	2.5	2.75	13B-0578-C8	13B-0578-C8AKS	10/25/2013													X					
13B-0578	Core	2.75	3	13B-0578-C8	13B-0578-C8ALS	10/25/2013													X					
13B-0578	Core	5.25	6.25	13B-0578-C5	13B-0578-C5GS	10/24/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0578	Core	7	7.25	13B-0578-C8	13B-0578-C8BCS	10/25/2013													X					
13B-0578	Core	7.25	7.5	13B-0578-C8	13B-0578-C8BDS	10/25/2013													X					
13B-0578	Grab	0	0.5	13B-0578-G2	13B-0578-G2AS	10/24/2013	X							X							X			

Notes:

Refer to Table 2-4 for the summary of analyses that were not completed due to volumetric or recovery issues or laboratory error.

(a) For five samples (13B-0533-G1AS, 13B-0539-G2AS, 13B-0544-G1AS, 13B-0550-G1AS, and 13B-0560-G1AS), the laboratory did not report TKN. For four samples (13B-0509-C1AS, 13B-0509-C1BS, 13B-0509-C1CS, and 13B-0509-C1ES), the laboratory analyzed for phosphorous (only) in error.

AVS/SEM = Acid Volatile Sulfide/Simultaneously Extracted Metals
ft = feet
Mercury = Low Level Mercury
Metals-TAL, Titanium = Target Analyte List Metals plus Titanium
Moisture = Percent Moisture
N-TKN-P = Ammonia, Total Kjehldahl Nitrogen, Phosphorous
PAHs-HR = Polycyclic Aromatic Hydrocarbons - High Resolution
PCDD/F = Polychlorinated Dibenzodioxin/Polychlorinated Dibenzofuran
Pesticide-HR = Organochlorine Pesticides - High Resolution
Radiochemistry = Radium-226, Lead-226 as Polonium-226, and Cesium-137
SpecGrav = Specific Gravity
Sulfide = Total Sulfide
SVOC = Semivolatile Organic Compound
TPH-Extractable = Total Petroleum Hydrocarbon Extractables

Appendix A2

Field Quality Control Samples

Appendix A-2
Field Quality Control Samples
LRC SSP2

Station	Type	Start Depth (ft)	End Depth (ft)	Location ID	Sample ID	Sample Date/Time	AVS/SEM	Butyltins	Cyanide	Grain Size	Mercury	Metals-TAL, Titanium	Moisture	N-TKN-P	PAHs-HR	PCB Congeners/Homologs	PCDD/F	Pesticide-HR	Radiochemistry	SpecGrav	Sulfide	SVOC	TOC	TPH-Extractable
13B-0502	Grab	0	0.5	13B-0502-G1	13B-0502-G1AT	9/30/2013	X																	
13B-0511	Grab	0	0.5	13B-0511-G1	13B-0511-G1AT	10/8/2013	X							X							X			
13B-0513	Grab	0	0.5	13B-0513-G1	13B-0513-G1AT	10/2/2013								X							X			
13B-0518	Grab	0	0.5	13B-0518-G1	13B-0518-G1AT	10/10/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0522	Grab	0	0.5	13B-0522-G1	13B-0522-G1AT	10/4/2013		X	X	X	X	X	X		X	X	X	X		X		X	X	X
13B-0526	Core	1.5	2.5	13B-0526-C1	13B-0526-C1CT	10/8/2013		X	X		X	X				X	X	X					X	
13B-0526	Core	1.5	2.5	13B-0526-C2	13B-0526-C2CT	10/8/2013				X			X		X					X		X		X
13B-0529	Grab	0	0.5	13B-0529-G1	13B-0529-G1AT	10/4/2013								X							X			
13B-0530	Grab	0	0.5	13B-0530-G2	13B-0530-G2AT	9/25/2013								X							X			
13B-0531	Core	0	0.5	13B-0531-C1	13B-0531-C1AT	10/14/2013		X	X			X			X								X	
13B-0531	Core	0	0.5	13B-0531-C2	13B-0531-C2AT	10/14/2013					X					X	X	X						
13B-0531	Core	0	0.5	13B-0531-C3	13B-0531-C3AT	10/14/2013				X			X							X		X		X
13B-0533	Core	0	0.5	13B-0533-C1	13B-0533-C1AT	9/26/2013		X	X			X										X	X	
13B-0533	Core	0	0.5	13B-0533-C2	13B-0533-C2AT	9/26/2013										X	X							
13B-0533	Core	0	0.5	13B-0533-C3	13B-0533-C3AT	9/26/2013					X				X			X						
13B-0533	Core	8.5	9.35	13B-0533-C3	13B-0533-C3JT	9/26/2013		X	X	X		X	X		X			X		X		X	X	X
13B-0533	Core	8.5	9.62	13B-0533-C2	13B-0533-C2JT	9/26/2013					X					X	X							
13B-0533	Grab	0	0.5	13B-0533-G1	13B-0533-G1AT	9/26/2013				X			X							X				X
13B-0534	Core	0	0.5	13B-0534-C2	13B-0534-C2AT	10/7/2013					X					X	X							
13B-0534	Core	0	0.5	13B-0534-C3	13B-0534-C3AT	10/7/2013		X	X			X						X					X	
13B-0534	Grab	0	0.5	13B-0534-G1	13B-0534-G1AT	10/7/2013				X			X		X					X		X		X
13B-0539	Core	0	0.5	13B-0539-C2	13B-0539-C2AT	10/16/2013		X	X		X	X						X					X	
13B-0539	Core	0	0.5	13B-0539-C3	13B-0539-C3AT	10/16/2013										X	X							
13B-0539	Grab	0	0.5	13B-0539-G2	13B-0539-G2AT	10/16/2013				X			X		X					X		X		X
13B-0548	Core	0.5	1.5	13B-0548-C1	13B-0548-C1BT	10/18/2013		X	X		X	X				X	X	X					X	
13B-0548	Core	0.5	1.5	13B-0548-C2	13B-0548-C2BT	10/18/2013				X			X		X					X		X		X
13B-0552	Core	1.5	2.2	13B-0552-C1	13B-0552-C1CT	10/17/2013		X	X			X			X							X	X	
13B-0552	Core	1.5	2.38	13B-0552-C3	13B-0552-C3CT	10/17/2013					X					X	X	X						
13B-0552	Core	1.5	2.5	13B-0552-C2	13B-0552-C2CT	10/17/2013				X			X							X				X
13B-0553	Grab	0	0.5	13B-0553-G2	13B-0553-G2AT	10/16/2013	X							X							X			
13B-0563	Core	0	0.5	13B-0563-C1	13B-0563-C1AT	9/24/2013		X	X		X	X			X			X				X	X	
13B-0563	Core	0	0.5	13B-0563-C2	13B-0563-C2AT	9/24/2013										X	X							
13B-0563	Grab	0	0.5	13B-0563-G1	13B-0563-G1AT	9/24/2013				X			X							X				X
13B-0573	Grab	0	0.5	13B-0573-G3	13B-0573-G3AT	10/1/2013	X																	
13B-0578	Core	1.5	2.5	13B-0578-C5	13B-0578-C5CT	10/24/2013					X				X	X	X	X						
13B-0578	Core	1.5	2.5	13B-0578-C6	13B-0578-C6CT	10/24/2013		X	X	X		X	X							X		X	X	X

Notes:
Refer to Table 2-4 for the summary of analyses that were not completed due to volumetric or recovery issues or laboratory error.
AVS/SEM = Acid Volatile Sulfide/Simultaneously Extracted Metals
ft = feet
Mercury = Low Level Mercury
Metals-TAL, Titanium = Target Analyte List Metals plus Titanium
Moisture = Percent Moisture
N-TKN-P = Ammonia, Total Kjehldahl Nitrogen, Phosphorous
PAHs-HR = Polycyclic Aromatic Hydrocarbons - High Resolution
PCDD/F = Polychlorinated Dibenzodioxin/Polychlorinated Dibenzofuran
Pesticide-HR = Organochlorine Pesticides - High Resolution
Radiochemistry = Radium-226, Lead-226 as Polonium-226, and Cesium-137
SpecGrav = Specific Gravity
Sulfide = Total Sulfide
SVOC = Semivolatile Organic Compound
TPH-Extractable = Total Petroleum Hydrocarbon Extractables

Appendix B

Tide Gauge Data and Water Level Record

B. Tide Gauge Data and Water Level Record

B.1 Introduction

In order to establish the sediment surface elevation at each sampling location, water levels of the LPR were continuously monitored at selected locations and recorded for use as reference points. Fixed water level (tidal) gauges were used that consisted of an electronic pressure transducer, having an accuracy of 0.01 foot, combined with an integrated data logger (HOBO® model U20-001-04).

B.2 Tide Gauge Locations

The gauges were installed on fixed structures (typically bridges) at 7 locations to continuously record water level data along the portion of the LPR within the LRC SSP2 study area. Water levels were recorded at 10-minute intervals. Information from the data loggers was downloaded approximately weekly. During the downloading sessions surface water salinity was measured at each station. Tide gauge station locations are shown on Figure B-1, and described, including deployment schedule, in Table B-1.

Table B-1 Tide Gauge Locations and Schedule

Name	River Mile	Location	Dates Deployed
TG-PATHMARK	6.70	1 – Pathmark Bulkhead	09/23/13 - 10/25/13
TG-RTE7	8.53	2 – Rutgers (Rte 7) Bridge	09/23/13 - 10/25/13
TG-DEJESSE	10.37	3 – Kingsland Avenue Bridge	09/23/13 - 10/25/13
TG-CONRAIL	11.42	4 – Conrail RR Bridge	09/23/13 - 10/25/13
TG-UNION	12.98	5 - Union Avenue Bridge	09/23/13 - 10/25/13
TG-GREGORY	13.89	6 – Gregory Avenue/Main Street Bridge	09/23/13 - 10/26/13
TG-MONROE	16.04	7 – Monroe Street Bridge	09/23/13 - 10/26/13

B.3 Data Processing

The raw tide gauge data were processed to calculate the elevation of the water surface at each tide station according to the following procedure. Reference and gauge elevations are presented in Table B-2.

Table B-2 Tide Gauge Elevations

Name	Benchmark Well Elevation (NGVD29 ft)	Probe Depth Below Well (ft)	Gauge Elevation (NGVD29 ft)
TG-PATHMARK	6.54	8.66	-2.12
TG-RTE7	5.74	8.27	-2.53
TG-DEJESSE	5.95	8.29	-2.34
TG-CONRAIL	6.24	9.12	-2.88
TG-UNION	6.13	8.57	-2.44
TG-GREGORY	5.02	8.65	-3.63
TG-MONROE	4.91	8.95	-4.04

Atmospheric pressure data were recorded during the tide gauge deployment period on a single electronic pressure transducer with an integrated data logger (HOBO® model U20-001-04) co-located with the Kingsland Avenue Bridge tide gauge. The recorded atmospheric data was combined with the logged gauge data in HOBOware® Pro datalogger software (version 2.5.0 Onset Computer Corp. ©2008) to convert gauge pressure into water depth above gauge. The recorded barometric pressure was subtracted from the absolute pressure recorded by the instrument in order to determine the gauge pressure.

The gauge pressure was converted to water depth using the density of the water. For each location, the water density was assumed to be the average of the salinity measurements collected during the weekly deployment and recovery events. The water depths were converted to water surface elevations using the probe depths measured relative to the well benchmark elevations surveyed in October 2013.

The water elevation at each coring location at the time of sampling was determined by interpolating between both (1) the closest water level recording times at (2) the closest upstream and/or downstream tide gauge locations at the time of sampling. The elevation of the river bottom was then calculated for each station by subtracting the measured depth of water for each core or grab from the calculated water surface elevation at the time of its sampling. The results of these steps are shown in Table B-3. This table includes: time, water depth, and river mile of each core or grab; the tide gauge river mile positions; the time-interpolated tide gauge water elevations for all operating gauges at the time of each core or grab; the gauges used for the river-mile interpolation; and the final calculated water surface and sediment surface elevations at the time and location of sampling.

Table B-3

Tide Gauge and Water Level Data and Elevations of Water Surface and Sediment

Low Resolution Coring Second Supplemental Sampling Program

Lower Passaic River Restoration Project

				Elevation of				Tide Gauge Locations and Water Elevations (ft NGVD29)								
Sample Location	Sampling Date/Time	Water Depth (ft)	Sampling River Mile	Water Surface	Sediment Surface	Bathymetry	Delta	1	2	3	4	5	6	7	Gauge for Interpolation	
				(ft NGVD29)			(ft)	6.7	8.53	10.37	11.42	12.9	13.92	16.04	lower	upper
13B-0501-C1	10/1/2013 10:53	17.8	7.23	0.22	-17.6	-17.0	-0.6	0.13	0.45	0.5	0.47	0.39	0.49	0.42	6.7	8.53
13B-0501-C2	10/1/2013 11:34	17.1	7.23	-0.23	-17.3	-17.0	-0.3	-0.3	-0.05	-0.03	-0.09	-0.19	-0.09	-0.15	6.7	8.53
13B-0501-G2	10/1/2013 13:09	16.1	7.23	-0.78	-16.9	-16.6	-0.3	-0.83	-0.67	-0.64	-0.71	-0.85	-0.77	-0.77	6.7	8.53
13B-0502-C1	9/30/2013 11:39	9.4	7.23	-0.22	-9.6	-9.1	-0.5	-0.27	-0.09	-0.11	-0.2	-0.29	-0.19	-0.28	6.7	8.53
13B-0502-C2	9/30/2013 12:19	7.1	7.23	-0.26	-7.4	-7.0	-0.4	-0.31	-0.15	-0.14	-0.26	-0.35	-0.28	-0.32	6.7	8.53
13B-0502-G1	9/30/2013 13:30	8.2	7.23	0.21	-8.0	-7.4	-0.5	0.19	0.26	0.2	0.06	-0.11	-0.04	-0.24	6.7	8.53
13B-0503-C1	9/30/2013 8:54	6	7.22	1.31	-4.7	-4.3	-0.4	1.23	1.5	1.56	1.5	1.4	1.5	1.43	6.7	8.53
13B-0503-C2	9/30/2013 9:32	5.1	7.22	0.75	-4.4	-4.3	-0.1	0.67	0.95	1	0.95	0.86	0.96	0.86	6.7	8.53
13B-0503-G1	9/30/2013 10:38	4.5	7.22	0.07	-4.4	-4.3	-0.1	0.02	0.2	0.19	0.11	0	0.09	0.01	6.7	8.53
13B-0504-C2	9/26/2013 8:55	8.3	7.31	-0.15	-8.5	-9.4	0.9	-0.18	-0.09	-0.16	-0.15	-0.06	-0.16	0.18	6.7	8.53
13B-0504-C4	9/26/2013 11:00	11.4	7.31	1.52	-9.9	-11.1	1.2	1.58	1.4	1.26	1.17	1.2	1.09	1.25	6.7	8.53
13B-0504-G1	9/26/2013 12:00	13.1	7.31	2.83	-10.3	-8.0	-2.3	2.85	2.78	2.69	2.65	2.72	2.63	2.82	6.7	8.53
13B-0505-C1	9/26/2013 13:35	20	7.31	3.82	-16.2	-16.3	0.1	3.76	3.95	3.91	3.96	4.09	4.01	4.26	6.7	8.53
13B-0505-C2	9/26/2013 14:22	20.2	7.31	3.86	-16.3	-16.1	-0.2	3.83	3.93	3.88	3.88	3.97	3.85	4.03	6.7	8.53
13B-0505-G2	9/26/2013 13:12	19.9	7.31	3.75	-16.2	-16.5	0.4	3.7	3.84	3.82	3.84	3.98	3.87	4.11	6.7	8.53
13B-0506-C2	10/2/2013 12:03	10.4	7.32	-0.35	-10.7	-10.4	-0.3	-0.45	-0.15	-0.11	-0.15	-0.24	-0.14	-0.19	6.7	8.53
13B-0506-C3	10/2/2013 12:58	9.5	7.32	-0.85	-10.3	-10.2	-0.2	-0.92	-0.7	-0.69	-0.76	-0.89	-0.8	-0.79	6.7	8.53
13B-0506-G1	10/2/2013 13:36	9.2	7.32	-1.14	-10.3	-10.2	-0.2	-1.21	-1	-0.99	-1.05	-1.15	-1.05	-0.92	6.7	8.53
13B-0507-C2	10/1/2013 8:53	6	7.31	2.28	-3.7	-3.7	0.0	2.16	2.51	2.6	2.58	2.54	2.65	2.58	6.7	8.53
13B-0507-C3	10/1/2013 9:27	5.3	7.31	1.64	-3.7	-3.5	-0.1	1.52	1.87	1.93	1.93	1.86	1.97	1.89	6.7	8.53
13B-0507-G1	10/1/2013 9:57	4.4	7.31	1.13	-3.3	-3.5	0.2	1.02	1.34	1.39	1.36	1.28	1.37	1.32	6.7	8.53
13B-0508-G3	10/3/2013 15:55	15.3	8.39	-1.02	-16.3	-16.1	-0.3	-0.87	-1.03	-1.16	-1.37	-1.58	-1.52	-1	6.7	8.53
13B-0509-C1	10/14/2013 11:54	8.2	8.55	-3.74	-11.9	-10.6	-1.3	-1.37	B	-1.4	-1.49	-1.39	-1.32	-0.96	10.37	11.42
13B-0509-C2	10/14/2013 13:35	8.2	8.55	-0.46	-8.7	-10.4	1.7	-0.17	B	-0.65	-0.82	-0.82	-0.79	-0.85	10.37	11.42
13B-0510-C1	9/25/2013 9:00	8.9	8.71	0.22	-8.7	-8.9	0.3	0.24	0.08	-0.1	-0.15	-0.09	-0.25	0.09	8.53	10.37
13B-0510-C3	9/25/2013 10:00	10.9	8.71	1.68	-9.2	-9.7	0.5	1.7	1.48	1.34	1.28	1.3	1.19	1.35	8.53	10.37
13B-0511-C1	10/8/2013 9:08	6.2	8.7	3.03	-3.2	-5.2	2.0	3.05	2.83	2.45	2.37	2.2	2.16	2.35	8.53	10.37
13B-0511-C3	10/8/2013 10:15	7.2	8.7	4.41	-2.8	A	A	4.39	4.59	4.34	4.36	4.31	4.28	4.55	8.53	10.37
13B-0511-G1	10/8/2013 10:50	7.1	8.7	4.79	-2.3	A	A	4.76	5.06	4.82	4.84	4.81	4.79	5.06	8.53	10.37
13B-0512-G1	9/25/2013 12:17	7.1	8.85	3.61	-3.5	A	A	3.58	3.74	3.72	3.76	3.87	3.79	4.01	8.53	10.37
13B-0513-G1	10/2/2013 10:13	4	8.89	1.51	-2.5	A	A	1.43	1.83	1.91	1.89	1.85	1.95	1.9	8.53	10.37
13B-0514-G1	9/25/2013 15:03	4.9	8.92	3.15	-1.8	A	A	3.11	3.28	3.28	3.31	3.4	3.33	3.57	8.53	10.37
13B-0515-C1	10/8/2013 12:52	16.2	9.07	4.08	-12.1	-12.0	-0.1	3.96	4.37	4.18	4.27	4.26	4.24	4.55	8.53	10.37
13B-0515-C2	10/8/2013 13:48	14.3	9.07	2.86	-11.4	-11.1	-0.3	2.71	3.22	3.02	3.12	3.11	3.11	3.43	8.53	10.37
13B-0515-G1	10/8/2013 12:16	15.2	9.07	4.68	-10.5	-10.8	0.3	4.57	4.93	4.7	4.75	4.74	4.73	5.02	8.53	10.37
13B-0516-C2	10/10/2013 9:30	14	9.22	1.04	-13.0	-13.0	0.1	1.1	0.93	0.5	0.41	0.26	0.21	0.42	8.53	10.37
13B-0516-C3	10/10/2013 11:00	17.1	9.22	3.62	-13.5	-13.4	-0.1	3.62	3.62	3.3	3.27	3.17	3.13	3.37	8.53	10.37
13B-0516-G2	10/9/2013 15:18	16.7	9.22	3.15	-13.6	-13.1	-0.4	2.96	3.46	3.26	3.35	3.36	3.37	3.72	8.53	10.37
13B-0517-G2	10/21/2013 12:34	19.9	9.26	3.63	-16.3	-15.7	-0.6	3.82	3.35	3.16	3.38	3.32	3.77	3.51	8.53	10.37
13B-0518-G1	10/10/2013 15:05	22.2	9.27	4.20	-18.0	-17.8	-0.2	4.06	4.41	4.18	4.24	4.23	4.22	4.52	8.53	10.37
13B-0519-C2	10/22/2013 9:20	18.3	9.29	3.04	-15.3	-15.2	-0.1	3.1	2.96	2.61	2.74	2.6	3.04	2.7	8.53	10.37
13B-0519-C5	10/22/2013 12:30	19.6	9.29	3.79	-15.8	-15.1	-0.7	3.74	3.87	3.65	3.85	3.78	4.24	3.97	8.53	10.37
13B-0519-G1	10/21/2013 14:40	16.1	9.29	0.19	-15.9	-15.0	-0.9	-0.01	0.48	0.31	0.57	0.56	1.04	0.83	8.53	10.37
13B-0520-G1	10/3/2013 10:17	6.2	9.37	2.68	-3.5	A	A	2.51	2.89	3	2.98	2.92	3.02	2.96	8.53	10.37
13B-0521-C2	10/9/2013 9:15	19.3	9.37	2.51	-16.8	-16.5	-0.3	2.56	2.46	2.11	2.06	1.93	1.89	2.11	8.53	10.37
13B-0521-C3	10/9/2013 9:51	19.5	9.37	3.40	-16.1	-15.8	-0.3	3.39	3.41	3.12	3.09	3	2.98	3.21	8.53	10.37
13B-0521-G1	10/9/2013 10:30	20.3	9.37	4.22	-16.1	-15.5	-0.5	4.14	4.32	4.03	4.02	3.94	3.91	4.13	8.53	10.37

Table B-3

Tide Gauge and Water Level Data and Elevations of Water Surface and Sediment

Low Resolution Coring Second Supplemental Sampling Program

Lower Passaic River Restoration Project

				Elevation of				Tide Gauge Locations and Water Elevations (ft NGVD29)								
Sample Location	Sampling Date/Time	Water Depth (ft)	Sampling River Mile	Water Surface	Sediment Surface	Bathymetry	Delta	1	2	3	4	5	6	7	Gauge for Interpolation	
				(ft NGVD29)			(ft)	6.7	8.53	10.37	11.42	12.9	13.92	16.04	lower	upper
13B-0522-G1	10/4/2013 8:54	7.2	9.5	4.51	-2.7	A	A	4.36	4.64	4.75	4.72	4.64	4.75	4.89	8.53	10.37
13B-0523-G2	10/23/2013 16:14	4.5	9.61	0.71	-3.8	A	A	0.53	0.83	0.56	0.79	0.75	1.21	0.96	8.53	10.37
13B-0524-C1	10/9/2013 11:22	9.4	9.73	4.96	-4.4	-4.3	-0.1	4.8	5.04	4.79	4.8	4.76	4.72	4.97	8.53	10.37
13B-0524-G1	10/9/2013 12:57	9.2	9.73	5.47	-3.7	-3.7	-0.1	5.3	5.56	5.3	5.31	5.27	5.25	5.52	8.53	10.37
13B-0525-C1	10/9/2013 13:43	5.7	9.85	5.27	-0.4	-2.3	1.9	5	5.37	5.17	5.22	5.2	5.18	5.48	8.53	10.37
13B-0525-C2	10/9/2013 14:23	5.7	9.85	4.59	-1.1	-2.0	0.9	4.27	4.71	4.55	4.62	4.64	4.65	4.98	8.53	10.37
13B-0525-G1	10/9/2013 14:58	5.7	9.85	3.79	-1.9	-1.9	0.0	3.45	3.93	3.72	3.84	3.86	3.87	4.22	8.53	10.37
13B-0526-C1	10/8/2013 7:58	10.5	9.98	0.35	-10.2	-11.4	1.3	0.72	0.25	-0.19	-0.31	-0.48	-0.53	-0.05	8.53	10.37
13B-0526-C2	10/8/2013 8:27	12.1	9.98	1.42	-10.7	-11.1	0.5	1.73	1.34	0.9	0.77	0.61	0.55	0.77	8.53	10.37
13B-0526-G1	10/8/2013 9:48	15.3	9.98	3.99	-11.3	-11.4	0.1	3.95	4	3.72	3.71	3.62	3.6	3.83	8.53	10.37
13B-0527-C1	10/8/2013 11:38	7.5	9.99	5.15	-2.4	-3.3	0.9	4.9	5.21	4.97	5	4.97	4.93	5.21	8.53	10.37
13B-0527-C2	10/8/2013 12:06	7.3	9.99	4.95	-2.4	-3.1	0.7	4.68	5.02	4.81	4.86	4.85	4.82	5.08	8.53	10.37
13B-0527-C3	10/8/2013 12:33	7.3	9.99	4.62	-2.7	-3.1	0.4	4.33	4.7	4.49	4.55	4.53	4.52	4.83	8.53	10.37
13B-0527-C4	10/8/2013 12:52	7	9.99	4.29	-2.7	-3.3	0.6	3.96	4.37	4.18	4.27	4.26	4.24	4.55	8.53	10.37
13B-0527-G1	10/8/2013 13:14	8.3	9.99	3.87	-4.4	-4.2	-0.3	3.53	3.96	3.74	3.81	3.82	3.81	4.18	8.53	10.37
13B-0528-C3	10/9/2013 10:35	12.1	10.04	4.37	-7.7	-7.7	0.0	4.22	4.4	4.12	4.11	4.05	4.01	4.24	8.53	10.37
13B-0528-C4	10/9/2013 12:12	13.9	10.04	5.41	-8.5	-8.7	0.2	5.2	5.45	5.17	5.16	5.1	5.07	5.3	8.53	10.37
13B-0528-G2	10/9/2013 11:56	13.3	10.04	5.29	-8.0	-8.2	0.2	5.09	5.33	5.07	5.08	5.02	4.98	5.24	8.53	10.37
13B-0529-C2	10/4/2013 10:50	14.8	10.06	2.97	-11.8	-11.6	-0.3	2.49	3.07	2.84	2.91	2.89	2.9	3.19	8.53	10.37
13B-0529-C3	10/4/2013 11:44	13.6	10.06	1.86	-11.7	-11.5	-0.3	1.44	1.95	1.71	1.8	1.81	1.82	2.14	8.53	10.37
13B-0529-G1	10/4/2013 12:59	12.5	10.06	0.32	-12.2	-11.7	-0.5	-0.13	0.41	0.17	0.3	0.29	0.29	0.66	8.53	10.37
13B-0530-C1	9/25/2013 13:28	15.5	10.06	3.58	-11.9	-11.3	-0.6	3.51	3.6	3.54	3.54	3.62	3.52	3.74	8.53	10.37
13B-0530-C3	9/25/2013 16:12	15.4	10.06	2.20	-13.2	-11.5	-1.7	1.94	2.25	2.28	2.38	2.31	2.47	2.76	8.53	10.37
13B-0530-C4	9/25/2013 16:12	15.5	10.06	2.20	-13.3	-11.5	-1.8	1.94	2.25	2.28	2.38	2.31	2.47	2.76	8.53	10.37
13B-0530-G2	9/25/2013 15:32	15.4	10.06	2.93	-12.5	-11.7	-0.7	2.73	2.97	3.02	3.08	3.22	3.15	3.41	8.53	10.37
13B-0531-C1	10/14/2013 8:48	14	10.08	0.08	-13.9	-12.1	-1.8	1.02	B	1.23	1.2	1.34	1.42	1.35	6.7	10.37
13B-0531-C2	10/14/2013 9:21	13.3	10.08	0.03	-13.3	-12.1	-1.1	0.38	B	0.63	0.6	0.73	0.8	0.73	6.7	10.37
13B-0531-C3	10/14/2013 10:08	12.6	10.08	-0.03	-12.6	-12.1	-0.5	-0.33	B	-0.18	-0.22	-0.11	-0.03	-0.08	6.7	10.37
13B-0531-G1	10/14/2013 11:09	11.7	10.08	-0.08	-11.8	-12.2	0.4	-1.06	B	-0.97	-1.02	-0.92	-0.86	-0.78	6.7	10.37
13B-0532-C1	10/8/2013 14:33	15	10.08	2.05	-12.9	-12.0	-0.9	1.59	2.14	1.97	2.06	2.08	2.09	2.46	8.53	10.37
13B-0532-C2	10/8/2013 15:12	13.9	10.08	1.23	-12.7	-11.8	-0.9	0.76	1.32	1.1	1.2	1.2	1.2	1.6	8.53	10.37
13B-0532-G1	10/8/2013 15:43	13.2	10.08	0.63	-12.6	-11.7	-0.9	0.18	0.71	0.5	0.59	0.57	0.57	1.02	8.53	10.37
13B-0533-C1	9/26/2013 8:36	7.2	10.08	-0.11	-7.3	-7.6	0.3	-0.19	-0.09	-0.13	-0.09	0.01	-0.09	0.25	8.53	10.37
13B-0533-C2	9/26/2013 9:27	7	10.08	-0.07	-7.1	-7.4	0.3	-0.06	-0.07	-0.16	-0.19	-0.13	-0.25	0.08	8.53	10.37
13B-0533-C3	9/26/2013 10:11	7.5	10.08	0.42	-7.1	-7.6	0.5	0.51	0.4	0.22	0.16	0.18	0.05	0.24	8.53	10.37
13B-0533-G1	9/26/2013 11:00	8.5	10.08	1.43	-7.1	-7.6	0.5	1.58	1.4	1.26	1.17	1.2	1.09	1.25	8.53	10.37
13B-0534-C2	10/7/2013 8:50	4.8	10.07	4.18	-0.6	-1.3	0.7	4.15	4.18	3.87	3.84	3.72	3.7	3.85	8.53	10.37
13B-0534-C3	10/7/2013 9:31	5.5	10.07	5.04	-0.5	-1.3	0.8	4.88	5.07	4.79	4.8	4.72	4.72	4.94	8.53	10.37
13B-0534-G1	10/7/2013 10:08	6.3	10.07	5.56	-0.7	-1.5	0.8	5.35	5.6	5.33	5.36	5.32	5.28	5.55	8.53	10.37
13B-0535-C2	10/10/2013 13:52	18.2	10.15	5.27	-12.9	-12.9	0.0	5	5.31	5.08	5.12	5.09	5.07	5.36	8.53	10.37
13B-0535-C3	10/10/2013 14:20	18.2	10.15	5.04	-13.2	-13.0	-0.1	4.74	5.08	4.84	4.87	4.81	4.8	5.06	8.53	10.37
13B-0535-G1	10/10/2013 15:09	17.4	10.15	4.31	-13.1	-13.0	-0.1	3.98	4.35	4.11	4.17	4.16	4.16	4.46	8.53	10.37
13B-0536-C1	10/10/2013 10:08	8	10.22	2.13	-5.9	-7.2	1.3	2.31	2.11	1.73	1.63	1.47	1.4	1.55	8.53	10.37
13B-0536-C3	10/10/2013 11:07	8.8	10.22	3.80	-5.0	-6.2	1.2	3.78	3.8	3.48	3.47	3.37	3.34	3.56	8.53	10.37
13B-0536-G1	10/10/2013 11:46	9.3	10.22	4.67	-4.6	-5.6	1.0	4.53	4.68	4.41	4.4	4.32	4.29	4.51	8.53	10.37
13B-0537-C2	10/16/2013 13:40	14.5	10.3	-0.02	-14.5	-15.7	1.1	-1.28	B	-1.23	-1.28	-1.19	-1.15	-0.91	6.7	10.37
13B-0537-C3	10/16/2013 14:27	14.2	10.3	-0.03	-14.2	-15.6	1.4	-1.35	B	-1.51	-1.6	-1.56	-1.51	-0.97	6.7	10.37

Table B-3

Tide Gauge and Water Level Data and Elevations of Water Surface and Sediment

Low Resolution Coring Second Supplemental Sampling Program

Lower Passaic River Restoration Project

				Elevation of				Tide Gauge Locations and Water Elevations (ft NGVD29)								
Sample Location	Sampling Date/Time	Water Depth (ft)	Sampling River Mile	Water Surface	Sediment Surface	Bathymetry	Delta	1	2	3	4	5	6	7	Gauge for Interpolation	
				(ft NGVD29)			(ft)	6.7	8.53	10.37	11.42	12.9	13.92	16.04	lower	upper
13B-0537-G2	10/16/2013 15:08	14.3	10.3	-0.02	-14.3	-15.6	1.2	-0.86	B	-1.23	-1.39	-1.41	-1.4	-0.96	6.7	10.37
13B-0538-C2	10/15/2013 13:04	14.4	10.3	-0.02	-14.4	-12.6	-1.8	-1.31	B	-1.45	-1.56	-1.51	-1.46	-0.98	6.7	10.37
13B-0538-C3	10/15/2013 13:55	5.7	10.3	-0.02	-5.7	-7.9	2.2	-0.82	B	-1.16	-1.29	-1.26	-1.22	-0.99	6.7	10.37
13B-0538-G1	10/15/2013 14:56	6	10.3	0.01	-6.0	-6.5	0.5	0.77	B	0.19	0.02	0.01	0.04	-0.13	6.7	10.37
13B-0539-C2	10/16/2013 10:08	5.6	10.45	1.84	-3.8	A	A	1.99	B	2.25	2.25	2.37	2.43	2.36	10.37	11.42
13B-0539-C3	10/16/2013 10:40	4.7	10.45	1.15	-3.6	A	A	1.24	B	1.55	1.56	1.7	1.77	1.71	10.37	11.42
13B-0539-G2	10/16/2013 11:05	4.5	10.45	0.62	-3.9	A	A	0.67	B	1.02	1.02	1.15	1.22	1.18	10.37	11.42
13B-0540-C3	10/15/2013 11:05	5.8	10.46	-0.45	-6.2	-6.8	0.5	-0.49	B	-0.3	-0.34	-0.24	-0.17	-0.22	10.37	11.42
13B-0540-C4	10/15/2013 13:05	4.9	10.46	-1.20	-6.1	-7.2	1.1	-1.31	B	-1.45	-1.56	-1.51	-1.46	-0.98	10.37	11.42
13B-0540-G2	10/15/2013 9:26	7.3	10.46	1.22	-6.1	-6.5	0.4	1.33	B	1.61	1.61	1.76	1.83	1.77	10.37	11.42
13B-0541-C1	10/11/2013 10:40	11	10.83	0.87	-10.1	-10.4	0.3	1.54	B	1.03	0.85	0.87	0.89	0.99	10.37	11.42
13B-0541-C2	10/11/2013 11:20	12.9	10.83	1.43	-11.5	-9.8	-1.6	2.55	B	2.18	2.03	2.06	2.1	1.9	10.37	11.42
13B-0541-G1	10/11/2013 11:50	12.2	10.83	1.78	-10.4	-9.5	-1.0	3.16	B	2.93	2.83	2.89	2.95	2.81	10.37	11.42
13B-0542-C2	10/11/2013 14:00	6.6	11.01	1.89	-4.7	-3.0	-1.8	4.83	B	4.85	4.77	4.89	4.94	4.8	10.37	11.42
13B-0542-C3	10/11/2013 14:55	6.7	11.01	1.86	-4.8	-2.4	-2.4	4.77	B	4.85	4.81	4.93	4.99	4.89	10.37	11.42
13B-0542-G1	10/11/2013 13:02	6.2	11.01	1.69	-4.5	-2.5	-2.0	4.32	B	4.31	4.22	4.3	4.36	4.21	10.37	11.42
13B-0543-G1	10/11/2013 14:55	5.4	11.19	1.04	-4.4	-0.4	-4.0	4.77	B	4.85	4.81	4.93	4.99	4.89	10.37	11.42
13B-0544-C1	10/16/2013 14:00	10.4	11.23	-0.24	-10.6	-11.2	0.6	-1.34	B	-1.4	-1.47	-1.38	-1.33	-0.96	10.37	11.42
13B-0544-C2	10/16/2013 14:42	10.4	11.23	-0.24	-10.6	-11.0	0.4	-1.32	B	-1.48	-1.61	-1.59	-1.56	-0.97	10.37	11.42
13B-0544-G1	10/16/2013 13:25	11.4	11.23	-0.21	-11.6	-11.7	0.1	-1.17	B	-1.09	-1.14	-1.05	-1	-0.87	10.37	11.42
13B-0546-G2	9/24/2013 11:08	17.3	11.27	3.58	-13.7	-13.6	-0.1	3.51	3.59	3.59	3.6	3.71	3.6	3.83	10.37	11.42
13B-0547-C2	9/23/2013 18:25	10.3	11.31	-1.23	-11.5	-11.5	0.0	-1.35	-1.22	-1.27	-1.23	-1.18	--	0.06	10.37	11.42
13B-0547-C3	9/24/2013 8:35	10.9	11.31	0.11	-10.8	-11.7	0.9	0.36	0.08	-0.11	-0.2	-0.15	-0.3	0.14	10.37	11.42
13B-0547-C5	10/25/2013 14:40	12.9	11.31	2.20	-10.7	-10.8	0.1	2.04	2.22	1.92	2.1	2.02	2.46	2.13	10.37	11.42
13B-0547-G1	9/24/2013 9:50	10.9	11.31	2.14	-8.8	-9.3	0.5	2.31	2.12	2.01	1.95	2.01	1.88	2.07	10.37	11.42
13B-0548-C1	10/18/2013 9:05	4.7	11.46	3.93	-0.8	A	A	4.04	B	4.09	4.06	4.16	4.21	4.14	11.42	12.9
13B-0548-C2	10/18/2013 9:55	4.3	11.46	3.60	-0.7	A	A	3.7	B	3.76	3.7	3.59	4.03	3.71	11.42	12.9
13B-0548-G1	10/18/2013 10:50	4.1	11.46	2.75	-1.3	A	A	2.75	2.92	2.7	2.93	2.88	3.36	3.08	11.42	12.9
13B-0549-C2	10/17/2013 9:25	6.4	11.67	3.42	-3.0	A	A	4.11	B	4.27	4.3	4.44	4.52	4.45	11.42	12.9
13B-0549-C3	10/17/2013 10:12	5.5	11.67	2.53	-3.0	A	A	3.05	B	3.27	3.26	3.4	3.47	3.39	11.42	12.9
13B-0549-G1	10/17/2013 10:58	4.8	11.67	1.60	-3.2	A	A	1.93	B	2.22	2.22	2.35	2.43	2.36	11.42	12.9
13B-0550-C1	9/26/2013 12:37	5.2	11.71	3.45	-1.8	A	A	3.44	3.47	3.42	3.41	3.5	3.4	3.61	11.42	12.9
13B-0550-C3	9/26/2013 13:59	5.2	11.71	3.86	-1.3	A	A	3.84	3.96	3.93	3.93	4.04	3.96	4.19	11.42	12.9
13B-0550-G1	9/26/2013 14:46	5.2	11.71	3.75	-1.5	A	A	3.73	3.83	3.76	3.78	3.85	3.77	3.96	11.42	12.9
13B-0551-C1	9/24/2013 14:20	6.8	11.77	3.21	-3.6	-4.8	1.2	3.16	3.38	3.4	3.47	3.63	3.54	3.81	11.42	12.9
13B-0551-C2	9/24/2013 15:02	5	11.77	2.31	-2.7	A	A	2.23	2.56	2.61	2.73	2.65	2.82	3.13	11.42	12.9
13B-0551-G2	9/24/2013 16:10	4.5	11.77	0.77	-3.7	A	A	0.68	1.04	1.05	1.18	0.98	1.25	1.63	11.42	12.9
13B-0552-C1	10/17/2013 13:30	13.1	12.15	-0.47	-13.6	-12.6	-1.0	-0.93	B	-0.7	-0.72	-0.63	-0.56	-0.53	11.42	12.9
13B-0552-C2	10/17/2013 14:08	12.4	12.15	-0.76	-13.2	-12.5	-0.7	-1.5	B	-1.27	-1.28	-1.17	-1.11	-0.88	11.42	12.9
13B-0552-C3	10/17/2013 15:00	11.3	12.15	-0.96	-12.3	-12.2	0.0	-1.89	B	-1.88	-1.93	-1.87	-1.8	-0.96	11.42	12.9
13B-0552-G2	10/17/2013 12:04	15.1	12.15	0.25	-14.9	-12.9	-2.0	0.49	B	0.8	0.8	0.93	0.99	0.95	11.42	12.9
13B-0553-C1	10/16/2013 8:41	6.5	12.32	1.49	-5.0	A	A	3.79	B	4	3.97	4.11	4.19	4.1	11.42	12.9
13B-0553-C2	10/16/2013 9:17	5.7	12.32	1.21	-4.5	A	A	3.09	B	3.31	3.31	3.42	3.48	3.4	11.42	12.9
13B-0553-G2	10/16/2013 11:13	4.6	12.32	0.20	-4.4	A	A	0.5	B	0.85	0.85	0.99	1.06	1.02	11.42	12.9
13B-0554-C1	10/14/2013 9:45	3.8	12.33	-0.01	-3.8	-5.3	1.5	-0.03	B	0.18	0.16	0.29	0.38	0.31	11.42	12.9
13B-0554-C4	10/14/2013 12:55	5.8	12.33	-0.42	-6.2	-8.3	2.0	-1.09	B	-1.35	-1.5	-1.53	-1.51	-0.97	11.42	12.9
13B-0554-G2	10/14/2013 12:40	5.1	12.33	-0.50	-5.6	-7.8	2.2	-1.31	B	-1.5	-1.63	-1.6	-1.55	-0.97	11.42	12.9

Table B-3

Tide Gauge and Water Level Data and Elevations of Water Surface and Sediment

Low Resolution Coring Second Supplemental Sampling Program

Lower Passaic River Restoration Project

				Elevation of				Tide Gauge Locations and Water Elevations (ft NGVD29)								
Sample Location	Sampling Date/Time	Water Depth (ft)	Sampling River Mile	Water Surface	Sediment Surface	Bathymetry	Delta	1	2	3	4	5	6	7	Gauge for Interpolation	
				(ft NGVD29)			(ft)	6.7	8.53	10.37	11.42	12.9	13.92	16.04	lower	upper
13B-0555-C1	10/3/2013 14:34	11.9	12.45	-1.63	-13.5	-12.7	-0.8	-1.78	-1.57	-1.55	-1.63	-1.72	-1.64	-1.01	11.42	12.9
13B-0555-C2	10/3/2013 15:08	10.4	12.45	-1.64	-12.0	-11.7	-0.3	-1.69	-1.62	-1.67	-1.79	-1.93	-1.86	-1	11.42	12.9
13B-0555-G1	10/3/2013 15:40	10.7	12.45	-1.26	-12.0	-11.3	-0.6	-1.22	-1.28	-1.41	-1.61	-1.8	-1.76	-1	11.42	12.9
13B-0556-C1	10/7/2013 8:42	7.8	12.69	3.96	-3.8	-5.8	2.0	3.99	3.96	3.63	3.59	3.47	3.44	3.63	11.42	12.9
13B-0556-C2	10/7/2013 9:12	8.5	12.69	4.69	-3.8	-5.9	2.1	4.59	4.71	4.42	4.4	4.31	4.29	4.5	11.42	12.9
13B-0556-C3	10/7/2013 9:45	8.9	12.69	5.27	-3.6	A	A	5.08	5.3	5.03	5.03	4.97	4.95	5.2	11.42	12.9
13B-0556-G1	10/7/2013 10:05	9.3	12.69	5.53	-3.8	A	A	5.32	5.57	5.3	5.32	5.29	5.24	5.51	11.42	12.9
13B-0557-C1	10/2/2013 13:58	11.1	12.85	-1.10	-12.2	-12.7	0.5	-1.27	-1.09	-1.07	-1.17	-1.28	-1.19	-0.97	11.42	12.9
13B-0557-C2	10/2/2013 14:44	9.5	12.85	-1.07	-10.6	-12.1	1.5	-1.12	-1.07	-1.12	-1.23	-1.39	-1.34	-1.01	11.42	12.9
13B-0557-G1	10/2/2013 13:42	11.3	12.85	-1.04	-12.3	-12.7	0.4	-1.23	-1.03	-1.02	-1.09	-1.19	-1.08	-0.93	11.42	12.9
13B-0558-C2	10/3/2013 12:04	12.7	12.94	0.03	-12.7	-12.0	-0.7	0.01	0.49	0.61	0.6	0.55	0.65	0.64	12.9	13.92
13B-0558-C3	10/3/2013 12:50	12	12.94	-0.81	-12.8	-11.9	-0.9	-0.83	-0.4	-0.33	-0.34	-0.39	-0.3	-0.3	12.9	13.92
13B-0558-G1	10/3/2013 10:42	14.6	12.94	1.94	-12.7	-11.8	-0.8	1.92	2.34	2.45	2.44	2.4	2.5	2.46	12.9	13.92
13B-0559-C2	9/30/2013 12:00	11.8	13.15	-0.33	-12.1	-11.7	-0.5	-0.37	-0.19	-0.13	-0.19	-0.31	-0.22	-0.32	12.9	13.92
13B-0559-C3	9/30/2013 13:08	11.8	13.15	-0.01	-11.8	-11.5	-0.3	-0.03	0.04	-0.04	-0.16	-0.3	-0.22	-0.36	12.9	13.92
13B-0559-G1	9/30/2013 11:00	12	13.15	-0.06	-12.1	-11.8	-0.3	-0.11	0.09	0.07	-0.03	-0.19	-0.13	-0.22	12.9	13.92
13B-0560-C1	9/27/2013 12:35	14.2	13.47	2.72	-11.5	-11.3	-0.2	2.68	2.76	2.77	2.68	2.53	2.63	2.48	12.9	13.92
13B-0560-C3	9/27/2013 14:00	15.3	13.47	3.46	-11.8	-11.3	-0.5	3.31	3.58	3.66	3.62	3.55	3.65	3.55	12.9	13.92
13B-0560-G1	9/27/2013 11:58	13.3	13.47	1.97	-11.3	-11.3	0.0	1.99	1.96	1.91	1.78	1.59	1.66	1.45	12.9	13.92
13B-0561-C1	9/30/2013 8:40	5.7	13.73	1.66	-4.0	A	A	1.42	1.71	1.75	1.71	1.63	1.73	1.65	12.9	13.92
13B-0561-C2	9/30/2013 9:20	4.8	13.73	1.06	-3.7	A	A	0.83	1.11	1.18	1.13	1.02	1.12	1.04	12.9	13.92
13B-0561-G3	9/30/2013 9:53	7.2	13.73	0.61	-6.6	-7.0	0.4	0.38	0.66	0.7	0.66	0.57	0.67	0.61	12.9	13.92
13B-0562-G1	9/27/2013 10:50	11.3	13.79	0.38	-10.9	-10.9	0.0	0.41	0.37	0.28	0.14	-0.05	0.01	0.16	12.9	13.92
13B-0562-G2	9/27/2013 11:20	11.3	13.79	1.00	-10.3	-10.6	0.3	1.06	0.99	0.92	0.78	0.61	0.68	0.69	12.9	13.92
13B-0563-C1	9/24/2013 8:15	3.6	14.44	-0.20	-3.8	A	A	-0.15	-0.36	-0.55	-0.63	-0.59	-0.76	-0.01	13.92	16.04
13B-0563-C2	9/24/2013 9:37	6	14.44	1.96	-4.0	A	A	2.02	1.78	1.65	1.58	1.63	1.49	1.65	13.92	16.04
13B-0563-G1	9/24/2013 10:53	8.1	14.44	3.38	-4.7	A	A	3.37	3.41	3.38	3.39	3.49	3.37	3.6	13.92	16.04
13B-0564-G2	9/24/2013 14:57	8.7	14.56	2.45	-6.3	A	A	2.35	2.67	2.72	2.84	2.83	2.92	3.23	13.92	16.04
13B-0565-G1	9/27/2013 8:24	7	8.26	-0.09	-7.1	-6.4	-0.7	-0.16	-0.08	-0.15	-0.14	-0.07	-0.17	0.12	6.7	8.53
13B-0566-G3	9/27/2013 12:30	15.4	8.29	2.66	-12.7	-14.3	1.6	2.6	2.67	2.65	2.56	2.41	2.51	2.37	6.7	8.53
13B-0567-G2	10/4/2013 8:14	9.1	9.33	4.55	-4.5	-5.5	0.9	4.43	4.71	4.8	4.72	4.68	4.75	4.67	8.53	10.37
13B-0568-G2	9/27/2013 13:35	16.2	9.85	3.46	-12.7	-13.6	0.9	3.28	3.53	3.62	3.57	3.48	3.58	3.46	8.53	10.37
13B-0570-G3	10/4/2013 11:06	17.1	12.15	2.50	-14.6	A	A	2.27	2.74	2.51	2.6	2.6	2.6	2.9	11.42	12.9
13B-0571-C3	10/4/2013 8:50	9.2	12.81	4.64	-4.6	-6.1	1.5	4.38	4.66	4.77	4.73	4.67	4.79	4.85	11.42	12.9
13B-0571-C4	10/4/2013 10:00	8.5	12.81	3.78	-4.7	-5.7	1.0	3.49	3.8	3.86	3.71	3.79	3.79	4.08	11.42	12.9
13B-0571-G2	10/3/2013 9:38	7.2	12.81	3.55	-3.6	-6.4	2.8	3.27	3.57	3.66	3.61	3.56	3.65	3.58	11.42	12.9
13B-0572-C1	10/1/2013 8:35	9.8	12.99	2.52	-7.3	-8.4	1.1	2.49	2.83	2.95	2.92	2.87	2.95	2.88	12.9	13.92
13B-0573-C1	10/1/2013 12:12	15.5	13.26	-0.49	-16.0	-15.8	-0.2	-0.57	-0.35	-0.34	-0.43	-0.55	-0.47	-0.52	12.9	13.92
13B-0573-C2	10/1/2013 13:08	15.4	13.26	-0.77	-16.2	-15.6	-0.6	-0.83	-0.66	-0.63	-0.71	-0.84	-0.76	-0.77	12.9	13.92
13B-0573-C4	10/1/2013 13:45	15.2	13.26	-0.66	-15.9	-15.3	-0.6	-0.7	-0.6	-0.65	-0.77	-0.92	-0.85	-0.84	12.9	13.92
13B-0573-G3	10/1/2013 11:38	16.6	13.26	-0.25	-16.8	-15.9	-0.9	-0.33	-0.1	-0.07	-0.13	-0.24	-0.14	-0.2	12.9	13.92
13B-0574-C1	10/2/2013 8:25	6.8	13.48	3.59	-3.2	A	A	3.44	3.71	3.82	3.75	3.68	3.76	3.68	12.9	13.92
13B-0574-C2	10/2/2013 9:05	6.5	13.48	3.04	-3.5	A	A	2.86	3.17	3.29	3.23	3.14	3.26	3.19	12.9	13.92
13B-0574-C3	10/2/2013 10:00	6.1	13.48	1.93	-4.2	-5.2	1.1	1.71	2.1	2.2	2.18	2.13	2.23	2.18	12.9	13.92
13B-0574-G2	10/2/2013 11:06	5.1	13.48	0.62	-4.5	-5.4	0.9	0.4	0.78	0.84	0.82	0.76	0.85	0.81	12.9	13.92
13B-0575-C1	10/17/2013 8:31	5.1	11.21	1.01	-4.1	A	A	5.04	B	5.2	5.18	5.33	5.4	5.31	10.37	11.42
13B-0575-C4	10/17/2013 10:47	3.4	11.21	0.44	-3.0	-0.8	-2.2	2.18	B	2.46	2.47	2.6	2.67	2.61	10.37	11.42

Table B-3

Tide Gauge and Water Level Data and Elevations of Water Surface and Sediment

Low Resolution Coring Second Supplemental Sampling Program

Lower Passaic River Restoration Project

				Elevation of				Tide Gauge Locations and Water Elevations (ft NGVD29)								
Sample Location	Sampling Date/Time	Water Depth (ft)	Sampling River Mile	Water Surface	Sediment Surface	Bathymetry	Delta	1	2	3	4	5	6	7	Gauge for Interpolation	
				(ft NGVD29)			(ft)	6.7	8.53	10.37	11.42	12.9	13.92	16.04	lower	upper
13B-0575-G1	10/17/2013 11:35	2.2	11.21	0.22	-2.0	0.2	-2.2	1.09	B	1.41	1.41	1.53	1.62	1.55	10.37	11.42
13B-0576-G3	10/15/2013 9:40	4	11.21	0.20	-3.8	A	A	1.02	B	1.32	1.31	1.45	1.53	1.46	10.37	11.42
13B-0577-G1	10/18/2013 9:34	2.8	11.21	0.79	-2.0	A	A	3.93	B	3.96	3.9	3.89	4.18	3.84	10.37	11.42
13B-0578-C1	10/24/2013 8:35	10.1	11.36	-0.35	-10.5	-10.8	0.3	-0.19	-0.36	-0.79	-0.68	-0.85	-0.43	-0.71	10.37	11.42
13B-0578-C2	10/24/2013 9:20	10.6	11.36	0.68	-9.9	-10.2	0.2	0.86	0.67	0.26	0.37	0.2	0.62	0.25	10.37	11.42
13B-0578-C5	10/24/2013 13:45	15	11.36	3.04	-12.0	-11.9	0.0	2.88	3.05	2.8	2.98	2.88	3.32	2.99	10.37	11.42
13B-0578-C6	10/24/2013 14:20	15.9	11.36	2.77	-13.1	-13.4	0.2	2.57	2.78	2.51	2.68	2.59	3.04	2.75	10.37	11.42
13B-0578-C7	10/24/2013 15:20	14.5	11.36	1.76	-12.7	-12.6	-0.1	1.45	1.78	1.57	1.81	1.81	2.28	2.05	10.37	11.42
13B-0578-C8	10/25/2013 11:00	12.5	11.36	1.51	-11.0	-11.3	0.3	1.6	1.5	1.14	1.26	1.13	1.54	1.21	10.37	11.42
13B-0578-G2	10/24/2013 10:45	12.2	11.36	2.66	-9.5	-9.5	-0.1	2.67	2.66	2.33	2.47	2.38	2.82	2.49	10.37	11.42

Notes:

A indicates sample location outside the limits of bathymetry survey

B indicates that tide gauge was not deployed at that location at the time of the sampling

ft - feet

NGVD 29 - National Geodetic Vertical Datum of 1929

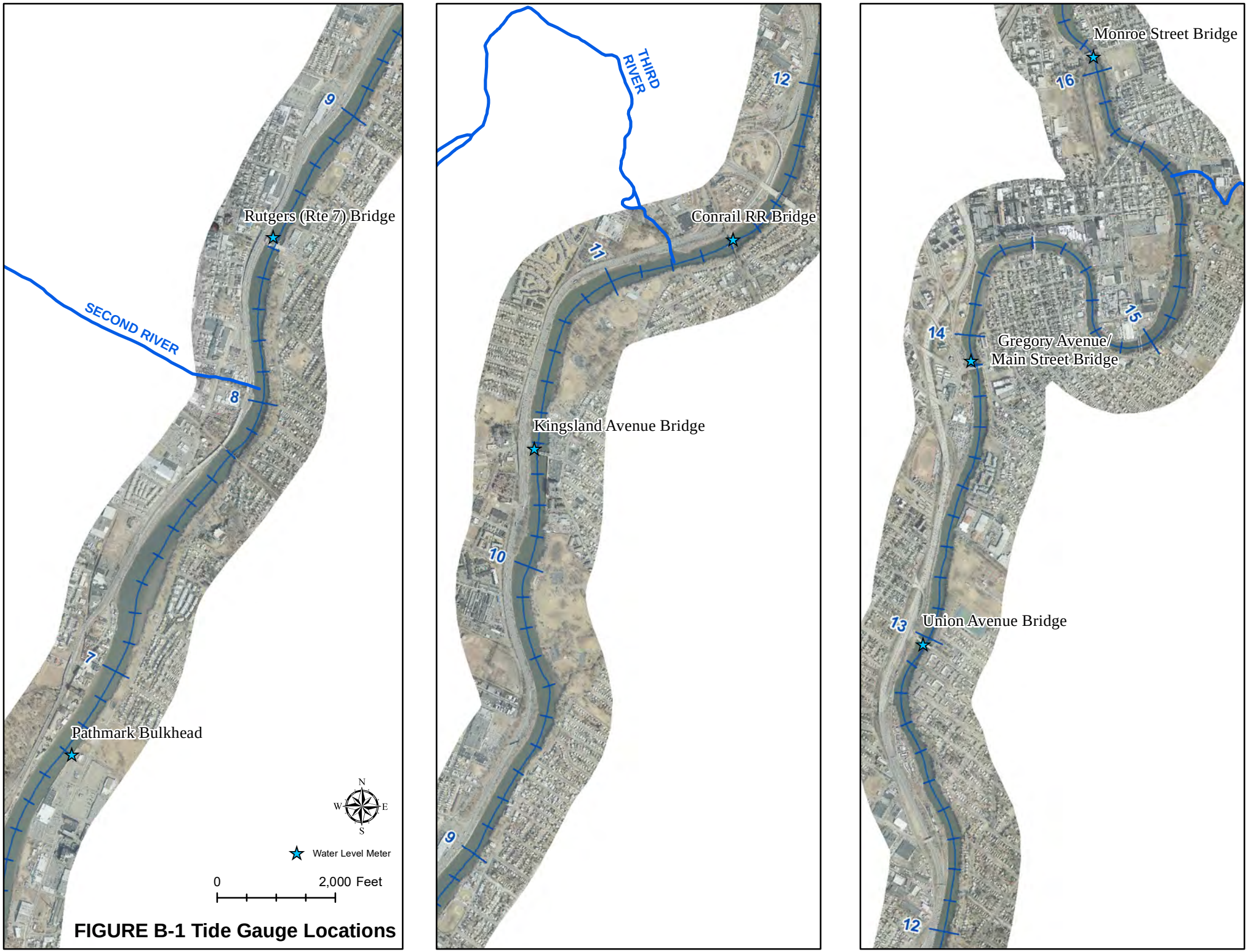

FIGURE B-1 Tide Gauge Locations

Appendix C

Hazardous and Non-hazardous Shipping Documents and Analytical Data from Investigation-Derived Waste

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			002568822 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.					
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

CleanVenture/CycleChem

CVCC 176212

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Generator's Name and Mailing Address: LOWER PASSAIC RIVER STUDY BY DEMAXIMAS 86 CENTER ST CLINTON NJ

Generator's Phone: (908) 735-9315

Transporter 1 Company Name: EISCO-NJ

Transporter 2 Company Name:

Designated Facility Name and Site Address: CYCLIC CHEM INC. 217 S. FIRST ST ELIZABETH NJ 07208

10. US EPA ID Number:

BOL

ONE MADISON ST RUTHERFORD NJ

State Trans. ID-NJDEPE: 19277

Decal No.-

Transporter's Phone: (732) 440-5152

State Trans. ID-NJDEPE:

Decal No.-

Transporter's Phone: ( )

Facility's Phone: (908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	CHEMICAL PROCESS SOLID NON RCRA/ NON DOT	13	DM		A	ID27
b.	CHEMICAL PROCESS LIQUID NON RCRA / NON DOT	8	DM		G	ID72
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator # and Product Codes: Gen# 961233

IN Emergency CALL 732-442-5152 PO# 3055

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED ☐ YES ☐ NO- FURNISHED BY CARRIER PLACARDS SUPPLIED

GENERATOR

Printed/Typed Name: Jeff Peters on behalf of LPRSA Cooperating Parties Group

Signature: [signature] on behalf of LPRSA CPG

Month Day Year: 12 27 13

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: M. Maiorana

Signature: [signature]

Month Day Year: 12 27 13

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Month Day Year:

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name:

Signature:

Month Day Year:

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

CleanVenture/CycleChem

CVCC 176211

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Generator's Name and Mailing Address: LOWER PASSAIC RIVER STUDY BY DEMAYO NJ 86 CENTER ST CLINTON NJ

Generator's Phone: (908) 735-9315

BOL

ONE MADISON ST

RUTHERFORD NJ

Transporter 1 Company Name: EISCO - NJ

State Trans. ID-NJDEPE: 19277

Transporter 2 Company Name

Decal No.-

Transporter's Phone: (732) 442-5152

Designated Facility Name and Site Address: CYCLE CHEM INC. 217 S. FIRST ST ELIZABETH NJ 07208

10. US EPA ID Number

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone: ( )

Facility's Phone: (908) 355-5800

GENERATOR

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	CHEMICAL PROCESS SOLID NON RCRA/ NON DOT	18	DM	4000	lbs	ID22
b.	Chemical Process Liquid Non RCRA/ Non DOT	4	DM	220	gal	ID22
c.						
d.						

J. Additional Descriptions for Materials Listed Above

5,

a. c.

b. d.

CCI Generator # and Product Codes: Gen # 961233

FOR EMERGENCY CALL 732-442-5152. PO # 3055

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name: Jeff Hoffer on behalf of LPRSA Cooperating Parties Group

Signature: Jeff Hoffer on behalf of LPRSA CPG

Month Day Year: 12 27 13

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Stuart Mabb Supervisor For Eisco

Signature

Month Day Year: 12 27 13

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

CleanVenture/CycleChem

CVCC 176209

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Generator's Name and Mailing Address: Lower Passic River Study By Demoyimes 86 Carter St Clinton NJ

Generator's Phone (908) 735 9315

BOL

One Madison St Rutherford NJ

Transporter 1 Company Name: Eisco - NJ

State Trans. ID-NJDEPE 19277

Decal No.-

Transporter 2 Company Name

Transporter's Phone (732) 442-5152

Designated Facility Name and Site Address: Cycle Chem Inc 217 S First St Elizabeth NJ 07208

10. US EPA ID Number

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

Facility's Phone (908) 355 5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Chemical Process Solid None Reqd/None Pot	14	DM	2500	lbs	ID27
b.	Chemical Process Liquid None Reqd/None Pot	5	DM	275	gal	ID27
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator # and Product Codes: Gen # 961233

in Emergency Call 732 442 5152 PO# 3055

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name: Jeff Holzer on behalf of LPRSA Cooperating Parties Group

Signature: Jeff Holzer on behalf of LPRSA CPG

Month Day Year: 12 27 13

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: M. Mabrana

Signature: [signature]

Month Day Year: 12 27 13

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Cycle Chem, Inc.

(908) 355-5800 Fax (908) 355-0562
www.cyclechem.com
217 South First Street
Elizabeth, NJ 07206

Material Profile Sheet
Product Code: _____
Generator No: _____

A. GENERATOR INFORMATION

GENERATOR USEPA ID [| | | | | | | | | | | |]

GENERATOR NAME LOWER PASSAIC RIVER STUDY
MAILING ADDRESS 60 CENTER ST
CLINTON NJ
GENERATOR CONTACT _____
GENERATOR PHONE # 908 735-9315
SITE ADDRESS ONE MADISON ST LITHIATH
NAME OF WASTE FORMALDEHYDE SOLUTION

BILLING ADDRESS FISCO-R
CONTACT _____
PHONE# _____ FAX # _____
PROCESS GENERATING WASTE _____

B. PHYSICAL CHARACTERISTICS OF WASTE

Color/Physical Description: CLEAR HAZY

STRONG INCIDENTAL ODOR PRESENT
__ YES __ No

PHYSICAL STATE @ 70°F
__ SOLID __ SINGLE PHASE
X LIQUID __ BI-LAYERED
__ POWDER __ MULTI-LAYERED
__ SEMI SOLID __ SLUDGE

__ WASTEWATER
__ NONWASTEWATER

SPECIFIC GRAVITY: ___

FLASHPOINT
__ < 70°F
__ 70°F – 100°F
__ 101°F – 141°F
__ 142°F – 200°F
__ >200 °F
__ NO FLASH
__ EXACT
Ignitable (if solid) __ Yes __ No
__ Closed Cup __ Open Cup

LIQUID/SOLID/SLUDGE
% Sludge _____
% Suspended Solids ___
% Solid/Debris ___
% Free Liquids 100

pH
__ < 2.0
__ 2.01-5
__ 5.01-9
__ 9.01-12.4
__ >12.50
__ EXACT

Dumpable? X Yes ___ No
Pumpable? X Yes ___ No
Pourable? X Yes ___ No

C. CHEMICAL COMPOSITION

Is MSDS Attached? _Yes_No
Is Analysis Attached? _Yes_No

	RANGE MINIMUM	RANGE MAXIMUM
FORMALDEHYDE		
SOLUTION	100	

D. REGULATORY INFORMATION

USEPA HAZARDOUS WASTE?: X YES ☐ NO
USEPA CODE(S): _____
APPLICABLE SUBCATEGORIES: _____
STATE HAZARDOUS WASTE?: X YES ☐ NO
STATE CODE(S): U132
D.O.T. HAZARDOUS WASTE?: X YES ☐ NO
PROPER SHIPPING NAME: _____
CLASS: _____ I.D. NO: _____ .P.G.: _____ R. Q.: _____

E. SHIPPING INFORMATION/SHIPMENT METHOD:

__ BULK LIQUID
__ BULK SOLID
__ DUMP TRAILER
__ ROLL-OFF
__ DRUM SIZE
__ PALLETS
__ CUBIC YARD BOX

ANTICIPATED VOLUME: _____
QUANTITY: _____
UNITS: _____
PRICE: _____
FREQUENCY: _____

F. SPECIAL HANDLING CONSIDERATIONS

CERCLA FACILITIES _____
NO LANDFILL _____
PROJECT CODE _____
OTHER _____

INCINERATE ONLY _____
CCI SALES CODE _____

G. TRANSPORTATION ARRANGEMENTS

CUSTOMER WILL DELIVER TO CCI ☐ CUSTOMER WILL DELIVER TO END FACILITY VIA CCI ☐ CCI TO PROVIDE TRANSPORTATION ☐

H. OTHER HAZARDOUS CHARACTERSTICS

INDICATE IF THE WASTE IS:
__ RCRA REACTIVE
__ WATER REACTIVE
__ RADIOACTIVE
__ SUBJECT TO SUBPART FF BENZENE REGULATIONS
__ ETIOLOGICAL
__ TSCA REGULATED
__ OXIDIZING MATERIAL
__ PYROPHORIC
__ EXPLOSIVE/SHOC SENSITIVE
__ NONE OF THE ABOVE

Indicate If This Waste Contains Any Of The Following:

	None	or Less Than	or Actual
PCB's	X	__ < 50PPM	___ PPM
Cyanides	X	__ < 250PPM	___ PPM
Phenolics	X	__ < 50 PPM	___ PPM
Sulfides	X	__ < 500 PPM	___ PPM
VOC's	X	__ < 500 PPM	___ PPM

Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004-D043)? __Yes __ No. If yes, please list the constituents and concentrations in Section D.

Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 (2)(I) at concentrations exceeding the UTS treatment standards? __ Yes __No. If yes, please list constituents and concentrations in Section D.

GENERATOR CERTIFICATION: *I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.*

AUTHORIZED SIGNATURE: X _____ TITLE: agent on behalf of CPFSA CPG DATE 12/27/13

White = Cycle Chem Yellow = Customer

65585

Appendix D

Field Records

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9-25-13

AECOM

Vessel/Sampling Platform: CANAN

Personnel (Name/Affiliation/Roll)

Dion Lewis / AECOM / Boat Lead
Dave Smith / AECOM / Field Assist
Jayson DeLoren / OSI / Boat Capt
Morgan Barrett / OSI / Field Assist

Sampling Performed/Equipment Used:

Sediment Coring - VC equipment

Stations Sampled: 13B-0547-

Health and Safety Issues: None

Deviations from Approved Plan None

Dock Departure Time: ~~2615~~ 16:18 @ 9/25/13

Dock Return Time: 19:55

Recorded by:

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60138067
Task: P405
Date: 9/23/13

AECOM

Vessel/Sampling Platform: WILDCO

Personnel (Name/Affiliation/Roll)

OSI: (CAPTAIN) STEVE BODAK
OSI: JEFF PYDESKI
DREW FOLEY (AECOM)
STEVE HOWE (AECOM)

Sampling Performed/Equipment Used:

NONE. DECON PAGS 300 (POWER GRAB)

Stations Sampled:

NONE

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 1618
Dock Return Time: 1923
Recorded by: D. FOLEY

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9-24-13

AECOM

Vessel/Sampling Platform:	CAMU
Personnel (Name/Affiliation/Roll)	
	JASON DeLORENZO / OSI / BOAT CAPT
	MORGAN BARRETT / OSI / FIELD ASSIST
	DION LEWIS / AECOM / BOAT LEAD
	DAVID SMITH / AECOM / FIELD ASSIST
Sampling Performed/Equipment Used:	
	13B-0547-C3, G1
	13B-0546-G1 (REJECT), -G2,
	13B-0551-C1, C2, C3, G1 (REJECT), G2, G3
Stations Sampled:	SEDIMENT SAMPLING, VIBRA CORING, GRAB SAMPLING
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:20
Dock Return Time:	17:30
Recorded by:	DA

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/24/2013

AECOM

Vessel/Sampling Platform: WILDA
Personnel (Name/Affiliation/Roll)
OSI · STEVE BODAK (CAPTAIN) OSI · JEFF PYDESKI (TECH)
AECOM · DREW FOLEY (LEAD)
AECOM · STEVE HOWE (TECH)
Sampling Performed/Equipment Used:
GRAB SAMPLER
VIBRACORE EQUIPMENT
Stations Sampled:
13B-0563
13B-0564
Health and Safety Issues:
NONE
Deviations from Approved Plan
NONE
Dock Departure Time: 0715
Dock Return Time: 1557
Recorded by: D. FOLEY

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/25/13

AECOM

Vessel/Sampling Platform:	CANDU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO / OSI / BOAT CAPTAIN
	MORGAN BARRETT / OSI / FIELD ASSIST
	DION LEWIS / AECOM / BOAT LEAD
	DAVE SMITH / AECOM / FIELD ASSIST
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING, CORING / VIBRA CORE
	AND GRAB SAMPLING / POWER GRAB
Stations Sampled:	13B-0510 (CORES ONLY - GRABS UNSUCCESSFUL)
	13B-0530 (CORES & GRAB)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:30
Dock Return Time:	7:20
Recorded by:	[signature]

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/25/13

AECOM

Vessel/Sampling Platform: WILDA

Personnel (Name/Affiliation/Roll)

OSI - STEVE BODAK (CAPTAIN) AECOM - STEVE HOWE (TECH)
OSI - JEFF PYDESKI (TECH) AECOM - DREW FOLEY (LEAD)

Sampling Performed/Equipment Used:

POWER GRAB AND VIBRACORE EQUIPMENT

Stations Sampled:

13B-0512
13B-0514
13B-0504 (1 CORE ONLY)

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0658
Dock Return Time: 1617
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9-26-13

AECOM

Vessel/Sampling Platform:	CANDU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO / OSI / BOAT CAPTAIN MORGAN BARRAT / OSI / FIELD ASSIST DON LEWIS / ~~AECOM OSI~~ AECOM @ 9/11/13 / BOAT LEAD DAVE SMITH / ~~AECOM OSI~~ AECOM @ 9/11/13 / FIELD ASSIST
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING VIBRA CORER AND POWER GRAB
Stations Sampled:	13B-0504 (C & G) 13B-0505 (C & G)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:15
Dock Return Time:	17:50
Recorded by:	D LEWIS

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/26/13

AECOM

Vessel/Sampling Platform: WILDA

Personnel (Name/Affiliation/Roll)

OSI - CAPTAIN - STEVE BOGAL
OSI - TECH - JEFF PYDESKI
AECOM - TECH - STEVE HOWE
AECOM - LEAD - DREW FOLEY

Sampling Performed/Equipment Used:

GRAB SAMPLER AND VIBRACORE

Stations Sampled:

13B-0533	13B-0550-G1AR
13B-0550	13B-0550-C3XR

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0720
Dock Return Time: 1535 hrs
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9-27-13

AECOM

Vessel/Sampling Platform:	Cando
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo / OSI / Boat Capt
	Morgan Barrett / OSI / Field Assist
	Dion Lewis / AECOM / Boat Lead
	Dave Smith / AECOM / Field Assist
Sampling Performed/Equipment Used:	Sediment Sampling with a Power Grab and Vibra Corer
Stations Sampled:	13B-0560 (G & C)
	13B-0562 (G only)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	10:35 (Following ICB Collections)
Dock Return Time:	15:15
Recorded by:	Dion Lewis

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/27/13

AECOM

Vessel/Sampling Platform: R/V Wildu
Personnel (Name/Affiliation/Roll)
OSI - CAPTAIN - STEVE BODAK
OSI - TECH - JEFF PYDESKI
AECOM - TECH - STEVE HOWE
AECOM - LEAD - DREW FOLEY
Sampling Performed/Equipment Used:
POWER GRAB AND VIBRACORE
Stations Sampled:
13B-0566 CORE/GRAB
13B-0565 GRAB ONLY
13B-0568 GRAB ONLY
Health and Safety Issues:
NONE
Deviations from Approved Plan
NONE
Dock Departure Time: 0729
Dock Return Time: 1429
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/30/13

AECOM

Vessel/Sampling Platform:	
	CANDU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO / OSI / BOAT CAPTAIN
	JEFF PYDNSKI / OSI / FIELD ASSIST
	DION LEWIS / AECOM / BOAT LEAD
	CHANNING HAWKINS / AECOM / FIELD ASSIST
	PATRICK CONNOLLY / CDM / OVERSIGHT. EPA (1/2 d)
Sampling Performed/Equipment Used:	
	SEDIMENT SAMPLING USING A POWER GRAB
	AND A VIBRA-CORING SYSTEM
Stations Sampled:	13B-0561 (G & C)
	13B-0559 (G & C)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:45
Dock Return Time:	15:15
Recorded by:	DION LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 9/30/13

AECOM

Vessel/Sampling Platform:
R/V Wilda
Personnel (Name/Affiliation/Roll)
OSI · CAPTAIN · STEVE BODAK
OSI · MORGAN BARRETT · TECH
AECOM · TECH · STEVE HOWE
AECOM · LEAD · DREW FOLEY
Sampling Performed/Equipment Used:
POWER GRABS & VIBRACORE
Stations Sampled:
13B-0503
13B-0502
13B-0569 (GRAB ONLY)
Health and Safety Issues:
NONE
Deviations from Approved Plan
NONE
Dock Departure Time: 0751
Dock Return Time: 1512
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-1-13

AECOM

Vessel/Sampling Platform:	Cankv
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo / OSI / Boat Captain Jeff Pyzeski / OSI / Field Assist - Deck Hand Dion Lewis / AECOM / Boat Lead Channing Hawkins / AECOM / Field Assist Patrick Connelly / CH Smith / Observer (1/2 d)
Sampling Performed/Equipment Used:	Sediment Sampling using Power Grab and Vibra-Corer
Stations Sampled:	13B-0572 (C+G attempts) 13B-0573 (C+G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:50
Dock Return Time:	14:55
Recorded by:	D Lewis

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/1/13

AECOM

Vessel/Sampling Platform: R/V Wilda

Personnel (Name/Affiliation/Roll)

OSI - CAPTAIN - STEVE BOZAK
OSI - TECH - MORGAN BENNET
AECOM - TECH - STEVE HOWE
AECOM - LEAD - DREW FOLEY

Sampling Performed/Equipment Used:

POWER GRAB AND VIBRACORE

Stations Sampled:

138-0507 - G1; C1; C2; C3
138-0501 - C1; C2; C3; G2

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0708
Dock Return Time: 1430
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-2-13

AECOM

Vessel/Sampling Platform:	CAMM
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo / OSI / Boat Captain Jeff Pydeski / OSI / Deckhand Alan Lewis / AECOM / Boat Lead Channing Hawkins / AECOM / Field Assist Patrick Connelly / CAM / Observer
Sampling Performed/Equipment Used:	Sediment Sampling using a Power Grab and Vibra-coring System
Stations Sampled:	13B-0574 (C+G) 13B-0557 (C+G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:50
Dock Return Time:	16:00
Recorded by:	A Lewis

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/2/13

AECOM

Vessel/Sampling Platform:

R/V Wilda

Personnel (Name/Affiliation/Roll)

OSI - CAPTAIN - STEVE BODAK

OSI - TECH - MORGAN BARRETT

AECOM - TECH - STEVE HOWE

AECOM - LEAD - DREW FOLEY

Sampling Performed/Equipment Used:

POWER GRAB AND VIBRACORE

Stations Sampled:

13B-0513

13B-0506

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0720

Dock Return Time: 1510

Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-3-13

AECOM

Vessel/Sampling Platform:	Canvas
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo / OSI / Boat Captain
	Jeff Pyjeski / OSI / Deck Hand
	Dion Lewis / AECOM / Boat Lead
	Channing Hawkins / AECOM / Field Assist
	Pat Connelly / CDM / Observer (Part Day)
Sampling Performed/Equipment Used:	
	Sediment Sampling using a Power
	Grab Sampler and a Vibra-Corer
Stations Sampled:	13B-0571-(C+G)
	13B-055E-(C+G)
	13B-0555-(C+G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	6:40
Dock Return Time:	14:40
Recorded by:	D. Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/3/13

AECOM

Vessel/Sampling Platform: R/V Wilda
Personnel (Name/Affiliation/Roll)
OSI - Captain - Steve Bodak
OSI - Tech - Morgan Barrett
Aecom - Steve Howe
Aecom - Drew Foley
Sampling Performed/Equipment Used:
Power Grab and Vibracore
Stations Sampled:
13B-0523
13B-0508
13B-0520
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0713
Dock Return Time: 1656
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-4-13

AECOM

Vessel/Sampling Platform:	R/V Carol
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo / OSI / Boat Capt.n
	Jeff Pyzbski / OSI / Deck Hand
	Dion Lewis / AECOM / Boat Lead
	Channing Hawkins / AECOM / Field Assist
	Jeff Rakowski / Chris Smith / Observer
Sampling Performed/Equipment Used:	Sediment Sampling using Power Grab
	And VC system
Stations Sampled:	13B-0571 (C3 & C4) & Assoc EBs
	13B-0570 (G) & Assoc EBs
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:45
Dock Return Time:	12:00
Recorded by:	D Lewis

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/4/13

AECOM

Vessel/Sampling Platform: R/V Wilda
Personnel (Name/Affiliation/Roll)
DSI - Captain - Steve Bodak
DSI - Tech - Morgan Barrett
Arcadis - Tech - Steve Howe
Aecom - Lead - Drew Foley
Sampling Performed/Equipment Used:
Power Grabs and Vibracore
Stations Sampled:
13B-0567 (Grab only)
13B-0522 (Grab only)
13B-0529
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0726
Dock Return Time: 1349
Recorded by: D. Foley

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-7-13

AECOM

Vessel/Sampling Platform:	CANOE
Personnel (Name/Affiliation/Roll)	JASON DeLORENZO / OSI / BOAT CAPTAIN JEFF PYLYSKI / OSI / DECK HAND DION LEWIS / AECOM / BOAT LEAD DAVE SMITH / AECOM / FIELD ASSIST PATRICK CONNELLY / CSM / OBSERVER
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING A POWER GRAB SAMPLER AND A VIBRA-CORER
Stations Sampled:	J3B-0556 (C & G)
Health and Safety Issues:	NONE STOPPED OPERATIONS AFTER 1 STATION DUE TO TORNADO WATCH ALERT WAS POSTED
Deviations from Approved Plan	NONE
Dock Departure Time:	7:25
Dock Return Time:	10:50
Recorded by:	LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/7/13

AECOM

Vessel/Sampling Platform:
R/V Wildu
Personnel (Name/Affiliation/Roll)
OSI - Steve Booth - Captain
OSI - Morgan Barrett - Tech
Aecom - Steve Howe - Tech
Aecom - Drew Foley - Lead
Sampling Performed/Equipment Used:
Power Grabs and Vibracore
Stations Sampled:
13B - 0534
~~13B - 0527 AF~~
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0740
Dock Return Time: 1125
Recorded by: Drew Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-8-13

AECOM

Vessel/Sampling Platform:	R/V Carlsu
Personnel (Name/Affiliation/Roll)	Jason Delorenzo - OSI · Boat Capmin Jeff Pyzeski · OSI · Deck Hand Dion Lewis · AECOM · Boat Lead Dave Smith · AECOM · Field Assist Patrick Connery - CDM Smith · Oversight
Sampling Performed/Equipment Used:	Sediment Sampling using a Power Grab Sampler and a Vibra Coring System
Stations Sampled:	13B-0511 (C & G) 13B-0515 (C & G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:05
Dock Return Time:	15:50
Recorded by:	D Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/8/13

AECOM

Vessel/Sampling Platform:

R/V Wilda

Personnel (Name/Affiliation/Roll)

OST - Steve Boak - Captain
OST - Morgan Barcatt - Tech
AECOM - Steve Howe - Tech
AECOM - Drew Foley

Sampling Performed/Equipment Used:

Power Grabs and Vibracore

Stations Sampled:

13B-0526
13B-0527
13B-0532

Health and Safety Issues:

None

Deviations from Approved Plan

None

Dock Departure Time: 0710

Dock Return Time: 1647

Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-9-13

AECOM

Vessel/Sampling Platform:	CANSU
Personnel (Name/Affiliation/Roll)	JASON DeLORENZO · OSI · BOAT CAPTAIN JEFF PYNOSKI · OSI · DECK HAND DAVE LEWIS · AECOM · BOAT LOAD DAVE SMITH · AECOM · FIELD ASSIST PAT CONNELLY · CH SMITH · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING A POWER GRAB AND VIBRA CORING SYSTEM
Stations Sampled:	13B-0526 (C&G) 13B-0516 (G)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:30
Dock Return Time:	17:40
Recorded by:	D LEWIS

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/9/13

AECOM

Vessel/Sampling Platform: R/V Wilda

Personnel (Name/Affiliation/Roll)

OSI · CAPTAIN · STEVE BODAK
OSI · TECH · MORGAN BARRETT
AECOM · TECH - STEVE HOWE
AECOM · LEAD · DREW FOLEY

Sampling Performed/Equipment Used:

Power Grab and Vibracore

Stations Sampled:

13B-0521
13B-0524
13B-0525

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0708
Dock Return Time: 1621
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-10-13

AECOM

Vessel/Sampling Platform:	Camlu
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo · OSI · Boat Capmin
	Morgan Barrett · OSI · Deck Hand
	Dion Lewis · AECOM · Boat Lead
	Dave Smith · AECOM · Field Assist
	Sean O'Hare · CDM · Observer
Sampling Performed/Equipment Used:	
	Sediment Sampling using Power Grab
	and Vibra-Coring Systems
Stations Sampled:	13B-0516 (C)
	13B-0518 (G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:55
Dock Return Time:	17:35
Recorded by:	D. Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/10/13

AECOM

Vessel/Sampling Platform: R/V Wildy
Personnel (Name/Affiliation/Roll)
OSI - Steve Bodak - Captain
OSI - Jeff Pydeski - Tech
Aecom - Steve Howe - Tech
Aecom - Drew Foley - Lead
Sampling Performed/Equipment Used:
Power Grab and Vibracore
Stations Sampled:
13B-0536
13B-0535
Equipment Blank
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0909
Dock Return Time: 1626
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-11-13

AECOM

Vessel/Sampling Platform:	CANNU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO · OSI · BOAT CAPTAIN
	MORGAN BARRETT · OSI · DECK HAND
	DION LEWIS · AECOM · BOAT LEAD
	DAVE SMITH · AECOM · FIELD ASSIST
	SEAN O'HARE · CAM · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING POWER GRAB SAMPLER AND VIBRA-CORING SYSTEM
Stations Sampled:	13B-0541 (CVG)
	13B-0542 (CVG)
Health and Safety Issues:	NO
Deviations from Approved Plan	NO
Dock Departure Time:	9:15
Dock Return Time:	16:05
Recorded by:	D. LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/11/13

AECOM

Vessel/Sampling Platform: R/V Wildu
Personnel (Name/Affiliation/Roll)
OSI · Captain · Jeff Pyoeski
OSI · TRCH · Steve Boark
AECOM · Steve Howe · TRCH
AECOM · Drew Foley · Lead
Sampling Performed/Equipment Used:
Power Grab
Vibracore
Stations Sampled:
13B-0517 (Requires 20ft core - Canon Needed)
13B-0519 (Requires 20ft core - Canon Needed)
13B-0545
13B-0543
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0725
Dock Return Time: 1539
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-14-13

AECOM

Vessel/Sampling Platform:	CANAL
Personnel (Name/Affiliation/Roll)	JASON DELORENZO · OSI · BOAT CAPTAIN JOE PEGNATERO · OSI · DECK HAND DION LEWIS · AECOM · BOAT LEAD DAVE SMITH · AECOM · FIELD ASSIST BEN HAMMOND · CSM · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING A POWER GRAB AND VIBRA-CORING SYSTEM
Stations Sampled:	13B-0554 (G + C)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	8:10
Dock Return Time:	15:50
Recorded by:	D. LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/14/13

AECOM

Vessel/Sampling Platform:

R/V Wildu

Personnel (Name/Affiliation/Roll)

OSI · Captain · Jeff Rydeski
OSI · Tech · Morgan Barrett
Aecom · Tech · Steve Howe
Aecom · Lead · Drew Foley

Sampling Performed/Equipment Used:

Power Grab and Vibracore

Stations Sampled:

13B-0531
13B-0509

Health and Safety Issues:

None

Deviations from Approved Plan

None

Dock Departure Time: 0725
Dock Return Time: 1616
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-15-13

AECOM

Vessel/Sampling Platform:	R/V Carlo		10/15/13
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo	OSI	Boat Captain
	Joe Pignatoro	OSI	Deck Hand
	Don Lewis	AECOM	Boat Lead
	Dale Smith	AECOM	Field Asst
	Sean O'Hare	COM	Oversight
Sampling Performed/Equipment Used:	Sediment Sampling using a Power Grab and Vibra-Coring System		
Stations Sampled:	13B-0540 (G&C)		
Health and Safety Issues:	None		
Deviations from Approved Plan	None		
Dock Departure Time:	7:20		
Dock Return Time:	15:30		
Recorded by:	D. Lewis		

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/15/13

AECOM

Vessel/Sampling Platform:
R/V Wilda
Personnel (Name/Affiliation/Roll)
OSI · Jeff Pydeski - Captain
OSI · Morgan Barrett · Tech
Aecom - Steve Howe · Tech Supreme
Aecom · Drew Foley · Lead
Sampling Performed/Equipment Used:
Power Grab and Vibracore
Stations Sampled:
13B - 0576
13B - 0538
Health and Safety Issues:
NONE
Deviations from Approved Plan
NONE
Dock Departure Time: 0715
Dock Return Time: 1555
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-16-13

AECOM

Vessel/Sampling Platform:	CAMU
Personnel (Name/Affiliation/Roll)	JASON DE LORENZO · OSI · BOAT CAPTAIN
	JOE PERNAFERO · OSI · DECK HAND
	DION LEWIS · AECOM · BOAT LEAD
	DAVE SMITH · AECOM · FIELD ASSIST
	SEAN O'HARE · CAM · OVERSIGHT
Sampling Performed/Equipment Used:	
	SEDIMENT SAMPLING USING PONAR GRAB & VIBRA-CORING SYSTEM
Stations Sampled:	13B-0539 (C&G)
	13B-0544 (C&G)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:45
Dock Return Time:	15:45
Recorded by:	D. LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/16/13

AECOM

Vessel/Sampling Platform: R/V Wildy
Personnel (Name/Affiliation/Roll)
OSI - Jeff Pydeski
OSI - Morgan Barrett
AECOM - Steve Hower
AECOM - Drew Foley
Sampling Performed/Equipment Used:
Power Grab and Vibracore
Stations Sampled:
13B-0553
13B-0537
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0730
Dock Return Time: 1613
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-17-13

AECOM

Vessel/Sampling Platform:	Carsie
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo · OSI · Boat Captain
	Joe Bognatoro · OSI · Deckhand
	Dion Lewis · AECOM · Boat Lead
	Dave Smith · AECOM · Field Assist
	Sean O'Hare · CLM · Oversight
Sampling Performed/Equipment Used:	Power Grab & Vibracoring System used to support Sediment Sampling
Stations Sampled:	13B-0549 (C & G)
	13B-0552 (C & G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:40
Dock Return Time:	16:00
Recorded by:	D. Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10/17/13

AECOM

Vessel/Sampling Platform:
R/V Wildu
Personnel (Name/Affiliation/Roll)
OSI · Jeff Pydeshi · Captain
OSI · Morgan Barrett · Tech
Aecom · Steve Howe · Tech
Aecom · Drew Foley · Lead
Sampling Performed/Equipment Used:
Power Grab
Vibra Core
Stations Sampled:
13B-0575
Equipment Blank
Health and Safety Issues:
None
Deviations from Approved Plan
None
Dock Departure Time: 0720
Dock Return Time: 1249
Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-18-13

AECOM

Vessel/Sampling Platform:	Survey Vessel Cando
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo · OSI · Captain
	Joe Pignatero · OSI · Deck Hand
	Dion Lewis · AECOM · Boat Lead
	Dave Smith · AECOM · Field Assist
	Sean O'Hare · CDM · Oversight
	Helen Jones · AECOM · Task Lead
Sampling Performed/Equipment Used:	Sediment Sampling using a Power/Pneumatic Grab Sampler and Vibra Coring System
Stations Sampled:	13B-548-(d, G, & Equipment Blanks)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:45
Dock Return Time:	12:00
Recorded by:	D Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 6/18/13

AECOM

Vessel/Sampling Platform: R/V Wilda

Personnel (Name/Affiliation/Roll)

OSI - Jeff Pydeshi — CAPTAIN
OSI - Morgan Barrett — DECK HAND
AECOM - Steve Howe — FIELD ASSIST
AECOM - Drew Foley — BOAT LEAD

Sampling Performed/Equipment Used:

Power Grab
Vibracore

Stations Sampled:

13B-0577

Health and Safety Issues:

NONE

Deviations from Approved Plan

NONE

Dock Departure Time: 0645

Dock Return Time: 1115

Recorded by: D. Foley

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-21-13

AECOM

Vessel/Sampling Platform:	Carlo
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo . OSI . Captain
	Morgan Barrot . OSI . Deck Hand
	Dion Lewis . AECOM . Boat Lead
	Dave Smith . AECOM . Field Assist
	Sean O'Hare . CAM . Overlight
	Helen Jones . AECOM . Field Lead
Sampling Performed/Equipment Used:	
	Sediment Sampling using a Pneumatic
	Power Grab and Vibra-Coring System
Stations Sampled:	13B-0517 (C & G)
	13B-0519 (G)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:05
Dock Return Time:	16:20
Recorded by:	D. Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-22-13

AECOM

Vessel/Sampling Platform:	Survey Vessel Canan
Personnel (Name/Affiliation/Roll)	Jason DeLorenzo · OSI · Captain Jeff Pyzeski · OSI · Deck Hand Dion Lewis · AECOM · Boat Lead Helen Jones · AECOM · Field Lead Jeff Rakowski · CDM · Oversight
Sampling Performed/Equipment Used:	Sediment Sampling using a Pneumatic/Power Grab Sampler and Vibratory Coring System
Stations Sampled:	133-0519 (C)
Health and Safety Issues:	None
Deviations from Approved Plan	None
Dock Departure Time:	7:20
Dock Return Time:	15:40
Recorded by:	D. Lewis

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 23 OCT 13

AECOM

Vessel/Sampling Platform:	CANDU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO · OSI · CAPTAIN JEFF PLAWSKI · OSI · DECK HAND DION LEWIS · AECOM · BOAT LEAD HELEN JONES · AECOM · FIELD LEAD SEAN O'HARE · CAM · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING A PNEUMATIC POWER GRAB AND VIBRACORING SYSTEM
Stations Sampled:	13B-0523 (C & G)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:30
Dock Return Time:	17:40
Recorded by:	D LEWIS

Revision 3, January 2012

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 10-24-13

AECOM

Vessel/Sampling Platform:	CAMU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO/JEFF PYNOSKI · OSI · CAPTAIN JEFF PYNOSKI/MORGAN BARRUT · OSI · DECK HAND DION LEWIS · AECOM · BOAT LEAD HELEN JONES · AECOM · FIELD LEAD NATHAN PINSKER · AECOM FIELD ASSIST SEAN O'HARE · CAM · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING USING A PNEUMATIC / POWER GRAB AND VIBRA-CORING SYSTEM
Stations Sampled:	10/24/13 13B-0578A (HIGH RES CORES) 13B-0578 (G&C)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	7:10
Dock Return Time:	16:30
Recorded by:	D. LEWIS

Daily Activity Log
Lower Passaic River Restoration Project
Project No: 60139067
Task: P405
Date: 25 OCTOBER 13

AECOM

Vessel/Sampling Platform:	CANDU
Personnel (Name/Affiliation/Roll)	JASON DELORENZO · OSI · BOAT CAPTAIN JEFF PYZESKI · OSI · DECK HAND DION LEWIS · AECOM · BOAT LEAD NATHAN PINSKER · AECOM · FIELD ASSIST HELEN JONES · AECOM · FIELD LEAD SEAN O'HARE · CDM · OVERSIGHT
Sampling Performed/Equipment Used:	SEDIMENT SAMPLING ABOARD CANDU USING A PNEUMATIC/POWER GRAB AND VIBRA-CORING SYSTEM
Stations Sampled:	13B-057E (FOR ARMY HIGH RES CORES) 13B-0547 (FOR HIGH RES)
Health and Safety Issues:	NONE
Deviations from Approved Plan	NONE
Dock Departure Time:	9:35
Dock Return Time:	16:50
Recorded by:	D LEWIS

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/22/2013

Operating Day: 0.7
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
10:30	arrive at Liberty ramp
12:30	boat in water
13:00	depart ramp for CPG facility
16:30	arrive at CPG facility, set moorings
17:30	end of day
	38 - 20' sections lexan liner delivered

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/23/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 2.5

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
8:00	meet at CPG facility for project meeting
10:30	prep boats for work
12:04	boat rigged, waiting on clients
15:30	client reps arrive at dock, load gear
16:20	cast off for first station
17:18	on station 13b-0547
18:49	abandoning station due to sunset, on site clean up, drop mast
19:10	mast down, transit to CPG
19:44	vessel secured at mooring, offloading samples
20:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/24/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1.75

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
6:00	arrive at CPG
7:13	clients on board, NAV check
7:19	cast off
7:58	arrive at first location, stepping mast, rigging for work
8:10	on station 13B-0547
9:25	equipment failure mid core, switching to grabs
11:05	on station 13b-0546
11:40	dropping mast, heading to CPG to swap gear
12:15	tied up at CPG, swapping gear
13:15	cast off for next station
14:03	on station 13B-0551
16:34	anchors up, heading to dock while client reps process
17:04	at mooring, offloading samples
17:45	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/25/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at dock
7:34	cast off
8:40	on station 13B-0510
11:58	on station 13B-0528
12:43	on station 13B-0530
15:56	on site cleanup, drop mast
17:05	boat secured at mooring
17:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/26/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1.75

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
6:15	arrive at dock
7:00	clients arrive, loading gear
7:20	cast off
8:00	below bridges, stepping mast
8:40	on station 13B-0504
9:00	first core on deck, pulling anchors, heading to deep water to service
10:00	core processed, returning to station
11:00	sample on deck, pulling anchors, heading to deep water to service
11:49	returning to station for grab
12:42	on station 13B-0505
14:52	last sample on deck, on site clean up, drop mast
15:50	tied up to DeJessa bridge, waiting on tide to drop
17:00	past DeJessa
17:33	tied up at mooring
18:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
139 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/27/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
6:15	arrive at boat
7:10	tied up at dock, NAV check
7:31	client reps arrive
8:00	begin rinse blanks
10:30	cast off
10:47	on station 13B-0562
11:49	on station 13B-0560
14:17	on site cleanup, pull anchors
14:32	tied up on mooring, offloading samples
16:30	depart for Old Saybrook
	3.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/28/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/29/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down
	3.5 hours travel
	51 - 20' sections lexan liner delivered

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9.30.13

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at boat
7:00	tied up to dock, NAV check, load client reps and gear
7:45	cast off, health and safety
8:09	on station 13B-0561
10:38	on station 13B-0559
12:45	offloading samples
14:14	on site cleanup, pull anchors
14:33	tied up at mooring, waiting on transport vessel
15:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/1/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13cs061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
7:15	arrive at boat
7:30	tied up at dock, loading client reps gear
7:50	cast off for first station
8:18	on station 13B-0572
11:23	on station 13B-0573
14:25	anchors up, heading for mooring
14:45	secured at mooring
15:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/2/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at boat
7:20	boat at dock, client reps loading gear
7:45	cast off for first station
8:10	on station 13B-0574
11:35	tied up at CPG dock, dropping mast for transit down stream
11:51	mast down, waiting to offload samples
13:24	on station 13B-0557
15:06	on site cleanup, pulling anchors, dropping mast for transit
15:49	secured at mooring, offloading client reps and samples
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/3/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
6:00	arrive at boat
6:15	boat secured to dock
6:39	cast off
7:25	on station 13B-0571
8:10	switching to 20' barrel
8:43	20' core on deck, pulling anchors to find deeper water
10:30	on station 13B-0558
13:57	on station 13B-0555
16:04	on site clean up, pull anchors, drop mast
16:33	secured at mooring
17:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/4/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:27	client reps loading gear
7:47	cast off
8:15	on station 13B-0571
11:03	on station 13B-0570
11:48	mast down, heading to dock for rinse blanks
12:06	secured to dock
14:30	depart for Old Saybrook
	2.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/5/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down
14:30	depart for Old Saybrook

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/6/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down
	3 hours travel
	57 - 20' sections lexan liner delivered
14:30	depart for Old Saybrook

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/7/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock, load client reps and gear
7:30	cast off
7:49	below bridge, stepping mast
8:15	on station 13B-0556
10:30	abandoning station due to building winds and storm system moving in, on site cleanup, drop mast for transit
11:00	secured at dock
11:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/8/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2-
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at dock
7:00	cast off
7:57	below bridges, mast stepped
9:00	on station 13B-0511
12:12	on station 13B-0515
14:20	on site cleanup, drop mast, transit to CPG
15:52	tied up at CPG, offloading samples
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/9/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock, load client reps and gear, NAV check
7:30	cast off
8:25	mast stepped, rigging for 20' cores
8:53	on station 13B-0528
9:30	first core on deck, moving to deep water to process
10:15	returning to station
10:42	core on deck, moving to deep water to process
11:17	returning to station
12:22	grab and core on deck, heading to deep water to process
13:30	deconing grab, offloading samples
13:59	heading to 13B-0523
14:10	while attempting to anchor, small post noticed in trees indicating gas pipeline location, followup calls made to office, station put on hold pending further investigation
15:09	on station 13B-0516, swapping barrels
16:08	on site cleanup, pulling anchors, dropping mast, return to dock
17:45	boat secure at CPG
18:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/10/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:55	cast off
8:37	below bridge, step mast, rig for operations
9:16	on station 13B-0516
9:41	sample on deck, heading to deep water to process
10:55	back on station
12:10	on station 13B-0518
15:30	on site clean up, drop mast, head to dock
16:21	tied up at DeJessa bridge, waiting on tide to drop
17:00	past DeJessa
17:40	boat secured at dock
18:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/11/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
8:00	arrive at dock, rinse blanks
9:15	cast off
10:08	below bridges, step mast, rig for work
10:30	on station 13B-0541
12:46	on station 13B-0542
15:24	on site cleanup, drop mast
16:10	tied up at CPG, secure vessel for weekend
17:00	depart for Old Saybrook
	1.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/12/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/13/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down
	3 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/14/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock, plan remainder of stations
7:30	health and safety, NAV check
8:11	cast off
8:30	below bridge, step mast, rig for work
8:55	on station 13B-0549, too shallow to work
9:30	on station 13B-0554
12:00	swap barrels, rig for 20' cores
13:06	core on deck, grab on deck, heading to deep water to service core
14:05	core processed
14:47	on site cleanup, decon grab sampler
16:00	tied up at dock
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/15/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at dock
7:20	cast off
7:59	below bridges, step mast, rig for coring
8:45	on station 13B-0540
9:15	swapping barrels after first core yielded no native material
9:56	grab processed, second core
11:18	core on deck, heading for deep water to process
12:29	core processed, reacquiing station
13:15	core on deck, heading for deep water to process
13:27	anchored at deep water, waiting on tide to rise
14:35	core processed, onsite cleanup, drop mast
15:30	tied up at CPG
16:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/16/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:45	cast off
8:27	below bridges, step mast, rig for work
9:20	on station 13B-0539
12:26	on station 13B-0544
15:00	on site cleanup, drop mast
15:45	tied up to CPG
16:15	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/17/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:20	client reps arrive, load gear
7:45	cast off
8:00	below bridge, step mast, rig for work
8:54	on station 13B-0549
11:56	on station 13B-0552
12:25	offload samples
15:20	on site clean up, drop mast
16:00	tied up to CPG
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/18/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JPP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:45	cast off
8:30	mast stepped, past bridges
8:46	on station 13B-0548
11:00	grab on deck, processing
11:20	processing complete, on site cleanup
12:00	tied up at CPG, begin rinse blanks
13:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/19/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/20/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
	Weekend Stand Down
	4 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/21/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at dock
7:06	cast off
7:54	below bridges, step mast, rig for work
8:16	on station 13B-0517
13:02	grab on deck
13:53	offload samples
14:10	on station 13B-0519
15:00	on site cleanup, drop mast
16:22	tied up at CPG
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/22/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:19	cast off
8:14	below bridges, mast stepped, rig for work
8:37	on station 13B-0519
12:18	offload samples
14:00	fifth core on deck, on site clean up, drop mast
14:41	offload samples
15:45	tied up at CPG
16:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/23/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at dock
7:30	cast off
8:20	below bridges, step mast, rig for work, begin rinse blanks
10:00	rinse blanks complete
11:00	on station 13B-0523 (revised)
11:40	sample on deck, heading to deep water to process
13:00	back on station
13:26	sample on deck, heading to deep water to process
14:36	back on station
14:56	sample on deck, heading to deep water to process
16:09	back on station for grab
16:17	at anchor, processing grabs
16:35	on site clean up, drop mast
17:45	tied up at CPG
18:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/24/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
6:30	arrive at dock
7:11	cast off
7:40	below bridge, stepping mast, rigging for work
8:03	on station 13B-0578 L and H
15:35	last sample on deck, on site cleanup, drop mast
16:35	tied up at CPG
16:45	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/25/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, JRP
Survey Vessel: R/V Candu

Time	Activity
9:00	On boat, ready for ops
9:30	Depart dock for station 13B-0578
9:50	on station 13B-0578
12:40	on station 13B-0547
15:29	last sample on deck, picking up anchors
15:50	picking up anchors
16:30	tied up at dock
17:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/26/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JBD, MDB
Survey Vessel: R/V Candu

Time	Activity
7:00	arrive at CPG
7:30	cast off
10:52	tied up at Liberty, depart for CPG
12:30	arrive at CPG, load remaining liner and equipment for departure
14:00	depart for Liberty
17:00	boat on trailer, secured for overland travel
	3 hours travel
	19 - 20' sections lexan liner returned

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/23/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 2.5

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,JRP
Survey Vessel: Wildu

Time	Activity
8:00	At CPG- project meeting
10:30	At boat
16:00	Load AECOM equip
16:30	Leave dock for coring ops
17:15	At location 13B-0547, observe Candu operations
19:03	Leave for dock
19:22	At CPG dock
20:30	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/24/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,JRP
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:15	Leave dock
7:47	At location 13B-0563
12:38	At location 13B-0564
15:40	Leave station
15:58	At CPG dock
16:30	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/25/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,JRP
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:00	Leave dock
8:04	At location 13B-0504
9:44	At location 13B-0512
12:55	At location 13B-0514
15:40	Leave station for CPG dock
16:14	Tied up at CPG
16:30	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/26/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,JRP
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:20	Leave dock
8:14	At location 13B-0533
12:22	At location 13B-0550
14:41	At location 13B-0550
15:15	Leave station for CPG dock
15:45	Arrive back at dock
16:30	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/27/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,JRP
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:10	Leave dock
8:10	At location 13B-0565
9:37	At location 13B-0566
13:19	At location 13B-0568
14:05	Leave station for CPG dock
14:28	Arrive back at dock
15:30	End of day
	2.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/28/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: SCB, JRP
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down
	2.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/29/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: SCB, JRP
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down
	3.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/30/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:40	Leave dock
8:35	At location 13B-0501
11:07	At location 13B-0502
14:47	At location 13B-0569-grab
15:05	Leave station for CPG dock
15:15	Arrive back at dock
15:45	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/1/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:06	Leave dock
7:59	At location 13B-0507
10:41	At location 13B-0501
13:44	Leave station for CPG dock
14:35	Arrive back at dock
15:15	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/2/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:22	Leave dock
8:04	At location 13B-0513
11:06	At location 13B-0506
14:05	Leave station for CPG dock
15:05	Arrive back at dock
15:35	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/3/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:10	Leave dock
7:59	At location 13B-0520
11:00	At location 13B-0523
13:41	At location 13B-0508
16:25	Leave station for CPG dock
17:00	Arrive back at dock
17:30	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/4/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDV
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:25	Leave dock
8:10	At location 13B-0567
8:52	At location 13B-0522
10:05	At location 13B-0529
13:20	Leave station for CPG dock
14:00	Arrive back at dock
14:30	Leave for OSI
	2.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/5/2013

Operating Day: ______
Standby Day: ______
Overtime (Hrs): ______

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: SCB, MDB
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down

OSI Project Manager: [signature]

Authorized Client Representative: [signature]

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/6/2013

Operating Day: ______
Standby Day: ______
Overtime (Hrs): ______

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: SCB, MDB
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down
	3 hours travel

OSI Project Manager: ______

Authorized Client Representative: ______

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/7/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:20	Leave dock
8:00	At location 13B-0534
10:50	Leave station for CPG dock, tornando warning, winds building
11:30	Arrive back at dock
12:00	End of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/8/2013

Operating Day: 1
Standby Day:
Overtime (Hrs): .5

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:05	Leave dock
7:40	At location 13B-0526
10:51	At location 13B-0527
14:22	At location 13B-0532
16:10	Leave station for CPG dock
16:47	Arrive back at dock
17:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/9/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:10	Leave dock
8:14	At location 13B-0521
10:57	At location 13B-0524
13:35	At location 13B-0525
15:45	Leave station for CPG dock
16:20	Arrive back at dock
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/10/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: SCB,MDB
Survey Vessel: Wildu

Time	Activity
7:45	At boat, Field Blank
9:10	Leave dock
9:53	At location 13B-0536
12:33	At location 13B-0535
15:45	Leave station for CPG dock
16:30	Arrive back at dock
17:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/11/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,SCB
Survey Vessel: Wildu

Time	Activity
6:45	At boat, ready for Ops
7:30	Leave dock
8:15	At location 13B-0517
9:30	At location 13B-0519
11:22	At location 13B-0545
13:04	Recon Third River stations
13:30	At location 13B-0543
15:15	Leave station for CPG dock
15:45	Arrive back at dock
16:00	Leave CPG for OSI
	3 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/12/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JRP, MDB
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/13/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JRP, MDB
Survey Vessel: R/V Wildu

Time	Activity
	Weekend Stand Down
	3 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/14/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:15	Leave dock
8:00	At location 13B-0531
11:30	At location 13B-0509
15:30	Leave location 13B-0509
16:15	Arrive at CPG dock
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/15/2013

Operating Day: /
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:10	Leave dock for station 13B-0576
7:30	At location 13B-0576
9:45	Leave location 13B-0576
10:45	At Location 13B-0738
15:15	Leave Location 13B-0738 for CPG dock
15:55	tied up at CPG
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/16/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,MDB
Survey Vessel: Wildu

Time	Activity
6:30	At boat, ready for Ops
7:30	Leave dock for station 13B-0553
8:15	At location 13B-0553
11:30	Leave location 13B-0553 for station 13B-0537
12:15	At Location 13B-0537
15:30	Leave Location 13B-0537 for CPG dock
16:15	Arrive back at dock
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/17/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,MDB
Survey Vessel: Wildu

Time	Activity
7:00	At boat, ready for Ops
7:30	Depart dock for station 13B-0575
8:00	Arrive at station 13B-0575
12:00	Leave station 13B-0575
13:00	Arrive back at CPG dock for field blank
15:00	Finish field blank
`16:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/18/2013

Operating Day: 1
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title:
OSI Job #: 13ES061
OSI Personnel: JRP,MDB
Survey Vessel: Wildu

Time	Activity
6:00	At boat Ready for ops
6:45	Leave CPG dock for station 13B-0577
7:15	At station 13B-0577
9:45	Leave station 13B-0577 for dock
11:15	Arrive at CPG dock
11:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/19/2013

Operating Day: 0.2
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JRP, MDB
Survey Vessel: R/V Wildu

Time	Activity
6:30	arrive at CPG
6:45	cast off for ramp
7:30	boat on trailer
8:30	boat secured for overland travel, depart for Old Saybrook

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/22/2013

Operating Day: 0.6
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
11:15	arrive at ramp
12:15	boat in water
13:30	arrive at CPG, assist in setting mooring anchors
17:30	transport Candu drew to dock, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/23/2012

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 2.5

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
8:00	Arrive at CPG for health and safety meeting
11:45	cast off for HOBO deployment
12:15	RM 13.9 stilling well not found
12:25	RM 12.9 HOBO installed
12:50	RM 11.6 HOBO installed
13:20	RM 10.3 HOBO installed
13:50	RM 8.5 HOBO installed
14:15	RM 6.5 HOBO installed
16:30	depart for Monroe St
17:30	arrived low water, install HOBO
18:00	Arrive at Candu, observe operations
19:44	Candu secured, receiving samples
20:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/24/2013

Operating Day: 1
Standby Day:
Overtime (Hrs): 1.5

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:15	arrive at CPG, run crew to boat
8:30	depart for Candu
11:00	deliver spare barrel to Wildu, retreive samples
14:00	return to dock
15:00	prep for probing, waiting on Candu return
17:04	offloading samples
17:45	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/25/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:30	arrive at CPG, run crew to Cnadu
8:20	Setup NAV for probing
11:05	client reps arrive, depart for 3rd River
14:05	arrive at Candu for sample pickup
15:10	arrive at CPG, offload samples
17:05	offload crew and samples from Candu
17:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.

129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/26/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1.75

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:15	arrive at CPG
8:45	deliver supplies to Candu
11:50	depart to pickup samples from Wildu
12:23	offload samples
12:58	depart to Candu
14:52	offload samples
15:30	assist with equipment blank
16:00	offload Wildu cores
17:38	Offload personnel and samples from Candu
18:00	End of Day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/27/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:15	arrive at dock, transport Candu crew to mooring
7:00	begin transporting cores and personnel
16:30	boat secured at dock, end of day
	3.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/28/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/29/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down
	3.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 9/30/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13cs061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:30	arrive at dock, trnasport Canduy crew to mooring
7:30	begin transporting personnel and samples
15:30	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/1/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
7:15	arrive at dock, transport Candu crew to mooring
8:00	begin transporting personnel and samples
15:30	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/2/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
7:00	arrive at dock, transport Candu crew to mooring
8:00	begin transporting personnel and samples
16:30	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/3/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:00	arrive at dock, transport Candu crew to mooring
7:00	begin transporting personnel and samples
17:00	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/4/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
7:15	arrive at dock, transport Candu crew to mooring
7:40	begin transporting personnel and samples
14:30	vessel secured,
	2.5 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/5/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/6/2013

Operating Day: ______
Standby Day: ______
Overtime (Hrs): ______

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down
	3 Hours travel

OSI Project Manager: ______________

Authorized Client Representative: ______________

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/7/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:50	At CPG dock. Assist Wildu & Candu.
7:30	At CPG office.
8:00	Fuel run.
8:43	Underway to Candu.
10:09	At dock. Pick up client.
10:15	Underway to Wildu.
11:23	At dock. Unload cores.
11:35	Secured for weather.

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/8/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:20	At CPG dock. Assist vessels.
7:20	Fuel run.
7:35	Haul out mooring anchors.
8:00	At CPG dock.
9:45	Underway to Candu & Wildu.
12:04	At dock. Offload cores.
14:00	Underway to Wildu.
15:10	At dock, offload cores.
15:25	Clean hauled out ground tackle. Move to head of dock.
16:00	Assist Candu.
6:30	Vessel secure.

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/9/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
7:00	At CPG dock.
7:46	At CPG office.
8:18	Fuel run.
10:42	Underway to Wildu & Candu.
11:58	At dock. Offload cores.
12:35	Underway to Wildu & Candu.
14:45	At dock. Offload cores.
16:30	Assist Wildu. Offload cores.
17:00	Vessel secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/10/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
8:00	At dock.
8:35	Underway . Delivery to Candu.
9:35	At dock
9:55	At CPG office.
10:40	Underway to Wildu.
11:15	At Candu.
12:02	Back to Candu. Pick up Oversight.
13:02	At dock. Drop off Oversight.
13:03	Underway to Wildu & Candu.
14:32	At dock. Offload cores.
16:20	Assist Wildu in offload.
16:45	Vessel secured.

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/11/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:35	At CPG dock. Assist Wildu & AECOM.
7:20	At CPG office.
7:35	Fuel run.
8:05	Load Skiff for tide stations.
8:27	Underway.
10:40	At dock. Drop off clients.
10:43	Underway to Candu.
11:19	At dock. Drop off clients.
13:10	Underway to Wildu & Candu.
14:14	At dock. Offload cores.
14:25	Offload complete.
14:55	Assist Wildu offload.
15:30	Vessel secured

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/12/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/13/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down
	3 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/14/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
7:00	arrive at dock
8:00	begin transporting client reps and samples
16:30	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/15/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:30	arrive at dock
7:30	begin transporting client reps and gear
16:00	boat secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/16/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skiff

Time	Activity
6:50	At dock. Assist vessels.
12:08	Underway to Wildu & Candu.
13:04	At dock. Offload cores.
13:16	Underway to retreive Candu shore gear.
14:08	Pick up oversight.
14:28	At dock.
16:35	Vessels secured, end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/17/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skimmer

Time	Activity
6:50	At dock.
8:51	Underway for tide station inspections.
11:39	At dock.
12:09	Underway to Candu.
12:44	At dock.
12:55	Underway to pick up oversight.
13:25	At dock.
16:40	Vessel secured.

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/18/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: CEC
Survey Vessel: Skimmer

Time	Activity
6:55	At dock. Assist vessels.
8:06	Underway for tide stations.
12:15	At dock.
15:20	Vessel secured.

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/19/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB
Survey Vessel: skiff

Time	Activity
	Weekend Stand Down

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/20/2013

Operating Day: _____
Standby Day: _____
Overtime (Hrs): _____

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB
Survey Vessel: Skiff

Time	Activity
	Weekend Stand Down
	4 hours travel

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/21/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: JRP
Survey Vessel: Skiff

Time	Activity
6:30	arrive at dock
7:00	cast off
16:20	tied up at CPG
16:30	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/22/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1.75

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB, JBD
Survey Vessel: Skiff

Time	Activity
7:00	arrive at dock
7:20	cast off
15:45	tied up at CPG
15:50	cast off for stilling well investigation
18:34	tied up at CPG
18:45	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/23/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs): 1

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB
Survey Vessel: Skiff

Time	Activity
7:00	arrive at dock
7:30	cast off
17:45	tied up at dock
18:00	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/24/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB
Survey Vessel: Skiff

Time	Activity
6:30	arrive at dock
7:08	cast off dock
16:35	tied up at cpg
16:45	end of day

OSI Project Manager:

Authorized Client Representative:

OCEAN SURVEYS, INC.
129 MILL ROCK RD EAST, OLD SAYBROOK, CT 06475
(860) 388-4631 FAX: (860) 388-5879

Date: 10/25/2013

Operating Day: 1.0
Standby Day:
Overtime (Hrs):

Client: AECOM
Project Title: LPR SSP 2
OSI Job #: 13es061
OSI Personnel: MDB
Survey Vessel: Skiff

Time	Activity
9:00	arrive at dock
9:30	cast off
16:00	cast off for hobo servicing
16:40	arrive at Pathmark
17:10	arrive at Rt 7
17:34	ariive at DeJessa
17:48	arrive at Rt 3
18:05	arrive at Union Ave
18:25	tied up at CPG
19:00	end of day

OSI Project Manager:

Authorized Client Representative:

FIELD LOGBOOK ID #

[illegible] - [illegible] - SSP2 - BOAT 1

- [illegible]

Rite in the Rain®

ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

№ 550

LOWER PASSAIC RIVER

DATES COVERED:

—

60145884 - 2013 - SSP2 - BOAT 1 - 01

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name HELEN JONES PARRY / GEMMA KIRKWOOD
AECOM
Address 250 APOLLO DRIVE
CHELMSFORD MA 01824
Phone 978-905-2100

Project LOWER PASSAIC RIVER
60145884 -
LOGBOOK START DATE:
LOGBOOK END DATE:

This book is printed on "Rite in the Rain" All-Weather Writing Paper – A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

$25 REWARD IF FOUND AND RETURNED TO AECOM

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Location LPR Date 9-23-13

Project / Client SSP II

60139067 P405

SAMPLING SEDIMENT UNDER SSP 2
CANDU - DEPART CPG DOCK

JASON DE LORENZO
MORGAN BARRETT
DAVID SMITH
DION LEWIS

SUNNY, CLEAR

MOBILIZE &
SAFETY BRIEF 16:00 0546 & 0547 x. [signature] 9/25/13
UNDERWAY TO STA ~~446~~ & ~~447~~ 20:18

FIRST STATION 133-~~0447~~-0547 x [signature] 9/25/13
ARRIVE 20:40
OVERHANGING TREES PRESENT POSITIONING CHALLENGE
ANCHOR POINTS VIA SHORELINE FEATURES & TREES

[signature]

Location LPR Date 9-23-13

Project / Client SSP 2

6013906? P405

13B-0547 - C1 (w/out Catcher)

Collect t 17:28

Water Z 9.5'

Pen 9.5' } Reject

Rec 2.75'

E 595024

N 723823

Dist to Target: ~~30~~ 14.8'

Retrieval 17:40

~ 3/4' or more Lost From Bottom when Core Broke Surface

-will attempt C2 with Core Catcher / anticipate mud bottom recovery

C2

Water Z 10.3'

Pen 9.5' } Accept

Rec 9.35' 98%

E 595022

N 723827

Dist to t: 18.7'

Collect t: 18:25

Location LPR Date 9-25-13

Project / Client SSP 2

6013906? P405

Ren/Nature observed @ Bank upon Retrieval

Core Packaged 18:50

Too Dark to Continue

Pull Anchor Lines & Return to CPG Dock 19:55

Arrival Following Mooring off CPG Dock

Arrive CPG Facility 20:00

Transfer Core Sections

End of Records 9-23-13

6

Location LPR Date 9/24/13

Project / Client SSP 2

60139067 P405

AT CPG LOOK FOR SUPPLY

TRANSFOR 07:00

SUNNY, CLEAR

ALL ABOARD 07:15

INCL. SEAN O'HARE / CDM

OVERSIGHT

H+S BRIEF @ 07:15

DEPART CPG DOCK @ 07:20

GRAB SAMPLER DEPLOY COMPLETE 07:40

UNDERWAY TO SM 133-0547

ARRIVE @ SITE ANCH 08:00

WEATHER: SUNNY, CLEAR

CALM, COOL

ANCHORS SET

E 595016

N 723820

~ 16' FROM Y

7

Location LPR Date 9/24/13

Project / Client SSP 2

60139067 P405

133-0547-C3

WATER Z: 10.9'

E 595016.67 595016.67

N 723826.30 GE 723826.66

COLLECT: 08:35

ACCEPT

PEN 9.5' 8.25

REC 9.4' 99% REC

DIST TO X 18.4

C4 (TO COVER EPA SPLIT)

WATER Z 10.0'

E

N

COLLECT

DIST TO X

PEN

REC

EQUIP MALFUNCTION - NOT COLLECTED

AT 5.5' GRAB MALFUNCTION

RETRIEVE W/OUT CLOSURE

SWITCH TO GRAB SAMPLING

Location LPR Date 9/24/13

Project / Client SSP 2

60.39067 P405

13B-0547-G1

WATER Z: 10.9'
E 595015
N 723815
COLLECT t 9:50
DIST TO X: 9.5
FULL GRAB / ACCEPT
VOCVE
VFINE SPC SEDIMENT
H_2S 1
O_2 21.7
VOC Ø
CO Ø
LEL Ø

- NO O_2 I/FACE OBSERVED
- MED BROWN COLOR
- V FINE TEXTURE, NO COARSE MATL OBSERVED

Location LPR Date 9/24/13

Project / Client SSP2

60.39067 P405

10:45 GRAB SAMPLER
DECON COMPLETE FOR NEXT STA

UNDERWAY TO 13B-0546 TO COLLECT GRAB (NO CORES REQ'D) 10:55

13B-0546-G1

WATER Z: 17.3'
E 594806.72 REJECT
N 723787.75
COLLECT t 11:02 ROCK IN JAWS
DIST TO X

G2

WATER Z (17.3) H_2S 1
E 594816.54 O_2 21.5
N 723771.24 VOC 1.3
COLLECT t 11:08 CO 1
DIST TO X: 18.3 LEL 0

10

Location SSP 2 / LPR Date 9/24/13

Project / Client SSP 2

60139067 P405

13B-0546-G2

(CONTINUED)

No O_2 I/FACE OBSERVED

MED BROWN COLOR

V FINE MATERIAL WITH VEGETABLE MATTER THROUGHOUT

FISHING LURE ALSO OBSERVED

RETURN TO CPG LOCK FOR VC EQUIPMENT REPAIR

ARRIVE CPG LOCK 12:07

REPAIRS COMPLETE / VC HEAD CHAMBER OUT W/ LIDS 13:08

DEPART CPG LOCK 13:10

11

Location LPR Date 9/24/13

Project / Client SSP 2

60139067 P405

ARRIVE 13B-0550-C1 13:40

9/24/13

DIFFICULT ANCHORING SITUATION - USED SHORELINE TREES AS 2 ANCHOR POINTS

POSITIONING / ANCHORING COMPLETE 14:05 W/ TARGET DESTINATION ABOUT 12'

9/24/13

13B-0550-C1 13B-0551-C1

WATER Z: 6.8'

COLLECT t: 14:20

E 596614.52

N 725604.42

PEN 6') 52.5%

REC 3.15'

DIST TO X: 11.6' -RETAINED

VERY HARD (REMORSE?) UPPER SURFACE

- NATIVE ENCOUNTERED

BUT V. POOR REC -

Location LPR Date 9/24/13

Project / Client SSP 2

6013967 · P405

13B-0551-C2 (Re-positioned)

Water Z: 5.0'
Collect t: 15:02
E 596621.15
N 725599.28
Pen 1.8') Accepted
Rec 1.55'
X to STA: 3.6

86% Rec

Refusal at 1.8'
Dark / non-native at
VC cone upon retrieval

- Re-positioned or Re-attempt for
~~C2~~ C3

9/24/13 [initials] X-#

Corrected from OSI 9/25/13 DAL

Coord from OSI

Water Z: 8.0'
Collect t: 15:40
E ~~596601~~ 596600.70
N ~~725588~~ 725588.06
Pen 4.4'
Rec 2.0'
X to STA: 23.2

600.7
88.06

45%

Retained

Location LPR Date 9/24/13

Project / Client SSP 2

6013967 P405

13B-0551-C3 (continued)
. Refusal at 4.4'

13B-0551-G1

Coord from OSI

Water Z 4.5'
Collect t 16:05
596606.56 E : ~~596601~~ (Approx) ✓ OSI
725582.15 N : ~~725588~~ "
21.1' Dist to X:
Corrected fr OSI record [initials] 9/25/13

Reject
Rockin Jaws

G2

Collect t 16:10
596613.77 E 596601 (Approx, ✓ OSI)
725580.55 N 725588 " Retained
17.7 Dist to X:

H_2S 1.0
O_2 21.7
VOC 1.6
CO ∅
LEL ∅

✓ Coarse
Mat'l

Sticks / Glass /
Brick chunk
Debris

Location LPR Date 9/24/13

Project / Client SSP 2

60139067 - P405

G3

Collect t: ~~#~~ 16:30

Water z: 5.3

E 596599.59

N 725587.44

Dist to X 24.4

CO	Ø	V. Coarse
O_2	21.7	Glass & debris
VOCs	Ø	observed
H_2S	Ø	

Underway to CPG dock

v.t. ~~20:45~~ 16:45

9/24/13

Moored & to transfer

vessel 17:25

Arrive CPG dock 17:30

Location LPR Date 9/24/13

Project / Client SSP 2

60139067 . P405

Cores / Grabs transferred directly to P. Winchell at GPG facility ~17:45

Considerations for 9/25 sampling:

510
533
550 (High tide)
562 (Grab only)

} High priority

Liners decontaminated for 9/25/13 ops

End of 9/24/13 Record

Location LPR Date 9/25/13

Project / Client SSP 2

60139067 P405

25 Sept 13

PID Cal'd @ Facility } 06:30-7
Mat'l Transfer

CPG Dock at 7:15
Safety Brief 7:20
Depart Dock at 7:30

Weather Sunny, ~ Clear, Cool

Candu w/ Jason DeLorenzo } OSL
Morgan Barrett
Dion Lewis } APCOM
David Smith
Sean O'Hare - CSM/EPA
Oversight

Underway to Station 0510
Grab Sampler Decon Complete
Arrive at 0510 Area 08:10

Location LPR Date 9/25/13

Project / Client SSP 2

60139067 P405

13B-0510-C1
Location is directly
Adjacent to sheet pile wall
(Likely Rip/Rap at base?)

Vessel anchored to wall / tied off
About 1' from target 08:40

C1

Water Z: 8.9'
Collect E: 9:00
E 590067.16
N 712573.89
Distance to X 2.9'
Pen 9.5'
Rec ~~7.5'~~
① Update: 7.1'
Native observed at cone tip

79% REC
75%

Accept

① Noted 0.4 Void @ 5.8' after Review

Native
} Void 0.4'
~ Gravel
Native

18

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P405

13B-0510-C2

WATER Z: 10.5'
COLLECT: 9:45
E 590069.53
N 712573.18
DISTANCE TO X 3.9'
PEN 0.8' / REFUSAL
REC Ø - ROCK IN CORE

Reload

C3

WATER Z 10.9'
COLLECT 10:00
E 590071.26
N 712572.81
DISTANCE TO X: 5.1'
PEN 9.5'
REC 7.6'

Attempt Soil Rec

- TO ATTEMPT INC VOL FOR EPA SPLIT, WILL ATTEMPT ANOTHER 0510 CORE (C4) PER H. JONES

19

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P504

13B-0510-C4

WATER Z: 11.5'
COLLECT: 10:35
E 590064.91
N 712566.39
DIST TO X: 10.7
PEN 2'
REC 2 TOO SMALL FOR VOL ANALYSIS

Reject

13B-0510-G1

WATER Z 11.9'
COLLECT 10:45
E 590064.05
N 712568.61
DIST TO X 9.5'

Reject

G2 COLLECT: 10:50
E 590068.20
N 712569.44
X DIST: 7.2'

Reject Rock & Jaws

Location LPR Date 9/25/13

Project / Client SSP 2

60139067 P ~~504~~ 405

x# [illegible]

13B-0510-G3

Collect t 10:52

E 590072.40

N 712572.38

X Dist 6.2'

Reject Rock at Jaws.

Disengage Vessel & Secure equipment & underway to ~~0500~~ 0550

✓ High tide missed

Bridge clearance (15 min?)

Review Alan stations, discuss 0528 w/ H. Jones at mix flat area - should be good opportunity

Underway to 0528

Arrive at 13B-0528, anchored at 11:40

Location LPR Date 9/25/13

Project / Client SSP 2

60139067 P 405

Sean O'Hare departs onto Chase Boat 11:45

Data transfer to H. Jones on Chase Boat

VC set up & sta prep 11:50

13B-0528-C1

Water Z: 12' (12.0)

Collect t: 12:05 (96.25)

E 592096.25

N 718844.47

X Dist 3.0'

Pen 9.5' 95%

Rec 8.8'

Reject (no native)

* Did not reach native - switch to 20' barrel before coring at 0528

Re-position and attempt 0530

Location LPR Date 9/25/13

Project / Client SSP 2

60139067 P405

TO 13B-0530-C1

WATER Z: 15.5

COLLECT: 13:00

E 5920600.74

N 718937.42

X DIST 5.4'

PEN 9.5'

REC 9.5'

100% REC ACCEPT

C2

WATER Z: 15.7'

COLLECT: 13:35

E 5920555.26

N 718940.55

X DIST 2.9'

PEN 1.5' / REFUSAL

REJECT REC

Location LPR Date 9/25/13

Project / Client SSP 2.

60139067 P405

13B-0530-C3

WATER Z 15.4'

COLLECT 13:50

E 5920549.90

N 718937.50

X DIST: 0.5'

PEN 7.0'

REC 7.3'

ACCEPT

*APPARENT OVER-RECOVERY DUE TO SOFT SURFACE (LIKELY) INITIAL LASER MEASUREMENT LIKELY OVER-ESTIMATE

TRANSFER VESSEL ARRIVES ~14:00 - STA 0510 COMES TRANSFERRED, STA DATA 0530 TRANSFERRED

14:30 TRANSFER VESSEL DEPARTS W/ SR STAFF & EPA OVERSIGHT (CDM)

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P405

13B-0530-C4 TO BE COLLECTED FOR EPA SPLIT MATERIAL

C4

WATER Z: 15.5'

COLLECT T: 14:50

E 592053.74

N 718933.92

X LIST 4.1

PEN 7.0' } ACCEPT

REC 5.6'

- NATIVE AT BASE
- SINGLE CORE SECTION

RETAINED ~ 4.6' AS BREAK POINT WAS CLEARLY WITHIN NATIVE SEDIMENT - REW CLAY RICH STRATA

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P405

13B-0530-G1

WATER Z: 15.4'

COLLECT T: 15:15

E 592051.17

N 718935.45

X LIST: 4.6'

~~H_2S~~ ~~VOC~~ ~~CO~~ ∅ RECOVERY

G2

- WATER Z: 15.4'

COLLECT T: 15:32

E 592048.99

N 718930.07

X LIST 6.6'

0.5' RECOVERY

H_2S 1.0

VOC 0.4

CO 0.0

PLASTIC & LEAF MATTER AT BASE IN JAWS

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P405

13B-0530-C4 TO BE COLLECTED FOR EPA SPLIT MATERIAL

C4

WATER Z: 15.5'

COLLECT T: 14:50

E 592053.74

N 718933.92

X LIST 4.1

PEN 7.0' } ACCEPT

REC 5.6'

- NATIVE AT BASE
- SINGLE CORE SECTION

RETAINED ~ 4.6' AS BREAK POINT WAS CLEARLY WITHIN NATIVE SEDIMENT - REW CLAY RICH STRATA

Location LPR Date 9/25/13

Project / Client SSP2

60139067 P405

13B-0530-G1

WATER Z: 15.4'

COLLECT T: 15:15

E 592051.17

N 718935.45

X LIST: 4.6'

~~H_2S~~ ~~VOC~~ ~~CO~~ ∅ RECOVERY

G2

- WATER Z: 15.4'

COLLECT T: 15:32

E 592048.99

N 718930.07

X LIST 6.6'

0.5' RECOVERY

H_2S 1.0

VOC 0.4

CO 0.0

PLASTIC & LEAF MATTER AT BASE IN JAWS

Location LPR Date 9/25/13

Project / Client SSPZ

60139067 - P405

13B-0530-G2 (CONTINUED)

DESCRIPTION:

VERY FINE AT SURFACE

MEDIUM DARK / BROWN COLOR

SMALL PLASTIC / DEBRIS

OBSERVED AT SFC

DENSITY I/FACE NOTED

~3" W/ SLIGHTLY MORE

COARSER MATL

STATION COMPLETE 15:50

EQUIPMENT BREAKDOWN

(DISASSY) UNTIL CREW UNITS

FOR TIME TO ALLOW RETURN

TO CPG DOCK

MAST DOWN 16:15

RETRIEVE ANCHORS & UNDERWAY

TO PARK AVE BRIDGE

16:20 CLEARED BRIDGE (20.5')

& UNDERWAY TO CPG

Location LPR Date 9/25/13

Project / Client SSPZ

60139067 P405

ARRIVE CPG DOCK AREA 16:50

AND BEGIN MOORING PROCESS

TRANSFER VESSEL W/ SAMPLES

TO CPG DOCK 17:20

SAMPLES TRANSFERRED 17:25

TO NATHAN PINKER

END OF

RECORD

9/25/13

Location LPR Date 9/26/13

Project / Client SSP 2

60139067 P405

SEDIMENT SAMPLING, CANDU
FOR 26 SEPT 13

ABOARD
JASON DELORENZO
MORGAN BARRETT
DION LEWIS
DAVE SMITH
SEAN O'HARA ARRIVED 07:10
CONDITIONS: OVERCAST, COOL

VESSEL STOCKED w/ SUPPLIES
SAFETY BRIEF @ 07:10
DEPART CPG DOCK 07:15

UNDERWAY TO 0504
GRAB SAMPLER DECON
COMPLETE 07:35

BARGE TRAFFIC AT 10.9 AREA
DREDGING UNDERWAY - NO
CHANNEL RESTRICTION
ENCOUNTERED

Location LPR Date 9/26/13

Project / Client SSP 2

60139067 P405

PASSED PARK AVE BRIDGE
w/ 1' CLEARANCE BENEATH GROSS
SUPPORTS 07:45

RUTGERS ST / RTE 506 BR
CLEARANCE ~2.5' AT 07:55

12B-0504-C2 (C1 COLLECTED BY WILDE)
- ANCHORS SET
- 20' BARREL LOADED
- READY TO CORE 8:45

WATER Z 8.3'
COLLECT E 8:55
E 587278.95
N 706062.20
X DIST 11.2
PEN 15'
REC 12.8'

85% REC

ACCEPT

FOLLOWING CORE RETRIEVAL -
REPOSITION TO DEEP WATER
TO ALLOW PROCESSING
BATHY "HOLE" FOUND ~18' 09:10

Location LPR Date 9/26/13

Project/Client SSP2

60139067 P405

13B-0504-C2 (CONTINUED)

- NAPLE APPARENT AT BASE
- CORE PROCESSING COMPLETE AT 10:00
- NAPLE APPEARS TO BE AT ABOUT 10.5'-11'

RETURN TO SITE FOR C3 ATTEMPT

13B-0504-C3

WATER Z: 7.9'
COLLECT T: 10:35
E 587275.11
N 706062.03
X LIST 7.5'
PEN 5.8' / REFUSAL
REC ~3.5'

APPARENT ROCK ENCOUNTERED 5.8', WILL CLEAR BARREL & RE-TRY AS - C4

Location LPR Date 9/26/13

Project/Client SSP2

60139067 P405

13B-0504-C4

WATER Z 11.4'
COLLECT T 11:00
E 587283.99
N 706059.88
X LIST 16.6
PEN 13.8'
REC 12.7'

- VESSEL REPOSITIONED FOR PROCESS
- RETURN TO SITE FOR GRAB:

13B-0504-G1

WATER Z: 13.1'
COLLECT T: 12:00
E 587272.58 (272.58)
N 706000.56
X LIST 5.6'

VOC 2.2 ppm 0.5' RECOVERED
CO 2.3
H_2S 1

Location LPR Date 9/26/13

Project / Client SSPZ

60139067 P405

13B-0504-G1 (CONTINUED)

- MEDIUM BROWN COLOR
- DENSITY INTERFACE ~ 2"
- NO O_2 I/FACE OBSERVED
- MINOR AMOUNT OF VEGETABLE MATTER OBSERVED (LEAVES)
- NO DEBRIS OBSERVED
- NO COARSE MATERIAL OBSERVED
- INTERMITTENT BLACK/BROWN

RE-POSITION TO STA 0505

POWER GRAB RECON COMPLETE

GRAB SAMPLE ATTEMPT 1ST FOR EQUIPMENT EFFICIENCY / AVOIDING SWITCH-OVER

13B-0505-G1

WATER Z 19.9'

COLLECT T 13:11

E 587336.14

N 706028.63

X DIST 4.3

Location LPR Date 9/26/13

Project / Client SSPZ

60139067

G2

WATER Z 19.9

COLLECT 13:12

E 587333.33

N 706033.11

X DIST 5.4

VOC 2.2

CO ϕ

H_2S ϕ

O.E' REC

- BROWN COLOR
- NO O_2 I/FACE OBSERVED
- MINOR VEGETATION / LEAVES
- NO DEBRIS OBSERVED
- V. FINE MATERIAL
- DENSITY I/FACE AT ~ 6"

Location LPR Date 9/26/13

Project / Client SSP 2

60139067 P405

13B-0505-C1

WATER Z 20.0'
COLLECT 13:35
E 587339.04
N 706030.05
x DIST 1.3
PEN 7.6' ①
REC 7.3 ACCEPT

96% REC

① REFUSAL AT 7.6'

- SAMPLES (0504) TRANSFERRED
- C2

WATER Z 20.2'
COLLECT 14:22
E 587347.66
N 706029.62
x DIST 9.3'
PEN 5.2' *
REC REC 6

115% REC

* POSSIBLE DEPTH OF WATER OVERESTIMATE W/ SOFT SURFACE

Location LPR Date 9/26/13

Project / Client SSP 2

60139067 P405

RETURNING TO CPG DOCK 14:50
ARRIVE RUSKIN'S PT BRIDGE ~15:20
WITH PLANNED / SCHEDULED LIFT 15:30

BRIDGE RAISED 15:25 +
CONTINUED TO CPG DOCK

ARRIVE PMC AND BRIDGE 15:40
CLEARANCE INSUFFICIENT
(LE JESSA BRIDGE)

17:00 - CLEARED LE JESSA BRIDGE.
RETURNING TO CPG DOCK

ARRIVING CPG DOCK AREA 17:25
17:30 SAMPLE TRANSFER BOAT ARRIVES
17:38 SAMPLES 0505 TRANSFERRED
17:50 CPG DOCK OFF-LOAD

END OF RECORDS
9/26/13

Location LPR Date 9/27/13

Project / Client SSP2

60139067 P405

LPR SEDIMENT SAMPLING AND EB COLLECTION 27 SEPT 13

07:25 DEPART CPG FACILITY w/ EB GEAR & EXPENDABLES

07:40 SAFETY BRIEF ON BOARD

09:15 GRAB SAMPLE EB COMPLETE (COMMENCED 08:00)

BEGIN CORE EQUIPMENT BLANK COLLECTION 9:30

10:15 COMPLETE

CANDU PERSONNEL:

JUDY DELORENZO

MORGAN BARRETT

DION LEWIS

DAVE SMITH

SEAN O'HARE (OVERSIGHT)

UNDERWAY / DEPART CPG DOCK 10:35

Location LPR Date 9/27/13

Project / Client SSP2

60139067 P405

1ST TARGET STATION: 13B-0562 (GRAB ONLY)

WEATHER: SUNNY

13B-0562-G1

ON STA 10:45

WATER Z 11.3'

COLLECT E 10:50

E 597453.26

N 735793.33

70% REC x DIST 4.1

RECOVERY 0.3'

PRE

↓	H_2S	Ø
1.7	VOC	2.2
3	CO	4

SANDY MATERIAL / VERY COARSE

DEBRIS PRESENT (WOOD)

NO O_2 INTERFACE OBSERVED

FAINT SULFIDE (?) ODOR

DARK GREY / BLACK MATERIAL

VEGETABLE MATTER (LEAVES)

THROUGHOUT

ALSO SMALL WHITE CLASTS ?-0.25" DIA 1/8-1/4"

COMMON

Location LPR Date 9/27/13

Project / Client SSP2

60139067 P405

13B 0562-G2

WATER Z 12.0'
COLLECT C 11:20
E 597465.00
N 735801.54

80% REC X DIST 15.3'
RECOVERY = 0.4'

H_2S Ø
VOC Ø
CO HIGH (BACKGROUND)

DARK BROWN / GRAY COLOR
VERY COARSE GRAINED
VEGETABLE MATTER PLENTIFUL
DEBRIS OBSERVED
COKE CAN
GLASS
PLASTIC
LARGE ROCK CLASTS (0.25-1.5" DIAMETER - MULTI-COLORED)

Location LPR Date 9/27/13

Project / Client SSP2

60139067 P405

GRAB SAMPLER DECON
COMPLETE 11:50
ON STATION 13B-~~0~~ 0560-G1 9/27/13

WATER Z: 13.3'
COLLECT C: 11:58
E 597079.52 (079.52)
N 734180.47 (180.47)
X DIST: 2.4

H_2S 2
VOC Ø
CO Ø

BROWN COLOR
SMALL DEBRIS AT SURFACE
WOOD,
VEGETABLE MATTER / LEAVES
DISTINCT WHITE CLASTS
WASHOUT AT JAW ON ONE SIDE

PLAN VIEW

WASHOUT (SMALL) AVOIDED

SAMPLING WASHOUT AREA
AFFECTS NO MORE THAN 5% SITE AREA

Location LPR Date 9/27/13

Project/Client SSP2

60139067 P405

PGNOR GRAB CHANGE-OUT 12:20, VC EQUIPMENT TO THE CABLE

138-0560-C1

WATER Z 14.2'
COLLECT E 12135
E 597076.47
N 734181.75
X DIST 1.8'
PEN 6.4' REFUSAL
REC 6.2'
97%

BLACK, STICKY / CLAY RICH MATERIAL AT CORE TIP UPON RETRIEVAL

VERY HARD PACKED CLAY AT CORE BOTTOM / CUT

Location LPR Date 9/27/13

Project/Client SSP 2

60139067 P405

138-0560-C2

WATER Z 14.8
COLLECT E 13:15
E 597074.62
N 734176.66
X DIST 4.2'
PEN 8.9' (REFUSAL+)
REC REC 10'
112%

LOWER 1' INTERVAL CORING MAY HAVE RESULTED IN UPPER CORE EXPANSION

C3

WATER Z: 15.3'
COLLECT E: 14:00
E 597079.84
N 734177.33
X DIST 3.8'
PEN 6.5' REFUSAL
REC 6.8
105%

Location LPR Date 9/27/13

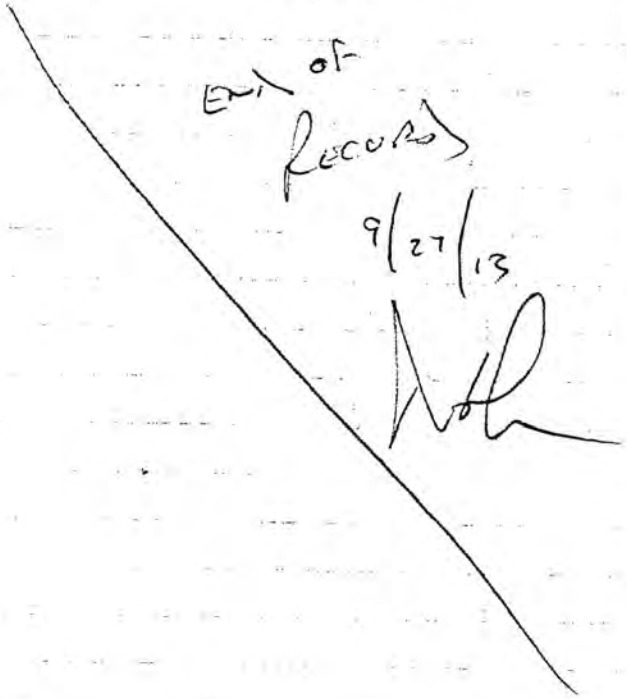
Project / Client SSP 2

60139067 · P405

STATION / EQUIPMENT SECURE
ANCHORS UP & TO MOORING
14:30

SAMPLES TRANSFERRED TO
NATHAN 15:15

END OF
RECORD
9/27/13



Location LPR Date 9/30/13

Project / Client SSP 2

60139067 - P405

30 SEPT 13 SSP2 SAMPLING
ABOARD CANAL

ON-BOARD:
JASON DE LORENZO
JEFFREY PYDESKI
DICK LEWIS
CHANNING HAWKINS
PATRICK CONNELLY - PART DAY
OBSERVER / CAM

WEATHER: CLEAR, SUNNY, COOL

DEPART CPG DOCK 07:45
HEALTH & SAFETY BRIEF 07:46
WITH DISCUSSION OF OPS - PINCH
POINTS, LINES, MAN-OVERBOARD
PROCEDURES, SUNSCREEN, HYDRATION
SEE H&S FORM

NEAR/ON STA 0561 08:00
GRAB SAMPLER DECON
COMPLETE 08:10
SETTING ANCHORS 08:15

Location LAR Date 9/30/13

Project / Client SSPZ

60139068-P401

13B-0561-C1

WATER Z 5.7'
COLLECT 08:40
E 597549.19
N 735460.94
X DIST 8.9
PEN 8.0'
REC 7.7'

C2

WATER Z 4.8'
COLLECT 9:20
E 597549.42
N 735462.76
X DIST 8.6'
PEN 9.5'
REC 8.7'

Location LPR Date 9/30/13

Project / Client SSPZ

60139067 6405

13B-0561-G1

WATER Z 4.1
COLLECT 9:45
E 597548.98
N 735464.10
X DIST 8.2'

G2

WATER Z 5.9'
COLLECT 9:50
E 597542.73
N 735460.29
X DIST 15.1

G3

WATER Z 7.2'
COLLECT 9:53
E 597538.32
N 735458.39
X DIST 19.9

Location LPR Date 4/30/13

Project / Client SSPC

60139067 - P405

PID 13B-0561-G3

VOC: 1.0 BACKGROUND 1.4 @ SRC

H_2S ϕ

CO 3

~70% Recovery

NO O_2 I/FACE OBSERVED

BROWN COLOR

FINE SAND

ROOTS

NO LIVE BIOLOGICAL

GRAB SAMPLE COMPLETE TO WEST TO STA 0559

13B-0559-G1

WATER Z: 12.0'

COLLECT: 11:00

E 596739.95

N 732540.33

X-DIST 8.4

Location LPR Date 4/30/13

Project / Client SSPC

60139067 P405

(13B-0559-G1)

PID

H_2S ϕ

VOC ϕ

COLOR: GRAY

FINE SAND W/ SILT

MINOR AMTS ROOT / PLANT MAT'L

NO O_2 I/FACE OBSERVED

NO ODORS OBSERVED

13B-0559-G1

WATER Z 11.8'

COLLECT 11:38

E 596744.78

N 732559.90

X DIST 4.7'

THK. PEN 8.0' REJECT

REC 5.95'

1' FREEBOARD W/OUT VL

Location LPR Date 9/30/13

Project / Client SSP 2

60139067 · P405

13B-0559-C2

WATER Z 11.8'
COLLECT t 12:00
E 596739.79
N 732535.50
X-DIST 7.2
PEN 10.0'
REC 9.0'

0561 SAMPLES TRANSFERRED 12:35 *

C3

WATER Z 11.8
COLLECT t 13:08
E 596742.68
N 732534.37
X DIST 4.5'
100% REC PEN 6.5' REFUSAL
REC 6.5'

VERY HARD PACKED MY BASE (CLAY)

* ALSO P. CONNOLLY DEPARTS CANDU WITH SAMPLES VIA TRANSPORT VESSEL

LPR 9/30/13

SSP 2

60139067 P405

EPA SPLIT REQUESTED = C4

C4

WATER Z 11.9'
COLLECT t 13:53
E 596746.04
N 732534.51
X-DIST 1.5
84% REC PEN 9.5'
REC 8.0'

STATION COMPLETE
ANCHORS RETRIEVED
UNDERWAY TO CPG 14:25

14:50 TRANSPORT BOAT
RETURNS TO CPG DOCK AREA

SAMPLES TRANSFERRED
FERRY TO CPG DOCK & UNLOAD
15:15

END OF RECORD 9/30/13

Location LPR Date ~~9/30/0~~ 10/1/13

Project / Client SSP2 X-ENTRY

60139067 P405 10/1/13

1 OCTOBER 2013 - SSP2

SURVEY ABOARD OSI/CANDU

ABOARD: JASON DeLORENZO
JEFF PYRESKI
DAN LEWIS
CHANNING HAWKINS
PATRICK CONNOLLY - CDM/EPA
OVERSIGHT (ABOUT 1/2 d)

WEATHER: SUNNY/CLEAR, CALM

HEALTH + SAFETY - SEE FORM 07:45

DEPART CPG DOCK 07:50
UNDERWAY TO STATION 0572

SETTING ANCHORS 08:15
VERY CLOSE TO SHORE,
SHORELINE ANCHOR POINTS
(TREES) USED

GRAB SAMPLER DECON COMPLETED
08:15

Location LPR Date X-ENTRY 10/1/13

Project / Client SSP2 10/1/13

60139067-P405

133-0572-C1

WATER Z 9.8'
COLLECT E 8:35
E 596599.47
N 731693.04
X-DIST 10.9
94% PEN 8.5' (REFUSAL)
REC 8.0'

CORE SECTION SLIDING OBSERVED

|| DARK

|| NATIVE

|| - REDISH / COARSE SAND

✓ COARSE MAT'L AT BASE WAS DROPPING FROM CORE BASE @ RETRIEVAL & CREATED ~1' VOID BENEATH CLAY RICH NATIVE LAYER

RECOVERY CALC: (NEXT PG)

Location LPR Date 10/1/13

Project / Client SSP2

60139067 P405

Recovery Calc 13B-0572-C1

8.5' Pen

8.0' Rec { 9.0 Sed-water I'face
-1.0 Void at Base

8.5 Pen
8.0 Rec)

C2

Water Z 8.3'
Collect t 9:30
E 596605.14
N 731693.64
X-Dist 5.9
112% Rec Pen 7.0' Refusal
Rec 7.9

1/4" of Black Followed By Native. Sample Not Processed

With CDM Split Request

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 P405

Will try C3 and C4 only if non-native is present
P. Connelly Departs for Facility
13B-0572-C3

Collect Z 6.5' (Water Z)
Collect t 10:15
E 596605.01
N 731689.83
121% Rec X-Dist 9.2
~~112~~ Pen 2.9'
Rec 3.5'
10/1/13

0.05' non-native Black at SPC
→ C4 will not be collected

Equipment change-over to Power Grab

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 P405

13B-0572-G1

WATER Z: 7.6'
COLLECT t: 10:37
E 596601.40
N 731691.51
X-DIST 10.1

REJECT / ROCKS

X-ENTRY 10/1/13 ~~G3~~ G2

WATER Z: 8.1'
COLLECT t 10:42
E 596599.73
N 731693.72
X-DIST 10.4

REJECT RIP-RAP & BRANCH

G3

WATER Z 11.7
COLLECT t: 10:45
E 596587.95
N 731698.48
X-DIST 21.2

REJECT GRAVEL / WASHOUT

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 P405

GRAB SAMPLER DECON 10:50
ANCHOR / LINES RETRIEVED 10:55

UNDERWAY TO STA 0573 10:57

13B-0573-G1
ANCHORS SET 11:20

G1

WATER Z 15.7
COLLECT t 11:28
E 596727.79
N 733125.21
X-DIST 15.0

8" ROCK REJECT ϕ REC

G2

WATER Z 16.5'
COLLECT t 11:32
E 596738.88
N 733122.72
X-DIST 20.9

DEBRIS / TRASH IN JAWS ϕ REC

TRANSPORT BOAT ARRIVES P. CONNOLLY RETURNS

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 · P405

13B-0573-G3

1/2 is washout w/ debris in draw 50% Rec

WATER Z 16.6'
COLLECT t 11:38
E 596738.57
N 733124.22
X-DIST: 19.4'

VOC: 1.0-1.2
BACKGROUND ~ 1.0
BACKGROUND + GRAB 1.2

2 AVG SAMPLES COLLECTED
FINES AT SURFACE

BROWN COLOR
SILTY SURFACE,
COARSE SAND UNDERNEATH
DEBRIS PRESENT / PLASTIC +
ALSO STICKS PRESENT

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 · P405

13B-0573-C1

WATER Z 15.5
COLLECT t 12:12
E 596729.80
N 733124.86
X-DIST 15.5
107% PEN 9.1 (REFUSAL)
REC 9.7

THIN LAYER NON-NATIVE AT
SURFACE / MOSTLY NATIVE
ONLY TOP 3' RETURNED TO
FACILITY

SAMPLES TRANSFERRED 12:45
PATRICK CONNOLLY DEPARTS
WITH TRANSPORT VESSEL

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 P405

133-0573-C2

WATER Z 15.4

COLLECT E 13:08

E 596742.56

N 733125.64

X-DIST 21'

98% REC PEN 5.0' (NATIVE)

REC 4.9'

LONG SECTIONS OF NON-NATIVE / BLACK AT SURFACE

C3

WATER Z 15.3

COLLECT E 13:37

E 596744.47

N 733127.63

X-DIST 21.1

PEN ϕ

REC

Location LPR Date 10/1/13

Project / Client SSP 2

60139067 P405

REPOSITIONED & RE-ATT 1S C4 (CSM SPLIT REQUESTED)

WATER Z 15.2'

COLLECT E 13:45

E 596746.46

N 733127.47

X-DIST 22.8

102% REC PEN 5.5'

REC 5.6'

~1.3' TO NATIVE FROM SFC

WILL NOT COLLECT C5 TO ENSURE SPLIT/LWA VOL SUFFICIENT

STATION COMPLETE AS DISCUSSED W/ H. JONES 14:15

ANCHORS RETRIEVED & RETURN TO CPG DOCK AREA / ARRIVE 14:30

ARRIVE CPG, DOCK FOR DEMOBE 14:55

END OF RECORD 10/1/13

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

2 OCTOBER 2014 SSP2
SAMPLING ABOARD CANDU

EQUIPMENT / SUPPLIES ABOARD 07:25

PERSONNEL
JASON DeLORENZO
JEFF PYJESKI
DION LEWIS
CHANNING HAWKINS
PATRICK CONNELLY (CXM - 1/2 d)

WEATHER: CLEAR, COOL BUT WARMING

HEALTH & SAFETY DISCUSSION
7:40 - REFER TO H & S FORM

DEPART CPG DOCK 07:50
UNDERWAY TO STATION
13B-0574

ANCHORS / ANCHOR LINES TO SHORE
SET 08:10

Location LPR Date 10/2/13

Project / Client SSP2

60139067 P405

13B-0574 - C1

WATER Z 6.8'
COLLECT T 8:25
E 597009.00
N 734270.12
X-DIST 5.0
PEN 9.5
REC 8.4

88% REC

BLACK TO BASE, BUT CONE CONTAINED GRAVEL, THEN NATIVE AT DEPTH

9.5' PEN

CONE:
RED CLAY MATRIX } WITH NATIVE RED CLAY INTERBEDDED
← 0.3' GRAVEL/COBBLES

WILL PROCEED WITH C2 USING SAME BARREL, AND ATTEMPT PEN BEYOND 9.5'

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

13B-0574-C2

WATER Z: 6.5'

COLLECT t: 9:05

E 597010.16

N 734268.96

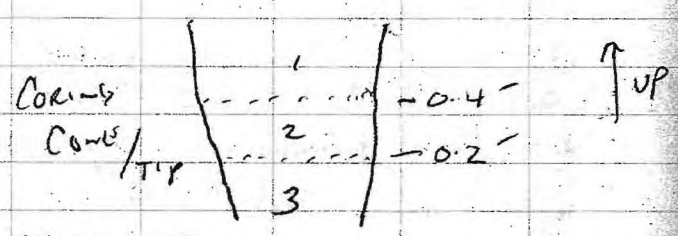
X-DIST 6.6'

89% REC PEN 10.0'

REC 8.9'

RED NATIVE MOTOR AT BASE OF CONE UPON RETRIEVAL

AT PROCESSING:



MATERIAL TYPE

1) COARSE SAND, FINE GRAVEL AND MEDIUM GRAVEL LAYER

2) COARSE SAND WITH REDDED "TINGE"

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

MATERIAL TYPE 3: DENSELY PACKED RED CLAY & FINE SAND

13B-0574-C3

WATER Z: 6.0' 6.1'

COLLECT t: 10:00

E 597013.27 012.80

N 734268.78 268.19

X-DIST 8.9' 8.9'

86% REC PEN 7.8' REFUSAL

REC 6.7

A BLACK

B NATIVE CLAY PLUG

C COARSE SAND FINE GRAVEL

W/ SMALL (RED) CLAY COASTS

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

13B-0574-C4

(FOR EPA DUP) 5.6'

WATER Z ~~6.6'~~ X-ENTRY

COLLECT E 10:32 10/2/13

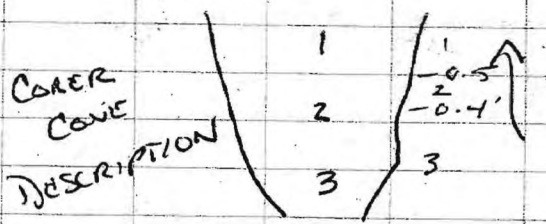
E 597014.62

N 734269.36

X-DIST 9.7

SIL. PEN 10.0'

REC 8.1'



1 COARSE SAND & GRAVEL WITH COBBLE, SOME REDISH COLOR W/IN MAIRIX

2 THIN LAYER LEN PACKED V. FINE SAND

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

3 THEN MIX OF GRAVEL COARSE SAND, FINE SAND AND SMALL CLASTS OF (NATIVE) RED CLAY INTERMIXED)

13B-0574-G1

WATER E: 5.1

COLLECT E: 11:03 X-ENTRY

WATER ONLY E 597006.34

N 734274.

REJECT X-DIST E.0'

E 597013.22

N 734270.32

10/2/13

G2

WATER Z 5.1

COLLECT E 11:06

ACCEPT E 597016.29

N 734266.81

X-DIST 11.4

SLUMPED ON 1 SIDE BUT RIVER BOTTOM CLEARLY SLOPING

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

13B-0574-G2 (CONTINUED)

PID READINGS

BACKGROUND VOC 0.6

@ GCAB 0.7 ppm

H_2S: 1

- GRAY/BLACK V. COARSE
- GLASS, WOOD, COBBLES
- ROOT/PLANT/LEAF MAT'L
- PLASTIC DEBRIS
- NO DISTINCT O_2 I/F NOTED

1 BUCKET COLLECTED - INSUFFICIENT VOLUME FOR 2 ⇒ G3 TO BE COLLECTED

G3

WATER ± 5.9'

COLLECT ± 11:20

E 597018.94

N 734267.25

± DIST 14.5'

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

PID: VOC: 0.2 (@ BACKGROUND)

H_2S: 0

GRAY COLOR, COARSE SAND

SOME GRAVEL SM-MEDIUM

GLASS PRESENT AGAIN

PLASTIC

LEAF LITTER

NO O_2 I/F OBSERVED

11:40 ARRIVE CPG DOCK

P. CONNOLLY DEPARTS

12:36 SAMPLES TRANSFERRED AT CPG DOCK, MAST DOWN

UNDERWAY TO 0558 12:40

ARRIVE ARM 12:45 / PAST BRIDGE AND RAISE MAST

12:52 PAT CONNOLLY RETURNS TO VESSEL

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

13B-0558 CANNOT BE CORED AT THIS TIME - WATER TOO LOW

UNDERWAY TO 0557 @ 13:05

GRAB SAMPLER DECON COMPLETE

13B-0557 ~~G1~~ G1 (COPTED GRAB ~~COMP~~ 1ST)

X-ENTRY 10/2/13 X-ENTRY 10/2/13

WATER Z: 11.8' (11.3)

COLLECT t: 13:42

E 596091.14

N 731131.35

X-DIST 6.9'

OVERLYING WATER DRAINING VERY SLOWLY - MOVE TO CORING WHILE GRAB SETTLES / WATER DRAINS (SEE NOTE PAGE 70)

PID: VOC: Ø H_2S: Ø

NO DEBRIS OBSERVED

GREY/GREEN COLOR

FINES WITH ROOT MAT'L

DENSITY I/F ~3" W/ MORE H

NO DISTINCT O_2 I/F

BUT TRANSITIONS TO DARKER MAT'L BELOW

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

C1 13B-0557-C1

WATER Z: 11.1 X-ENTRY 10/2/13

COLLECT t 13:58

E 596089.53

N 731127.81

X-DIST 8.5'

99% PEN 3.7' REFUSAL

REC REC 3.65'

BASE: RED TRACES W/IN COARSE MATRIX

PAT GONNELLY DEPARTS ON TRANSFER BOAT

HYDRAULIC LINES TO COOL FOR 10-15 MIN

C2

WATER Z: 9.5'

COLLECT t: 14:44

E 596085.55

N 7311~~31.35~~ 26.73

X-DIST 8.5' X-ENTRY 10/2/13

99% PEN 10'

REC REC 9.9'

NATIVE OBSERVED @ BASE

Location LPR Date 10/2/13

Project / Client SSP 2

60139067 P405

Anchors / lines up 15:20
Mast down & underway to
CPG Dock at 15:30

Return to moorings 15:40

Samples transferred to
transfer vessel 15:49

16:00 Arrive CPG Dock

Added note regarding grab
processing 13B-0557-G1:
- Grab collected 13:42
  overlying water noted
  set aside to drain
- Collected C-1 & processed
  noted water level below
  center region s/c sediment
- Collected AVS/SEM & PID data
- Collected C-2 & processed
  sediment still submerged
  beyond central mounded
  region (80% submerged)

Location LPR Date 10-2-13

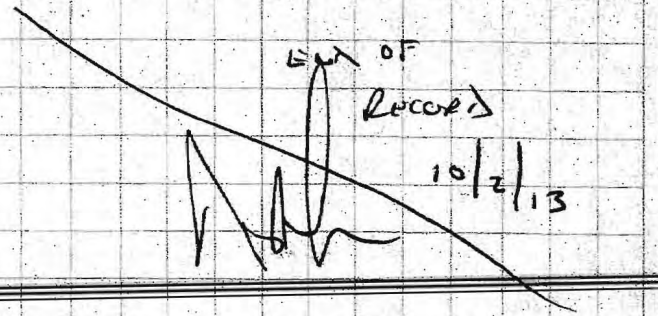
Project / Client SSP 2

60139067-P405

13B-0557-G1 processing
continued:
- used pre-cleaned tubing
(from CWCM program) to
drain surface water layer
  - ✓ method: filled tube with
  river water & placed inlet
  at corner of grab / sediment
  surface, then siphoned
  overlying water

After surface water was
removed, grab sample / sub-
sampling to 1-gal buckets
was completed

End of
Record
10/2/13



Location LPR Date 10/3/13

Project / Client SSP2

60139067 P405

3 October 13

SSP Sediment Sampling

Aboard R/V Candu

Personnel

Jason DeLorenzo

Jeff Pyrzeski

Dion Lewis

Channing Hawkins

Patrick Connelly (CAM)

Health & Safety 6:35

Depart CPG Dock: 6:40

Weather partly cloudy, cool, limited light at start

Underway to 0571

Setting Anchors 07:15

Grab Sampler Decon

Complete 07:25

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

13B-0571-C1

Water Z 7.5'

Collect T 7:40

E 596223.90

N 730892.35

X-dist 19.1

100% Pen 9.5'

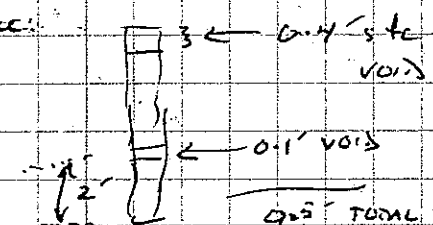
Rec Rec 9.5'

Description: Dark / Black at surface down about 1' then coarse multi-colored sand at depth to 9.5'

Native (fine red sand, red clay) was not observed.

Equipment Δ to 20' barrel

Recovery Calc:



Void about 2' from base

9.5' total core length

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 · P405

VOID NEAR BASE LIKELY
FROM SLIPPAGE AFTER LOSS
AT BASE UPON RETRIEVAL

13B-0571-C2

WATER Z 7.3
COLLECT E 8:32
E 596226.39
N 730896.10
X-DIST 16.1'
PEN 15.2 (REFUSAL)
REC REC 12'

DESCRIPTION:
0.8 MUD AT TOP
WITH COARSE GRAINED SAND
BELOW (MULTI COLORED)
SAND AS IN C1 BASE.
SAND TO 15.2',
SITE WALKED OVER WITH
C1 & C2 - WILL COLLECT
GRAB & GO

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 · P405

13B-0571 (0571) - G1

WATER Z 7.2
COLLECT E 9:34
E 596226.94
N 730885.16
X-DIST 15.3'
- ALL STICKS - REJECT

G2

WATER Z 7.2'
COLLECT E 9:38
E 596217.50
N 730887.21
X-DIST 24.7'

PID: VOC 5.5
H_2S Ø

VERY FINE SILT AT SURFACE
MANY STICKS, NO BIOLOGY
SOME TRASH OBSERVED
NO O_2 INTERFACE (DISTINCT) OBSERVED
OBSERVED

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

LOSING WATER AT 0571. ABANDON SITE WITH ACCEPTABLE G1; WILL RETURN FOR ADDED CORING ATTEMPTS

GRAB SAMPLER DECON COMPLETE

UNDERWAY TO 0558 10:10

SETTING ANCHORS 10:30

13B-0558-G1

WATER Z 14.6

COLLECT E 10:42

E 596307 51

N 731545 75

X-DIST 17.2'

100% RECOVERY

VOCs ∅

H_2S ∅

FINE SAND & SILT AT SFC

SMALL STICKS

DEBRIS AT JAWS

σ Δ / DRYER AT 5"

NO LIVING BIOLOGY

GREY COLOR

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

NO O_2 I/FACE OBSERVED

13B-0558-G1

WATER Z 13.9'

COLLECT E 11:16

E 596309.50

N 731552.61

X-DIST 10.2'

PEN 9.8

REC OVER - *

REJECT

FINE RED SAND OBSERVED AT CORE TIP UPON RETRIEVAL

* CORE SURFACE ABOVE CORE LINER AT TOP - DISTURBED - REJECT / UNABLE TO ID DIMENSIONS

BOTTOM 5' IS NATIVE MATERIAL

Location LPR Date 10/3/13

Project / Client SSPZ

6013906T P405

13B-0558-C2

WATER Z 12.7'
COLLECT 12:04
E 596310.71
N 731556.98
X-DIST 5.9
98% PEN 8.0
REC 7.8

DESCRIPTION: MARK AT SURFACE - COARSE SAND AT DEPTH
- FIST-SIZED RED (NATIVE) CLAY OR FINE SAND EMBEDDED AT DEPTH

TRANSFER BOAT ARRIVES - PAT CONNELLY DEPARTS FOR THE DAY

Location LPR Date 10/3/13

Project / Client SSPZ

6013906T P405

13B-0558-C3

WATER Z 12.0'
COLLECT 12:50
E 596311.15
N 731559.23
X-DIST 4.0'
99% PEN 6.5' REFUSAL
RED REC 5.8'

ANCHORS RETRIEVED
NO SMITH 0555
ARRIVE AREA 13:50

GRAB SAMPLER DECON COMPLETED

ANCHORS SET 14:00

TRANSFER BOAT ARRIVES
SAMPLES TRANSFERRED
COMMENCE BOOM OPS 14:30

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

13B-0555-C1

WATER Z 11.9'
COLLECT t 14:34
E 596643-16
N 729041.86
X-DIST 8.7
92% PEN 9.5
REC 8.7

NATIVE (FINE RED SAND)
BELOW ABOUT 2'; AB SECTION
ONLY RETAINED

C2

WATER Z 10.4
COLLECT t 15:08
E 596639.08
N 729038.42
X-DIST 3.5'
92% PEN 6.0'
REC REC 5.5'

FINE RED (NATIVE) SAND AT

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

BASE (CONE TIP) UPON
RETREIVAL

13B-0555-G1

WATER Z: 10.7
COLLECT t: 15:40
E 596636.43
N 729039.63
X-DIST 4.3'
· PID: ∅ VOCs; ∅ H_2S
· O_2 I/FACE OBSERVED 0.1' *
FROM SURFACE
· OIL SHEEN OBSERVED
· VERY FINE/SILT
· DENSITY I/FACE ALSO 0.1'
· NO LIVE BIOLOGY
· LEAVES INCLUDED
· STRONG ODOR

* TAN TO BLACK O_2 I/FACE OR
CHEMICAL LAYER ≡ VERY STRONG
ODOR

82

Location LPR Date 10/3/13

Project / Client SSP 2

60139067 P405

ANCHORS REMOVED & HOIST

DOWN 16:20

UNDERWAY TO CPG

ARRIVE MOORING AREA

16:30

ARRIVE CPG DOCK VIA

TRANSFER BOAT 16:40

SAMPLES TRANSFERRED TO

NANTAN 16:52

END OF

RECORDS

10/3/13

83

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405

4 OCTOBER 13

SSP SEDIMENT SAMPLING

ABOARD R/V CAPRI

PERSONNEL

JASON DE LORENZO

JEFF PYLESKI

NICK LEWIS

CHANNING HAWKINS

JEFF RAKOWSKI (CLAYSMITH)

HEALTH & SAFETY 07:40 BRIEF

SEE H+S FORM

DEPART CPG DOCK 7:45

WEATHER: SUNNY, COOL,

PARTLY CLOUDY

UNDERWAY TO 0571 FOR

2 MORE 20' CORE ATTEMPTS

GRAB SAMPLER DECON

COMPLETE 08:15

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405 [signature]

- SETTING ANCHORS AT 0571 08:15
- CORE BARREL CHANGE OUT 8:20

x-# [signature] 10/4/13

13B-0571-~~C2~~ C3

WATER Z 9.2'
COLLECT t 8:50
E 596222.00
N 730893.14
X-DIST 21.1'
83% PEN 14.9'
REC REC 12.4

FEW INCH LAYER OF GRAVEL / COBBLE OBSERVED AT BASE / CORE CATCHER

REPOSITIONING BACK TO STATION FOLLOWING CORE PROCESSING 09:30

C3: ABOUT 1' DARK SED AT SFC FOLLOWED BY COARSE MULTI-COLORED SAND

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405 [signature]

13B-0571-C4

WATER Z 8.5'
COLLECT t 10:00
E 596220.47
N 730883.30
X-DIST 22.0'
81% PEN 16.3'
REC REC 13.2'

DESCRIPTION: DARK/BLACK AT TOP 1.5-2' THEN COARSE MULTI-COLORED SAND BELOW

ANCHORS UP & UNDERWAY TO 0570 FOR GRAB SAMPLING 10:45

ARRIVE IN STATION AREA 11:00 - EQUIPMENT SETUP

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405

13B-0570-G1

Water E 17.1

Collect E 11:02

E 597044.35

Rock Jaws N 727563.67

oil. X-dist 21.5'

G2

Water E 17.1

Collect E: 11:04

E 597053.58

oil. N 727566.28

X-dist 12.2'

G3

Water E 17.1

Collect E 11:06

E 597053.86

N 727564.24

X-dist 13.4'

Likely scrapes along pavement CR/RAP ~2" pen, ~2" rec as scraping?

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405

STATION 0570 OBSERVATIONS:

- LOCATED AT END OF NEW DOCKAGE FOR ROWING BOAT HOUSE
- FIELD ASSIST C. HAWKINS NOTES THAT CONSTRUCTION AT THIS SITE WENT ALSO INCLUDING RIP-RAP PLACEMENT AT BANK AND INTO THE WATER, VERY POSSIBLY INCLUDING STATION LOCATION.
- NEW VEGETATION / PLANTINGS AT BANK MAY ALSO HAVE COMMENCED. NEW TOPSOIL WASHED INTO STATION AREA
- INTERVIEW AT BOAT HOUSE MAY REVEAL OTHER SHORELINE (DREDGING?) ACTIVITIES
- OBSERVATIONS WERE MADE BY C. HAWKINS DURING ARBER SURVEY

Location LPR Date 10/4/13

Project / Client SSP 2

60139067 P405

13B-0570-43

DESCRIPTION

VOC: Ø

DARK BROWN

VERY FINE MATERIAL / SILT

FEW LEAVES

NO O_2 I/F OBSERVED

NO ODORS OBSERVED

UNWILLING TO CPG DOCK

MUST REMOVE FOR

BRIDGE TRANSITS 11:45

ARRIVE AT CPG DOCK 12:00

SAMPLES TRANSFERRED TO

NORTHERN 12:45

EQUIPMENT BLANKS COMPLETE

CORING & GRAB SAMPLING

EQUIPMENT 14:15

Location LPR Date 10/4/13

Project / Client SSP

60139067 P405

EQUIPMENT BLANK LABELING

NOTES:

13B-0571-C4RR

WAS COLLECTED 10/4/13 AT

12:45, CONTAINERS WERE

INADVERTENTLY LABELED WITH

CORRESPONDING SAMPLE

(13B-0571-C4) COLLECTION

TIME (10:00)

13B-0570-G3AR

WAS COLLECTED 10/4/13 AT

13:30, CONTAINERS WERE

INADVERTENTLY LABELED WITH

CORRESPONDING SAMPLE

(13B-0570-G3AS) COLLECTION

TIME (11:06)

END OF RECORD

10/4/13

Location LPR Date 10/7/13

Project / Client SSP 2

60139067 P405

7 October 13 Sediment Sampling
Aboard R/V Candy

Personnel
Jason DeLorenzo
Jeff Pyzeski
Dion Lewis
Dave Smith
Patrick Connelly (CDM)

Weather: overcast,
Breezy. Chance of showers

Depart CPG Dock: 7:25

Health & Safety 7:40

Continue VC Assy &
underway to 0556

Grab Sampler Decon
Complete 7:50

Setting Anchors @ 0556 8:00

Location LPR Date 10/7/13

Project / Client SSP 2

60139067 P405

13B-0556-C1

Water Z = 7.8'
Collect t: 8:42
E 596294.89
N 730324.43
x-dist 24.4
95% Pen 9.5'
Rec 9.05'

Description: Dark/Black at
top 1.5' with Red (Native)
Brown. Possibly transition
multi-colored between dark
surface and red native at base

C2

Water Z 8.5
Collect t 9:12
E 596297.07
N 730322.90
x-dist 21.9'
97% Pen 9.5'
Rec 9.2

92

Location LPR Date 10/7/13

Project / Client SSP 2

60139067 P405

13B-0556-C2 DESCRIPTION

1.5-2' DARK AT SURFACE

FOLLOWED BY NATIVE,

"TRANSITION", AND NATIVE

AGAIN AT BASE

3rd CORE TO BE COLLECTED

FOR EPA SPLIT

C3

WATER Z 8.9'

COLLECT E 9:45

E 596299.40

N 730320.53

X-LIST 18.5'

97% PEN 9.5'

REC 8.3

0.5' DARK AT SURFACE

FOLLOWED AT DEPTH BY

NATIVE, THEN "TRANSITION"

THEN MORE NATIVE

ALSO RED CLAY OBSERVED

ON OUTER BARREL LINER

AT BASE (AT INTERMEDIATE)

93

Location LPR Date 10/7/13

Project / Client SSP 2

60139067 - P405

13B-0556-G1

WATER Z 9.3'

COLLECT E 10:05

E 596298.16

N 730323.41

95% REC X-LIST 21.6'

VERY FINE SURFACE

SILT PRIMARILY

VOC 1.4 BACKGROUND, 1.7 AT

SURFACE SEDIMENT

H_2S: Ø

DENSITY I/F AT ~ 3"

NO O_2 I/FACE OBSERVED

GREY COLOR

DEBRIS NOTED

WINDS CONTINUE TO RISE

TORNADO WATCH ISSUED

ANCHOR LINES TO BE REMOVED

ALL OPERATIONS TO BE

SUSPENDED (RETURN TO CBG

DOCK WITH WINDS 15-20 KNOTS

Location LPR Date 10/7/13

Project / Client SSP 2

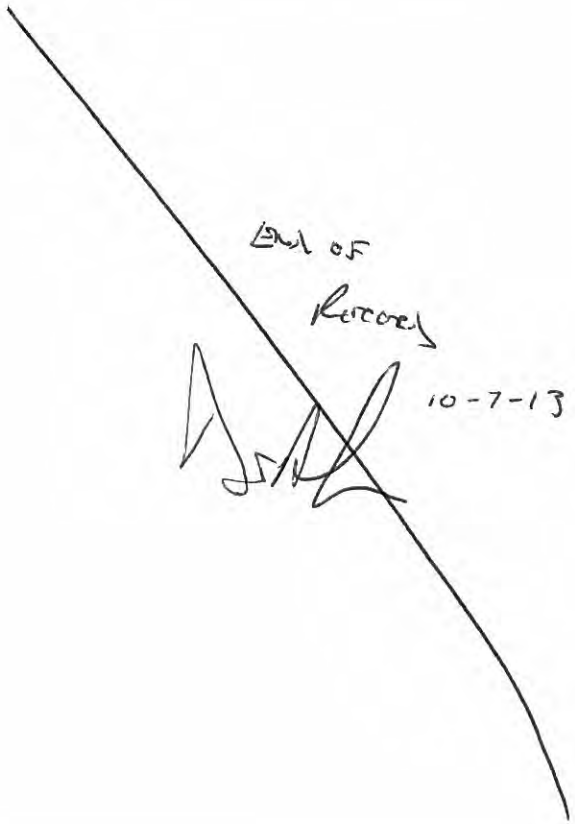
60139067 P405

ARRIVE CPG DOCK 10:50

SAMPLES TRANSFERRED UNDER
COC 11:30

END OF
RECORD

10-7-13



Location LPR Date 10/8/13

Project / Client SSP 2

60139067 P405

8 OCTOBER 13 SEDIMENT SAMPLING
FOR SSP 2 ABOARD R/V CANDU

PERSONNEL
JASON DeLORENZO
JEFF PYDESKI
DION LEWIS
DAVE SMITH
PATRICK CONNELLY (CDM)

HEALTH & SAFETY BRIEF 6:55
SEE H&S FORM

WEATHER: MOSTLY CLEAR, COOL

DEPART CPG DOCK 7:05

UNDERWAY TO SM 0509

GRAB SAMPLER DECON COMPLETE
@ 9:40

PAST BRIDGES - RAISING MAST
@ 7:50

Location LPR Date 10/8/13

Project / Client SSP2

60139067 P405

ARRIVE 0509 AREA 8:20

SHORELINE OBSTRUCTIONS COMBINED WITH MAX FLOOD CURRENTS ~~WITH~~ BOTTOM TO SAMPLE SMOOTH AT SCARP TIME

UNDERWAY TO 0511

ANCHORING / SETTING SHORELINE ANCHOR LINES 8:55

13B-0511-C1

WATER Z 6.2'
COLLECT 9:08
E 590287.32
N 712452.17
X-DIST 11.4'
PEN 9.5'
REC 8.3'

8'/. REC

NATIVE RECOVERED AT BOTTOM Y2 FOOT

Location LPR Date 10/8/13

Project / Client SSP2

60139067 P405

13B-0511-C2

WATER Z 7.0'
COLLECT 9:45
E 590288.70
N 712448.82
X-DIST 9.8
PEN 9.5'
REC 7.65'

REJECT - DID NOT REACH NATIVE

- TRANSITION / COARSE SAND & FINE GRAVEL AT BASE

C3

WATER Z: 7.2'
COLLECT: 10:15
E 590285.48
N 712443.10
X-DIST 4.3
PEN 8.0' REFUSAL
REC 7.3

91'/.

DID NOT REACH TRANSITION

Location LPR Date 10/8/13

Project / Client SSP 2

60139067 P405

13B-0511-G1

WATER Z : 7.1'
COLLECT : 10:50
E 590287.76
N 712443.23
X-DIST 6.6

DUPLICATE AVS COLLECTED

DESCRIPTION:
VOCs : 0.5
H_2S : ∅
VERY FINE/SILTY SURFACE
GREY COLOR
DEBRIS NOTED

SAMPLES TRANSFERRED TO NATHAN 11:17

PAT CONNELLY DEPARTS ON TRANSPORT VESSEL 11:22

Location LPR Date 10/8/13

Project / Client SSP 2

60139067 P405

STATION 0509 INVESTIGATE AGAIN NEAR HIGH SLACK - SHORELINE CURVE NOT POSSIBLE FOR ANCHORING

TRANSIT TO STATION 0515
ANCHOR LINES SET 12:10

GRAB SAMPLER RECOVERED COMPLETE 12:10

13B-0515-G1

WATER Z : 15.2'
COLLECT : 12:16
E 591321.04
N 714091.62
X-DIST 0.9

- VOC: ∅ ppm H_2S ∅
- VERY FINE / SILT
- DARK BROWN / GREY
- 100% RECOVERY / UNDISTURBED
- DENSITY & O_2 L/FACE AT 1.5" BELOW SURFACE
- NO DEBRIS OBSERVED

Location LPR Date 10/8/13

Project / Client SSP 2

60139067 P405

13B-0515-C1

WATER @ 16.2'
COLLECT @ 12:52
E 591317.04
N 714094.44
X-LIST 5.4
92% PEN 9.5'
REC 8.7'

· NATIVE OBSERVED AT CORE TIP
TOP 0.5' BLACK/DARK
THEN 1.2' COARSE SAND "TRANSITION" MAT'L
THEN NATIVE TO FULL LENGTH

Location LPR Date 10/8/13

Project / Client SSP 2

60139067 P405

13B-0515-C2

WATER @ 14.3'
COLLECT @ 13:48
E 591318.02
N 714088.65
X-LIST 3.6
89% PEN 8.0'
REC 7.2

AGAIN NATIVE OBSERVED AT DEPTH
TOP 1.5' BLACK
THEN 1' TRANSITION
THEN NATIVE TO BASE WITH INTERMITTENT LAYERS OF "TRANSITIONAL" COARSE SAND

AMBIENT PULLED, MAT DOWN AND UNDERWAY TO CPG DOCK 14:45

Location: LPR Date: 10/8/13

Project / Client: SSP 2

60139067 P405 ARH

15:50 ARRIVE CPG DOCK

STATION 13B-05IC SAMPLES TRANSFERRED TO NATHAN AT 15:55

Location: LPR Date: 10-9-13

Project / Client: SSP 2

60139067 P405 ARH

9 OCTOBER 13 SSP 2 SEDIMENT SAMPLING ABOARD R/V CANAN

PERSONNEL: JASON DELORENZO
JEFF PYDESKI
DION LEWIS
DAVE SMITH
PATRICK CONNELLY (CSM)

HEALTH & SAFETY BRIEF 7:20
- SEE H+S FORM

WEATHER: MOSTLY CLEAR, COOL

DEPART CPG DOCK 7:30

UNDERWAY TO STATION 0528

GRAB SAMPLER DECON COMPLETE @ 7:45

MAST UP, 10' BARREL ASSY 8:30

LOOKING FOR DEEP WATER 8:40

Location LPR Date 10/9/13 x-DATE [illegible] 10/9/13

Project / Client SSP 2

60139067 P405 [illegible]

STATION 13B-0528-C2

↳ REFER TO P21 FOR C1 DETAIL

DEEP PROCESSING WATER FOUND, BACK TO STATION 0528 - ANCHOR SETTING @ 8:50

13B-0528-C2

WATER Z 10.3'
COLLECT t: 9:15
E 592100-77
N 718841.14
x-DIST 2.5'
PEN 17.2 REFUSAL
REC 11.8

REJECT POOR RECOVERY

BACK TO 0528
SETTING ANCHORS 10:10

Location LPR Date 10-9-13

Project / Client SSP 2

60139067 P405 [illegible]

13B-0528-C3

WATER Z 12.1'
COLLECT t 10:35
E 592102.32
N 718836.19
x-DIST 7.1'
97% PEN 12' REFUSAL LAYER
REC REC 11.6'

DARK/BLACK THRU-OUT CORE. CONE TIP - BLACK CLAY, FINE SAND, COARSE SAND MIX - CLAY AS CLAST(S) - BUT ALL BLACK

G1

WATER Z: 13.3'
COLLECT t: 11:52
E 592094.78
N 718840.06
x-DIST 4.3

REJECT OVER-PEN

Location LPR Date 10/9/13

Project / Client SSP 2

60139067 PHOS

13B-0528-G2

WATER Z 13.3'
COLLECT 11:56
E 592097.56
N 718640.60
X-DIST 1.9'
AWAIT WATER MAIN TO C4

C4

WATER Z: 13.9'
COLLECT: 12:12
E 592092.42
N 718645.47
X-DIST 6.9'
115% PEN 14.6'
REC REC 16.8'

NATIVE RED FINE SAND
AT CORE TIP

Location LPR Date 10-9-13

Project / Client SSP2

60139067 PHOS

G2 DESCRIPTION:
VOCs: 0.6
H_2S: ∅
VERY FINE / SILT AT SURFACE
COLOR DARK BROWN / GREY
NO DEBRIS OBSERVED
NO O_2 I/FACE OBSERVED
NO LIVE BIOLOGY NOTED

C4 DESCRIPTION:
· OBSERVED CORE EXPANSION DURING PROCESSING
LIKELY EXPANSION ACCOUNTS FOR MUCH OF THE HIGH RECOVERY

· SEVERAL FEET OF NATIVE AT BASE AS FINE RED SAND
↳ 3.2' OF CORE AT (NATIVE) BASE NOT SAMPLED / RETAINED

Location LPR Date 10/9/13

Project / Client SSP 2

60139067 A405

13B-0522 SAMPLES TRANSFERRED TO NAIAD / TRANSPORT BOAT 13:51

PIPE / UTILITY MARKER NOTED ON SHORE IN 0523 AREA 14:05

GRAB SAMPLER INCON COMPLETE

PIPE CROSS MARKER { NAIM 9916060 OR NAUM 991.6060

ALSO 0522 APPEARS ON CABLE CROSSING (GRAB ONLY SM)

0523 Y CABLE X MARKER 40' SSW

MARKER NUMERIC APPEARS TO BE A PHONE NUMBER TO A COUNTY UTILITY MGMT COMPANY CALL PLACED TO MANAGER, AWAITING CALL-BACK

Location LAR Date 10/9/13

Project / Client SSP 2

60139067 P405

ABANDONED 13B-0523 FOR THE DAY UNDERWAY TO STA 0516 14:50

13B-0516-G1

WATER Z: 16.7'

REJECT: OVER RECOVERY OVER-PEN

COLLECT: 15:15

E 591535.14

N 714849.62

X-DIST 9.0

G2

WATER Z: 16.7'

COLLECT: 15:18

E 591536.63

N 714846.84

X-DIST 8.4'

G2 DESCRIPTION:

VOC: 1.2 PPM

H_2S: 0

GREY COLOR

SILT, STICKY (CLAY? INCLUDED)

Location LPR Date 10-9-13

Project / Client SSP 2

60139067 P405

13B-0516-GZAS DESCRIPTION

(CONTINUED)

GRIT PRESENT ALSO -

MAKE-UP: FINE SAND + SILT + CLAY

NO O_2 I/F OBSERVED

NO DEBRIS OBSERVED

NO LIVE BIOLOGY NOTED

DENSITY I/F AT ABOUT 5" INCHES

13B-0516-C1

WATER Z 16.4

COLLECT 15:50

E 5915 40.77

714844.08 N 714844.08

X-DIST 7.4'

REJECT - NO NATIVE - NO REFUSAL PEN 10.0' NO REFUSAL

REC 9.9'

BLACK / NON-NATIVE OBSERVED AT CORE / TIP

10/9/13 X-H

Location LPR Date 10-9-13

Project / Client SSP 2

60139067 P405

20' BARREL REQUIRED AT STATION 0516

16:30 RETRIEVE ANCHORS AND BEGIN TRANSIT TO CPG DOCK

17:40 ARRIVE CPG DOCK

SAMPLES TRANSFERRED 17:45 TO NANAN AT DOCK

ADDED NOTE REGARDING GRAB PROCESSING 13B-0528-G2:

- OVERLYING WATER SET ASIDE TO DRAIN
- COLLECTED C4
- OVERLYING WATER STILL PRESENT FOLLOWING C4 COLLECTION
- USED PRE-CLEANED TUBING (FROM CHECK PROGRAM) TO DRAIN SURFACE WATER LAYER

Location LPR

Date 10-9-13

Project / Client SSP 2

60139067 - P405

13B-0528-G2 PROCESSING CONTINUED:

METHOD: FILLED TUBE WITH RIVER WATER + PLACED INLET AT CORNER OF GRAB AT THE SEDIMENT/WATER INTERFACE, THEN SIPHONED THE OVERLYING WATER

AFTER SURFACE WATER WAS REMOVED, SUB SAMPLING COMMENCED (AFTER PID READING/DATA COLLECTED) WITH 2-OZ AVS/SEM AND 1-GAL BUCKETS

END OF RECORD 10-9-13

Location LPR

Date 10-10-13

Project / Client SSP 2

60139067 P405

10 OCTOBER 13 SSP 2 SEDIMENT SAMPLING ABOARD R/V CANDU

PERSONNEL: JASON DELORENZO
MORGAN BARRETT
DION LEWIS
DAVE SMITH
SEAN O'HARE (CAM)

WEATHER: OVERCAST, BREEZY, COOL, RAIN EXPECTED

HEALTH & SAFETY BRIEF COMPLETE 7:45 - SEE FORM ON FILE

DEPART CPG DOCK 7:55
UNDERWAY TO 0514

GRAB SAMPLER DECON COMPLETE 08:00

ARRIVE STATION 0516 AREA 8:55

Location LPR Date 10-10-13

Project / Client SSP 2

60139067 P405

ANCHORS SET AT 0516 @ 9:10

13B-0516-C2

WATER Z 14.0'

COLLECT 9:30

E 5915 40.82

N 7148 58.36

X-DIST 8.3'

PEN 13.4' REFUSAL

REC 13.6

9:40 PULLING ANCHORS TO FINS PROCESSING WATER

10:20 PROCESSING COMPLETE

C2 DESCRIPTION:

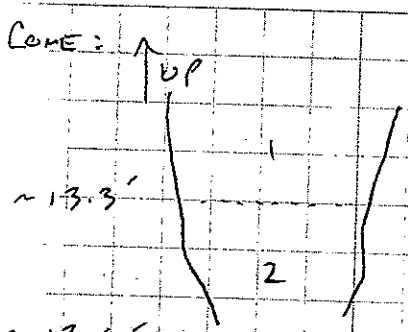
DARK/BLACK AT SURFACE TO ABOUT 13.3'

Location LPR Date 10-10-13

Project / Client SSP 2

60139067 P405

CONE:



1) DARK GREY SAND

2) RED. SAND

- 1 & 2 ARE BOTH FINE SAND

- 1 & 2 MAY EXTRUDE A TO D-E SECTION

ALSO UPON RETRIEVING CORE - GRAVEL & RED FINE (NATIVE) SAND MATERIAL NOTED AT CONE TIP

10:30 BACK AT STATION 0516 AREA

10:50 ANCHORS / LINES SET

POSITIONING COMPLETE FOR C3

Location LPR Date 10-10-13

Project / Client SSP 2

6013906.7 P405

13B-0516-C3

WATER Z: 17.1'

COLLECT T: 11:00

E 5915-43.67

N 7148 50.87

X-LIST 0.4'

102% PEN 12.3' REFUSAL

REC REC 12.6'

FINE REX (NATIVE)

SAND OBSERVED AT CORE TIP - DROPPED ONTO DECK

EXPANSION OBSERVED AGAIN AT PROCESSING

BLACK/DARK GREY FROM SURFACE TO NEARLY FULL LENGTH REX/FINE SAND AT VERY BOTTOM

Location LPR Date 10-10-13

Project / Client SSP 2

6013906.7 · P405

TRANSIT TO 0518 (TIDE/CONDITIONS BETTER THAN 0517)

12:05 SETTING ANCHORS / FINAL POSITIONING

13B-0518-C1

WATER Z: 22.6'

COLLECT T: 12:15

E 5917 04.36

N 7150 63.65

REJECT

X-LIST 0.2'

64% PEN 18'

REC REC 11.6'

OBSERVED 1' DARK BLACK AT SURFACE FOLLOWED BY "TRANSITIONAL" TO BASE INCREASING ROUNDED COLORATION DOWN CORE

Location LPR Date 10-10-13

Project / Client SSP 2

60139067 P405

13B-0518-C2

WATER Z 23.2
COLLECT T 13:25
E 591702.63
N 715059.47
X-DIST 4.5'
PEN 19.6'
REC 12.3'

63'/.

ABOUT 0.5' DARK/BLACK AT SURFACE FOLLOWED BY "TRANSITIONAL" A~(FINE RED NATIVE SAND) AT CONE TIP UPON RETRIEVAL

CORE C2 REJECT
RE-POSITION AND
RE-ATTEMPT FOR C3

SAMPLES TRANSFERRED (SIA 0516) TO NATHAN AT 13:45

Location LPR Date 10-10-13

Project / Client SSP 2

60139067 P405

13B-0518-C3

WATER Z 22.7
COLLECT T: 14:20
E 591712.53
N 715058.69
X-DIST 9.7'
PEN 19.2'
REC REC 11.9

62'/.

DESCRIPTION: ABOUT 0.5' DARK/BLACK AT SURFACE FOLLOWED BY "NATIVE LOOKING" MATERIAL ~ 1.5' FOLLOWED BY "TRANSITIONAL" TO BASE

G1

WATER Z 22.2
COLLECT T 15:05
E 591702.95
N 715056.74
X-DIST 7.1'

Location LPR Date 10-10-13

Project / Client SSP 2

60139067 P405

13B-0518-G1 DESCRIPTION:

VOCs BACKGROUND 1.9

SAMPLE: 1.9 ppm

H_2S Ø

FINE GREY SAND AT SURFACE, TRACE OF SILT AT ABOUT 4", SILT & CLAY CONTENT INCREASES

NO O_2 I/F NOTED

DEBRIS PRESENT

NO LIVING BIOLOGY OBSERVED

15:30 20' BARREL DISASSY

15:45 GRAB SAMPLER UNSHACKLED

16:00 ANCHORS RETRIEVED AND BEGIN TRANSITING TO CPG

Location LPR Date 10-10-13

Project / Client SSP 2

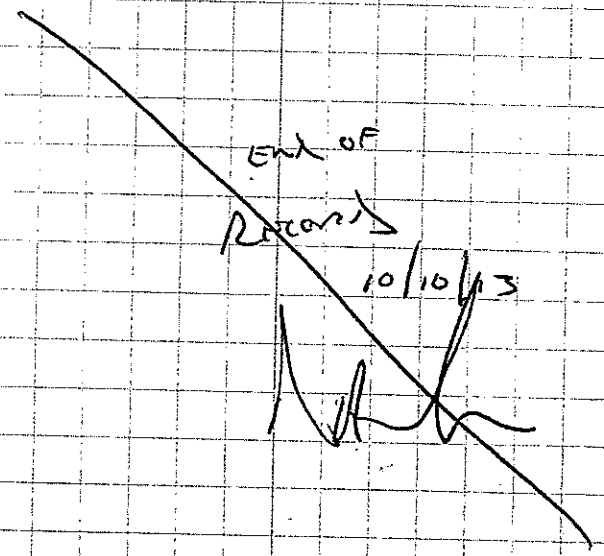
60139067 P405

16:20 - UNABLE TO PASS DE LESSA BRIDGE

17:00 CLEARED THE BRIDGE AND UNDERWAY TO CPG DOCK

17:35 ARRIVE CPG DOCK

17:40 0518 (GIAS) SAMPLES TRANS FERRED TO HAMMAN



Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

11 October 13 Sediment Sampling
Aboard R/V Candy

Personnel
Jason DeLorenzo
Morgan Barret
Dion Lewis
Dale Smith
Sean O'Hare (CDM)

Equipment Blank Collections

13B-0516-C3AR Collection
By Dale Smith - Nathan
(Core) 6:45-7:15 Marked 7:00

13B-0518-G1AR Collection
By D Lewis, C Hawkins
(Grab) 7:15-7:45 Marked 7:30 10/11/13

8:50 Safety Brief
Completed

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

Weather: Overcast, cool, breezy,
Rain expected

Depart CPG Dock 9:15

9:55 Beyond RR Bridge (South of
Rte 3 Bridge) - Mast Raised,

10:20 Setting anchors at
Sta 0541

13B-0541-C1

Water Z 11.0'
Collect 10:40
E 592546.53
N 723051.50
X-Dist 8.4'
82% Pen 8.9' Refusal
Rec 7.3'

About 3' of dark at surface,
native noted at core tip
(cone tip)

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

C1 (CONTINUED)

REX FINE SAND (NATIVE)

OBSERVED AT BASE

GRAVEL & COBBLE OBSERVED

AT CONE TIP

SEAN O'HARE BOARDED

13B-0541-C2

WATER Z 12.9'

COLLECT t 11:20

E 5925 40.61

N 7230 50.98

X-DIST 7.0'

120% PEN 3.0

REC 3.6

DARK SURFACE

SEDIMENT - GRADES

INTO TRANSITIONAL

MATERIAL AT BASE

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

13B-0541-G1

WATER Z: 12.2'

COLLECT t: 11:50

E 5925 39.75

N 7230 53.24

X-DIST 4.9

VOCs: Ø

H_2S: Ø

VERY FINE SILT AT

SURFACE

COLOR: DARK BROWN

DEBRIS PRESENT

NO O_2 I/FACE OBSERVED

DENSITY I/FACE ~3" /DAYER

NO BIOLOGY OBSERVED

12:35 RETRIEVING ANCHOR

LINES, GRAB SAMPLER

WASH DOWN & DECON

12:50 SETTING ANCHOR LINES

AT STA 0542

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

POISON IVY ENCOUNTERED ON SHORE BY HACKMAN> TREATED WITH TECNU WITHOUT DELAY

13B-0542-G1

WATER E 6-2'

COLLECT E 13:07

E 593412.17

N 723637.63

X-LIST 10-1'

BROWN SAND AT SURFACE - DIFFICULT TO PENETRATE DEEP NICE UNDISTURBED SURFACE BUT LIMITED VOLUME (~4" PEN)

DESCRIPTION:

- VOCs 1.3 BACKGROUND 1.3 AT SED SFC

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

13B-0542-G1 DESCRIPTION (CONTINUED)

- NO O_2 I/FACE OBSERVED
- DENSITY I/FACE ≥ 1.5
- BELOW SURFACE
- NO LIVING BIOLOGY OBSERVED
- NO DEBRIS NOTED
- DARK BROWN COLOR
- FINE-MED SAND w/ SILT

13:30 0541 SAMPLES TRANSFERRED

13B-0542-C1

WATER E 6.5'

COLLECT E 13:40

E 593410.01

N 723636.01

X-LIST 12.6'

REJECT PEN 9.5'

REC (OVER) - FILL CHECK VALVE

SEDIMENT/WATER INTERFACE LOST

RED (NATIVE) CLAY AT CONE TIP

Location LPR Date 10/11/13

Project / Client SSP 2

60139067 P405

133-0542-C2

WATER @ 6.6'

COLLECT @ 14:00

E 593467.75

N 723634.22

X-DIST 15.3'

92% REC PEN 9.0'

REC 8.3

RED (NATIVE) CLAY

NOTED AT CONE TIP

C3

WATER @ 6.7'

COLLECT @ 14:55

E 593415.93

N 723638.89

X-DIST 7.7'

110% REC PEN 6.9 REFUSAL

REC 7.6

Location LPR Date 10-11-13

Project / Client SSP 2

60139067 P405

15:30 ANCHOR LINES RETRIEVED, EQUIPMENT & ASSY UNDERWAY

15:40 UNDERWAY TO CPG DOCK

16:05 ARRIVE AT CPG DOCK

16:10 SAMPLES TRANSFERRED TO NAMAN

END OF RECORD 11 OCT 13

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

14 October 13 SSP 2 Sediment Sampling aboard R/V Cardu

Personnel:

Jason DeLorenzo
Joe Pegnatero
Dion Lewis
Dave Smith
Ben Hammond (CDM)

Weather: clear, cool

Health & Safety Brief complete 7:45

Mast Assy 1 raised 08:00 to allow NAV check

8:10 Mast re-secured, Depart CPG Dock (8:10)

Grab Sampler Decon complete 8:45

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

Arrive station 0549 - water check 8:50 - water ≈ 1.7' will require sampling mid-tide

Arrive station 0548 - water check 0900 - sounding at 0.8'

Underway to 0554; 9:20 Arrive at station - downed tree located at target

138-0554-L1

Water ≈ 3.8'
Collect ≈ 9:45
E 597076.25
N 728538.47
x-dist 3.2'
95% Pen 9.5'
Rec 4.0'

Appears to be native at base

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

13B-0554-C1 (CONTINUED)

DESCRIPTION: TOP 4.5' SECTION (A-B) DARK. THEN TRANSITIONS INTO NATIVE

2ND SECTION CUT - NOTED DARK MATERIAL (DRAGDOWN?)

SAVED 3RD SECTION (C-D) FOR RECORD.

RED CLAY-RICH (NATIVE) PLUG WITHIN CONE/TIP - WITH GRAVEL AT VERY END

C2

WATER Z: 4.1'

COLLECT t: 10:30

E 597073.42

N 728536.34

REJECT

X-DIST 4.6'

70% PEN 9.0'

REC REC 6.3'

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

YUMA ISSUES - SOFTWARE REQUEST TO DELETE FILE AND THEN TO RE-BOOT MENU

TRANSPORT BOAT TO RETRIEVE EXMA/BACKUP YUMA & STAR DRIVER SET FOR BATTERY REMOVAL TRY

SOFTWARE REPAIR MODE INITIATED

133-0554-C3

WATER Z 4.6'

COLLECT t 11:42

E 597069.68

N 728532.35

X-DIST 9.0'

84% PEN 9.0'

REC 7.6'

NATIVE WAS NOT REACHED - ENTIRE CORE LENGTH WAS BLACK/DARK. ⇒ TO 20' BARREL

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

(CONTINUED)

=> TO 20' BARREL TO ADDRESS HIGHLY VARIABLE STRATIGRAPHY / ENSURE NATIVE IS ATTAINED

EQUIPMENT SWITCHOUT / CHANGE OVER 12:00

YUMA SOFTWARE REPAIR COMPLETE 12:15

TO COLLECT GRAB 1ST

13B-0554-~~C4~~ ~~(20)~~

13B-0554-G1 10-14-13

WATER Z 5.1

COLLECT E 12:35

E 597068.91

N 728533.68

X-DIST 9.3

PEN

REC

POOR RECOVERY

REJECT

MOST WASHED OUT

& MOSTLY WATER

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

13B-0554-G2

WATER Z 5.1

COLLECT E 12:40

E 597066.93

N 728531.36

X-DIST 11.9

EXCELLENT

SFC FULLY RETAINED

DESCRIPTION

VOCs 0.1 BACKGROUND (PPM)

0.4 AT SEDIMENT S/C

H_2S Ø

COLOR: DARK BROWN & GREY AT SURFACE

TEXTURE: SILT

NO DEBRIS OBSERVED

NO (LIVE) BIOLOGY NOTED

DENSITY I/F @ 0.3'

O_2 I/FACE NOTED ALSO ~0.3'

OR TRANSITION TO DARK GREY MAT'L

136

Location LPR Date 10-14-13

Project / Client SSP 2

60139067 P405

13B-0554-C4

WATER Z: 5.8'

CORRECT E: 12:55

E 597066.41

N 7285 29.15

4-DIST 13.3'

PEN 18.0'

REC 14.7

81%

13:00 REMOVE ANCHORS / LINES TO FINAL PROCESSING WATER

REX (NATIVE) SAND OBSERVED AT ABOUT 5.6', SIMILAR TO C1 STRATIGRAPHY

14:00 PROCESSING COMPLETE + EQUIPMENT WASHDOWN

EQUIPMENT DISASSY DIFFICULTY - BOLT GRINDING REQ'D

137

Location LPR Date 10-14-13

Project / Client SSP 2

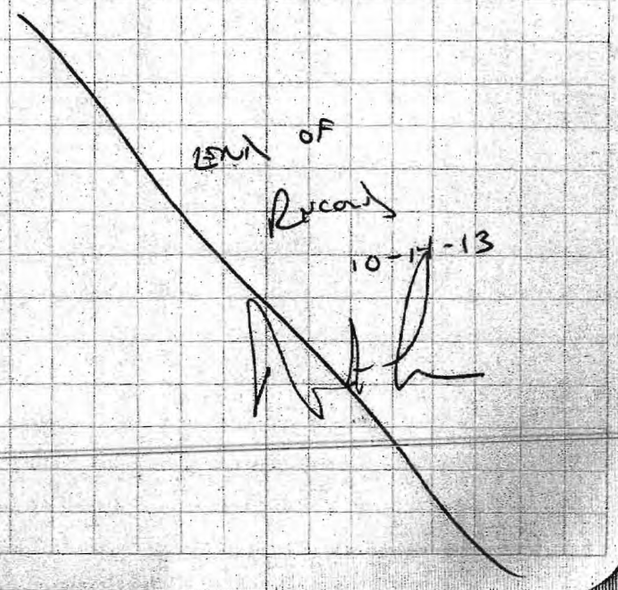
60139067 P405

15:55 EQUIPMENT DISASSY COMPLETE & MAST DOWN, PUMPS, ANCHORS

15:40 UNLOADING TO CPS DOCK

15:50 ARRIVE CPS DOCK

SAMPLES TRANSFERRED TO NATHAN PINSLOW 16:05



Location LPR Date 10-15-13

Project / Client SSP 2

60139067 P405

15 October 13 SSP 2 Sediment Sampling Aboard Survey Vessel Candy

Personnel

Jason DeLorenzo
Joe Pegnatero
Dion Lewis
Dave Smith
Sean O'Hare

Health & Safety Brief 7:10

Weather Clear, Cool

Depart CPG Dock 7:20

7:55 - Beyond RR Bridge and Stepping the Mast

Grab Sampler Decon Complete 7:55

8:15 Sean O'Hare Departs to CPG Dock on Transport Vessel

Location LPR Date 10-15-13

Project / Client SSP 2

60139067 P405

1 of 2 Outboards Overheating Issue - Trouble Shooting Complete 8:25

On Site at 0540, Setting Anchor Lines 8:30

13B-0540-C1

Water Z 8.0'
Collect C 9:00
E 592300.03
N 721038.55
X-Dist 18.2
Pen 9.5'
Rec 9.5'

Black Sediment at Core Tip
- Native not Encountered
→ Switch to 20' Barrel

140

Location LPR Date 10-15-13

Project / Client SSP 2

60139067 - P405

13B-0540-G1

WATER Z: 7.3'
COLLECT: 9:24
E 592299.17
N 721034.97
OVER PEN
REJECT
X-DIST 17.1'

G2

WATER Z 7.3'
COLLECT: 9:26
E 592300.09
N 721033.77
X-DIST: 15.8'

DESCRIPTION
VOCs, BACKGROUND 0.7
SEDIMENT 0.7
BROWN COLOR
SILT PRIMARILY
NO DEBRIS NOTED
O_2 I/FACE NOT OBSERVED
NO (LIVE) BIOLOGY NOTED

141

Location LPR Date 10-15-13

Project / Client SSP 2

60139067 P405

13B-0540-G2

WATER Z: 6.7'
COLLECT: 10:05
E 592301.03
N 721035.54
X-DIST 15.7'
REJECT
PEN 19'
REC —

SURFACE SEDIMENT OBSERVED
CHECK VALVE - REJECT

SEDIMENT CHARACTERIZATION:
APPROXIMATELY 11'
SOME SEDIMENT FOLLOWED BY
9' OF REX/NATIVE FINE
SAND BELOW
ALSO CLAY RICH LAYERS
NOTED WITHIN LOWER
NATIVE UNIT

Location LPR Date 10-15-13

Project / Client SSP 2

60139067 P405

13B-0540-C3

WATER Z 5.8'
COLLECT 11:05
E 592298.27
N 721035.53
X-DIST 18.2'
100% PEN 15.0'
REC 16.2

11:30 15' BATHY (SOUNDING FOUND); SEAN O'HARE RETURNS TO VESSEL VIA TRANSPORT VESSEL

NATIVE ENCOUNTERED ~ 11-12' FROM SURFACE

12:20 PROCESSING COMPLETE AND RETURNING TO STATION 0540

12:40 SETTING ANCHOR LINES AT 0540

Location LPR Date 10-15-13

Project / Client SSP 2

60139067 P405

13B-0540-C4

WATER Z 4.9'
COLLECT 13:05
E 592295.43
N 721028.35
X-DIST 19.2'
105% PEN 15.5'
REC REC 16.3

13:30 PROCESSING WATER (Z) NOT FOUND - LOW T.SET - AWAIT H_2O

14:30 C4 PROCESSING COMPLETE

14:50 EQUIPMENT UNRAVELING AND DIS-ASSY COMPLETE - LOWERING MAST

14:55 RETRIEVING ANCHORS

Location ZPR Date 10-15-13

Project / Client SSP 2

60139067 P405

15:00 UNMOORING TO CPG DOCK

15:30 ARRIVE CPG DOCK

SAMPLES TRANSFERRED TO MARTIN PINSKER 15:35

END OF RECORDS

15 OCT 13

Location Date

Project / Client

END OF LOGBOOK RECORDS

16 OCT 13

FIELD LOGBOOK ID #
60145884-2013-SSP2-
BOAT 1-02

Rite in the Rain®
ALL-WEATHER
ENVIRONMENTAL FIELD BOOK
№ 550

LOWER PASSAIC RIVER

DATES COVERED:

—

60145884-2013-SSP2-BOAT 1-02

ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD LOG

Name HELEN JONES PARRY / GEMMA KIRKWOOD
AECOM

Address 250 APOLLO DRIVE
CHELMSFORD MA 01824

Phone 978-905-2100

Project LOWER PASSAIC RIVER
60145884 -

LOGBOOK START DATE:
LOGBOOK END DATE:

This book is printed on "Wet in the Rain" all-weather writing paper. A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording every field data in all sorts of weather. For best results, use a pencil or an all-weather pen.

$25 REWARD IF FOUND AND RETURNED TO AECOM

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AUTHOR INFORMATION

PAGE	REFERENCE	DATE
1.	Lyon Lewis	10/16/13
	PRINTED NAME	
	SIGNATURE	INITIALS
2.		
	PRINTED NAME	
	SIGNATURE	INITIALS

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Project / Client SSP 2

60139067 P405

OCTOBER 16, 2013

SEDIMENT SAMPLING FOR SSP2

PROGRAM ABOARD CANDU

PERSONNEL

JASON DE LORENZO

JOE PEGNATERO

DION LEWIS

DAVE SMITH

SEAN O'HARE (CDM)

WEATHER: OVERCAST, COOL

HEALTH & SAFETY BRIEF @ 7:35

- REFER TO FORM ON FILE

DEPART CPG DOCK 7:45

GRAB SAMPLER DECON COMPLETE

8:15 AND STEPPING MAST

ANCHOR POINTS RETRIEVED

FROM STATION 0540 (FROM 10-15-13)

8:40

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

9:50 - SETTING ANCHOR LINES AT STATION 0539

9:20 ANCHOR SET & EQUIPMENT ASSY. FOLLOWING SM 0523 STRATEGY DISCUSSIONS WITH OFFICE

13B-0539-C1

WATER Z 6.3'
COLLECT @ 9:35
E 592053.62
N 721015.04
X-DIST 9.0'
PEN 9.8'
REC —

REJECT

SURFACE SEDIMENT EXITED CHECK VALVE

NATIVE PRESENT AT BASE - AT LEAST 2' WITH DRAG DOWN / SMEAR ABOVE

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

13B-0539-C2

WATER Z 5.6'
COLLECT @ 10:08
E 592051.14
N 721018.28
X-DIST 6.6'
PEN 8.5'
REC 8.1'

65%

NATIVE AT BASE

C3

WATER Z 4.7'
COLLECT @ 10:40
E 592052.73
N 721020.44
X-DIST 3.9'
PEN 9.0'
REC 9.0'

100%

NATIVE AT BASE

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

13B-0539-G1

WATER ℄ 4.5'

COLLECT ℄ 11:02

E 592054.60

N 721019.17

X-LIST 4.8'

slumped/ poor Rec Reject

G2

WATER ℄ 4.5'

COLLECT ℄ 11:05

E 592058.64

N 721021.33

X-LIST 4.9'

Accepted

DESCRIPTION: VOCs: 1.4 BKGRND · 1.5 SED

BROWN/SILT AT SURFACE TO ABOUT 1-2" (UNDERLAIN BY) BLACK/MORE COARSE BELOW

DENSITY I/FACE, WATER CONTENT TRANSITIONS ALSO AT THE 1-2" INTERFACE

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

O_2 OR CHEMICAL I/FACE AT 1-2" I/FACE

THIN SHELL MATERIAL PRESENT WITHIN BLACK LAYER

DEBRIS PRESENT INCL FISHING LINE

NO LIVING BIOLOGY NOTED

CLARIFY VOCs: 13B-0539-G2

BACKGROUND 1.4 ppm

SEDIMENT INC 1.5 ppm

12:00 ANCHOR LINES RETRIEVED

1-1 EQUIPMENT WASHDOWN

UNDERWAY TO STA 0544

12:15 SETTING ANCHORS AT STATION 0544

12:40 SAMPLES TRANSFERRED TO NEPTUNE PINCKEY

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

Grab Sampler Action Complete

12:50

13B-0544-G1

Water E 11.4

Collect E: 13:25

E 5945246.99

N 723853.04

x-dist 8.1

VOCs 1.2 Background

6.8 ppm at Sediment

Surface

Brown Silt with high

water content 0-2"

Surface layer

Thin dark multi-colored

coarse sand (dark brown)

below with low water content

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

13B-0544-G1 (continued)

No O_2 I/face observed

No debris noted

No living Biology

Vegetable matter present

4 x 2" Rock present and

Intermittent Gravel within

coarse sand matrix

13B-0544-C1

Water E 10.4

Collect E 14:00

E 5945246.43

N 723857.60

x-dist 4.8

Pen 5.2' Refusal

89% Rec 4.6

No Native Encountered

Location LPR Date 10-16-13

Project / Client SSP 2

60139067 P405

13B-0544-C2

WATER Z 10.4

COLLECT E 14:42

E 594544.06

N 723858.33

X-DIST 2.3'

NO NATIVE 98% PEN 4.3' REFUSAL

REC 4.2'

15:10 - RETRIEVING ANCHORS

15:20 LOWERING MAST

15:25 UNDERWAY TO CPG DOCK

15:45 ARRIVE CPG DOCK

16:00 TRANSFER SAMPLES TO NATHAN PINSKER

END OF RECORD 10/16/13

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

17 OCTOBER 13 SSP 2 SEDIMENT SAMPLING ABOARD THE SURVEY VESSEL CANDU

PERSONNEL

JASON DELORENZO

JOE PEGNATERO

DION LEWIS

DAVE SMITH

SEAN O'HARE

WEATHER: OVERCAST, LIGHT FOG

HEALTH & SAFETY BRIEF COMPLETE 7:35

DEPART CPG DOCK 7:40

STEPPING MAST 7:55

GRAB SAMPLED DECON COMPLETE 8:05

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

ARRIVE AT STATION 0549
@ 8:25

ANCHOR LINES SET: 8:50

13B-0549-C1

WATER Z 6.4'
COLLECT 9:05
E 596216.35
N 725182.77
X-DIST 19.5'
PEN 3.8' REFUSAL
REC 2.8'

REJECT 13%
REC

NO MATERIAL OBSERVED AT BASE

MATERIAL AT TIP:
DARK GREY MED-COARSE SAND

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

13B-0549-C2

WATER Z 6.4'
COLLECT 9:25
E 596219.15
N 725180.57
X-DIST 17.0'
PEN 3.2' REFUSAL AT 3.2'
REC 3.5'

10% REC

10-17-13

GREY MED-COARSE SAND AT BASE

C3

WATER Z 5.5'
COLLECT 10:12
E 596222.85
N 725178.66
X-DIST 15.3'
PEN 3.3' REFUSAL
REC 3.4'

10% REC

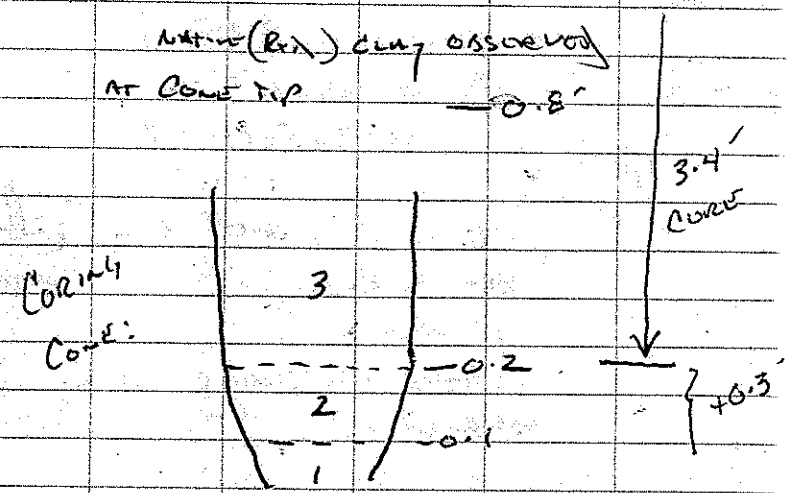
Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

DESCRIPTION 13B-0549-C3
(CONTINUED)

NATIVE (RED) CLAY OBSERVED
AT CONE TIP — 0.8'



1 NATIVE RED CLAY AT BASE

2 COBBLES WITHIN GREY
MED + COARSE SAND MATRIX

3 GREY MED + COARSE SAND
ABOVE
TOP OF CORE CATCHER
MATERIAL AT 0.8'

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

HELEN JONES ARRIVES 10:45
TO DISCUSS STATION 0523 POSITIONING

13B-0549-G1

WATER Z: 4.8'
COLLECT T: 10:58
E 596225.78
N 725177.55
X-DIST 15.1'

DESCRIPTION
VOCS 0.3 ppm BACKGROUND
0.3 SED SURFACE

DARK BROWN SILT AT
SURFACE
DENSITY I/FACE AT 0.3'
INCREASING / INCREASED
SAND CONTENT BELOW
DENSITY I/FACE
NO O_2 I/FACE OBSERVED
LESS MOISTURE BELOW
DENSITY I/FACE

Location LPR Date 10-17-13

Project / Client SSP 2

G0139067 P405

13B-0549-G1 DESCRIPTION (CONTINUED)

- NO LIVING BIOLOGY NOTED
- MINOR AMOUNTS OF (PLASTIC) DEBRIS OBSERVED

11:15 H. DOLES DEPARTS AND COMMENCE ANCHOR LINE RETRIEVAL

11:35 GRAB SAMPLING DECON COMPLETE

UNDERWAY TO 0552 11:40

ARRIVE 0552 AREA / SETTING ANCHOR LINES 11:45

ANCHOR LINES SECURE 11:50

Location LPR Date 10-17-13

Project / Client SSP 2

G0139067 P405

133-0552-G1

WATER Z: 15.1'
COLLECT T: 12:00
REJECT E 596922.54
OVERPEN N 727579.68
X-LIST 16.7

G2

WATER Z 15.1
COLLECT T 12:04
E 596924.55
ACCEPT N 727583.12
X-LIST 14.0

DESCRIPTION
VOCS: ∅
HIGH WATER CONTENT BROWN SILT AT SURFACE
NO MARKED DENSITY INTERFACE - VERY GRADUAL INCREASE AT DEPTH

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

13B-0552-G2

DESCRIPTION (CONTINUED):-

· NO O_2 I/FACE OBSERVED

· NO LIVING BIOLOGY NOTED

· DEBRIS PRESENT (PLASTIC FILM)

12:28 SAMPLES 0549

TRANSFERRED TO NATHAN PINSKER / TRANSFER VESSEL

EQUIPMENT WASHDOWN

13B-0552-C1

WATER Z 13.1'

COLLECT t 13:30

E 596920.86

N 727586.16

X-DIST 10.0'

105% REC PEN 5.8' REFUSAL

REC 6.1'

NATIVE APPARENT AT BASE

LOWER 3' NATIVE NOT RETAINED

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

13B-0552-C2

WATER Z 12.4'

COLLECT t 14:08

E 596919.31

N 727587.85

X-DIST 8.0'

108% REC PEN 6.0'

REC 6.5'

NATIVE CLAY AT BASE

LOWER SECTION OF NATIVE NOT RETAINED

· ALLOW HYDRAULICS TO COLL

C3 (FOR ADDED QC VOL)

WATER Z 11.3

COLLECT t 15:00

E 596917.09

N 727590.64

X-DIST 5.3

94% REC PEN 4.9

REC 4.6

Location LPR Date 10-17-13

Project / Client SSP 2

60139067 P405

13B-0552-C3 (CONTINUED)

NATIVE AT BASE - ENTIRE (SINGLE) SECTION RETAINED FOR SUBSAMPLING AS NEEDED

15:45 ANCHOR RETRIEVED, MAST DOWN AND UNDERWAY TO CPG DOCK

ARRIVE CPG DOCK 16:00

16:11 SAMPLES 13B-0552 TRANSFERRED TO NATHAN PINSKER

END OF RECORD 10-17-13

Location LPR Date 10-18-13

Project / Client SSP 2

60139067 P405

SSP 2 SEDIMENT SAMPLING
18 OCTOBER, 2013 ABOARD SURVEY VESSEL CANDU

PERSONNEL
JASON DE LORENZO
JOE PEGNATORO
DION LEWIS
DAVE SMITH
SEAN O'HARE
HELEN JONES

WEATHER. CLEAR, BREEZY, COOL

HEALTH & SAFETY BRIEF COMPLETE 7:25

LOWERING MAST 7:40

~~S. O'HARE TO JOIN VESSEL ON-WATER~~ X-ENTRY 10-18-13

S. O'HARE ARRIVES 7:45 & DEPARTS CPG DOCK

Location LPR Date 10-18-13

Project / Client SSP 2

60139067 P405

GRAB SAMPLE ABOVE
COMPLETE 7:55

ARRIVE STATION 0548
AREA @ STEP MAST 8:20
PASSING ENCOUNTERED, TECHNO APPROVED
ANCHOR LINES SET 8:45 @ SHORE

13B-0548-C1

WATER Z 4.7'
COLLECT @ 9:05
E 595605.79
N 724350.21
X-DIST 11.0'
99% PEN 8.8' REFUSAL
REC 8.75'

NO NATIVE OBSERVED
DARK MATERIAL TO BASE
WOOD AND PEAT-LIKE
MATERIAL NOTED AT TIP

Location LPR Date 10-18-13

Project / Client SSP 2

60139067 P405

13B-0548-C2

WATER Z 4.3'
COLLECT @ 9:55
E 595608.95
N 724355.06
X-DIST 5.2
98% PEN 8.7 REFUSAL
REC 8.5'

NO NATIVE OBSERVED - DARK
TO BASE - PEAT-LIKE MATERIAL
AGAIN AT TIP ⇒ REFUSAL LAYER

C3

WATER Z 3.9'
COLLECT @ 10:25'
E 595609.66
N 724357.17
X-DIST 3.0'
95% PEN 8.8' REFUSAL
REC 8.4'

NO NATIVE

SPONGE-LIKE PEAT AT CORE TIP

Location LPR Date 10-18-13

Project / Client SSP 2

60139067 P405

133-0548-G1

WATER Z 4.1

COLLECT E 10:50

E 595 605.73

N 724 343.28

X-LIST 17.2

DESCRIPTION

VOCs: ∅

BROWN SAND AND SILT AT SURFACE WITH SUBTLE SHIFT TO GREY-ISH COLOR AT DEPTH

No O_2 INTERFACE

OBSERVED>

NO DEBRIS OBSERVED

NO LIVING BIOLOGY

NOTED>

COARSE TEXTURE INCREASES AT DEPTH

Location LPR Date 10-18-13

Project / Client SSP 2

60139067 P405

11:25 EQUIPMENT WASHDOWN COMPLETE

11:35 MAST DOWN AND UNDERWAY TO CPG DOCK

12:00 ARRIVE CPG DOCK

SAMPLES 0548 TRANSFERRED TO NATHAN PINSKER 12:10

12:40 GRAB SAMPLER DECON COMPLETE

12:45 BEGIN GRAB SAMPLER EB 133-0548-G1AR

13:30 BEGIN CORE SYSTEM EB 133-0548-C3XR

14:20 EB SAMPLES TRANSFERRED TO NATHAN PINSKER

END OF RECORD> 10/18/13

Location LPR Date 10-21-13

Project / Client SSP 2

60139067 P405

Sediment Sampling for SSP2
Aboard Survey Vessel Candu

Personnel
Jason DeLorenzo
Morgan Barrett
Dion Lewis
Dave Smith
Helen Jones
Sam O'Hare

Safety Brief 7:00 - Refer
to H&S Form

Weather: Clear, cool

Depart CPG Dock 7:05

Grab Sampler Decon
Complete 7:30

Stepping Mast 7:45
Beyond De Jessa Bridge

Location LPR Date 10-21-13

Project / Client SSP 2

60139067 P405

Arrive 0517 Station 8:10
Anchors set 8:20 and S. O'Hare
Arrives via transport vessel

13B-0517-C2 (C1 collected
aboard Willow 10-11-13)

Water Z 19.4'
Collect t 8:50
E 591733.66
N 715010.17
v. dist 4.9'
Pen 20'
59% Rec 11.7
Rec

Description
Red (native) fine-med
sand at surface w/ clay
followed by coarse-med red
sand below and gravel at
base
No refusal encountered

Location LPR Date 10-21-13

Project / Client SSP 2

60139067 P405

13B-0517-C3

WATER Z 20.2'
COLLECT t 10:15
E 591736.35
N 714999.38
X-DIST 8.6'
PEN 12.0'
REC 7.4'

62% REC

DESCRIPTION:
REDD TRANSITION MED-COARSE SAND AT SURFACE TO ~7' THEN CLAY-RICH (NATIVE) AT BASE

NO NATIVE AT SURVEYING - MIS-ID THROUGH LINER INITIALLY

TRANSITION THRU-OUT WITH GRAVEL AT BASE

NO REFUSAL ENCOUNTERED (NATIVE ANTICIPATED)

Location LPR Date 10-21-13

Project / Client SSP 2

60139067 P405

13B-0517-C4

WATER Z 21.5'
COLLECT t 11:14
E 591723.74
714999.76 N 714999.76
X-DIST 9.6
PEN 12.9' REFUSAL
REC 7.9'

61%

DESCRIPTION
0.4' LEAF MATTER AT SURFACE WITH REDDISH TRANSITION BELOW - CONTINUOUS TO CONE TIP

C5

WATER Z 20.8'
COLLECT t 11:50
E 591727.54
N 715001.58
X-DIST 5.6'
PEN 20'
REC 11.5'

58% REC

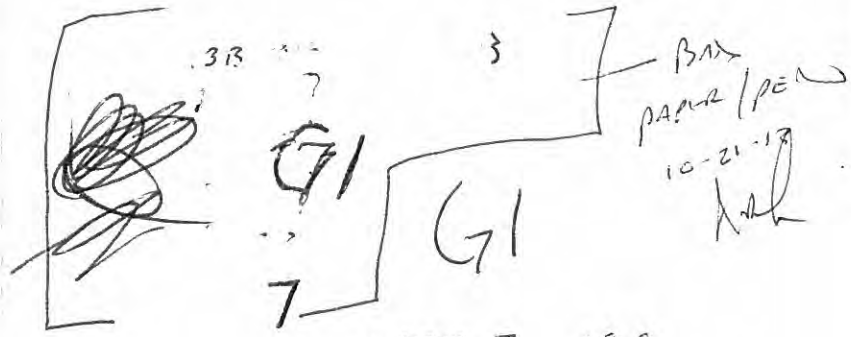
Location LPR Date 10-21-13

Project / Client SSP2

60139067 P405

13R-0517-C5' DESCRIPTION:

0-2' LEAF MATTER AT SURFACE THEN REDDISH FINE-MED COARSE SAND TO CONE-TIP => TRANSITION MATERIAL THRU OUT



WATER @ 19'
COLLECT @ 12:30
E 591731.50
N 715002.03
RULER X-DIST 4.0

Location LPR Date 10-21-13

Project / Client SSP2

60139067 P405

13B-0517-G7

X-COORD 10-21-13

E WATER @ 591734.56 E

N COLLECT @ 715997.82 N

X-COORD E @ 19.9 WATER @

N @ 12:34 COLLECT @

10-21-13 X-DIST 9.9

PARTIAL WASHOUT - BUT COLLECTED AVAILABLE MATERIAL

DESCRIPTION:

VOCs: ∅

SAND, GRAVEL & COBBLES AT SURFACE

SURFACE FINES LIKELY LOST AT REMOVAL

NO O_2 IMPACT OBSERVED

NO DEBRIS

NO LIVING BIOLOGY

SAND MATRIX IS REDDISH BROWN IN COLOR

Location LPR Date 10-21-13

Project / Client SSPZ

60139067 P405

ISB-0517-G3

WATER Z 19.9

COLLECT T 13:00

E 591728.38

N 714994.53

R-XIST 13.7

COMPLETE WATER

NO SEDIMENT CONTAINED

SAMPLE TRANSFERRED TO

NATHAN PLESKOW 13:57

14:00 RETRIEVE ANCHORS

14:10 ARRIVE STATION

0519

14:20 ANCHORS SET @

GRAB SECON

Location LPR Date 10-21-13

Project / Client SSPZ

60139067 P405

ISB-0519-G1

WATER Z 16.1'

COLLECT T 14:40

E 591716.63

N 715154.68

R-XIST 4.5

DESCRIPTION

VOC: Ø PPM

SURFACE PRIMARILY

BROWN SILT WITH SOME

FINE SAND CONTAINED

DENSITY IFACE = 0.3'

BUT NO APPARENT TEXTURE

CHANGE - DUE MOISTURE

CHANGE (DARKER BROWN)

DEBRIS PRESENT

NO LIVING BIOLOGY NOTED

NO O2 IFACE OBSERVED

BUT WITH POCKETS OF BLACK

VEGETABLE-LEAF MATTER

Location LPR Date 10-21-13

Project / Client SSP 2

60139067 P405

15:00 - EQUIPMENT WASHDOWN AND RETRIEVING ANCHORS

15:15 - ANCHORS UP AND HOMEWARD MAST

15:20 MAST SECURED AND UNDERWAY TO CPG DOCK

16:20 ARRIVE AT CPG DOCK

16:42 TRANSFERRED SAMPLES TO R. PURDY DIRECTLY (0519)

End of Records

10-21-13

Location LPR Date 10 22-13

Project / Client SSP 2

60139067 P405

22 OCTOBER 13 SSPC SAMPLING ABOARD CANTO

PERSONNEL

JASON DE LORENZO
MORGAN BARRETT
DION LEWIS
HEATH JONES
JEFF RACOWSKI

HEALTH & SAFETY BRIEF @ 7:15
REVIEW JHA FORM

WEATHER: CLEAR & COOL

DEPART CPG DOCK 7:20

GRAB SAMPLES RECOVERED COMPLETE 7:35

STEAMING MAST BEYOND DE LESSA BRIDGE 8:05

Location LPR Date 10-22-13

Project / Client SSP 2

60139067 P405

ARRIVE STATION 0519 8:30

AND BEGIN SETTING ANCHORS

ANCHORS SET 8:45

13B 0519-C2 (C1 COLLECTED 10-11-13 BY WILLIAMS TEAM)

WATER ≈ 18.3'

COLLECT @ 9:20

E 591722.98

N 715161.14

X-DIST 6.0'

887. PEN 20' to REFUSAL

REC 17.6'

DESCRIPTION:

ABOUT 15' BLACK MATERIAL ABOVE APPROX 2' OF COARSE "TRANSITIONAL" SAND

- DID NOT REACH REFUSAL

Location LPR Date 10-22-13

Project / Client SSP 2

60139067 P405

13B-0519-C3

WATER ≈ 19.8'

COLLECT @ 10:30

E 591720.25

REDUCE N 715157.10

X-DIST 1.8

75'. PEN 20.4'

REC 15.4'

NO REFUSAL REACHED

SIMILAR CHARACTER AS C2

BROWN FINE-MEDIUM SAND AT BASE

C4

WATER ≈ 19.4

COLLECT @ 11:50

E 591714.88

N 715159.91

X-DIST 7.6'

PEN 15.5 REFUSAL

REC ——

INTERMEDIATE DISCONNECT DUE TO CURRENT PROCESS / EQUIP & CORE LOST

Location LPR Date 10-22-13

Project / Client SSP 2

60139067 P405

12215 SAMPLES (C2)
TRANSFERRED TO NATHAN PLACKER
@ TRANSPORT BOAT

13B-0519-C5

WATER ± 19.6
COLLECT ± 12:30
E 591718.05
N 7151549
X-LIST 3.2
99% PEN 12.4' REFUSAL
REC 11.0'

BLACK MARINE THROUGHOUT
MEDIUM SAND WITH FEW
GRAVEL PARTICLES EMBEDDED
AT BASE

Location LPR Date 10-22-13

Project / Client SSP 2

60139067 P405

13B-0519-C6

WATER ± 18.5'
COLLECT ± 13:30
E 591718.09
N 7151549.40
REJECT X-LIST 4.9
66% PEN 20.4 NO REFUSAL
REC REC 13.5

DESCRIPTION
MUSTY BLACK THROUGH OUT
WITH BROWN MED-FINE SAND
AT BASE - MULTI-COLORED GRAINS
WITH REDDISH TINGE

14.25 ANCHORS RETRIEVED & S/L
LOWERING MAST

14:35 EQUIPMENT SECURE &
UNDERWAY TO CPG DOCK

Location LPR 10-22-13

Project SSP 2

60139067 P405

14:40 SAMPLES (C5) TRANSFERRED TO NATHAN PINSKER VIA TRANSPORT VESSEL

15:40 ARRIVE CPG DOCK

END OF RECORD 10-22-13

Location LPR 10-23-13

Project SSP 2

60139067 P405

23 OCTOBER 13 SSP 2 SEDIMENT SAMPLING ABOARD CANDU

PERSONNEL

JASON DELORENZO
JEFF PEDESKI
DION LEWIS
HELEN JONES
~~BEN HAMMOND~~ REPLACED BY SEAN 10-23-13
SEAN O'HARE

NAV CHECK COMPLETE 7:20

WEATHER CLOUDY & COOL

DEPART CPG DOCK 7:30

HEALTH & SAFETY BRIEF COMPLETED 7:55

8:15 BEYOND DE JESSA BR AND ANCHORING FOR EBLANK COLLECTION

8:30 GRAB DECON COMPLETE

Location LPR Date 10-23-13

Project / Client SSPZ

60139067 P405

8:35 COMMENCE COLLECTING 13B-0519-G1AR BLANK

9:10 BEGIN COLLECTING 13B-0519-C5AR BLANK

9:45 EQUIPMENT BLANKS COLLECTION COMPLETE

9:52 EB SAMPLES TRANSFERRED TO NATHAN PINSHER VIA TRANSPORT VESSEL

13B-0523 X-Y VERIFICATION AND THEN SETTING ANCHOR LINES (NEW X/Y LOCATION)

BEGIN WITH C3; C1 & C2 CORES COLLECTED 10-3-13 ABOARD WILLIAM

11:05 · ANCHOR LINES SECURE

Location LPR Date 10-23-13

Project / Client SSP Z

60139067 P405

13B-0523-C3

WATER ± 6.8'

COLLECT ± 11:15

E 592116.29

N 716643.58

X-DIST 7.7'

PEN 0.5' REFUSAL

REC —

C4

WATER ± 8.0'

COLLECT ± 11:35 11:35 ±

E 592125.30

N 716640.18

X-DIST 16.3'

PEN 20' NO REFUSAL

REC 13.4'

DESCRIPTION:

APPROX 9' OF BLACK SEDIMENT WITH RED NATIVE-LIKE MATERIAL BELOW AS OBSERVED THRU LINER

Location LPR Date 10-23-13

Project / Client SSP 2

60139067 P405

13B-0523-C5 w/out CATCHER FOR BETTER RECOVERY TRIAL/ATTEMPT

WATER ≠ 8.0 8.0'

COLLECT ≠ 13:15

E 592132.75

N 716635.40

REJECT ≠-LIST 24.4'

N 100% PEN 18' NO REFUSAL

(59%) REC 1.6

DESCRIPTION

~8.5' BLACK MATERIAL ABOVE 0.5' COARSE "TRANSITION" THEN NATIVE/ROCKISH LOOKING MATERIAL BACK TO CORE TIP

POOR RECOVERY MAY RESULT FROM PEAT-LIKE LAYER WITHIN THE BLACK STRATA WITH ROCKS & THEN SOFT SEDIMENT UNTIL COARSE LAYER IS ENCOUNTERED AND RECOVERY IS ACHIEVED AGAIN

Location LPR Date 10-23-13

Project / Client SSP 2

60139067 P405

13B-0523-C6 C6

WATER ≠ 5.8'

COLLECT ≠ 14:45

E 592124.48

N 716623.46

≠-LIST 23.4

75% PEN 20' NO REFUSAL

REC 15'

DESCRIPTION

ABOUT 7' OF BLACK (7') MATERIAL WITH ABOUT 8' OF NATIVE/ROCKISH SAND BELOW TO BASE

EQUIPMENT CHECK - ALL IN GOOD SHAPE - NO ISSUES IDENTIFIED

Location LPR Date 10-23-13

Project / Client SSP 2

60139067 P405

13B-0523-G1

WATER ≈ 4.5'
COLLECT @ 16.10
E 592132.69
N 716648.56
X-DIST 24.9

REJECT OVERFLOW

G2

WATER ≈ 4.5'
COLLECT @ 16.14
E 592126.46
N 716635.37
X-DIST 18.3

VOCs 0.9 ppm
BROWN SILT AT SURFACE
DENSITY INTERFACE (VERY SLIGHT Ø CHANGE
NO COARSE NOTED
O_2 I/FACE NOT OBSERVED)

Location LPR Date 10-23-13

Project / Client SSP 2

60139067 P405

(13B-0523-G2AS)

- NO LIVING BIOLOGY OBSERVED
- MINOR ANTHRO (PLASTIC) PRESENT

16:40 EQUIPMENT SECURED, LOWERING MAST

16:44 ANCHORS UP AND UNDERWAY TO CPG DOCK

17:40 ARRIVE CPG DOCK

17:45 SAMPLES (13B-0523-G2AS) TRANSFERRED TO NATHAN BINKLEY

END OF RECORD
10-23-13

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405 [signature]

SSP 2 SEDIMENT SAMPLING
24 OCTOBER 13 ABOARD CANTO

PERSONNEL
Jason DeLorenzo
Jeff Pyrzeski
Morgan Barrett
Dion Lewis
Helen Jones
Nathan Pinker
Sean O'Hare

Jason & Morgan to alternate Canto / Carolina skiff to support River tour for Integral (M. Greenblatt) et al

Weather: Clear, cold

7:10 DEPART CPG DOCK

7:15 SAFETY BRIEF

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405 [signature]

7:40 STEPPING MAST

8:05 ANCHOR LINES SET
FOR STATION 0578 (_L & _H)

8:15 Jason DeLorenzo DEPARTS,
MORGAN BARRETT ABOARD

13B-0578~~H~~-C1
HAJP 10/24/13

WATER Z 10.1'
COLLECT C 8:35
E 595286.91
N 723921.14
X-DIST 3.8'
PEN 9.5 No Refusal
96% REC 9.1
REC

BLACK THRU-OUT WITH
RED / NATIVE CLAY RICH FINE
SAND AT BASE 0.4' NATIVE
RETRIEVED FROM CONE

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405 [signature]

13B-0578~~A~~-C2

HAJP 10/24/13

WATER Z: 10.6'

COLLECT t: 9:20

E 595284.90

N 723916.08

X-DIST 2.5'

82% PEN 10' NO REFUSAL

REC 8.2'

BLACK SEDIMENT THRU OUT

NO NATIVE OBSERVED AT CONE TIP

10:35 GRAB SAMPLER DECON COMPLETE

13B-0578~~A~~-G1

HAJP 10/24/13

WATER Z 12.2'

COLLECT t 10:38

E 595283.84

N 723913.24

X-DIST 5.3

REJECT LG METAL DEBRIS IN JAWS

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405 [signature]

13B-0578~~A~~-G2

HAJP 10/24/13

WATER Z 12.2'

COLLECT t 10:45

E 595284.33

N 723909.80

X-DIST 8.7

BROWN SILT WITH HIGH WATER CONTENT THRU OUT*

NO σ I/FACE NOTED

NO O_2 I/FACE

NO LIVE BIOLOGY PRESENT

MINOR AMT OF DEBRIS (PLASTIC) PRESENT

* BLACK SILT + SAND + GRAVEL OBSERVED AT ABOUT 5" DEPTH

11:35 TRANSPORT VESSEL ARRIVES

11:36 SAMPLES TRANSFERRED WITH NATHAN PINSKER (CORES ONLY)

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405

11:44 TRANSPORT VESSEL
DEPARTS WITH H. JONES
(& NATHAN & SAMPLES)

13B-0578 C~~1~~3
HAJP 10/24/13

WATER Z 16.0
COLLECT t 12:00
E 595278.95
N 723931.41
X-DIST 1.9'
PEN 10'
REC OVER

Reject

3' OF NATIVE LOOKING
MAT'L AT BASE
BLACK MATRIAL ABOVE

12:15 SYSTEM WASHDOWN
AND VALVE CLEAN-OUT

Location LPR Date 10-24-13

Project / Client SSP2

60139067 P405

13B-0578-C~~2~~4
HAJP 10/24/13

WATER Z 15.1
COLLECT t 12:40
E 595279.15
N 723927.87
X-DIST 3.3
PEN 9.5' NO REFUSAL
REC 7.4'

Reject 78%

NATIVE / ROX FINE SAND w/
CLAY AT BASE

C~~3~~5
HAJP 10/24/13
WATER Z 15.0
COLLECT t 13:45
E 595276.38
N 723928.09
X-DIST 5.1
PEN 9.6 NO REFUSAL
REC 9.6

100%

ROX/NATIVE OBSERVED AT
BASE (~3')

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405

13B-0578-C46

HMGP 10/24/13

WATER Z 15.9

COLLECT 14:20

E 595272.38

N 723934.37

K-LIST 9.1

162' PEN 9.5 NO REFUSAL

REC 9.7

NAILS OBSERVED AT BASE

C47

HMGP 10/24/13

WATER Z 14.5

COLLECT 15:20

E 595271.17

N 723930.81

K-LIST 9.5

162' PEN 9.5

REC 9.7

NATIVE IRON AT BASE

(~ 3' AT BASE)

Location LPR Date 10-24-13

Project / Client SSP 2

60139067 P405

15:55 ANCHOR LINES REMOVED AND LOWERING MAST

16:00 MAST SECURED, UNDERWAY TO CPG DOCK

16:30 ARRIVE CPG DOCK

16:47 TRANSFER SAMPLES (GZAS, C3, C4, C5) TO NATHAN PINSKER

END of Rotary

10-24-13

Location LPR Date 10-25-13

Project / Client SSP 2

60139067 P405

SSP 2 SEDIMENT SAMPLING
ABOARD CANDU

PERSONNEL
JASON DE LORENZO
JEFF PYDESKI
DION LEWIS
NATHAN PINSKER
HELEN JONES
SEAN O'HARE

WEATHER SUNNY & COLD
DEPART CPG DOCK 9:35
HEALTH & SAFETY BRIEF 9:40
REFER TO H & S FORM

UNDERWAY TO 0578 TO
COLLECT ADDITIONAL HIGH
RES CORES - TO NATIVE

CORES COLLECTED 10-24-13
HAVE BEEN RE-NUMBERED / RE LABELED PER
H. JONES DIRECTIVE - BEGIN WITH
C8 FOR ADDED CORE SET

Location LPR Date 10-25-13

Project / Client SSP 2

60139067 P405

ARRIVE STATION AREA 10:05 &
STEPPING / SECURING MAST

ANCHORS SET 10:40 & GEAR
ASSY

13B-0578-C8

WATER Z 12.5
COLLECT T 11:00
E 595272.62
N 723924.13
X-DIST 10.4
97% PEN 9.5
REC 9.2

NATIVE AT BASE

Location LPR Date 10-25-13

Project / Client SSP2

60139067 P405 KMH

13B-0578-C9

WATER Z 14.0
COLLECT T 11:35
E 5952 71.98
N 7239 28.29
163'. X-DIST 9.0'
PEN 9.5'
REC 9.8'

NATIVE AT BASE

12:15 SAMPLES TRANSFERRED TO NATHAN PINSENT VIA TRANSPORT VESSEL

TRANSPORT VESSEL TO CPG DOCK WITH SAMPLES AND TO PICKUP RECON'S CORING CORE / CATCHER TO ADDRESS RE-SAMPLED STATION (0578)

13:50 EQUIPMENT ARRIVED CPG DOCK

Location LPR Date 10-25-13

Project / Client SSP2

60139067 P405 KMH

CAMAU ON STATION 0547

13B-0547-C4 (C1, C2, C3 SAMPLED 9/24 BY WILDCO CREW)

WATER Z 13.0
COLLECT T 14:12
E 595004.95
N 723820.76 X-CENTER 10-25-13
COLLECT X-DIST ~~13.0~~ 20.9'
PEN 9.5'
REC OVER

C5

WATER Z 12.9'
COLLECT T 14:40
E 595010.55
N 723820.57
X-DIST 16.4'
96'. PEN 9.5'
REC 9.1

NATIVE AT BASE

Location LPR Date 10-25-13

Project / Client SSP 2

60139067 P405

13B-0547-C6

WATER Z 11.9'
COLLECT Z 15:20
E 595012.77
N 723818.96
X-DIST 13.7'
92% PEN 9.5'
REC 8.7

NATIVE AT BASE

15:55 CAROLINA SKIFF DEPARTS FOR HOBO WORK WITH JASON DELORENZO, HELEN JONES AND NATHAN PINSKER

16:10 LOWERING MAST, ANCHOR LINES SECURED; 1620 UNDERWAY TO CPG DOCK

Location LPR Date 10-25-13

Project / Client SSP 2

60139067 P405

16:50 ARRIVE CPG DOCK

17:19 TRANSFER SAMPLES DIRECTLY TO REI-HUA WANG (NATHAN PINSKER COLLECTING HOBO/SENSORS)

END OF RECORD 10-25-13

FIELD LOGBOOK ID#
60145884-2013-SSP2-
BOAT 2 - 01

ENVIRONMENTAL
FIELD BOOK
№ 550

LOWER PASSAIC RIVER

DATES COVERED:

60145884 - 2013 - SSP2 - BOAT 2 - 01

Rite in the Rain
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

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Project LOWER PASSAIC RIVER
60145884 -
LOGBOOK START DATE: 9/23/2013
LOGBOOK END DATE: 10/9/2013

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AUTHOR INFORMATION

PAGE	REFERENCE	DATE
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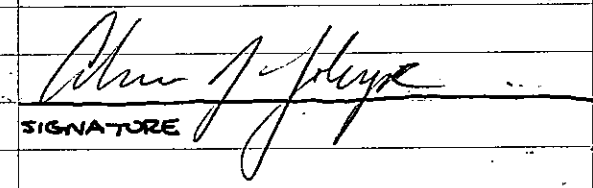
	PRINTED NAME	
		
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Location LPR Date 9/23/13

Project / Client SSP2

Sampling Summary for SSP2
Weather 67°F Humidity: 50%
High Tides: 1145hrs/0000hrs.

Personnel on Board:

OSI
Steve Boak - Captain
Jeff Rydeski - Tech
Vessel: Wilda (pontoon)

Arcom
Drew Foley - Boat Lead
Steve Howe

1550 Load Boat at CPG Dock

1618 Depart Dock

1645 Arrive at 13B-0547/13B-0546

1715 Set-up Coring at 13B-0547

1720 Total depth at 13B-0547 is 9ft 5in

Distance from target 28'
Did not pull clear here

Location LPR Date 9/23/13

Project / Client SSP2

1535 DECON SEDIMENT GRAB. DID NOT PULL GRAB. TOO DARK. ONE CORE COLLECTED FROM

1851 DARK/SUNSET; PULL ANCHOR AND RETURN TO CPG.

1923 ARRIVE AT CPG.

Location LPR Date 9/23/13

Project / Client SSP2

6

Location LPR Date 9/24/13

Project / Client SSP2

06.00	ARRIVE AT CPG; GATHER SUPPLIES
0645	LOAD BOAT AT CPG DOCK
0715	DEPART DOCK AT CPG
	VESSEL WILDA
	OSI CAPTAIN STEVE BODAK
	OSI JEFF PYDESKI - DECK HAND
	AECOM DREW FOLEY - BOAT LEAD
	AECOM STEVE HOWE - TECHNICIAN
	WEATHER SUNNY 46°F HUMIDITY 50%
	PROPOSED SAMPLING STATIONS
	13B-0563
	13B-0564
0740	ON STATION AWAITING HIGH TIDE TO COMPLETELY GET ON. WATER LEVEL RISING.
0758	ABLE TO BE ~~GET~~ ON STATION COMPLETELY. DEPTH 4.1 FT. STATION 13B-0563

Location LPR Date 9/24/13

7

Project / Client SSP2

0800 SET-UP CORING EQUIPMENT AT 13B-0563

13B-0563-C1

TOTAL DEPTH: 3.6 FT (~~3FT 6"~~)

DISTANCE FROM TARGET: 5FT ENE

EASTING: 598522.48

NORTHING: 738363.61

0815 1ST CORE ATTEMPT

PENETRATION DEPTH: 8.0 FT.

% RECOVERY: 84.37% (6.8 FT)

OXIDATION DEPTH 1.2 FT.

CORE3BEGIN 0810

CORE1END 0815 /STOP

CORE #1 DID NOT REACH NATIVE. HIT COMPACTED SAND AT 8FT. REFUSAL AT 8FT.

CUT INTO 2 SEGMENTS A-B 4 FT
B-C 2 FT

Location LPR Date 9/24/13

Project / Client SSP2

13B-0563-C2

TOTAL DEPTH: 6.0 FT

DISTANCE FROM TARGET: 9.2 FT ENE

NJ STATE PLANE (NAD 83)

EASTING 598526.65

NORTHING 738362.74

2nd CORE ATTEMPT

CORE 2 IN: 0930

CORE 2 OUT: 0937

REFUSAL AT ~~15.5 FT~~ OF 9.5 FT.

PENETRATION DEPTH 9.5 FT

% RECOVERY 86.3% (8.2 FT)

OXIDATION DEPTH: 1.0 FT

REFUSAL AT 9.5 FT, Compacted Sand

CORE CUT INTO TWO SEGMENTS A-B 4 FT

B-C 3 FT

Location LPR Date 9/24/13

Project / Client SSP2

13B-0563-G1

1053

GRAB 1 CLOSED: 1053 collected

TOTAL WATER DEPTH: 8.1 FT.

EASTING 598519.21

NORTHING 738363.59

COLOR - GRAY; BROWN

GRAB METHOD: Power Grab

NO BIOLOGICAL MATERIAL

DEBRIS - LEAVES; STICKS; PLASTIC

NO SHEEN

ACTUAL PENETRATION: 9 inches

TARGET PENETRATION: 12 inches

Redox Potential Discontinuity

KEPT FOR SAMPLE - YES.

TEXTURE: SAND W/ SILT (FINE TO MED SAND)

PID READING = All Zeros; O_2 20.9

1220 TRANSPORT BOAT ARRIVES.

TRANSFER SAMPLES TO N. PINSKER

SAMPLES TRANSFERRED:

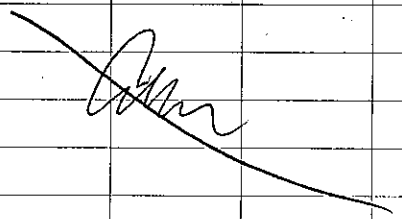
13B-0563-C1 13B-0563-C2

13B-0563-C2

Location LPR Date 9/24/13

Project / Client SSP2

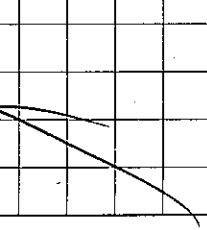
1225	MOB TO 13B-0564
1230	ON STATION 13B-0564
1235	DECON POWER GEARS AND EQUIP.
	13B-0564-C1
	TOTAL DEPTH: 9.6 FT
1245	BEGIN CORE 1: INTO SEDIMENT
1252	END CORE 1: OUT OF SEDIMENT
	DISTANCE FROM TARGET: 3.6 SOUTH
	EASTING: ~~599074.94~~ 599075.20
	NORTHING: ~~738101.40~~ 738097.81
	REFUSAL AT 8.2 FT; PUSHING SAND/GRAVEL
	PENETRATION DEPTH: 8.2 FT.
	% RECOVERY: 36.6% (3FT)
	OXIDATION DEPTH: NONE OBSERVED
	ONE SEGMENT A-B 4FT
1321	RE-POSITIONING BOAT



Location LPR Date 9/24/13

Project / Client SSP2

	13B-0564-C2
	TOTAL DEPTH: 11.3 FT
1327	BEGIN CORE: INTO SEDIMENT
1331	END CORE: OUT OF SEDIMENT/STOP
	DISTANCE FROM TARGET: 13.3 FT
	EASTING: 599086.36
	NORTHING: 738108.19
	REFUSAL AT 4 FT; HITTING GRAVEL/SAND
	PENETRATION DEPTH: 4FT
	% RECOVERY: 50% (2FT)
	OXIDATION DEPTH: POCKETS OF OXIDATION
	OSI CORE REFUSAL AT 4FT WHEN
	HITTING COMPACTED GRAVEL/SAND
1355	REPOSITION BOAT



Location LPR Date 9/24/13

Project / Client SSP2

13B-0564-C3

TOTAL DEPTH: 10.6 FT

1402 BEGIN CORE: INTO SEDIMENT

1405 END CORE: OUT OF SEDIMENT/STOP

DISTANCE FROM TARGET: 15.2 FT

EASTING: 599079.08

NORTHING: 738116.01

REFUSAL AT: 4.5 FT

PENETRATION DEPTH: 4.5 FT

% RECOVERY: 53.3

OXIDATION DEPTH: 12 inches

ONE SEGMENT A-B 4FT

1445 TIDE IS BEGINNING TO FALL

HIGH TIDE: 1234 hrs

LOW TIDE: 0650 / 1937 hrs.

1454 13B-0564-G1 ATTEMPT FULL OF Large Debris; discarded

PID READINGS = ZERO

Location LPR Date 9/24/13

Project / Client SSP2

13B-0564-G2

TOTAL DEPTH: 8.7 FT

DISTANCE FROM TARGET 20.8' NW

1457 GRAB CLOSED

EASTING: 599059.94

NORTHING: 738115.85

COLOR: DARK GRAY/BLACK

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: Y (woody debris)

DEBRIS: WOODY PIECES

SHEEN OBS: NO

ACTUAL PENETRATION: 6"

TARGET PENETRATION: 12"

REDOX POTENTIAL DISCONTINUITY:

KEPT FOR SAMPLE: YES

TEXTURE: Silt; Sand; GRAVEL

PID READING: 0.1 to 0.3 VOCs; ALL OTHERS ZERO

1530 pull Anchor/Spuds D2=19.8

1558 ARRIVE AT CRG

1600 TRANSFER SAMPLES TO N. PINSKER

13B-0564-C1
13B-0564-C2
13B-0564-C3
13B-0564-G2

Location LPR Date 9/25/13

Project / Client SSP2

0600	ARRIVE AT CPG
0645	LOAD BOAT AT CPG DOCK
0700	DEPART CPG DOCK FOR 13B-0504
	CURRENT TIDE: LOW @ 0735
	VESSEL: WILDU
	OSI · CAPTAIN · STEVE BODAK
	OSI · JEFF PYDESKI · DECK HAND
	ARCOM · STEVE HOWE
	ARCOM · DREW FOLEY
	WEATHER: SUNNY; COOL; 49°F
	50% HUMIDITY; WIND NNW
	PROPOSED SAMPLING STATIONS
	13B-0504
	13B-0512
750	ARRIVE AT 13B-0504
752	SPUDS IN
0800	BEGIN SET UP FOR CORE1

Location LPR Date 9/25/13

Project / Client SSP2

0821	BEGIN CORE ON 13B-0504-C1
	TOTAL DEPTH: 6.4FT
	DISTANCE FROM TARGET: 4.8 FT ~~STATE~~ SE
	EASTING: 587272.51
	NORTHING: 706062.47
0827	END CORE ON 13B-0504-C1
	NO REFUSAL @ 10FT INTO CORE.
	PENETRATION DEPTH 10FT.
	DID NOT HIT NATIVE SOIL.
	% RECOVERY: 89.5% (8.95 FT)
	THIS STATION IS BEING TRANSFERED TO THE VESSEL CANDU AS IT HAS GREATER DEPTH CORING CAPABILITES.
	SAMPLE COLLECTED SAVED FOR IDW.
	SEGMENTS A-B (4.6FT) B-C (4.6FT)
0910	MOB TO STATION 13B-0512
0935	ARRIVE AT 13B-0512
0940	SPUDS IN

16

Location LPR Date 9/25/13

Project / Client SSP2

13B-0512-C1

0952 BEGIN CORE 1 - INTO SEDIMENT

0957 END CORE 2 - OUT OF SEDIMENT/STOP

CURRENT TIDE: FLOODING

TOTAL DEPTH: 2.6 FT.

DISTANCE FROM TARGET: 4.0 FT ~~NNW~~ any SE

EASTING: 590445.17

NORTHING: 713277.07

PENETRATION: 9.5 FT

REFUSAL AT 9.5 FT. COMPACTED SAND

% RECOVERY: ~~73.7%~~ (6.8 FT) 71.6%

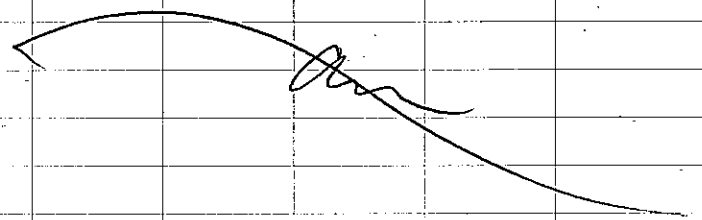
OXIDATION DEPTH: 2.1 FT

SEGMENT A-B 1 FT

SEGMENT B-C 2.5 FT

SEGMENT C-D 3.3 FT

1026 SET UP FOR 13B-0512-C2



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Location LPR Date 9/25/13

Project / Client SSP2

13B-0512-C2

1047 BEGIN CORE 2 INTO SEDIMENT

1051 END CORE 2: OUT OF SEDIMENT/STOP

TOTAL DEPTH: 4.2

TIDE: ON TO HIGH TIDE (13:34); FLOODING

DISTANCE FROM TARGET: 6.0 FT ~~NNE~~ SE

EASTING: 590450.60

NORTHING: 713278.77

REFUSAL AT 9.3FT COMPACTED SAND

PENETRATION: 9.3 FT

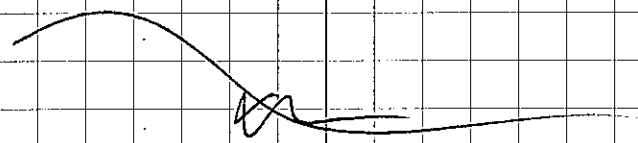
% RECOVERY 64.5% (6FT)

OXIDATION DEPTH: 3.3FT

SEGMENT A-B 3FT

SEGMENT B-C 3FT

1122 SET UP FOR 13B-0512-C3



Location LPR Date 9/25/13

Project / Client SSP2

13B-0512-C3

1133 BEGIN CORE INTO SEDIMENT

1138 END CORE OUT OF SED/STOP

CURRENT TIDE: ON TO HIGH; Flooding tide

TOTAL DEPTH: 5.4 FT

DISTANCE FROM TARGET: 7.5 FT E

EASTING: 590444.25

NORTHING: 713266.81

PENETRATION: 9.3 FT

REFUSAL AT 9.3 FT COMPACTED SAND.

% RECOVERY: (77.4%) 7.2 FT

OXIDATION DEPTH:

SEGMENT AB 3.8 FT.

SEGMENT BC 3.7 FT

1212 RE-POSITION FOR 13B-0512-G1

Location LPR Date 9/25/13

Project / Client SSP2

13B-0512-G1

TOTAL DEPTH: 7.1 FT

DISTANCE FROM TARGET: 8.5 FT E

1217 GRAB CLOSED

EASTING: 590455.30

NORTHING: 713271.60

COLOR: GRAY; BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NONE

DEBRIS: NONE

SHEEN OBSERVED: NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: NO

KEPT FOR SAMPLE: Y

TEXTURE: SILT

PID READINGS = ZERO

1245 DECON POWER GRAB

1300 MOB TO 13B-0514

Location LPR Date 9/25/13

Project / Client SSP2

13B-0514-C1

1306 BEGIN CORE 1 - INTO SEDIMENT

1312 END CORE 1 - OUT OF SEDIMENT/STOP

CURRENT TIDE: FLOOD; HIGH 1334

TOTAL DEPTH: 5.3 FT

DISTANCE FROM TARGET: 4.7FT NE

EASTING: 590685.29

NORTHING: 713588.38

PENETRATION: ~~4.6~~ ASF 7.1 FT

REFUSAL AT 7.1 FT

% RECOVERY (65.6%) (4.65 FT)

OXIDATION DEPTH: 3FT

SEGMENT A-B 4.85 FT

1347 SET UP FOR 13B-0514-C2

Location LPR Date 9/25/13

Project / Client SSP2

13B-0514-C2

1402 BEGIN CORE 2 - INTO SEDIMENT/START

1408 END CORE 2 - OUT OF SEDIMENT/STOP

CURRENT TIDE: HIGH

TOTAL DEPTH: 8.0

DISTANCE FROM TARGET: 18.2 SE

EASTING: 590697.16

NORTHING: 713577.61

PENETRATION: 7.5 FT

REFUSAL AT 7.5 FT

% RECOVERY 73.3% (5.5 FT)

OXIDATION DEPTH: 2FT

SEGMENT AB 2.2 FT

SEGMENT BC 3.3 FT

1420 SET UP FOR 13B-0514-C3

Location LPR Date 9/25/13

Project / Client SSP2

13B-0514-C3

1426 BEGIN CORE

1431 END CORE / STOP

CURRENT TIDE: HIGH; BEGINNING TO FALL

TOTAL DEPTH: 6.1 FT

DISTANCE FROM TARGET: 9.2 East

EASTING: 590695.29

NORTHING: 713588.49

PENETRATION: 6.9 FT

REFUSAL AT: 6.9 FT

% RECOVERY 58% (4FT)

OXIDATION DEPTH: 1.5 FT

SEGMENT AB 4FT

1450 SET UP FOR 13B-0514-G2

Location LPR Date 9/25/13

Project / Client SSP2

13B-0514-G1

TOTAL DEPTH: 4.9 FT

DISTANCE FROM TARGET: 4.7 FT.

1503 GRAB CLOSED

EASTING: 590691.75

NORTHING: 713593.01

COLOR: GRAY, BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES

SHEEN OBSERVED: NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

KEPT FOR SAMPLE: YES

TEXTURE: SILTY, SAND

P.I.D READING: ZERO ACROSS all

1538 MOB BACK TO CPG DOCK

1617 ARRIVE AT CPG DOCK; TRANSFER SAMPLES TO N. Pinsker

Location LPR Date 9/26/13

Project / Client SSP2

0555 ARRIVE AT CPG

625 LOAD BOAT AT CPG DOCK

700 RETURN TO CPG FOR ICE FOR THE CANDU/DION

720 DEPART DOCK FOR 13B-0533

WEATHER 50°F; HUMIDITY 50%
WIND 2.7mph NNE
CLOUDY; EXPECTED TO CLEAR up.

VESSEL: WILDU
OSI · CAPTAIN · STEVE BODAK
OSI · TECH · JEFF PYDESKI
AECOM · TECH · STEVE HOWE
AECOM · LEAD · DREW FOLEY

PROPOSED SAMPLING:
13B-0533
13B-0550

TIDAL CONDITIONS:
CURRENT TIDE - FALLING
LOW - 0830
HIGH - 1414

Location LPR Date 9/26/13

Project / Client SSP2

755 ON STATION 13B0533
0815 Spuds IN

13B-0533
TIDE: LOW
TOTAL DEPTH: 7.2 FT
0829 BEGIN CORE - INTO SEDIMENT
DISTANCE FROM TARGET: 7.8FT NE
EASTING: 592159.64
NORTHING: 719014.90
PENETRATION: 10 FT
REFUSAL AT 10FT CLAY COMPACTED
% RECOVERY 93% (9.3FT)
OXIDATION DEPTH: 0.5FT
0836 END CORE: OUT OF SEDIMENT/STOP
SEGMENT A-B 4FT
SEGMENT B-C 3.0
SEGMENT C-D 3.4 FT

0912 SET up FOR CORE 2 @ 13B-0533

Location LPR Date 9/26/13

Project / Client SSP2

13B-0533-C2

0921 BEGIN CORE - into sediment / STBD

0927 END CORE - out of sediment / STBD

TIDE: LOW

TOTAL DEPTH: 7.0 FT

TIME OF HIGH TIDE: 1414

DISTANCE FROM TARGET: 7.8 FT NE

EASTING: 592160.53

NORTHING: 719012.83

PENETRATION: 10 FT

REFUSAL AT 10FT COMPLETED CLAY.

% RECOVERY 94% (9.4FT)

OXIDATION DEPTH: 1-2 FT

SEGMENT AB 3.8FT

SEGMENT BC 2.5FT

Segment CD 3.4FT

0947 PREP FOR CORE 3 @ 13B-0533-C3

Location LPR Date 9/26/13

Project / Client SSP2

13B-0533-C3

1007 BEGIN CORE - INTO SEDIMENT

1011 END CORE - OUT OF SEDIMENT

TIDE: FLOODING

TOTAL DEPTH: 7.5FT

DISTANCE FROM TARGET: 11.9FT NE

EASTING: 592160.84

NORTHING: 719019.11

PENETRATION: 10 FT

REFUSAL AT 10FT COMPLETED clay, red sand

% RECOVERY: 93.5% (9.35FT)

OXIDATION DEPTH

SEGMENT AB 4.2FT (3.5FT TO MUD)

Segment BC 2.2FT

SEGMENT CD 3.65FT

1045 DECON GEAR

1054 DECON Complete

28

Location LPR Date 9/26/13

Project / Client SSP2

13B-0533-G1

TOTAL DEPTH: 8.5 FT

DISTANCE FROM TARGET: 12.7 FT NE

TIDE: FLOODING

1100 GRAB CLOSED

EASTING: 592161.25

NORTHING: 719020.39

COLOR: GRAY, BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: NO

SHEEN OBSERVED: NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

KEPT FOR SAMPLE: YES

TEXTURE: Silt; SAND (FINE)

PID READING: ZERO FOR ALL PARAMETERS; EXCEPT O_2 = 21.5

1135 MOB TO 13B-0550

29

Location LPR Date 9/26/13

Project / Client SSP2

1152 ARRIVE AT 13B-0550; BEGIN SET UP FOR CORING.

1201 TRANSPORT BOAT ARRIVES

1210 TRANSFER SAMPLES TO TRANSPORT BOAT

TRANSFERED TO: NATHAN PINSKER

SAMPLES TRANSFERRED:

13B-0533-C1

13B-0533-C2

13B-0533-C3

13B-0533-G1

1217 TRANSPORT BOAT DEPARTS FOR CPG DOCK W/ SAMPLES.

1220 REPOSITION WILDA ON 13B-550; PREP FOR CORING.

1223 SPUDS IN

Location LPR Date 9/26/13

Project / Client SSP2

13B-0550-C1

1234 BEGIN CORE - INTO SEDIMENT

1237 END CORE - OUT OF SEDIMENT/STOP

TIDE: FLOODING; HIGH TIDE 1400hrs

TOTAL DEPTH: 5.2 FT

~~DISTANCE~~ DISTANCE TO TARGET: 8.3 FT SSE ~~NNW~~ NJF

EASTING: 596543.20

NORTHING: 725257.85

PENETRATION: 5.1 FT

REFUSAL: 5.1 FT SOLID REFUSAL

% RECOVERY: 91.2% (4.7 FT)

OXIDATION DEPTH: ENTIRE LENGTH 4.7 FT

SEGMENT A-B 3.1 FT (MUDLINE 2.8 FT)

Segment B-C 1.7 FT

1302 PREP FOR 13B-0550-C2

Location LPR Date 9/26/13

Project / Client SSP2

13B-0550-C2

1310 BEGIN CORE - INTO SEDIMENT

1313 END CORE - OUT OF SEDIMENT

TIDE: FLOODING

TOTAL DEPTH: 5.7 FT

DISTANCE TO TARGET: 7.8FT SE

EASTING: 596544.87

NORTHING: 725259.44

PENETRATION: 5.2 FT

REFUSAL AT 5.2 FT (HARD REFUSAL REDDISH COMPACTED SAND/clay GRAVEL)

% RECOVERY 59.6% (3.1 FT)

OXIDATION DEPTH - 3.1 FT (ENTIRE CORE)

SEGMENT AB 3.1 FT

1345 PREP FOR 13B-0550-C3

Location LPR Date 9/26/13

Project / Client SSP2

13B-0550-C3

1357 BEGIN CORE - INTO SEDIMENT

1359 END CORE - OUT OF SEDIMENT

TIDE: FLOODING; HIGH TIDE @ 1414

TOTAL DEPTH: 5.2 FT

DISTANCE FROM TARGET: 18.2 SE

EASTING: 596548.53

NORTHING: 725249.52

PENETRATION: 5.7 FT

REFUSAL AT 5.7 FT (COMPACTED SAND)

% RECOVERY 96.5% (5.5 FT)

OXIDATION DEPTH: FULL LENGTH 5.5 FT.

SEGMENT A-B 3.3 FT

SEGMENT B-C 2.3 FT

1423 PREP FOR POWER GRAB SAMPLE.

Location LPR Date 9/26/13

Project / Client SSP2

13B-0550-G1

TOTAL DEPTH: 5.2 FT

DISTANCE FROM TARGET: 18.6 FT SE

TIDE: EBBING

1446 GRAB CLOSED

EASTING 596549.19

NORTHING 725249.36

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES; STRAWS, WOOD, PLANT TWIGS

SHEEN: NO

ACTUAL PENETRATION: 9"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

KEPT FOR SAMPLE: YES

TEXTURE: FINE SAND; SILT

PID READING: ZEROS FOR ALL PARAMETERS; except O_2 (21.4)

1504 DEPART FOR DOCK AT CPG.

Location LPR Date 9/26/13

Project / Client SSP2

1535 ARRIVE AT CPG DOCK

1539 DECON POWER GRAB FOR EQUIPMENT BLANK.

1603 13B-0550-G1AR; Equipment Blank. AT CPG DOCK ON Wildu through Grab.

AJF ~~1650~~ 1701 13B-0550-C3XR; Equipment Blank AT CPG DOCK ON Wildu through core liner

1753 COMPLETE EB. LOAD TRUCK RETURN TO CPG. TO RECALIBRATE PID AND DECON FOR TOMORROW.

Location LPR Date 9/26/13

Project / Client SSP2

Location LPR Date 9/27/13

Project / Client SSP2

0620	ARRIVE AT CPG
0640	LOAD R/V Wildu CURRENT TIDE: FALLING LOW TIDE: 0936 hrs HIGH TIDE: 1506 hrs WEATHER: PARTLY CLOUDY; 56° F Humidity 50%; EXPECTED TO CLEAR UP AND REACH 75° F
0729	DEPART DOCK FOR 13B-0665 Vessell: R/V Wildu OSI · CAPTAIN · STEVE BODAK OSI · TECH: JEFF PYRESKI AECOM TECH · STEVE HOWE AECOM LEAD · DREW FOLEY
0807	ARRIVE ON STATION 13B-0665
0818	PREP FOR GRAB 1 AT 13B-0665

Location LPR Date 9/27/13

Project / Client SSP2

13B-0665-G1

TOTAL DEPTH: 7.0 FT

DISTANCE FROM TARGET: 11.7 FT NW

TIDE: FALLING

0824 GRAB CLOSED

EASTING: 589551.67

NORTHING: 710297.41

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

PEBBLES: YES; HEAVY

SHEEN OBSERVED: NO

ACTUAL PENETRATION: 3"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: NO

KEPT FOR SAMPLE: YES

TEXTURE: Silt-SAND

PID READING: ZEROS FOR ALL PARAMETERS except O2 (21.5)

Location LPR Date 9/27/13

Project / Client SSP2

13B-0565-G2

TOTAL DEPTH: 7.2 FT

DISTANCE FROM TARGET: 17.3 FT W

TIDE: FALLING

ACTUAL LOCATION IS ON SHORE, 10 FT AWAY ON NEAR SHORE

* GRAB CLOSED

EASTING: 589545.60

NORTHING: 710297.48

* COLOR: N/A
* GRAB METHOD: N/A
* BIOLOGICAL MATERIAL
* DEBRIS: N/A
* SHEEN OBS.: N/A
* ACTUAL PENETRATION: N/A
* TARGET PENETRATION N/A
* REDOX POTENTIAL DISCONTINUITY: N/A
* KEPT FOR SAMPLE: N/A
* TEXTURE: N/A

* PID READING: N/A

* HEAVY DEBRIS; UNABLE TO COLLECT GRAB 2 SHIFTING R/V WIDTH NORTH.

Location LPR Date 9/27/13

Project / Client SSP2

13B-0565-G3

TOTAL DEPTH: 7.8 FT

DISTANCE FROM TARGET:

TIDE: FALLING

* GRAB CLOSED

EASTING: 589541.98

NORTHING: 710303.43

* COLOR N/A
* GRAB METHOD: N/A
* BIOLOGICAL MATERIAL: N/A
* DEBRIS: N/A
* SHEEN OBS. N/A
* ACTUAL PENETRATION: N/A
* TARGET PENETRATION: N/A
* REDOX POTENTIAL DISCONTINUITY: N/A
* KEPT FOR SAMPLE: N/A
* TEXTURE: N/A

* PID READING: N/A

* HEAVY DEBRIS AND ROCKS. UNABLE TO COLLECT GRAB 3. SHIFTING R/V WIDTH S/W.

Location LPR Date 9/27/13

Project / Client SSP2

13B-0565-G4 – HEAVY DEBRIS AND ROCKS. UNABLE TO COLLECT GRAB 4.

TOTAL DEPTH: 5.7 FT.
DISTANCE FROM TARGET: 11.6 FT
EASTING: 589554.33
NORTHING: 710283.38

0947 MOB TO 13B-0566

TIDAL CONDITIONS: LOW TIDE

WEATHER: Sunny; 68°F

Location LPR Date 9/27/13

Project / Client SSP2

13B-0566-C1
0952 BEGIN CORE
0958 END CORE

TIDE: LOW
TOTAL DEPTH: 10.7FT E
DISTANCE TO TARGET: 13.8 FT.
EASTING: 589340.19
NORTHING: 710450.84

PENETRATION: 6.7FT
REFUSAL: 6.7FT HARD REFUSAL; REDDISH COMPACTED SAND
% RECOVERY: 71.6% (4.8 FT)
OXIDATION DEPTH: 4.8FT

SEGMENT A-B 3.3FT (3.1 FT TO MUDLINE)
SEGMENT B-C 1.2 FT.
CORE HAD REDDISH SAND THROUGHOUT

1034 PREP FOR CORE #2

Location LPR Date 9/27/13

Project / Client SSP2

13B-0566-C2

1047 BEGIN CORE

1053 END CORE

TIDE: LOW

TOTAL DEPTH: 9.2 FT

DISTANCE FROM TARGET: 4.0 FT N

EASTING: 589329.32

NORTHING: 710448.05

PENETRATION: 1FT

REFUSAL 1FT (HARD REFUSAL, Broken Concrete Rock)

% RECOVERY. 50% (0.5FT)

OXIDATION DEPTH — SAMPLE All GRAVEL.

SEGMENT — NONE; All GRAVEL

UNABLE TO COLLECT. All GRAVEL AND ROCK.

NO CORE; NOT RETAINED AS SAMPLE OK IDW..

Location LPR Date 9/27/13

Project / Client SSP2

13B-0566 - C3

1107 BEGIN

1111 END CORE

TIDE: SWITCHING; FLOODING

TOTAL DEPTH: 11.3FT

DISTANCE FROM TARGET: 20.4FT NE

EASTING: 589337.21

NORTHING: 710462.47

PENETRATION: 3.7FT

REFUSAL 3.7 FT HARD REFUSAL; BROKEN ROCK

% RECOVERY 67.6% (2.5FT)

OXIDATION DEPTH:

SEGMENT A-B 2.5FT

1140 PREP FOR GRAB

1145 DECON POWER GRAB

Location LPR Date 9/27/13

Project / Client SSP2

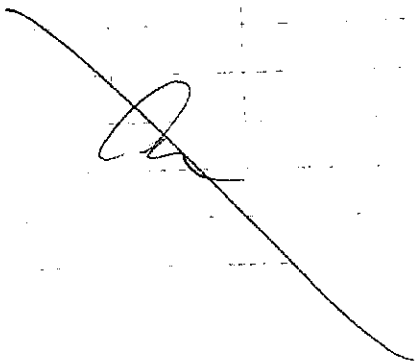
13B-0566-G1

TOTAL DEPTH: 12FT
DISTANCE FROM TARGET: 5.6 FT E
TIDE: FLOODING

* GRAB CLOSED
EASTING: 589333.17
NORTHING: 710446.53

* HEAVY DEBRIS AND LARGE ROCKS; UNABLE TO RETAIN SAMPLE.

1207 MOB FURTHER INTO CHANNEL AWAY FROM SEAWALL FOR GRAB2.



Location LPR Date 9/27/13

Project / Client SSP2

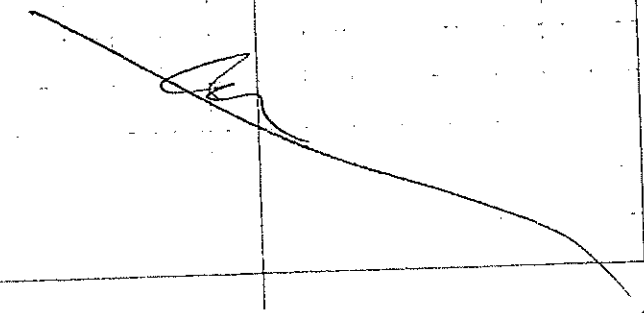
13B-0566-G2

TOTAL DEPTH: 15.2 FT
DISTANCE FROM TARGET: 11.8 FT E
TIDE: FLOODING

* GRAB CLOSED
EASTING: 589339.52
NORTHING: 710446.72

* HEAVY DEBRIS AND LARGE ROCKS; UNABLE TO RETAIN SAMPLE.

1215 MOB FURTHER EAST INTO CHANNEL AWAY FROM SEAWALL FOR GRAB3.



Location LPR Date 9/27/13

Project / Client SSP2

13B-0566-G3

TOTAL DEPTH: 15.4 FT
DISTANCE FROM TARGET: 23.0 E
TIDE: FLOODING

1230 GRAB CLOSED
EASTING: 589351.01
NORTHING: 710414.35

COLOR: RED BROWN; MOSTLY BROWN
GRAB METHOD: POWER GRAB
BIOLOGICAL MATERIAL: NO
DEBRIS: NO
SHEEN OBS. NO
ACTUAL PENETRATION: 4.5"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY:
KEPT FOR SAMPLE: Y
TEXTURE: SAND/GRAVEL/SILT

PID READING: VOC 5.0±2 O_2 20.9
ALL OTHER PARAMETERS = ZERO (0)

1300 MOB TO 13B-0568

Location LPR Date 9/27/13

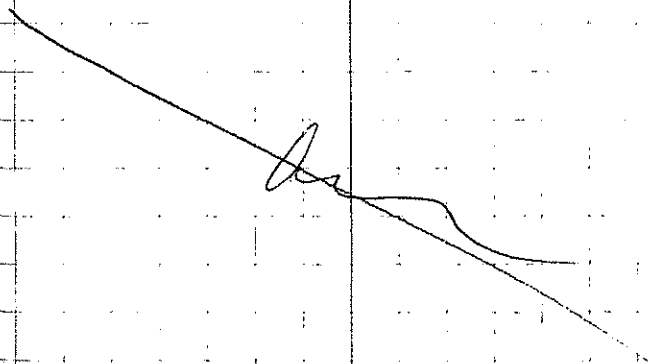
Project / Client SSP2

13B-0568-G1

1318 ON STATION
TOTAL DEPTH: 9.4 FT
DISTANCE FROM TARGET: 8.2 W
TIDE: FLOODING; HIGH 1510

1323 GRAB CLOSED
EASTING 591765.41
NORTHING 717820.71

* UNABLE TO COLLECT SAMPLE DUE ROCK AND HEAVY DEBRIS, MOVING INTO CHANNEL TO COLLECT GRAB 2 - W/IN 25FT OF TARGET.



Location LPR Date 9/27/13

Project / Client SSP2

13B-0568-G2

TOTAL DEPTH: 16.2FT

DISTANCE FROM TARGET: 20.6FT E

TIDE: HIGH; still flooding

1335 GRAB Closed

EASTING: 591793.41

NORTHING: 717827.07

COLOR: DARK GRAY-GREEN

GRAB METHOD: Power Grab

BIOLOGICAL MATERIAL: NO

DEBRIS: NO

SHEEN OBS. YES

ACTUAL PENETRATION: 6"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

KEPT SAMPLE: Y

TEXTURE: CLAY-silt

PID READING: ZEROS FOR All PARAMETERS; EXCEPT O_2 20.9

Location LPR Date 9/27/13

Project / Client SSP2

1410 MOB BACK TO CPG DOCK

1429 ARRIVE BACK AT CPG DOCK

1430 TRANSFER TO NATHAN PINSKER

SAMPLES TRANSFERRED:

13B-0565-G1

13B-0566-C1

13B-0566-C1

13B-0566-C3

13B-0566-G3

13B-0568-G2

Location LPR Date 9/30/13

Project / Client SSP2

0600 MUSTER IN HOTEL LOBBY
0621 ARRIVE AT CPG

0645 LOAD @ DOCK CPG

0751 DEPART CPG DOCK FOR 13B-0503
WEATHER: SUNNY 60°F; 50% HUMIDITY.
EXPECTED TO GO TO 80°F

TIDAL CONDITIONS: EBBING
HIGH - 0545 LOW: 1245

VESSEL: R/V WILDA
OSI - CAPTAIN STEVE BODAK
OSI - MORGAN BARNETT - TECH
AECOM - TECH: STEVE HOWE
AECOM - LEAD - OKEW FOLAY

PROPOSED SAMPLING
13B-0503
13B-0502

0825 ON STATION 13B-0503

Location LPR Date 9/30/13

Project / Client SSP2

13B-0503-C1

0837 ON STATION; SPUDS IN.

0852 BEGIN CORE
0854 END CORE

TOTAL DEPTH: 6.0 FT
DISTANCE FROM TARGET: 6.6 FT NW
EASTING: 587412.51
NORTHING: 705484.78

PENETRATION: 3.5 FT
REFUSAL: 3.5 FT (HARD; COMPACTED SAND)
% RECOVERY: 94.3% (3.3 FT)
OXIDATION DEPTH: 3.3 FT

SEGMENT A-B 3.3 FT

0927 PREP FOR 2nd CORE

Location LPR Date 9/30/13

Project / Client SSP2

13B-0503-C2

0930 BEGIN CORE

0932 END CORE

TOTAL DEPTH: 5.1 FT
DISTANCE FROM TARGET: 6.1 FT
EASTING 587412.74
NORTHING: 705478.65

PENETRATION: 2.9 FT
REFUSAL: 2.9 FT HARD REFUSAL, COMPACT SAND
% RECOVERY: 86.2% (2.5 FT)
OXIDATION DEPTH:

SEGMENT: AB 2.5 FT

0945 PREP FOR 13B-0503-C3

Location LPR Date 9/30/13

Project / Client SSP2

BB-0503-C3

1002 BEGIN CORE

1006 END CORE

TOTAL DEPTH: 4.7 FT
DISTANCE FROM TARGET: 9.4 FT SW
EASTING: 587412.06
NORTHING: 705474.15

PENETRATION: 1.8 FT
REFUSAL: 1.8 FT (HARD; COMPACT SAND)
% RECOVERY 83.3% (1.5 FT)
OXIDATION DEPTH 1.5 FT

SEGMENT A-B 1.5 FT.

1020 PREP FOR GRAB SAMPLE

1024 DECON GRAB SAMPLE

Location LPR Date 9/30/13

Project / Client SSP2

13B-0503-G1

TOTAL DEPTH: 4.5 FT
DISTANCE FROM TARGET: 13.2 SSW
TIDE: Falling (Low at 1245hrs)

1038 GRAB CLOSED
EASTING: 587410.21
NORTHING: 705470.85

COLOR: GRAY-BROWN
GRAB METHOD: POWER GRAB
BIOLOGICAL MATERIAL: NO
DEBRIS: YES
SHEEN OBS.: NONE
ACTUAL PENETRATION: 4"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY: NO
KEPT FOR SAMPLE: YES
TEXTURE: SAND-SILT-CLAY

PID READING: CO = 2; O_2 = 20.9; ALL OTHER PARAMETERS = ZERO (0).

Location LPR Date 9/30/13

Project / Client SSP2

1106 MOB TO 13B-0502

1108 SPUDS IN; ON STATION @ 13B-0502.
1123 TRANSFER SAMPLES TO N. PINSKER; 13-0503 C1, C2, C3, G2
13B-0502-C2
1134 BEGIN CORE
1139 END CORE

TOTAL DEPTH: 9.4 FT
DISTANCE FROM TARGET: 5.7 FT N
EASTING: 587344.19
NORTHING: 705525.59

PENETRATION: 8.3 FT
REFUSAL: 8.3 FT (HARD) Compacted Sand, Gravel
% RECOVERY: 68.7% (5.7 FT)
OXIDATION DEPTH: 4 FT

Segment AB 3.3 FT
Segment BC 2.6 FT

1213 ADJUST VESSEL POSITION FOR C2.

Location LPR Date 9/30/13

Project / Client SSP2

13B-0502 - C2

1218 Begin Core:

1219 End Core:

TOTAL DEPTH: 7.1FT

DISTANCE FROM TARGET: 16.0FT ESE

EASTING: 587361.47

NORTHING: 705515.59

PENETRATION: 3.5FT.

REFUSAL: 3.5FT HARD REFUSAL, GRAVEL

% RECOVERY 80.0% (2.8 FT)

OXIDATION DEPTH: 2.8FT.

SEGMENTS: AB 2.8FT

1234 PREP FOR CORE3; SLIGHT RE-POSITION OF R/V WILDA.

Location LPR Date 9/30/13

Project / Client SSP2

13B-0502 - C3

1244 BEGIN CORE

1246 END CORE

TOTAL DEPTH: 7.0FT

DISTANCE FROM TARGET: 18FT EAST

EASTING: 587363.99

NORTHING: 705522.68

PENETRATION: 3.3FT

REFUSAL: 3.3FT HARD REFUSAL, GRAVEL*

% RECOVERY 69.7% (2.3FT)

OXIDATION DEPTH: 2.3FT

SEGMENT: AB 2.3FT.

*LARGE ROCK JAMMED INTO SHOE W/ GRAVEL ABOVE IT.

1303 PREP FOR GRAB

Location LPR Date 9/30/13

Project / Client SSP2

13B-0502-G1

TOTAL DEPTH: 8.2 FT
DISTANCE TO TARGET: 9.8 FT
TIDE: LOW, EBBING

1330 GRAB CLOSED
EASTING: 587355.89
NORTHING: 705518.79

COLOR: GRAY-BROWN
GRAB METHOD: POWER GRAB
BIOLOGICAL MATERIAL: NONE
DEBRIS: YES, WOODY PIECES
SHEEN OBS. NO
ACTUAL PENETRATION: 5"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY: N
KEPT FOR SAMPLE: Y
TEXTURE: SILT-SAND-GRAVEL

PID READINGS: O_2=20.9; ZERO (0) FOR ALL OTHER PARAMETERS.

Location LPR Date 9/30/13

Project / Client SSP2

1410 MOB BACK TO CPG DOCK

1413 RECIEVE CALL FROM HELEN JONES TO COLLECT 13B-0569-G1 (GRAB ONLY). MOB TO STATION 0569.

1439 TRANSFER SAMPLES TO NATE PINSKER
SAMPLES TRANSFERRED:

13B-0502-C1 AB
13B-0502-C1 ~~AB~~ AJF BC
13B-0502-C2 AB
13B-0502-C3 AB
13B-0502-G1

1442 DECON POWER GRAB

1445 POSITION ON STATION 13B-0569
COLLECT GRAB ONLY

Location LPR Date 9/30/13

Project / Client SSP2

13B-0569-G1

TOTAL DEPTH: 14.2 FT
DISTANCE TO TARGET: 23.9 FT NW
TIDE: Flood; HIGH TIDE @ ~~5/~~ ASF 1756hrs

1442 GRAB CLOSED
EASTING: 596761.10
NORTHING: 726335.60

* Color:
* GRAB METHOD: Power Grab
* Biological Material:
* DEBRIS:
* SHEEN OBS.
* ACTUAL PENETRATION:
* TARGET PENETRATION: 6"
* Redox Potential Discontinuity:
* KEPT FOR SAMPLE:
* TEXTURE:

PID READINGS: O_2=20.9; NO READINGS OTHER THAN O_2 @ NO GRAB COLLECTED.
* VERY ROCKY; UNABLE TO ATTAIN GRAB

Location LPR Date 9/30/13

Project / Client SSP2

1502 MOB BACK TO CPG DOCK.

TWO OTHER ATTEMPTS WERE MADE AT 13B-0569 TO COLLECT GRABS. THEY WERE:

13B-0569-G2
13B-0569-G3

13B-0569-G2
TOTAL DEPTH: 13.7 FT
DISTANCE FROM TARGET: 18.0' W
ASF ~~1452~~ GRAB CLOSED: 1452
EASTING: 596764.35
NORTHING: 726326.77

13B-0569-G3
TOTAL DEPTH: 12.9 FT
DISTANCE FROM TARGET: 10.9' W
GRAB CLOSED: 1454
EASTING: 596771.81
NORTHING: 726321.48

1512 ARRIVE AT CPG

Location LPR Date 10/1/2013 ~~9/30/13~~

Project / Client SSP2

0600 MUSTER IN HOTEL LOBBY
0620 ARRIVE AT CPG TO LOAD SUPPLIES.

0708 DEPART FROM CPG DOCK

VESSEL: R/V Wilda
CURRENT: FALLING; HIGH 0633
TIDE Low 1332
WEATHER: ~~CLEAR~~ 55°F
Humidity 50%
FORECAST: 80°F; SUNNY

ON BOARD:
OSI - CAPTAIN STEVE BODAK
DSI - MORGAN BENNET
AECOM - STEVE HOWE
AECOM - DREW FOLEY (LEAD)

PROPOSED SAMPLING:
13B-0507
13B-0501
13B-0506

0758 ON STATION; 13B-0507

Location LPR Date 10/1/13

Project / Client SSP2

13B-0507-C1
0814 BEGIN CORE
0818 END CORE

TOTAL DEPTH: 6.9 FT
DISTANCE FROM TARGET: 2.9'E
EASTING: 587583.07
NORTHING: 705934.29

PENETRATION: 4.5 FT
REFUSAL: 4.5FT (HARD REFUSAL)
% ~~RECOVERY~~ 91.1% (4.1FT)
OXIDATION DEPTH:

SEGMENT: AB 4.1FT.

0847 PREP FOR 2nd CORE.

64

Location LPR Date 10/1/13

Project / Client SSP2

13B-0507-C2

0850 BEGIN CORE

0853 END CORE

TOTAL DEPTH: 6.0FT

DISTANCE FROM TARGET: 9.6FT SOUTH

EASTING: 587584.42

NORTHING: 705926.55

PENETRATION: 3.8 FT

REFUSAL 3.8 FT HARD REFUSAL

% RECOVERY 94.7% (3.6 FT)

OXIDATION DEPTH:

SEGMENT. AB 3.8 FT.

TIDE: EBBING; LOW TIDE 1332

0911 Prep For 3rd Core For EPA Split.

65

Location LPR Date 10/1/13

Project / Client SSP2

13B-0507-C3

0924 BEGIN CORE

0927 END CORE

TOTAL DEPTH: 5.3FT.

DISTANCE FROM TARGET: 15.1 FT SOUTH

EASTING: 587585.72

NORTHING: 705921.14

PENETRATION 3.7FT

REFUSAL: 3.7FT HARD REFUSAL

% RECOVERY 91.9% (3.4FT.)

OXIDATION DEPTH:

SEGMENT: AB 3.4FT

0940 PREP FOR GRAB

0943 DECON POWER GRAB

Location LPR Date 10/1/13

Project / Client SSP2

13B-0507-G1

TOTAL DEPTH: 4.4 FT
DISTANCE FROM TARGET: 178 FT S
CURRENT TIDE: EBBING

0957 GRAB CLOSED
EASTING: 587585.62
NORTHING: 705918.26

COLOR: BROWN-GRAY-BLACK
GRAB METHOD: Power Grab.
BIOLOGICAL MATERIAL: NO
DEBRIS: YES
SHEEN OBS.: YES
ACTUAL PENETRATION: 6"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY: ~~NO~~ YES
KEPT FOR SAMPLE: Y
TEXTURE: Clay-Silt-sand

PID READING: O_2 = 20.9; ALL OTHER READINGS ARE ZERO (0).

Location LPR Date 10/1/13

Project / Client SSP2

1019 RE-POSITION R/V Wilda ON STATION 13B-0501; TIDE IS EBBING. LOW TIDE IS AT 1332 hrs

13B-0501-C1

1051 BEGIN CORE

1053 END CORE

TOTAL DEPTH: 17.8 FT.
DISTANCE FROM TARGET: 4.5 FT SW
EASTING: 587226.00
NORTHING: 705566.13

PENETRATION: 3.2 FT
REFUSAL: 3.2 FT (HARD REFUSAL) RED SAND CLAY;
% RECOVERY 96.9% (3.1 FT)
OXIDATION DEPTH: 3 FT

SEGMENT: AB 3.1 FT

1118 PREP FOR CORE2

68

Location LPR Date 10/1/13

Project / Client SSP2

13B-0501-C2

1132 BEGIN CORE

1134 END CORE

TOTAL DEPTH: 17.1 FT.
DISTANCE TO TARGET: 10.3 FT SW
EASTING: 587225.44
NORTHING: 705559.83

PENETRATION: 4.1 FT.
REFUSAL 4.1 FT HARD REFUSAL
% RECOVERY: 3.6 FT (87.8%)
OXIDATION DEPTH: 2.8 FT.

SEGMENT: AB 3.6 FT.

1200 PREP FOR CORE 3

1210 TRANSFER SAMPLES TO N. PINSKER
13B-0507-C1
13B-0507-C2
13B-0507-C3
13B-0507-G1

69

Location LPR Date 10/1/13

Project / Client SSP2

13B-0501-C3

1225 BEGIN CORE

1228 END CORE

TOTAL DEPTH: 16.5 FT.
DISTANCE TO TARGET: 14.4 FT SOUTH
EASTING: 587227.12
NORTHING: 705555.22

PENETRATION: 5.8 FT
REFUSAL: 5.8 FT HARD REFUSAL
% RECOVERY: 4.7 FT. (81.0%)
OXIDATION DEPTH: 4 FT.

SEGMENT: AB 3.2 FT
BC 1.5 FT

1248 PREP FOR GRAB

1250 DECON POWER GRAB; RE-POSITION R/V Wilda

Location LPR Date 10/1/13

Project / Client SSP2

13B-0501-G1

TOTAL DEPTH: 16.1 FT
DISTANCE TO TARGET 17.6' SOUTH
EASTING: 587227.46
NORTHING: 705531.95

TIDE: EBBING (LOW @ 1332)

1306 GRAB CLOSED:

* COLOR: N/A
* GRAB METHOD: N/A
* BIOLOGICAL MATERIAL: N/A
* DEBRIS: N/A
* SHEEN OBS. N/A
* ACTUAL PENETRATION: 1"
* TARGET PENETRATION: N/A
* Redox POTENTIAL DISCONTINUITY: N/A
* TEXTURE: N/A

PID READING: N/A

* POOR RECOVERY/HEAVY DEBRIS; NOT KEPT FOR Sample.

Location LPR Date 10/1/13

Project / Client SSP2

13B-0501-G2

TOTAL DEPTH: 16.1 FT
DISTANCE TO TARGET: 17.6' SOUTH
EASTING:
NORTHING:

1309 GRAB CLOSED

COLOR: BROWN
GRAB METHOD: Power Grab
Biological material: NO
DEBRIS - Yes, plywood
SHEEN OBS.: No
ACTUAL PENETRATION: 4.5"
TARGET PENETRATION: 6"
Redox POTENTIAL DISCONTINUITY: NO
TEXTURE: SAND-SILT

PID READING: O_2 = 20.9
All OTHER PARAMETERS = Ø (ZERO)

1329 PREP FOR DEPARTURE TO CPG DOCK TO DO EQUIPMENT Blank.

Location LPR Date 10/1/13

Project / Client SSP2

1345 Depart station for CPG Dock.

1430 Arrive at CPG Dock

1439 Transfer Samples to N. Pinsker
Samples Transferred:
13B-0501-C1 4B
13B-0501-C2 4B
13B-0501-C3 4B; 2C
13B-0501-G2 1 Jar; 2 Buckets.

1505 Equipment Blank 13B-0501-G2AR

1535 Finish EB for 13B-0501-G2AR

1542 Equipment Blank 13B-0501-C3XR

1604 Finish EB for 13B-0501-C3XR

1610 Return to CPG

Location LPR Date 10/1/13

Project / Client SSP2

1630 Transfer Samples (EB) to P. Winchell
Samples Transferred:
13B-0501-G2AR
13B-0501-C3XR

Location LPR Date 10/2/13

Project / Client SSP2

0600	MUSTER IN LOBBY
0625	ARRIVE AT CPG
0640	LOAD AT CPG DOCK; PREP FOR DEPARTURE
0722	DEPART CPG DOCK
	PROPOSED STATIONS:
	13B-0513
	13B-0508
	13B-0506
	WEATHER: 60°F Sunny; Humidity 50%
	FORECAST 86°F Sunny.
	TIDAL CONDITIONS: HIGH TIDE 07:15 AND LOW TIDE AT 1417
	VESSEL: R/V Wilda
	ON BOARD: OSI · CAPTAIN · STEVE BODAK
	OSE · TECH · MORGAN BAKER
	ACCOM · TECH · STEVE HOWE
	ACCOM · LEAD · DREW FOLEY
0755	ON STATION 13B-0513

Location LPR Date 10/2/13

Project / Client SSP2

13B-0513-C1

0831	BEGIN CORE
0833	END CORE
	TOTAL DEPTH: 6.2 FT
	DISTANCE TO TARGET: 1.3 FT EAST
	EASTING 590813.88
	NORTHING 713278.60
	PENETRATION 9.5 FT.
	REFUSAL NONE; HIT NATIVE 5.5 FT.
	% RECOVERY 7.5 FT (78.9%)
	OXIDATION DEPTH 5.5 FT.
	SEGMENT AB 3.6 FT
	SEGMENT BC 4.0 FT
0908	RE-POSITION BOAT FOR CORE 2

Location LPR Date 10/2/13

Project / Client SSP2

13B-0513-C2

0910 BEGIN CORE

0913 END CORE

TOTAL DEPTH

DISTANCE TO TARGET 6.4FT EAST

EASTING: 590812.73

NORTHING: 713273.55

PENETRATION: 7.4 FT.

REFUSAL: 7.4FT HARD REFUSAL; NATIVE GRAVEL Red Sand

% RECOVERY 5.7FT (77.0%)

OXIDATION DEPTH: 7FT.

SEGMENT: AB 3.0 FT

SEGMENT: BC 2.7 FT

0930 PREP FOR CORE 3

Location LPR Date 10/2/13

Project / Client SSP2

13B-0513-C3

0941 BEGIN CORE

0943 END CORE

TOTAL DEPTH: 5.4FT.

DISTANCE TO TARGET 19.3 SW

EASTING: 590802.06

NORTHING: 713264.26

PENETRATION: 9.4 FT

REFUSAL: 9.4 FT. HARD REFUSAL; NATIVE

% RECOVERY 7.1 FT.; 75.5%

OXIDATION DEPTH: 2 FT.

SEGMENT AB 3.4 FT

SEGMENT BC 4.0 FT

1004 PREP FOR GRAB

1010 REPOSITION FOR GRAB SAMPLE

Location LPR Date 10/2/13

Project / Client SSP2

13B-0513-G1

TOTAL DEPTH: 4.0 FT

DISTANCE TO TARGET: 13.8 FT SW

EASTING: 590809.50

NORTHING: 713266.64

TIDE: EBBING

1013 GRAB CLOSED.

COLOR: BROW - DARK GRAY - BLACK

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL - NO

DEBRIS: NO

SHEEN OBS: NO

ACTUAL PENETRATION 12"

TARGET PENETRATION 6"

REDOX POTENTIAL DISCONTINUITY: Y

TEXTURE: SILT - CLAY

KEPT FOR SAMPLE: Y

PID: O_2 = 20.9 ; ZEROS FOR ALL OTHERS

1033 MOB TO 13B-0506

Location LPR Date 10/2/13

Project / Client SSP2

13B-0506-C1

1119 BEGIN CORE

1121 END CORE

TIDE: EBBING

TOTAL DEPTH: 10.5 FT

DISTANCE TO TARGET: 6.1 FT ENE

EASTING: 587475.64

NORTHING: 705980.76

PENETRATION: 2.2 FT PENETRATION

REFUSAL 2.2 FT HARD REFUSAL

% RECOVERY 3.0 FT (136.4%)

OXIDATION DEPTH 3.0 FT

SEGMENT AB 3.0 FT

1137 PREP FOR CORE 2

1148 TRANSPORT BOAT ARRIVES. TRANSFER SAMPLES TO N. PINSKER. SAMPLES TRANSFERRED:

13B-0513-C1 13B-0513-G1

13B-0513-C2

13B-0513-C3

Location LPR Date 10/2/13

Project / Client SSP2

13B-0506-C2

1201 BEGIN CORE

1203 END CORE

TIDE: EBBING

TOTAL DEPTH: 10.4FT

TOTAL DISTANCE TO TARGET 10.4' NNE

EASTING: 587476.16

NORTHING: 705990.09

PENETRATION: 3.1 FT

REFUSAL: 3.1FT HARD REFUSAL

% RECOVERY 2.8FT (90.3%)

OXIDATION DEPTH 3FT

SEGMENT AB 3.0 FT

1220 PREP FOR CORE 3

1223 REPOSITION R/V WILLIN FOR CORE 3.

Location LPR Date 10/2/13

Project / Client SSP2

13B-0506-C3

1255 BEGIN CORE

1258 END CORE

TOTAL DEPTH 9.5 FT

DISTANCE TO TARGET: 11.7 NE

EASTING: 587479.26

NORTHING: 705985.13

PENETRATION: 2.2 FT

REFUSAL: 2.2FT, HARD REFUSAL

% RECOVERY 2.0FT (90.9%)

OXIDATION DEPTH

SEGMENT AB 3.0 FT

1320 PREP FOR GRAB 1

1328 DECON POWER GRAB

Location LPR Date 10/2/13

Project / Client SSP2

13B-0506-G1

TOTAL DEPTH: 9.2FT

DISTANCE TO TARGET: 14.5FT NE

EASTING: 587479.01

NORTHING: 705985.13

1336 GRAB CLOSED

Color: GRAY BROWN

GRAB METHOD: Power Grab

Biological MATERIAL: NO

DEBRIS: YES

SHEEN: NO

ACTUAL PENETRATION: 4"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: YES

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID: O_2 = 20.9, ZERO FOR ALL OTHER PARAMETERS.

Location LPR Date 10/2/13

Project / Client SSP2

1400 CLEAN UP; PREP FOR DEPARTURE

1415 DEPART FOR CPG DOCK

1510 ARRIVE AT DOCK (CPG).

1515 TRANSFER SAMPLES TO N. PINSKER.

SAMPLES TRANSFERRED:

13B-0506-C1

13B-0506-C2

13B-0506-C3

13B-0506-G1

1530 RETURN TO FACILITY TO GATHER SUPPLIES & COMPLETE PAPERWORK.

Location LPR Date 10/3/13

Project / Client SSP2

0610 MUSTER IN LOBBY

0625 ARRIVE AT CPG FACILITY

0713 DEPART CPG DOCK

WEATHER: 55° F ; 50% Humidity

Forecast 79° F clear; sunny.

TIDES: HIGH = 0751 hrs.

LOW = 1502 hrs.

CURRENT TIDE: Flooding

VESSEL: R/V Wildy

OSI. CAPTAIN. STEVE BODAK

OSI. MORGAN BARRETT

AECOM. TECH. STEVE HOWE

AECOM. LEAD. DREW FOLEY

Proposed Sampling:

13B-0520

13B-0523

13B-0509

13B-0508

0755 ON STATION 13B-0520

Location LPR Date 10/3/13

Project / Client SSP2

13B-0520-C1

0816 BEGIN CORE

0818 END CORE

TOTAL DEPTH: 5.8 FT.

DISTANCE TO TARGET 14.4 FT SW

EASTING 591899.42

NORTHING 715555.32

PENETRATION 6 FT

REFUSAL: 6 FT (HARD REFUSAL, SAND COMPACT)

% RECOVERY 4.1 FT (68.3%)

OXIDATION DEPTH: 2 FT

SEGMENT AS 4:1 FT

0839 PREP FOR CORE 2

0845 RE-POSITION BOAT SLIGHTLY

Location LPR Date 10/3/13

Project / Client SSP2

13B-0520-C2

0851 Begin Core
0852 End Core

Total Depth: 6.2FT
Distance to target: 6.9' West
EASTING 591907.90
NORTHING 715555.10

PENETRATION 6.1 FT
REFUSAL 6.1 FT HAND REFUSAL
% RECOVERY 4.6 FT (75.4%)
OXIDATION DEPTH: 3FT.

SEGMENT AB 4.6 FT

NOTE: THICK GLUEY CLAY PLUG AT BOTTOM OF CORE.

0907 PREP FOR CORE 3

Location LPR Date 10/3/13

Project / Client SSP2

13B-0520-C3

0929 BEGIN CORE
0930 END CORE

TOTAL DEPTH: 6.2FT
DISTANCE TO TARGET: 1.0FT SOUTH
EASTING 591913.69
NORTHING 715558.71

PENETRATION 7.2FT
REFUSAL 7.2FT HAND REFUSAL
% RECOVERY 5.4FT (75.0%)
OXIDATION DEPTH

SEGMENT AB 3.0
SEGMENT BC 2.6

0947 PREP FOR GRABS

0954 DECON GRABS

Location LPR Date 10/3/13

Project / Client SSP2

13B-0520-G1

TOTAL DEPTH 6.2FT

DISTANCE TO TARGET 2.8FT WEST

EASTING 591910.81

NORTHING 715558.21

TIDE: EBBING; LOW TIDE @ 1502hrs

1017 GRAB CLOSED

COLOR: GRAY-BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES; plastic and wood

SHEEN OBS: NO.

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: YES

TEXTURE: SILT-SAND-GRAVEL

KEPT FOR SAMPLE: YES

PID READING: O_2 = 20.9, all others were ZERO (0).

1048 PREP FOR MOB TO 13B-0523

Location LPR Date 10/3/13

Project / Client SSP2

1100 ON STATION 13B-0523; TRANSFER SAMPLES (13B-0520) TO N. PINSKER @ 1050 10/4/13

13B-0523-C1

1105 BEGIN CORE

1108 END CORE

10/3/13

TOTAL DEPTH ~~6.2FT~~ 4.1FT

DISTANCE TO TARGET 5.0FT EAST

EASTING 592163.31

NORTHING 716457.45

PENETRATION: 7.5FT

REFUSAL: 7.5FT (HARD REFUSAL

% RECOVERY 5.7FT (76.0%)

OXIDATION DEPTH 3FT.

SEGMENT AB 3.0FT

SEGMENT BC 2.7FT

1145 STOP FOR BREAK AND LUNCH.

1200 DECON GRAB

1220 BACK ON STATION.

Location LPR Date 10/3/13

Project / Client SSP2

13B-0523-C2

1229 BEGIN CORE

1231 END CORE

TOTAL DEPTH 3.2 FT.

DISTANCE TO TARGET 14.4 FT EAST

EASTING 592172.19

NORTHING 716462.22

PENETRATION 10FT

*REFUSAL: NONE- NON-REFUSAL @ 10FT.

*% RECOVERY: 8.7FT; NON-REFUSAL @ 10FT.

OXIDATION DEPTH: N/A

SEGMENT AB 3.9 FT

SEGMENT BC 4.75 FT

* UNABLE TO COLLECT SAMPLE; NOT ABLE TO HIT NATIVE AND NO REFUSAL. R/V Wilda CORE LIMITATION IS 10FT. INSTRUCTED BY HELEN JONES TO ABANDON STATION AND LEAVE FOR "CANOE" BOAT TO COMPLETE. NON-REFUSAL @ 10FT.

1250 CLEAN-UP AND PREP TO MOVE TO 13B-0508

Location LPR Date 10/3/13

Project / Client SSP2

ASF 10/9/13

13B-0508 W/IN 30FT OF UNDERWATER CABLE. NEED MORE SPECIFICS.

MOB TO 13B-0508 TO BEGIN CORE

ASF 10/9/13

1337 ON STATION AT 13B-0508; ANCHOR

1348 BEGIN PREP FOR CORE 1 @ 13B-0508

13B-0508-C1

1346 BEGIN CORE

1348 END CORE

TOTAL DEPTH: 16.3 FT.

DISTANCE TO TARGET 3.3 FT. SW

EASTING 589468.36

NORTHING 711003.24

PENETRATION: 4.7 FT

REFUSAL: 4.7 FT HARD REFUSAL; RED COMPACT SAND

% RECOVERY 2.3 FT (48.9%)

OXIDATION DEPTH: 2.3FT.

SEGMENT AB 2.3FT

1408 PREP FOR CORE 2

Location LPR Date 10/3/13

Project / Client SSP2

13B-0508-C2

1417 BEGIN CORE

1420 END CORE

TOTAL DEPTH: 15.4 FT

DISTANCE TO TARGET: 6.1 FT SOUTH

EASTING: 589470.89

NORTHING: 710999.99

PENETRATION: 4.6 FT

REFUSAL: 4.6 FT; REDDISH COMPACTED SAND.

% RECOVERY: 2.5 FT. (54.3%)

OXIDATION DEPTH: 2.5 FT

SEGMENT AB 2.5 FT

1441 PREP FOR CORE 3

1445 RE-POSITION (SLIGHT) OF R/V WILDY W/ TIDE

Location LPR Date 10/3/13

Project / Client SSP2

13B-0508-C3

1502 BEGIN CORE

1505 END CORE

TOTAL DEPTH: 15.0 FT

DISTANCE TO TARGET: 11.3 FT SE

EASTING: 589475.01

NORTHING: 710995.82

PENETRATION: 4.7 FT

REFUSAL: 4.7 FT; REDDISH COMPACT SAND

% RECOVERY: 3.6 FT (76.6%)

OXIDATION DEPTH: 3.6 FT.

SEGMENT AB 3.6 FT

TIDE: BEGINNING TO FLOOD.

1520 PREP FOR ~~GRAB~~; BREAKDOWN CORE.

Location LPR Date 10/3/13

Project / Client SSP2

13B-0508-G1

TOTAL DEPTH : 15.0 FT

DISTANCE TO TARGET 12.8 FT SOUTH

EASTING : 589472.99

NORTHING : 710993.61

TIDE: Flood.

1530 * GRAB CLOSED

* COLOR: N/A
* GRAB METHOD: POWER GRAB
* BIOLOGICAL MATERIAL: N/A
* DEBRIS: N/A
* SHEEN OBS. N/A
* ACTUAL PENETRATION: N/A
* TARGET PENETRATION: N/A
* REDOX POTENTIAL DISCONTINUITY: N/A
* TEXTURE: N/A
* KEPT FOR SAMPLE: NO

PID READING: O_2 = 20.9 → N/A OTHER READINGS.

* GRAB FULL OF ROCKS, NOT ABLE TO OBTAIN SAMPLE. REPOSITION FOR GRAB 2

Location LPR Date 10/3/13

Project / Client SSP2

13B-0508-G2

TOTAL DEPTH: 15.3 FT

DISTANCE TO TARGET: 21.1 NE

EASTING: 589482.16

NORTHING: 711023.09

TIDE: Flood

1546 GRAB CLOSED

COLOR: BROWN + ROCKS (GRAY)

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: YES; MUSSELS; BARNACLES

DEBRIS: NO

SHEEN OBS. NONE

ACTUAL PENETRATION: 2"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: NO

TEXTURE: GRAVEL + ROCKS

KEPT FOR SAMPLE: YES (BUCKET)

PID READINGS: O_2 = 20.9; NO OTHER READINGS.

* GRAB FULL OF ROCKS AND GRAVEL

Location LPR Date 10/3/13

Project / Client SSP2

~~13B00~~ AJF

13B-0508-G3

TOTAL DEPTH: 15.3 FT

DISTANCE TO TARGET: 17.9 NE

EASTING: 589485.88

NORTHING: 711014.40

TIDE: FLOOD

1555 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: YES; MUSSELS AND BARNACLES

DEBRIS: YES

SHEEN OBS. NO

ACTUAL PENETRATION: 3"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: NO

TEXTURE: ROCKS, GRAVEL, SAND

KEPT FOR SAMPLE: YES; JAR AND BUCKET

PID READING: O_2 = 20.9; ALL OTHER PARAMETERS ARE ZERO (Ø).

Location LPR Date 10/3/13.

Project / Client SSP2

1613 CLEAN GRAB AND DECK. PREP FOR MOB BACK TO CPG.

1620 MOB BACK TO CPG

1656 ARRIVE AT CPG DOCK

1701 TRANSFER SAMPLES N. PINSKER.

SAMPLES TRANSFERRED:

13B-0523-C1
13B-0523-C2
13B-0508-C1
13B-0508-C2
13B-0508-C3
13B-0508-G2
13B-0508-G3

1715 RETURN TO FACILITY FROM DOCK

Location LPR Date 10/4/13

Project / Client SSP2

0600 MUSTER IN LOBBY
0620 ARRIVE AT CPG

0726 DEPART DOCK (CPG)

WEATHER: 65°F, PARTLY SUNNY
50% HUMIDITY. FORECAST: 80°F AND THUNDERSTORMS.

TIDES: CURRENT TIDE: FLOODING
HIGH TIDE: 0825 hrs
LOW TIDE: 1547 hrs

VESSEL: R/V Wilda
OSI - CAPTAIN - STEVE BODAK
OSI - TECH - MORGAN BARRETT
AECOM - TECH - STEVE HOWE
AECOM - LEAD - DREW FOLEY

PROPOSED SAMPLING:
13B-0567 (GRAB ONLY)
13B-0522 (GRAB ONLY)
13B-0529

0806 ON STATION 13B-0567

Location LPR Date 10/4/13

Project / Client SSP2

0807 DECON GEAR

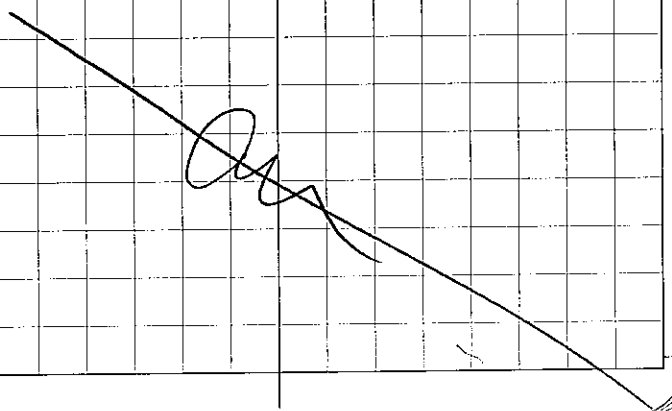
~~13B~~ ASF 13B-0567-G1
TOTAL DEPTH: 8.9FT
DISTANCE TO TARGET 8.4FT WEST
EASTING 391969.93
NORTHING 715281.18

TIDE: Flood.

0811 GEAR CLOSE

* UNABLE TO COLLECT DUE TO HEAVY ROCKS AND DEBRIS

0812 PREP FOR GRAB 2



Location LPR Date 10/4/13

Project / Client SSP2

13B-0567-G2

TOTAL DEPTH 9.1 FT

DISTANCE TO TARGET 9.7 FT NW

EASTING 591972.79

NORTHING 715287.30

TIDE: SLACK

0814 GRAB CLOSED

COLOR: DARK GRAY

GRAB METHOD: Power Grab

BIOLOGICAL MATERIAL: No

DEBRIS: YES

SHEEN OBS.: NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

Redox Potential Discontinuity: YES

TEXTURE: silt

KEPT FOR SAMPLE: ~~NO~~ NSF YES

PID READINGS: O_2 = 20.9; ALL OTHER READINGS WERE ZERO.

0832 MOB TO 13B-0522

Location LPR Date 10/4/13

Project / Client SSP2

0835 ON STATION 13B-0522

13B-0522-G1

TOTAL DEPTH 7.2FT

DISTANCE TO TARGET: 3.6 FT WEST

EASTING 592435.33

NORTHING 716094.34

TIDE: HIGH

0854 GRAB CLOSED

Color: Dark Gray

GRAB METHOD: Power Grab

Biological material: No

Debris: YES

Sheen obs.: NO

Actual Penetration: 12"

Redox Penetration: 6"

Texture: Silt

Kept for Sample: YES

PID Readings: O_2 = 20.9; LEL = 55

All other Readings = Zero (✱).

0925 MOB to 13B-0529

Location LPR Date 10/4/13

Project / Client SSP2

0940 ON STATION AT 13B-0529

13B-0529-C1

1013 BEGIN CORE

1016 END CORE

TOTAL DEPTH: 15.4 FT.

DISTANCE TO TARGET: 5.5 FT. SE

EASTING: 591981.92

NORTHING: 718949.71

PENETRATION 4.4 FT

REFUSAL: 4.4 FT; HARD COMPACTED SAND

% RECOVERY 3.3 FT; 75.0%

OXIDATION DEPTH: 3.3 FT.

SEGMENT AB 3.3 FT

1022 PREP CORE FOR STORAGE; PREP FOR SECOND CORE.

Location LPR Date 10/4/13

Project / Client SSP2

13B-0529-C2

1046 BEGIN CORE

1050 END CORE

TOTAL DEPTH: 14.8 FT

DISTANCE TO TARGET: 9.1 FT SE

EASTING: 591983.77

NORTHING: 718946.57

PENETRATION: 8.2 FT

REFUSAL: 8.2 FT; HARD REFUSAL REDISH SAND. NATIVE SOIL/CLAY

% RECOVERY 8 FT (97.6 FT)

OXIDATION DEPTH 4 FT.

SEGMENT AB 3.6 FT

SEGMENT BC 4.4 FT

* HIT NATIVE RED SOIL @ 4.0 FT.

1113 PREP FOR CORE 3

Location LPR Date 10/4/13

Project / Client SSP2

13B-0529-C3

1139 BEGIN CORE

1144 END CORE

TOTAL DEPTH: 13.6FT

DISTANCE TO TARGET: 9.7FT SOUTH

EASTING 591980.50

NORTHING 718945.07

PENETRATION 7.9FT

REFUSAL 7.9FT HARD REFUSAL; RED NATIVE SOIL/CLAY

% RECOVERY 7.8FT (98.7%)

OXIDATION DEPTH 4.6FT

SEGMENT AB 4.4FT

SEGMENT BC 3.4FT

1202 PREP FOR CORE 4 - QC CORE.

Location LPR Date 10/4/13

Project / Client SSP2

13B-0529-C4

1223 BEGIN CORE

1226 END CORE

TOTAL DEPTH: 12.8 FT

DISTANCE TO TARGET: 13.4FT SOUTH

EASTING 591983.52

NORTHING 718941.93

TIDE: FALLING

PENETRATION 7.2FT

REFUSAL 7.2FT; HARD REFUSAL

% RECOVERY 4.0FT. (55.5%)

OXIDATION: 4.0FT

SEGMENT AB 4.0FT

AEF 10/10/13

1215 ~~1230~~ TRANSPORT BOAT ARRIVES.

TRANSFER SAMPLES TO N. PINSKER:

13B-0567-G2

13B-0522-G1

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Location LPR Date 10/4/13

Project / Client SSP2

1240 PREP FOR GRAB

1245 DECON POWER GRAB

13B-0529-G1

~~BEGIN~~ TOTAL DEPTH 12.5FT

DISTANCE TO TARGET 15.3 FT SOUTH

EASTING: 591984.72

NORTHING: 718940.23

1259 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES; WOODY

SHEEN OBS.: NO

ACTUAL PENETRATION: 8"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: NO

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; VOC 0.8

ALL OTHER READINGS EQUAL ~~ZERO~~.

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Location LPR Date 10/4/13

Project / Client SSP2

1315 PREP TO MOB BACK TO CPG DOCK

1349 ARRIVE AT CPG DOCK

1355 TRANSFER SAMPLES TO N. PINSKER. SAMPLES TRANSFERRED

13B-0529-C1

13B-0529-C2

13B-0529-C3

13B-0529-G1

1400 LOAD TRUCK

1410 RETURN TO CPG FACILITY.

AJF 10/10/13

Location LPR Date 10/7/13

Project / Client SSP2

0600 MUSTER IN LOBBY
0630 ARRIVE AT CPG FACILITY

0710 DEPART CPG DOCK

WEATHER: CLOUDY AT 70°F; HUMIDITY 50%
FORECAST: THUNDERSTORMS; 80°F

TIDES: CURRENTLY FLOODING
HIGH: 1014 hrs
LOW: 1800 hrs

VESSEL: R/V WILDU
OSI - CAPTAIN - STEVE BOOAK
OSI - TECH - MORGAN BARRETT
AECOM - TECH - STEVE HOWE
AECOM - LEAD - DREW FOLEY

PROPOSED SAMPLING:
13B-0534
13B-0527

0758 ON STATION 13B-0534

Location LPR Date 10/7/13

Project / Client SSP2

13B-0534-C1
0820 BEGIN CORE
0821 END CORE

TOTAL DEPTH: 3.6 FT
DISTANCE TO TARGET: 1.9 FT NEST
EASTING 592225.52
NORTHING 718987.28

PENETRATION 8.9 FT
REFUSAL 8.9 FT; HARD REFUSAL; CORE NOT STAND
% RECOVERY 7.0 FT (78.7%)
OXIDATION DEPTH: 6"

SEGMENT AB 4.5 FT
SEGMENT BC 4.5 FT

0841 PREP FOR CORE 2

Location LPR Date 10/7/13

Project / Client SSP2

13B-0534-C2

0848 BEGIN CORE

0850 END CORE

TOTAL DEPTH 4.8 FT

DISTANCE TO TARGET 5.6 FT NORTH

EASTING 592225.34

NORTHING 718991.22

PENETRATION 9.7 FT

REFUSAL 9.7 FT; HARD REFUSAL; Compacted Sand and Clay

% RECOVERY 8.9 FT (91.8%)

OXIDATION DEPTH: 1 FT

SEGMENT AB 4.5 FT

SEGMENT BC 4.4 FT

0915 PREP FOR CORE 3

Location LPR Date 10/7/13

Project / Client SSP2

13B-0534-C3

0927 BEGIN CORE

0931 END CORE

TOTAL DEPTH 5.5 FT

DISTANCE TO TARGET: 6.0 FT NE

EASTING: 592227.46

NORTHING: 718991.52

PENETRATION 9.2 FT

REFUSAL 9.2 FT HARD REFUSAL

% RECOVERY: 7.6 FT (82.6%)

OXIDATION DEPTH: 6"

SEGMENT AB 4.1 FT

SEGMENT BC 3.7 FT

0950 PREP FOR GRAB

Location LPR Date 10/7/13

Project / Client SSP2

13B-0534-G1

TOTAL DEPTH 6.3 FT

DISTANCE TO TARGET: 3.1' WEST

EASTING 592221.57

NORTHING 718984.56

TIDE: FLOODING

1008 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: Power Grab

BIOLOGICAL MATERIAL: NO

DEBRIS: NO

SHEEN OBS. NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY: YES

TEXTURE: Silt

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; ALL OTHER READINGS EQUAL ZERO (Ø).

Location LPR Date 10/7/13

Project / Client SSP2

1022 PREP TO MOB TO 13B-0527

1040 SEVERE WEATHER ALERT – TORNADO WATCH

1042 TRANSFER SAMPLES TO N. PINSKER

SAMPLES TRANSFERRED:

13B-0534-C1

13B-0534-C2

13B-0534-C3

13B-0534-G1

1051 SEVERE WEATHER; CREW DECIDES TO SEEK SHELTER.

1125 ARRIVE AT CPG DOCK

1140 MOB TO CPG FACILITY; PREP FOR NEXT DAY.

Location LPR Date 10/8/13

Project / Client SSP2

0600 MUSTER in Hotel Lobby
0615 ARRIVE AT CPG Dock

0707 DEPART CPG Dock

WEATHER: 53°F; Humidity 50%
FORECAST: 68°F; 0% PRECIP.

TIDE: CURRENT TIDE: FLOODING (Δ7FT)
HIGH: 1102 hrs
LOW: 1848 hrs.

VESSEL: R/V Wilda
OSI. CAPTAIN. STEVE BODAK
OSI. TECH. MORGAN BAEFFAT
AECOM. TECH. STEVE HOWE
AECOM. LEAD. DREW FOLEY

PROPOSED SAMPLING:
13B-0525 13B-0526
13B-0527 13B-0532

0740 ON STATION 13B-0526

Location LPR Date 10/8/13

Project / Client SSP2

13B-0526-C1
0755 BEGIN CORE
0758 END CORE

TOTAL DEPTH: 10.5 FT
DISTANCE TO TARGET: 7.7 FT. WEST
EASTING 591825.18
NORTHING 718615.38

PENETRATION 9.3 FT
REFUSAL 9.3 FT HARD REFUSAL GRAY HARD SAND
% RECOVERY (8.7FT) 93.5%
OXIDATION DEPTH: 1 FT

SEGMENT AB 4.5 FT
SEGMENT BC 4.2 FT

* HIT NATIVE RED/CLAY
0822 PREP FOR CORE 2

Location LPR Date 10/8/13

Project / Client SSP2

13B-0526-C2

0825 BEGIN CORE

0827 END CORE

TOTAL DEPTH: 12.1 FT

DISTANCE TO TARGET: 11.6 FT WEST

EASTING 591821.63

NORTHING 718618.38

TIDE: FLOODING

PENETRATION: 9.0 FT

REFUSAL: 9.0 FT HARD REFUSAL; Compact Sand.

% RECOVERY: 8.5 FT (94.4%)

OXIDATION DEPTH: 1 FT.

* HIT NATIVE RED SOIL/CLAY

SEGMENT AB 4.4 FT

SEGMENT BC 4.4 FT

0844 PREP FOR CORE 3 (ERA SPLIT)

0859 RE-POSITION; ANCHOR DUE TO STRONG TIDE.

Location LPR Date 10/8/13

Project / Client SSP2

13B-0526-C3

0912 BEGIN CORE

0915 END CORE

TOTAL DEPTH: 14.1 FT

DISTANCE TO TARGET: 5.6 FT WEST

EASTING: 591828.27

NORTHING: 718612.43

PENETRATION: 9.1 FT

REFUSAL: 9.1 FT HARD REFUSAL

% RECOVERY: 6.8 FT (74.7%)

OXIDATION DEPTH: 1.2 FT

SEGMENT AB 3.3 FT

SEGMENT BC 3.3 FT

0940 POOR RECOVERY; PREP FOR POWER GRAB.

0946 RE-POSITION FOR POWER GRAB.

Location LPR Date 10/8/13

Project / Client SSP2

13B-0526-G1

TOTAL DEPTH: 15.3 FT

DISTANCE TO TARGET: 6.4 FT WEST

EASTING: 591826.79

NORTHING: 718613.47

TIDE: Flooding

0948 GRAB CLOSED

COLOR: GRAY BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES

SHERRN OBS.: NO

ACTUAL PENETRATION: 5"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

1004 PREP FOR MOB TO NEXT STATION.

1030 DECON POWER GRAB

Location LPR Date 10/8/13

Project / Client SSP2

13B-0527-C1

1137 BEGIN CORE

1138 END CORE

TOTAL DEPTH: ~~7.0 FT~~ AJF 7.5 FT

DISTANCE TO TARGET: 8.9 FT NW

EASTING: 592046.59

NORTHING: 718539.83

TIDE: SLACK; BEGINNING TO FALL

PENETRATION: ~~2.8 FT~~ AJF 3.1 FT

REFUSAL: ~~2.8 FT~~ 3.1 FT HARD REFUSAL / HARD STOP

% RECOVERY: 3.0 FT (96.8%)

OXIDATION DEPTH: 2.0 FT.

SEDIMENT AB 3.0

1055 EC 10/7/13

~~1145~~ TRANSPORT BOAT ARRIVES. TRANSFER SAMPLES TO NATHAN PINSKER. SAMPLES INCLUDE:

13B-0526-C1

13B-0526-C2

13B-0526-C3

13B-0526-G1

Location LPR Date 10/8/13

Project / Client SSP2

13B-0527-C2

1204 BEGIN CORE

1206 END CORE

TOTAL DEPTH: 7.3 FT

DISTANCE TO TARGET: 17.9 FT NORTH

EASTING: 592049.42

NORTHING: 718544.26

TIDE: FALLING

PENETRATION: 2.8 FT

REFUSAL: 2.8 FT HARD REFUSAL; SAND

% RECOVERY: 2.8 FT (100.0 %)

OXIDATION DEPTH: 1 FT

SEGMENT AB 2.8 FT

1217 PREP FOR CORE 3.

Location LPR Date 10/8/13

Project / Client SSP2

13B-0527-C3

1230 BEGIN CORE

1233 END CORE

TOTAL DEPTH: 7.3 FT

DISTANCE TO TARGET: 16.3 FT NORTH

EASTING: 592050.10

NORTHING: 718548.80

TIDE: FALLING

PENETRATION: 2.6 FT

REFUSAL: 2.6 FT HARD REFUSAL

% RECOVERY: 2.6 FT (100%)

OXIDATION DEPTH: 1 FT

SEGMENT AB 2.6 FT

1241 PREP FOR CORE 4; FIFA SPLIT ATTEMPT

Location LPR Date 10/8/13

Project / Client SSP2

13B-0527-C4

1249 BEGIN CORE

1252 END CORE

TOTAL DEPTH : 7.0 FT.

DISTANCE TO TARGET: 14.7FT NORTH

EASTING: 592047.69

NORTHING: 718546.77

TIDE: FALLING

PENETRATION: 2.8 FT

REFUSAL: 2.8FT HARD REFUSAL

%RECOVERY: 2.7FT (96.4%)

OXIDATION DEPTH: 2FT.

SEGMENT AB: 2.7FT

1310 PREP FOR GRAB

Location LPR Date 10/8/13

Project / Client SSP2

13B-0527-G1

TOTAL DEPTH : 8.3 FT

DISTANCE TO TARGET: 16.9FT NW

EASTING: 592040.59

NORTHING: 718545.38

1314 GRAB CLOSED

COLOR: GRAY-BROWN (1"-5") BLACK (5"+)

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES

SHEEN OBS. NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: Silt; sand; FINE GRAVEL

KEPT FOR SAMPLE: YES

1331 PREP FOR MOB TO NEXT STATION.

1354 DECON POWER GRAB.

Location LPR Date 10/8/13

Project / Client SSP2

1415 ON STATION; ANCHORING 13B-532

1421 TRANSPORT BOAT ARRIVES. TRANSFER SAMPLES TO NATHAN PINSKER.
SAMPLES TRANSFERRED:
13B-0527-C1
13B-0527-C2
13B-0527-C3
13B-0527-C4
13B-0527-G1

1425 RE-POSITION BOAT FOR CORE 1

Location LPR Date 10/8/13

Project / Client SSP2

13B-0532-C1
1429 BEGIN CORE
1433 END CORE

TOTAL DEPTH: 15.0 FT
DISTANCE TO TARGET: 6.3 FT N
EASTING: 592073.79
NORTHING: 719038.62

TIDE: FALLING

PENETRATION: 8.3 FT
REFUSAL: 8.3 FT (HARD REFUSAL)
% RECOVERY: 9.5 FT (114.5%)
OXIDATION DEPTH: 2.0 FT.
* HIT NATIVE RED CLAY.
SEGMENT AB 4.5 FT
SEGMENT BC 4.5 FT.

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Location LPR Date 10/8/13

Project / Client SSP2

13B-0532-C2

1510 BEGIN CORE

1512 END CORE

TOTAL DEPTH: 13.9 FT

DISTANCE TO TARGET: 2.0 FT EAST

EASTING: 592076.36

NORTHING: 719033.56

PENETRATION: ~~8.5~~ 8.0 FT HAJP 10/16/13

REFUSAL: ~~8.5~~ 8.3 FT HARD REFUSAL

% RECOVERY: 9.5 FT (116.3%)

OXIDATION DEPTH: 2 FT

SEGMENT AB 4.5 FT

SEGMENT BC 4.5 FT

* HIT NATIVE RED CLAY.

1538 PREP FOR GRAB

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Location LPR Date 10/8/13

Project / Client SSP2

13B-0532-G1

TOTAL DEPTH: 13.2 FT

DISTANCE TO TARGET: 4.6 FT SE

EASTING: 592077.79

NORTHING: 719028.92

TIDE: FALLING; LOW TIDE @ 1800 hrs.

1543 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES

SHEEN OBS.: NO

ACTUAL PENETRATION: 12"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

1603 PULL ANCHOR; PREP FOR MOB TO CPG FACILITY.

Location LPR Date 10/8/13

Project / Client SSP2

1611	MOB TO CPG DOCK
1647	ARRIVE AT CPG DOCK
1650	TRANSFER SAMPLES TO N. PINSKER

SAMPLES TRANSFERRED:

13B-0532-C1 AB
13B-0532-C1 BC
13B-0532-C2 AB
13B-0532-C2 BC
13B-0532-G1

1710	RETURN TO CPG FACILITY TO PREP FOR FOLLOWING DAY.

Location LPR Date 10/8/13

Project / Client SSP2

Location LPR Date 10/9/13

Project / Client SSP2

0600 MUSTER IN HOTEL LOBBY
0610 ARRIVE AT CPG FACILITY

0712 DEPART CPG DOCK

WEATHER: 50°F; 50% Humidity
FORECAST: 66°F CLEAR

TIDE: CURRENT: Flooding
LOW: 06:50 hrs
HIGH: 11:59 hrs

VESSEL: R/V Wildy
OSE-CAPTAIN: STEVE BOOAK
OSE-TECH: MORGAN BARRETT
AECOM, TECH: STEVE HOWE
AECOM, LEAD: DREW FOLEY

Proposed Sampling:
13B-0525 13B-0531
13B-0524 13B-0521

0809 ON STATION AT 13B-0521
0815 ANCHORS SET

Location LPR Date 10/9/13

Project / Client SSP2

13B-0521-C1
0831 BEGIN CORE
0834 END CORE

TOTAL DEPTH: 17.3 FT
DISTANCE TO TARGET: 5.6 FT NE
EASTING: 591966.16
NORTHING: 715527.11

PENETRATION: 9.5 FT
REFUSAL: 9.5 FT HARD REFUSAL
% RECOVERY: (7.9 FT) 83.2%
OXIDATION DEPTH: 2.3 FT

SEGMENT AB 8.5
SEGMENT BC 4.0

0901 PREP FOR CORE 2

Location LPR Date 10/9/13

Project / Client SSP2

13B-0521-C2

0912 BEGIN CORE

0915 END CORE

TOTAL DEPTH: 19.3FT.

DISTANCE TO TARGET: 8.1FT EAST

EASTING: 591969.13

NORTHING: 715525.57

PENETRATION: 8.7FT

REFUSAL: 8.7FT HARD REFUSAL

% RECOVERY: (8.4FT) 96.6%

OXIDATION DEPTH: 2.0FT

SEGMENT AB 4.2FT

SEGMENT BC 4.1FT

0936 PREP FOR CORE 3 QC.

Location LPR Date 10/9/13

Project / Client SSP2

13B-0521-C3

0948 BEGIN CORE

0951 END CORE

TOTAL DEPTH: 19.5 FT

DISTANCE TO TARGET: 7.3FT NE

EASTING: 591966.64

NORTHING: 715529.68

PENETRATION: 8.4 FT

REFUSAL: 8.4 FT

% RECOVERY 7.5 FT (89.3%)

OXIDATION DEPTH: 2.0FT

SEGMENT AB 3.7FT

SEGMENT BC 3.6 FT

1007 PREP FOR GRAB 1

1010 DECON GRAB

Location LPR Date 10/9/13

Project / Client SSP2

13B-0521-G1

TOTAL DEPTH: 20.3

DISTANCE TO TARGET: 9.7 FT NE

EASTING 591966.30

NORTHING 715533.04

1030 GRAB CLOSED

COLOR: GRAY - BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NONE

DEBRIS: YES

SHEEN OBS. NO

ACTUAL PENETRATION: 8"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: Silt-Sand

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9 all others = Zero (0)

1045 PREP FOR MOB TO NEXT STATION.

1056 ARRIVE ON STATION 13B-0524

Location LPR Date 10/9/13

Project / Client SSP2

13B-0524-C1

1119 BEGIN CORE

1122 END CORE

TOTAL DEPTH: 9.4 FT

DISTANCE TO TARGET: 4.8 FT WEST

EASTING: 592164.17

NORTHING: 717304.17

PENETRATION: 7.8 FT

REFUSAL: 7.8 FT HARD REFUSAL

% RECOVERY: (6.7 FT) 85.9%

OXIDATION DEPTH: 1 FT.

SEGMENT AB 3.4 FT

SEGMENT BC 3.3 FT

1130 TRANSPORT BOAT ARRIVES TRANSFER SAMPLES TO N. PINSKER. SAMPLES INCLUDE:

13B-0521-C1

13B-0521-C2

13B-0521-C3

13B-0521-G1

ALL TRANSFER AT 11:12

Location LPR Date 10/9/13

Project / Client SSP2

13B-0524-C2

1150 BEGIN CORE

1151 END CORE

TOTAL DEPTH : 8.9 FT

DISTANCE TO TARGET: 1.9FT NW

EASTING: 592167.47

NORTHING: 717306.76

PENETRATION: 3.9 FT

REFUSAL: 3.9FT HARD REFUSAL; Rock/WOOD

% RECOVERY: 1.3 FT. (33.3%)

OXIDATION DEPTH: N/A

SEGMENT AB: N/A

* LOST SAMPLE WHEN pulled up. NO RECOVERY OF SAMPLER RETRIEVED.

1203 PREP FOR CORE 3

Location LPR Date 10/9/13

Project / Client SSP2

13B-0524-C3

1210 BEGIN CORE

1212 END CORE

TOTAL DEPTH: 9.6FT

DISTANCE TO TARGET: 6.2FT SW

EASTING: 592166.16

NORTHING: 717299.17

PENETRATION: 7.4FT.

REFUSAL: 7.4FT HARD REFUSAL; Rock/Gravel

% RECOVERY: 5.6FT (75.7%)

OXIDATION DEPTH: 0.6 FT

SEGMENT AB: 2.7FT

SEGMENT BC: 2.9FT

1229 PREP FOR GRAB

Location LPR Date 10/9/13

Project / Client SSP2

13B-0524-G1

TOTAL DEPTH : 9.2FT

DISTANCE TO TARGET: 3.9 FT SOUTH

EASTING : 592169.82

NORTHING : 717301.66

1257 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: HEAVY DEBRIS = LEAVES, STRAWS, STICKS

SHEEN OBS.: NO

ACTUAL PENETRATION : 10"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; VOCs = 1.9 ALL OTHER READINGS = ZERO (0)

1330 MOB TO STATION 13B-0525

Location LPR Date 10/9/13

Project / Client SSP2

1335 TRANSFER SAMPLES TO N. PINSKER.

SAMPLES TRANSFERRED:

13B-0524-C1

13B-0524-C3

13B-0524-G1

13B-0524-C2; HIT ROCK <1FT POOR RECOVERY. <30%

LOST DURING PROCESSING.

DELAY IN TRANSFER SIGN; ~~SAMPLE~~ HIT

TRANSFER AT 14:04

1340 TRANSPORT BOAT DEPARTS

13-B0525-C1

1341 BEGIN CORE

1343 END CORE

TOTAL DEPTH : 7.4FT

DISTANCE TO TARGET: 3.8 FT WEST

EASTING: 592005.25

NORTHING: 717904.42

PENETRATION/REFUSAL: 8.9 FT HARD REFUSAL

% RECOVERY : 8.3FT (93.3%)

OXIDATION: 1 FT

SEGMENT A: 4.1 FT

SEGMENT B: 4.2 FT

Location LPR Date 10/9/13

Project / Client SSP2

13B-0525-C2

1421 BEGIN CORE

1423 END CORE

TOTAL DEPTH : 6.6 FT.

DISTANCE TO TARGET: 5.4 FT SOUTH

EASTING : 592009.08

NORTHING: 717898.98

PENETRATION: 9.1 FT

REFUSAL: 9.1 FT HARD REFUSAL

% RECOVERY: 7.6 FT (83.5%)

OXIDATION DEPTH: 1 FT.

SEGMENT AB 3.9 FT

SEGMENT BC 3.7 FT

1440 PREP FOR GRAB

1445 DECON POWER GRAB.

Location LPR Date 10/9/13

Project / Client SSP2

13B-0525-G1

TOTAL DEPTH :

DISTANCE TO TARGET: 5.2

EASTING: 592011.51

NORTHING: 717899.77

1458 GRAB CLOSED.

COLOR: BROWN

GRAB METHOD: Power Grab

Biological MATERIAL: NO

DEBRIS: YES

SHEEN OBS. : NO

ACTUAL PENETRATION : 12"

TARGET PENETRATION: 6"

REDOX Potential Discontinuity:

TEXTURE: silt-SAND-clay

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; VOCs = 1.8

All OTHER READINGS = ZERO (0)

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Location LPR Date 10/9/13

Project / Client SSP2

1525	DECON POWER GRAB
1535	MOB BACK TO CPG DOCK
1621	ARRIVE AT CPG DOCK
1625	TRANSFER SAMPLES TO N. PINSKER

SAMPLES TRANSFERRED:

13B-0525-C1
13B-0525-C2
13B-0525-G1

1642 RETURN TO CPG FACILITY

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Location LPR Date 10/9/13

Project / Client SSP2

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BOAT Q-02

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ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

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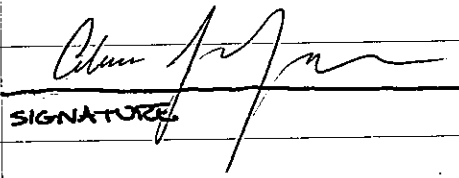
	PRINTED NAME	
		
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Location LPR Date 10/10/13

Project / Client SSP2

0630 ARRIVE AT CPG FACILITY.

0645 LOAD VEHICLE; PREP FOR EQUIPMENT BLANK.

0712 COMPLETE EQUIPMENT BLANK FOR 13B-0525-C2XR

0756 TRANSFER EQUIPMENT BLANK TO

0820 COMPLETE EQUIPMENT BLANK FOR 13B-0525-G1AR

0909 DEPART CPG DOCK ABOARD R/V Wilder

WEATHER: 53°F; 50% Humidity Cloudy-RAIN

FORECAST: HEAVY RAIN; 70°F

CURRENT TIDE: Flooding

LOW TIDE: 07:28

HIGH TIDE: 13:08

ON BOARD:

OSI - STEVE BODAK - CAPTAIN AECOM; DREW FOLEY (LEAD)

OSI - JAFF PYDESHI - TECH

AECOM - STEVE HOWA - TECH

Location LPR Date 10/10/13

Project / Client SSP2

PROPOSED SAMPLING:
13B-0536 - C1, C2, C3, G1
13B-0531 - C1, C2, C3, G1
13B-0535 - C1, C2, C3, G1

0945 ON STATION 13B-0536

13B-0536-C1
TOTAL DEPTH: 8.0 FT
DISTANCE TO TARGET: 19.2FT NW
EASTING: 592264.83
NORTHING: 719802.79
1007 BEGIN CORE @ 1007
PENETRATION: 7.3FT
1008 END CORE @ 1008
REFUSAL: 7.3FT; HARD REFUSAL; GRAVEL
% RECOVERY: (5.9FT) 80.8%
OXIDATION DEPTH: 8"

SEGMENT: AB 3.1FT
SEGMENT: BC 2.5FT

1032 PREP FOR CORE 2

Location LPR Date 10/10/13

Project / Client SSP2

13B-0536-C2
1039 BEGIN CORE
1041 END CORE

TOTAL DEPTH: 7.9 FT
DISTANCE TO TARGET: 22.9' W
EASTING: 592266.22
NORTHING: 719807.92

PENETRATION: 6.6 FT
REFUSAL: 6.6FT; HARD REFUSAL; GRAVEL
% RECOVERY: 4.2FT; 63.6%
OXIDATION DEPTH: 6"

SEGMENT AB: 4.2FT

1058 PREP FOR CORE 3

Location LPR Date 10/10/13

Project / Client SSP2

13B-0536-C3

1105 BEGIN CORE

1107 END CORE

TOTAL DEPTH : 8.8 FT
DISTANCE TO TARGET : 20.2 NORTH
EASTING : 592268.70
NORTHING : 719806.07

PENETRATION: 2.2FT
REFUSAL : 2.2FT
% RECOVERY : 2.5FT (113.6%)
OXIDATION DEPTH : 6"

SEGMENT AB : 2.5FT

STRUCK OBJECT; HARD REFUSAL

1141 PREP FOR GRAB

Location LPR Date 10/10/13

Project / Client SSP2

13B-0536-G1

TOTAL DEPTH: 9.3 FT
DISTANCE TO TARGET: 23.8' NORTH
EASTING : 592270.29
NORTHING : 719810.37

1146 GRAB CLOSED @ 1146

COLOR: GRAY-BROWN
GRAB METHOD: POWER GRAB
BIOLOGICAL MATERIAL : YES; WORMS (OLIGOCHAETES)
DEBRIS: YES
SHEEN OBS.: YES
ACTUAL PENETRATION: 4"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY:
TEXTURE: SILT-CLAY-SAND
KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; CO: 20.0; ALL OTHER READINGS = ZERO (0)

1201 PREP FOR SECOND STATION.
STATION 13B-0535

Location LPR Date 10/10/13

Project / Client SSP2

1210 SET ANCHOR ON 13B-0536

13B-0535-C1

1245 BEGIN CORE

1247 END CORE

TOTAL DEPTH : 17.7FT

DISTANCE TO TARGET : 2.8FT NW

EASTING: 592031.93

NORTHING: 719434.19

TIDE: HIGH @ 1303

PENETRATION: 3.7FT

REFUSAL: 3.7FT ; HARD REFUSAL

% RECOVERY : 2.9FT ; 78.4%

OXIDATION DEPTH: 2.9FT

SEGMENT AB: 2.9 FT

HARD REFUSAL; ROCK/GRAVEL. REDDISH CLAY NOTICABLE AT 2.9 FT

1305 PREP FOR CORE 2 @ 13B-0535

1320 TRANSPORT BOAT ARCHIVES

Location LPR Date 10/10/13

Project / Client SSP2

1329 TRANSFER SAMPLES TO N. PINSKER.

SAMPLES TRANSFERRED:

13B-0536-C1

13B-0536-C2

13B-0536-C3

13B-0536-G1

13B-0535-C2

1350 BEGIN CORE

1352 END CORE

TOTAL DEPTH: 18.2 FT

DISTANCE TO TARGET: 3.3FT SOUTH

EASTING: 592035.74

NORTHING: 719430.22

PENETRATION: 5.0 FT

REFUSAL: 5.0 FT HARD REFUSAL

% RECOVERY: 4.5FT (90.0%)

OXIDATION DEPTH: 1.5FT

SEGMENT AB 4.5

RED NATIVE APPEARS IN TUBE CORE SOILS. APPEARS AT APPROXIMATELY 2.9FT.

1409 PREP FOR CORE 3.

Location LPR Date 10/10/13

Project / Client SSP2

13B-0535-C3

1418 BEGIN CORE

1420 END CORE

TOTAL DEPTH : 18.2 FT
DISTANCE TO TARGET: 7.3' SE
EASTING: 592041.73
NORTHING: 719432.33

TIDE: FALLING
PENETRATION: 4.6 FT
REFUSAL: 4.6 FT; HARD REFUSAL
% RECOVERY: 5.0 FT. (108.7%)
OXIDATION DEPTH: 2.0 FT

SEGMENT AB = 3.1
SEGMENT BC = 1.9
* RED NATIVE SOIL/CLAY APPEARS IN CORE. NATIVE APPEARS IN CORE 1.9FT DOWN.

1435 PREP FOR GRAB

Location LPR Date 10/10/13

Project / Client SSP2

13B-0535-G1

TOTAL DEPTH : 17.4 FT
DISTANCE TO TARGET: 10.3FT SE
EASTING: 592044.32
NORTHING: 719429.92

1509 GRAB CLOSED.

COLOR: BROWN
GRAB METHOD: POWER GRAB
BIOLOGICAL MATERIAL: NO
DEBRIS: HEAVY
SHEEN OBS.: YES
ACTUAL PENETRATION: 6"
TARGET PENETRATION: 6"
REDOX POTENTIAL DISCONTINUITY:
TEXTURE: Silt; FINE SAND
KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; VOC = 1.2
ALL OTHER READINGS EQUAL ZERO.

Location LPR Date 10/10/13

Project / Client SSP2

1532 CURRENT TIDE IS FALLING. PREP FOR MOB BACK TO CPG. PULL ANCHORS. HIGH WIND AND RAIN.

1540 ~~BEGIN~~ BEGIN TO CPG DOCK.

1626 ARRIVE AT CPG DOCK.

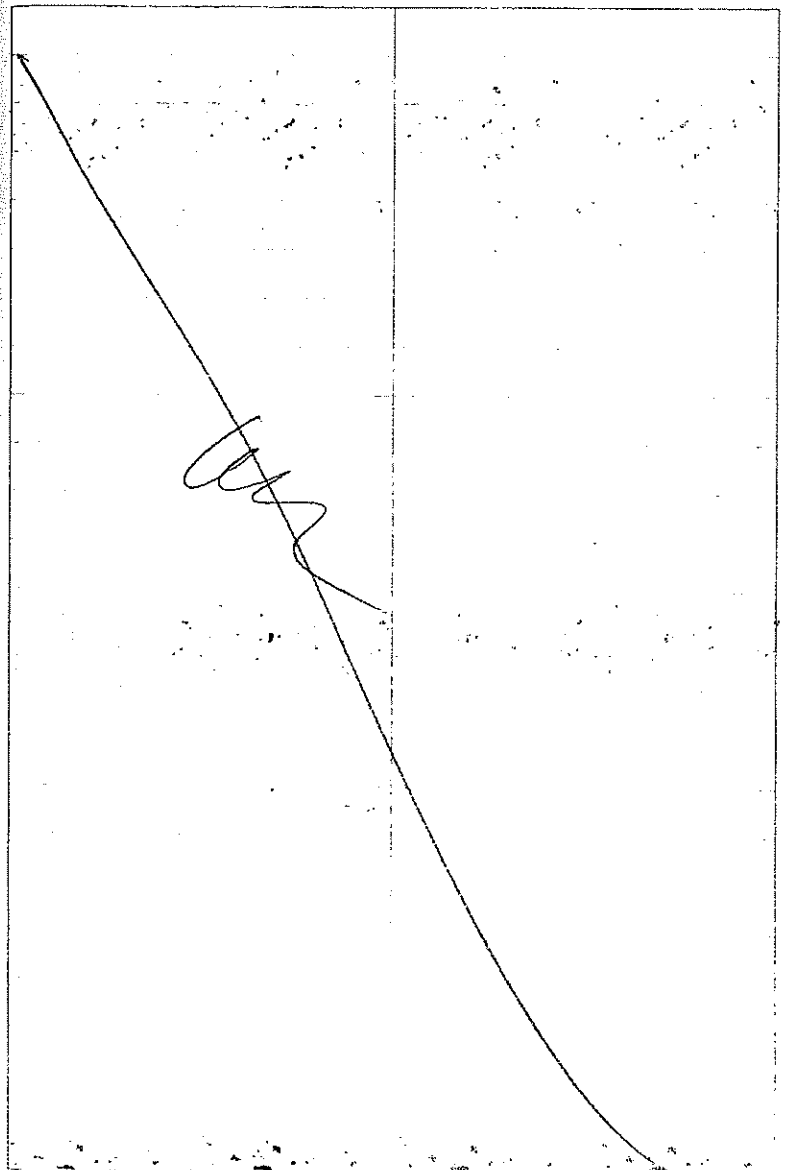
1628 TRANSFER SAMPLES TO NATHAN PINSKER SAMPLES TRANSFERRED WERE/INCLUDE:

13B-0535-C1
13B-0535-C2
13B-0535-C3
13B-0535-G1

RETURN TO CPG FACILITY

Location LPR Date 10/10/13

Project / Client SSP2



Location LPR Date 10/11/13

Project / Client SSP2

0620 ARRIVE AT CPG FACILITY.
0627 LOAD VEHICLE AND PREP FOR DOCK DEPARTURE.

0725 DEPART CPG DOCK ABOARD R/V Wildu

WEATHER: 59°F; 50% Humidity
FORECAST: 62°F, 60% CHANCE OF RAIN

TIDES: CURRENT TIDES: FALLING
LOW: 0856
HIGH: 1407
LOW: 2254

FOUR (4) PERSONS ABOARD THE R/V Wildu
OSI · CAPTAIN · JEFF PYDESKI
OSI · TECH · STEVE BOMAR
AECOM · TECH · STEVE HOWE
AECOM · LEAD · DREW FOLEY

Proposed Sampling:

13B-0517	13B-0535
13B-0519	EXPLORE 3RD RIVER LOCATION
13B-0531	

Location LPR Date 10/11/13

Project / Client SSP2

0822 ON STATION - 13B-0517
0822 ANCHOR SET

13B-0517-C1
0851 BEGIN CORE
0853 END CORE

TOTAL DEPTH: 17.2 FT
DISTANCE TO TARGET: 8.1 FT NW
EASTING: 591724.21
NORTHING: 715010.46

TIDE: FALLING
PENETRATION: 9.5 FT
REFUSAL: 9.5 FT (NO REFUSAL; limit)*
% RECOVERY: 3.5 FT (36.8%)
OXIDATION DEPTH: 3.5 FT.

SEGMENT AB: 3.5 FT

* CORE LIMIT IS 9.5-10' ON THE R/V Wildu. WITHOUT REFUSAL R/V Wildu CAN ONLY GO 9.5-10 FT INTO SEDIMENT.

NO NATIVE; NO REFUSAL. INSTRUCTED TO ABANDON AND MOVE TO 13B-0519. LEAVING STATION FOR THE R/V CANDU.

Location LPR Date 10/11/13

Project / Client SSP2

0917 PREP FOR MOB TO 13B-0519.

0924 PULL ANCHORS AT 13B-0517.

0937 ON STATION 13B-0519, ANCHORS SET

13B-0519-C1

0949 BEGIN CORE

0951 END CORE

TOTAL DEPTH: 15.7 FT

DISTANCE TO TARGET: 3.4 FT N

EASTING: 591721.60

NORTHING: 715152.06

TIDE: SLACK, FLOOD

PENETRATION: 9.8 FT

REFUSAL: NONE, NO NATIVE OR REFUSAL

% RECOVERY: 8.9 FT (90.8%)

OXIDATION DEPTH: 2 FT

SEGMENT AB 4.5 FT

SEGMENT BC 4.4 FT

NO NATIVE OR REFUSAL. NEED TO HAVE 20FT CORES. ABANDON STATION, LEAVE FOR THE R/V CANOE.

Location LPR Date 10/11/13

Project / Client SSP2

1018 PREP FOR MOB TO NEXT STATION. PULL ANCHORS. MOB TO 0531.

1030 ON STATION, DROPPING/SETTING ANCHORS. ISSUE ANCHORING - HIGH WIND. MOB TO A DIFFERENT STATION, 0545.

13B-0545-C1

1129 BEGIN CORE

1130 END CORE

TOTAL DEPTH: 8.5 FT

DISTANCE TO TARGET: 1.9 FT NORTH

EASTING: 594678.33

NORTHING: 723930.49

TIDE: FLOOD.

PENETRATION: 5.1 FT

REFUSAL: 5.1 FT (HARD REFUSAL)

% RECOVERY: 3.5 FT (68.6%)

OXIDATION DEPTH: 1 FT

SEGMENT AB 3.5 FT.

1142 PREP FOR CORE 2.

18

Location LPR Date 10/11/13

Project / Client SSP2

13B-0545-C2

1147 BEGIN CORE

1148 END CORE

TOTAL DEPTH: 10.5FT

DISTANCE TO TARGET: 73FT SW

EASTING: 594673.43

NORTHING: 723927.64

PENETRATION: 4.8 FT

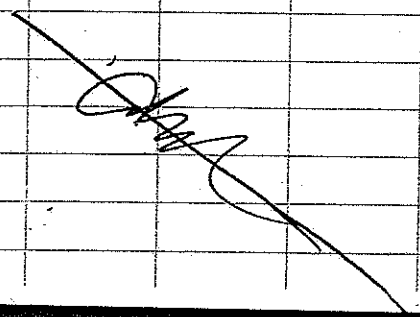
REFUSAL: 4.8FT. HARD REFUSAL: GRAVEL/SAND

% RECOVERY: 2.7FT (56.3%)

OXIDATION DEPTH: 1FT.

SEGMENT AB 2.7FT

1205 PREP FOR CORE 3; RE-POSITION THE BOAT.



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Location LPR Date 10/11/13

Project / Client SSP2

13B-0545-C3

1208 BEGIN CORE

1209 END CORE

TOTAL DEPTH: 9.3FT

DISTANCE TO TARGET: 9.0FT SW

EASTING: 594670.17

NORTHING: 723930.99

PENETRATION: 3.7FT.

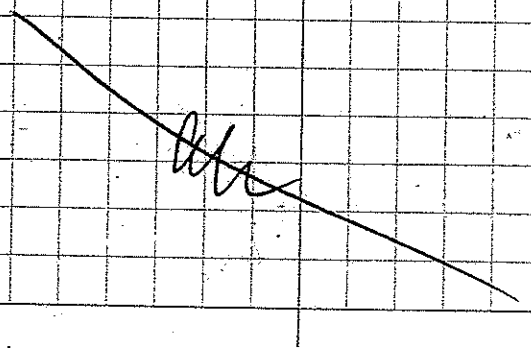
REFUSAL: 3.7FT, HARD REFUSAL.

% RECOVERY: 2.5FT. (67.6%)

OXIDATION DEPTH: 1FT

SEGMENT AB = 2.5FT

1224 PREP FOR GRAB. DECON GEAR.



Location LPR Date 10/11/13

Project / Client SSP2

13B-0545-G1

TOTAL DEPTH: 10.0

DISTANCE TO TARGET: 8.8 SW

EASTING: 594677.65

NORTHING: 723929.89

1243 GRAB CLOSED:

COLOR: N/A

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: N/A

DEBRIS: YES, ROCKS

SHEEN OBS. N/A

ACTUAL PENETRATION: 0"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE:

KEPT FOR SAMPLE: NO

* LARGE ROCKS BLOCKED POWER GRAB FROM CLOSING. UNABLE TO OBTAIN SAMPLE

Location LPR Date 10/11/13

Project / Client SSP2

13B-0545-G2

TOTAL DEPTH: 10.0 FT

DISTANCE TO TARGET: 3.7 FT SOUTH

EASTING: 594679.15

NORTHING: 723928.47

1247 GRAB CLOSED

COLOR: N/A

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES, LARGE STICKS AND ROCKS PREVENT GRAB FROM CLOSING.

SHEEN: NO

ACTUAL PENETRATION: 0"

TARGET PENETRATION: 6"

TEXTURE: N/A

KEPT FOR SAMPLE: NO

* LARGE ROCKS AND STICKS BLOCKED POWER GRAB FROM CLOSING. UNABLE TO OBTAIN SAMPLE

Location LPR Date 10/11/13

Project / Client SSP2

13B-0545-G3

TOTAL DEPTH: 10.5 FT

DISTANCE TO TARGET: 9.9 FT EAST

EASTING: 594688.66

NORTHING: 723935.02

1256 GRAB CLOSED:

COLOR: N/A

GRAB METHOD: Power Grab

BIOLOGICAL MATERIAL: NO

DEBRIS: YES; ROCKS AND STICKS

SHEEN OBS. N/A

ACTUAL PENETRATION: 1.0"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: N/A

KEPT FOR SAMPLE: NO

* LARGE ROCKS AND STICKS PREVENT POWER GRAB FROM CLOSING. UNABLE TO OBTAIN A SAMPLE.

Location LPR Date 10/11/13

Project / Client SSP2

1300 INVESTIGATE THIRD RIVER PROPOSED SAMPLING AREA.

1320 MOB TO 13B-0543

1331 SPUDS IN; PREP FOR CORE

13B-0543-C1

1341 BEGIN CORE

1342 END CORE

TOTAL DEPTH: 5.2 FT

DISTANCE TO TARGET: 0.6 FT

EASTING: 594333.92

NORTHING: 723897.71

PENETRATION: 6.8 FT

REFUSAL: 6.8 FT, HAKO REFUSAL

% RECOVERY: 5.3 FT (77.9%)

OXIDATION DEPTH: 1.5 FT.

SEGMENT AB 3.0 FT

SEGMENT BC 2.3 FT

Location LPR Date 10/11/13

Project / Client SSP2

1349 TRANSPORT BOAT ARRIVES. TRANSFER SAMPLES TO NATHAN PINSKER. SAMPLES TRANSFERRED INCLUD:

13B-0517-C1
13B-0519-C1
13B-0545-C1
13B-0545-C2
13B-0545-C3

* UNABLE TO OBTAIN 4 GRAB AT 13B-0545.

1357 TRANSPORT BOAT DEPARTS.

1400 PREP FOR CORE 2.

CURRENT TIDE IS HIGH

Location LPR Date 10/11/13

Project / Client SSP2

13B-0543-C2
1405 BEGIN CORE
1407 END CORE

TOTAL DEPTH: 5.5 FT
DISTANCE TO TARGET: 6.2 FT SOUTH
EASTING: 594331.84
NORTHING: 723892.42

PENETRATION: 7.7 FT
REFUSAL: 7.7 FT HARD REFUSAL; GRAVEL SAND
% RECOVERY: (4.4 FT) (57.1%)
OXIDATION DEPTH:

SEGMENT AB 4.4 FT.

1425 PREP FOR CORE 3.

Location LPR Date 10/10/13

Project / Client SSP2

13B-0543-C3

1427 BEGIN CORE

1428 END CORE

TOTAL DEPTH: 5.5 FT

DISTANCE TO TARGET: 9.3 FT SW

EASTING: 594327.21

NORTHING: 723891.69

PENETRATION: 3.5 FT

REFUSAL: 3.5 FT; HIT ROCKS; HARD REFUSAL

% RECOVERY: 2.4 FT (68.6%)

OXIDATION DEPTH: 2.0 FT

SEGMENT 4B 2.4 FT

1438 PREP FOR GRAB.

Location LPR Date 10/11/13

Project / Client SSP2

13B-0543-G1

TOTAL DEPTH: 5.4 FT

DISTANCE TO TARGET: 9.2 FT SW

EASTING: 594326.70

NORTHING: 723892.51

1455 GRAB CLOSED:

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NON-LIVING

DEBRIS: HEAVY; ~~LEAVES~~, STICKS

SHEEN OBS.: NO

ACTUAL PENETRATION: 6"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT AND HEAVY DEBRIS.

KEPT FOR SAMPLE: YES

Location LPR Date 10/11/13

Project / Client SSP2

1519	MOB BACK TO CPG DOCK
1539	ARRIVE AT CPG DOCK
1541	TRANSFER SAMPLES TO NATHAN PINSKER. SAMPLES TRANSFERRED INCLUDE:

13B-0543-C1
13B-0543-C2
13B-0543-C3
13B-0543-G1

1558	ARRIVE AT CPG FACILITY; PREP FOR MONDAY.

Location LPR Date 10/11/13

Project / Client SSP2

Location LPR Date 10/14/13

Project / Client SSP2

0600	MUSTER IN HOTEL LOBBY
0620	ARRIVE AT CPG FACILITY
0650	ARRIVE AT CPG DOCK TO LOAD SUPPLIES AND GEAR ONTO THE R/V Wilda.
0725	DEPART DOCK

ON BOARD R/V Wilda
OSI · CAPTAIN · JEFF PYPOSKI
OSI · TECH. · MORGAN BARRATT
ARCOM · TECH · STEVE HOWE
ARCOM · LEAD · DREW FOLEY

WEATHER: 50°F; Humidity 50%
FORECAST: 68°F; partly Sunny

TIDES: CURRENT: FALLING
HIGH: 0500; 1724
LOW: 1221; 0051

0726	MOB TO STATION 13B-0531
0802	ARRIVE AT STATION 13B-0531

Location LPR Date 10/14/13

Project / Client SSP2

0825	ANCHORS SET 13B-0531-C1
0845	BEGIN CORE
0848	END CORE

TOTAL DEPTH: 14.0'
DISTANCE TO TARGET: 2.0' EAST
EASTING: 592008.51
NORTHING: 719056.68

PENETRATION: 3.0 FT
REFUSAL: 3.0 FT HARD REFUSAL (Compact Sand)
% RECOVERY: 2.6 FT (86.7%)
OXIDATION DEPTH: 2.6 FT

SEGMENT AB: 2.6 FT

0911	PREP FOR CORE 2

32

Location LPR Date 10/14/13

Project / Client SSP2

13B-0531-C2

0917 BEGIN CORE

0921 END CORE

TOTAL DEPTH: 13.3 FT

DISTANCE TO TARGET: 6.5FT SE

EASTING: 592009.48

NORTHING: 719050.25

PENETRATION: 7.5 FT

REFUSAL: HARD REFUSAL @ 7.5FT (Compacted) Sand/clay

% RECOVERY: 7.9FT; 105.3%

OXIDATION DEPTH: 4.0FT

* RED CLAY OBSERVED AT BOTTOM OF CORE.

SEGMENT AB: 3.5FT

SEGMENT BC: 4.7 FT

0952 PREP FOR CORE 3

33

Location LPR Date 10/14/13

Project / Client SSP2

13B-0531-C3

1004 BEGIN CORE

1008 END CORE

TOTAL DEPTH: 12.6 FT SOUTH

DISTANCE TO TARGET: 11.2FT SOUTH

EASTING: 592009.96

NORTHING: 719045.25

PENETRATION: 8.4FT

REFUSAL: 8.4FT; HARD REFUSAL Compact Clay*

% RECOVERY: 9.6 FT (114.3%)

OXIDATION DEPTH: 3.1 FT

* RED NATIVE CLAY OBSERVED IN LOWER SECTION OF CORE LINER.

SEGMENT AB 2.9FT

SEGMENT BC 3.0FT

SEGMENT CD 3.0 FT

1040 PREP FOR GRAB.

Location LPR Date 10/14/13

Project / Client SSP2

13B-0531-G1

TOTAL DEPTH: 11.7FT

DISTANCE TO TARGET: 14.6' SOUTH

EASTING: 592008.45

NORTHING: 719041.61

1109 GRAB CLOSED

COLOR: GRAY-BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL:

DEBRIS: YES

SHEEN OBS.: NO

ACTUAL PENETRATION: 6"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

1126 MOB TO 13B-0509

1140 ARRIVE AT LOCATION:

1144 ANCHORS SET/SPUDS IN

Location LPR Date 10/14/13

Project / Client SSP2

13B-0509-C1

1153 BEGIN CORE @ 13B-509

1154 END CORE

TOTAL DEPTH: 8.2 FT

DISTANCE TO TARGET: 6.6 FT EAST

EASTING: 589716.34

NORTHING: 711830.32

PENETRATION: 5.4FT

REFUSAL: HARD REFUSAL @ 5.4 FT

% RECOVERY: 4.6FT (85.2%)

OXIDATION DEPTH: 1FT

*NATIVE MARBLED APPEARS IN CORE.

SEGMENT AB: 4.6 FT

CURRENT TIDE: LOW/FALLING; LOW @ 1221

1202 TRANSPORT BOAT ARRIVES. TRANSFER SAMPLES TO NATHAN PINSKER @ 1203

SAMPLES TRANSFERRED INCLUDE:

13B-0531-C1

13B-0531-C2

13B-0531-C3

13B-0531-G1

Location LPR Date 10/14/13

Project / Client SSP2

13B-0509-C2

1333 BEGIN CORE

1335 END CORE

TOTAL DEPTH: 8.2FT

DISTANCE TO TARGET: 6.3FT SOUTH

EASTING: 589713.83

NORTHING: 71828.30

PENETRATION: 6.4FT

REFUSAL: HARD REFUSAL @ 6.4FT Compact Sand

% RECOVERY: 5.3FT (82.8%)

OXIDATION DEPTH: 0.5FT.

TIDE: FLOODING

SEGMENT AB 3.2FT

SEGMENT BC 2.1FT

1403 PREP FOR CORE 3

Location LPR Date 10/14/13

Project / Client SSP2

*13B-0509-C3

* BEGIN CORE

* END CORE

TOTAL DEPTH: 7.7FT

DISTANCE TO TARGET: 5.7 SOUTH

* EASTING:

* NORTHING:

* PENETRATION:

* REFUSAL:

* % RECOVERY:

* OXIDATION DEPTH:

* SEGMENT AB

* SOLENOID IN POWER WINCH ON R/V WILDA BURNED OUT. UNABLE TO COLLECT CORE 3. WILL REPLACE SOLENOID IN THE EVENING. MOVING ON TO GRAB.

Location LPR Date 10/14/13

Project / Client SSP2

1457 DECON POWER GRAB

13B-0509-G1

TOTAL DEPTH: 7.8FT

DISTANCE TO TARGET: 5.1 FT SOUTH

EASTING: 589711.43

NORTHING: 711828.68

1458 GRAB CLOSED:

* COLOR: N/A
* GRAB METHOD: POWER GRAB
* BIOLOGICAL MATERIAL:
* DEBRIS: HEAVY
* SHEEN OBS.: N/A
* ACTUAL PENETRATION: N/A
* TARGET PENETRATION: N/A
* REDOX POTENTIAL DIS.:
* TEXTURE: N/A
* KEPT FOR SAMPLE: NO N/A

* UNABLE TO OBTAIN A SAMPLE DUE TO DENSE STICKS AND ROCKS. UNABLE TO CLOSE POWER GRAB COMPLETELY.

Location LPR Date 10/14/13

Project / Client SSP2

* 13B-0509-G2

TOTAL DEPTH: 16.7FT

DISTANCE TO TARGET: 18.7FT EAST

EASTING: 589725.91

NORTHING: 711822.94

1508 GRAB CLOSED

* UNABLE TO COLLECT/OBTAIN SAMPLE DUE TO HEAVY ROCKS, DEBRIS, STICKS

* 13B-0509-G3

TOTAL DEPTH: 16.7FT

DISTANCE TO TARGET: ~~20.0FT~~ ADJ 19.9FT SE

EASTING: 589724.24

NORTHING: 711819.10

1511 GRAB CLOSED.

* UNABLE TO COLLECT OR OBTAIN GRAB SAMPLE DUE TO HEAVY ROCKS, DEBRIS, AND STICKS.

Location LPR Date 10/14/13

Project / Client SSP2

1530	MOB BACK TO CPG DOCK
1616	ARRIVE AT CPG DOCK.
1623	TRANSFER SAMPLES TO NATHAN PINSKER. SAMPLES TRANSFERRED INCLUDE:

13B-0509-C1

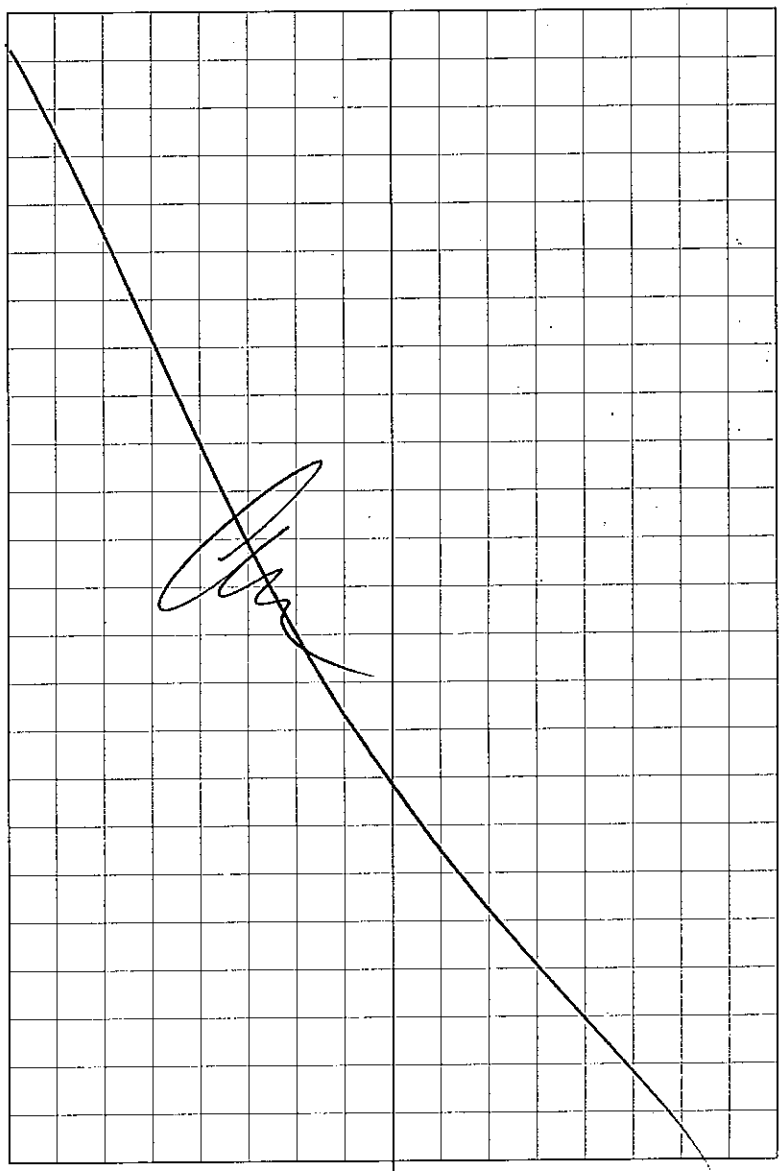
13B-0509-C2

* UNABLE TO COLLECT 13B-0509-G1; G2; G3 DUE TO HEAVY DEBRIS, ROCKS, AND STICKS.

MOB BACK TO FACILITY TO PREP FOR 10/15, DO PAPERWORK, AND CALIBRATE INSTRUMENTS.

Location LPR Date 10/14/13

Project / Client SSP2



Location LPR Date 10/15/13

Project / Client SSP2

0600	MUSTER IN HOTEL LOBBY
0620	ARRIVE AT GIG FACILITY
0648	ARRIVE AT CPG DOCK; LOAD SUPPLIES AND GEAR ONTO THE R/V Wildy.
	ON BOARD:
	OSI - JEFF PYDOSHI - CAPTAIN
	OSI - Morgan Barrett - TECH
	AECOM - STEVE HOWE - TECH
	AECOM - DREW FOLEY - LEAD
0715	DEPART DOCK
	WEATHER: 60°F CLEAR.
	FORECAST: 68°F CLEAR; partly cloudy
	TIDES: Currently; EBBING
	HIGH: 0602 hrs; 0623 hrs
	LOW: 1317 hrs.
0721	MOB TO STATION 13B-0576
0745	ARRIVE AT 3FO RIVER - 13B-0576

Location LPR Date 10/15/13

Project / Client SSP2

0758	Spuds IN ON 13B-0576
	13B-0576 - C1
0811	BEGIN CORE
0813	END CORE
	TOTAL DEPTH: 6.1 FT
	DISTANCE TO TARGET: 1.6 FT
	EASTING: 594381.65
	NORTHING: 724153.33
	PENETRATION: 4.7 FT
	REFUSAL: HARD REFUSAL @ 4.7FT
	% RECOVERY: 3.2 FT (68.1%)
	OXIDATION DEPTH: 0.5FT
	REFUSAL @ ~~4.7FT~~ AGE 10/15/13 4.7FT IN AB COMPACT SAND.
	SEGMENT AB 3.2FT.
0834	PREP FOR CORE 2.

Location LPR Date 10/15/13

Project / Client SSP2

13B-0576-C2

0842 BEGIN CORE

0844 END CORE

TOTAL DEPTH: 5.2 FT

DISTANCE TO TARGET: 4.3 FT EAST

EASTING: 594383.03

NORTHING: 724149.09

PENETRATION: 4.5 FT

REFUSAL: REFUSAL @ 4.5 FT compacted sand

% RECOVERY: 3.1 FT (68.9%)

OXIDATION DEPTH: 0.5 FT

SEGMENT AB 3.1 FT

0859 PREP FOR CORE 3

0903 REPOSITION R/V WILDY SLIGHTLY.

Location LPR Date 10/15/13

Project / Client SSP2

13B-0576-C3

0909 BEGIN CORE

0911 END CORE

TOTAL DEPTH: 5.2 FT.

DISTANCE TO TARGET: 8.0 FT WEST

EASTING: 594385.64

NORTHING: 724158.44

PENETRATION: 3.3 FT

REFUSAL: 3.3 FT; Compact Sand.

% RECOVERY: 0.9 FT * LOST

OXIDATION DEPTH: N/A

SEGMENT AB * LOST SAMPLE DURING PROCESSING; DURING REMOVAL OF SHOE.

0922 PREP FOR CORE

0925 DECON CREW

Location LPR Date 10/15/13

Project / Client SSP2

13B-0576-G1

TOTAL DEPTH: 3.9FT

DISTANCE TO TARGET: 10.7FT West

EASTING: 594388.19

NORTHING: 724145.23

0924 GRAB CLOSED:

*UNABLE TO OBTAIN SAMPLE. POWER GRAB PREVENTED FROM CLOSING - ROCKS.

13B-0576-G2

TOTAL DEPTH: 3.9FT

DISTANCE TO TARGET: 13.0FT EAST

EASTING: 594391.90

NORTHING: 724146.60

0939 GRAB CLOSED:

*UNABLE TO OBTAIN SAMPLE. GRAB Prevented from closing due to ROCKS AND HEAVY DEBRIS.

Location LPR Date 10/15/13

Project / Client SSP2

13B-0576-G3

TOTAL DEPTH 4.0 FT

DISTANCE TO TARGET: 10.7FT West

EASTING: 594388.64

NORTHING: 724159.15

0940 GRAB CLOSED

COLOR: GRAY-BROWN

GRAB ~~MATERIAL~~ METHOD: Power Grab

BIOLOGICAL MATERIAL: No

DEBRIS: YES

SHEEN OBS. No

ACTUAL PENETRATION: 2"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: Silt-SAND-Gravel

KEPT FOR SAMPLE: YES

PID READINGS; O_2 = 20.9; VOCs 1.0

NO OTHER READINGS

0941 TRANSPORT BOAT ARRIVES.

Location LPR Date 10/15/13

Project / Client SSP2

1006	Samples transferred to Nathan Pinsker. Samples transferred include:
	13B-0576-C1
	13B-0576-C2
	13B-0576-G3
1015	Transport boat departs
1020	Mob to 13B-0538
1045	Prep for Core 1

Location LPR Date 10/15/13

Project / Client SSP2

13B-0538-C1

1107 Begin Core

1110 End Core

Total Depth: 9.4ft

Distance to target: 6.8ft East

Easting: 592288.04

Northing: 720193.48

Penetration: 8.5ft

Refusal: None; Hit native red at 2.5ft

% Recovery: * (9.3ft) 109.4%

Oxidation Depth: 1ft.

Segment AB: 3.1ft

*Native red clay present in core

Sample location within 15ft of stormwater outfall.

Segment BC: 3.4ft

Segment CD: 3.1ft

1142 Prep for Core 2

Location LPR Date 10/15/13

Project / Client SSP2

13B-0538-C2

1302 BEGIN CORE

1304 END CORE

TOTAL DEPTH: 14.2 FT

DISTANCE TO TARGET: 15.6 FT NORTH

EASTING: 592283.32

NORTHING: 720210.08

TIDE: SLACK.

PENETRATION: 5.4 FT

REFUSAL: 5.4 FT REFUSAL

%RECOVERY: * 5.9 FT (109.3%)

OXIDATION DEPTH: 0.5 FT.

SEGMENT AB. 3.1 FT

SEGMENT BC 2.8 FT

*NATIVE OBSERVED IN CORE 1 FT DOWN. CORE LOCATION CLOSE TO STORMWATER OUTFALL.

1345 PREP FOR CORE 3

Location LPR Date 10/15/13

Project / Client SSP2

13B-0538-C3

1354 BEGIN CORE

1355 END CORE

TOTAL DEPTH: 5.7 FT

DISTANCE TO TARGET: 9.2 FT SOUTH

EASTING: 592286.60

NORTHING: 720187.09

TIDE: FLOODING

PENETRATION: 7.2 FT

REFUSAL: 7.2 FT REFUSAL

% RECOVERY: * (7.0 FT) 97.2%

OXIDATION DEPTH: 1-2 FT

SEGMENT AB. 3.0 FT

SEGMENT BC 4.0 FT

* NATIVE OBSERVED IN CORE 5.9 FT. DOWN. CORE LOCATION LOCATED CLOSE TO STORMWATER OUTFALL.

1414 PREP FOR GRAB

1420 DECON GRAB

Location LPR Date 10/15/13

Project / Client SSP2

13B-0538-G1

TOTAL DEPTH: 6.0FT

DISTANCE TO TARGET: 19.4' SOUTH

EASTING: 592287.88

NORTHING: 720176.29

1456 GRAB CLOSED

COLOR: BLACK

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NONE VISIBLE

DEBRIS: ~~YES~~

SHEEN OBS. YES

ACTUAL PENETRATION: 10"

TARGET PENETRATION 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: silt - clay

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9 ; ALL OTHER READINGS WERE ZERO (0)

Location LPR Date 10/15/13

Project / Client SSP2

1518 MOB BACK TO CPG DOCK

1555 ARRIVE AT DOCK.

1603 TRANSFER SAMPLES TO NATHAN PINSKER. SAMPLES TRANSFERRED INCLUDE:

13B-0538-C1
13B-0538-C2
13B-0538-C3
13B-0538-G1

1615 MOB BACK TO CPG FACILITY; GATHER SUPPLIES AND DECON FOR FOLLOWING DAY.

Location LPR Date 10/16/13

Project / Client SSP2

0600	MUSTER IN LOBBY
0620	ARRIVE AT CPG FACILITY
0650	ARRIVE AT CPG DOCK; LOAD SUPPLIES ONTO R/V Wilda
	ON BOARD:
	OSI · CAPTAIN · JEFF PYDESKI
	OSI · TECH · MORGAN BARRETT
	AECOM · TECH · STEVE HOWE
	AECOM · LEAD · DREW FOLEY
0730	DEPART CPG DOCK
	WEATHER: 62°F; CLOUDY
	FORECAST: CLEAR; 68°F
	TIDES: 0656 hrs HIGH
	1410 hrs LOW
	CURRENT TIDE: SLACK; FALLING.
0748	MOB TO STATION 13B-0553
0805	ARRIVE AT 13B-0553

Location LPR Date 10/16/13

Project / Client SSP2

13B-0553-C1

0840 BEGIN CORE

0841 END CORE

TOTAL DEPTH: 6.5FT

DISTANCE TO TARGET: 3.6 FT WEST

EASTING: 596870.45

NORTHING: 728437.54

TIDE: SLACK

PENETRATION: 3.3FT

REFUSAL: REFUSAL AT 3.3FT

% RECOVERY: 2.9FT (87.9%)

OXIDATION DEPTH: ~1FT.

SEGMENT AT 2.9FT

NATIVE APPEARS AT 1.5 FT BUT DISAPPEARS AGAIN AT 1.7FT

0903 PREP FOR CORE #2 HAYP 10/16/13

Location LPR Date 10/16/13

Project / Client SSP2

13B-0553-C2

0915 BEGIN CORE

0917 END CORE

TOTAL DEPTH: 5.7FT

DISTANCE TO TARGET: 5.2FT SW

EASTING: 596869.49

NORTHING: 728432.77

PENETRATION: 3.9FT

REFUSAL: 3.9FT

% RECOVERY: 3.4FT (87.2FT)

OXIDATION DEPTH: 0.6 ~ 1.0 FT

SEGMENT AB 3.4FT

0950 PREP FOR CORE 3

Location LPR Date 10/16/13

Project / Client SSP2

13B-0553-C3

1024 BEGIN CORE

1027 END CORE

TOTAL DEPTH: 4.3FT

DISTANCE TO TARGET: 5.4FT NORTH

EASTING: 596873.08

NORTHING: 728441.34

TIDE: EBBING

PENETRATION: 3.5FT

REFUSAL: 3.5FT

% RECOVERY: 2.5FT (71.4%)

OXIDATION DEPTH: 6"

SEGMENT AB 2.5FT

1040 PREP FOR GRAB; DECON GRAB

Location LPR Date 10/16/13

Project / Client SSP2

13B-0553-G1

TOTAL DEPTH : 3.6

DISTANCE TO TARGET: 9.6 FT

EASTING: 596874.23

NORTHING: 728445.57

1110 GRAB CLOSED

UNABLE TO OBTAIN A GRAB DUE TO: HEAVY DEBRIS; STICKS AND GARBAGE.

1111 RE-POSITION BOAT FOR GRAB 2

Location LPR Date 10/16/13

Project / Client SSP2

13B-0553-G2

TOTAL DEPTH: 4.6 FT

DISTANCE TO TARGET: 15.4 FT NE

EASTING:

NORTHING:

1113 GRAB CLOSED:

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: YES; HEAVY

SHEEN OBS.: YES

ACTUAL PENETRATION: 3"

TARGET PENETRATION: 6"

REDOX POTENTIAL DISCONTINUITY:

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID; O_2 = 20.3; ALL OTHERS = 0 (ZERO)

1135 PREP FOR MOB TO 13B-0537

Location LPR Date 10/16/13

Project / Client SSP2

1220	ARRIVE AT 13B-0537
1225	ANCHORS/SPUDS SET
1230	TRANSPORT BOAT ARRIVES; Samples Transf. TO N. PINSKER

13B-0537-C1

1236 BEGIN CORE: ~~592193.21~~ AJF

1238 END CORE: ~~720200.25~~ AJF

TOTAL DEPTH: 15.4 FT

DISTANCE TO TARGET: 3.2 FT NE

EASTING: 592173.21

NORTHING: 720200.25

PENETRATION: 6.1 FT

REFUSAL: 6.1 FT REFUSAL

% RECOVERY: * 8.2 FT (134.4%)

OXIDATION DEPTH: 1 FT.

* NATIVE SOIL/CLAY OBSERVED IN CORE.

SEGMENT AB 4.1 FT

SEGMENT BC 4.3 FT

SAMPLES TRANSFERRED TO NATHAN PINSKER:

13B-0553-C1 13B-0553-C3

13B-0553-C2 13B-0553-G1

Location LPR Date 10/16/13

Project / Client SSP2

13B-0537-C2

1339 BEGIN CORE

1340 END. CORE

TOTAL DEPTH: 14.5 FT

DISTANCE TO TARGET: 1.0 FT

EASTING: 592191.59

NORTHING: 720198.24

PENETRATION: 3.4 FT

REFUSAL: 3.4 FT REFUSAL

% RECOVERY: * 3.7 FT (108.8%)

OXIDATION DEPTH: < 1 FT

TIDE: EBBING; SLACK-LOW @ 1410

* HIT NATIVE 1 FT DOWN IN CORE.

SEGMENT AB 3.7 FT

1356 Prep For Core 3

Location LPR Date 10/16/13

Project / Client SSP2

1 13B-0537-C3

1 1426 BEGIN CORE

1 1427 END CORE

TOTAL DEPTH: 14.2 FT

DISTANCE TO TARGET: 4.3 FT SOUTH

EASTING: 592191.98

NORTHING: 720193.73

PENETRATION: 2.5 FT

REFUSAL: 2.5 FT, REFUSAL

% RECOVERY: * 2.3 FT (92.0%)

OXIDATION DEPTH: 2.1 FT

TIDE: LOW

SEGMENT: AB 2.3 FT.

* HIT NATIVE; NATIVE OBSERVED AT FT DOWN IN CORE

1440 PREP FOR GRABS.

Location LPR Date 10/16/13

Project / Client SSP2

13B-0537-G1

TOTAL DEPTH: 14.2 FT

DISTANCE TO TARGET: 7.3 FT SOUTH

EASTING: 592190.84

NORTHING: 720190.65

1505 GRAB CLOSED:

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: N/A

DEBRIS: YES

SHEEN: N/A

ACTUAL PENETRATION: 5"

TARGET PENETRATION 6"

TEXTURE: N/A

KEPT FOR SAMPLE: NO

UNABLE TO COLLECT SAMPLE DUE TO LARGE ROCKS HOLDING GRAB OPEN.

64

Location LPR Date 10/16/13

Project / Client SSP2

13B-0537-G2

TOTAL DEPTH: 14.3FT

DISTANCE TO TARGET: 11 FT SOUTH

EASTING: 592192.05

NORTHING: 720186.99

1508 GRAB CLOSED

COLOR: BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: NO

SHEEN: NO, BUT oil spots present in va

ACTUAL PENETRATION: 4"

TARGET PENETRATION: 6"

TEXTURE: Silt-Sand

KEPT FOR SAMPLE: YES

PID READINGS: O_2 = 20.9; all OTHER READINGS = ZERO (0)

1523 PREP FOR MOB BACK TO CPG DOCK.

65

Location LPR Date 10/16/13

Project / Client SSP2

1538 MOB TO CPG DOCK.

1611 RETURN/ARRIVE AT DOCK @ CPG.

1621 SAMPLES TRANSFERRED TO NATHAN PINSKER. SAMPLES TRANSFERRED INCLUDE:

13B-0537-C1
13B-0537-C2
13B-0537-G3
13B-0537-G2

1633 MOB BACK TO CPG FACILITY

66

Location LPR Date 10/17/13

Project / Client SSP2

0600 MUSTER IN HOTEL LOBBY
0630 ARRIVE AT CPG FACILITY.
0645 ARRIVE AT CPG DOCK; LOAD R/V WILDU.
0720 DEPART DOCK

ON BOARD:
OSI - CAPTAIN - JEFF PYDESKI
OSI - TECH - MORGAN BARRETT
ARCOM: STEVE HOWE - TECH
ARCOM: DREW FOLEY - LEAD

WEATHER: CLOUDY; 60°F; MISTY.
FORECAST - 73°F; PARTLY SUNNY.

TIDES: HIGH TIDE: 0744 hrs
LOW TIDE: 1500 hrs.
CURRENT TIDE: FLOODING.

0725 MOB TO STATION 13B-0575

0732 RETURN TO DOCK FOR COMPUTER ISSUES W/ OSI NAVIGATION.

67

Location LPR Date 10/17/13

Project / Client SSP2

0738 DEPART DOCK AGAIN FOR STATION 13B-0575

0807 ARRIVE ON STATION 13B-0575
0815 ANCHORS SET/SPUDS IN

13B-0575-C1
0830 BEGIN CORE
0831 END CORE
TIDE: EBBING.
TOTAL DEPTH: 5.1 FT
DISTANCE TO TARGET: 2.8 FT NORTH
EASTING: 594475.84
NORTHING: 723984.00

PENETRATION: 3.4 FT.
REFUSAL: 3.4 FT HARD REFUSAL.
% RECOVERY: 2.8 FT (82.4%)
OXIDATION DEPTH: 2.1 FT

SEGMENT AB: 2.8 FT

Location LPR Date 10/17/13

Project / Client SSP2

13B-0575-C2

0937 BEGIN CORE

0937 END CORE

TOTAL DEPTH: 4.5FT

DISTANCE TO TARGET: 6.0FT EAST

EASTING: 594473.80

NORTHING: 723976.88

PENETRATION: 4.9 FT.

REFUSAL: 4.9FT HARD REFUSAL

% RECOVERY: 2.4FT (49.0%)

OXIDATION DEPTH: 1-2FT

SEGMENT AB: 2.4FT

1001 PREP FOR CORE 3.

Location LPR Date 10/17/13

Project / Client SSP2

13B-0575-C3

1007 BEGIN CORE

1010 END CORE

TOTAL DEPTH: 3.1FT

DISTANCE TO TARGET: 15.5FT NW

EASTING: 594486.33

NORTHING: 723974.93

PENETRATION: 5.9FT

REFUSAL: 5.9FT REFUSAL

% RECOVERY: 3.6FT (61.0%)

OXIDATION DEPTH: 1-2FT

SEGMENT AB: 3.6FT

1027 PREP FOR CORE 4.

Location LPR Date 10/17/13

Project / Client SSP2

13B-0575-C4

1045 BEGIN CORE

1047 END CORE

TOTAL DEPTH: 3.4FT

DISTANCE TO TARGET: 21.4FT SE

EASTING: 594470.63

NORTHING: 723961.53

PENETRATION: 6.1FT

REFUSAL: 6.1FT HARD REFUSAL

% RECOVERY: 5.8FT (95.1%)

OXIDATION DEPTH: 3FT

SEGMENT AB: 2.6FT

SEGMENT BC: 3.1FT

1111 PREP FOR GRAB; DECON GRAB

Location LPR Date 10/17/13

Project / Client SSP2

13B-0575-G1

TOTAL DEPTH: 2.2FT

DISTANCE TO TARGET: 19.8FT

EASTING: 594453.92

NORTHING: 723987.11

TIDE: EBBING/FALLING

1135 GRAB CLOSED

COLOR: GRAY-BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NO

DEBRIS: SOME

SHEEN: NO

ACTUAL PENETRATION: 10"

TARGET PENETRATION: 6"

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID READINGS: O_2=20.9; VOC=0.1; CO=3.0

ALL OTHER READINGS = ZERO.

Location LPR Date 10/17/13

Project / Client SSP2

1225 MOB BACK TO CPG DOCK

1249 ARRIVE AT CPG DOCK

1252 TRANSFER SAMPLES TO
SAMPLES TRANSFERRED INCLUDE:

13B-0575-C1
13B-0575-C2
13B-0575-C3
13B-0575-C4
13B-0575-G1

1300 DECON POWER GRAB

1336 EQUIPMENT BLANK CONDUCTED:
13B-0575-C4XR
ON CORE LINER.

1417 COMPLETE 13B-0575-C4XR

1415 PREP FOR 13B-0575-GIAR

Location LPR Date 10/17/13

Project / Client SSP2

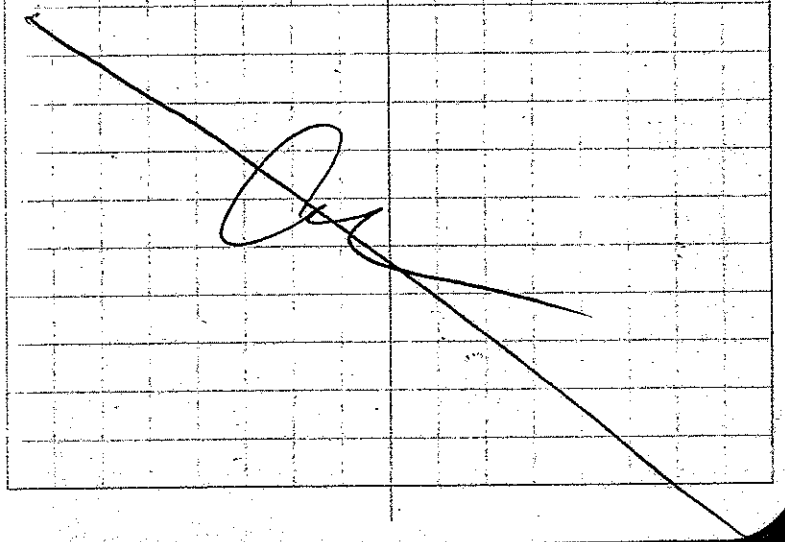
1420 TRANSFER 13B-0575-C4XR TO
NATHAN PINSKER.

1422 ~~COMPLETE~~ ADF 10/17/13 CONDUCT 13B-0375-GIAR
ON POWER GRAB

1445 COMPLETE 13B-0575-GIAR

1450 TRANSFER 13B-0575-GIAR
TO NATHAN PINSKER.

1452 RETURN TO CPG FACILITY;
PREP FOR NEXT DAY.



Location LPR Date 10/18/13

Project / Client SSP2

0600 MUSTER IN HOTEL LOBBY
0610 DEPART FOR CPG FACILITY
0620 DEPART FOR CPG DOCK

0645 DEPART CPG DOCK FOR 13B-0577

ON BOARD:
OSI. JEFF PYDESKI - CAPTAIN
OSI - Morgan Barrett - TECH
ARCOM - STEVE HOWE - TECH
AECOM - DREW FOLEY - LEAD

WEATHER: 60°F, CLEAR
Forecast: 65°F, clear

TIDES: HIGH : 0827
LOW : 1549
Current tide @ 0650 is Flood

0650 MOB TO STATION 13B-0577 IN 3RD RIVER.

Location LPR Date 10/18/13

Project / Client SSP2

0716 ON STATION 13B-0577

0733 SPUDS IN

13B-0577-C1

0751 BEGIN CORE
0752 END CORE

TOTAL DEPTH: 2.8FT
DISTANCE TO TARGET: 11.0FT-W
EASTING: 594317.53
NORTHING: 724228.61

PENETRATION: 5.8FT
REFUSAL: 5.8FT REFUSAL; SAND
% RECOVERY: 3.2FT (55.2%)
OXIDATION DEPTH: 3.2FT

SEGMENT AB 3.2FT

0807 PREP FOR CORE 2

Location LPR Date 10/18/13

Project / Client SSP2

13B-0577-C2

0832 BEGIN CORE

0833 END CORE

TOTAL DEPTH: 3.4 FT

DISTANCE TO TARGET: 10.4 FT SW

EASTING: 594311.66

NORTHING: 742226.56

PENETRATION: 4.7FT

REFUSAL: 4.7 FT REFUSAL; SAND/GRAVEL

% RECOVERY: 2.8FT (59.6%)

OXIDATION DEPTH 2.8FT

SEGMENT AB 2.8FT

0851 PREP FOR CORE 3

Location LPR Date 10/18/13

Project / Client SSP2

13B-0577-C3

0857 BEGIN CORE

0858 END CORE

TOTAL DEPTH: 2.8FT

DISTANCE TO TARGET: 17.2FT WSW

EASTING: 594320.63

NORTHING: 724234.46

PENETRATION: 7.1 FT

REFUSAL: 7.1FT REFUSAL

% RECOVERY: 3.5FT (49.3%) JJF 10/15/13

OXIDATION DEPTH: 3.5 FT

SEGMENT AB 3.5FT

0910 PREP FOR CORE 4

Location LPR Date 10/18/13

Project / Client SSP2

13B-0577-C4

0915 BEGIN CORE

0916 END CORE

TOTAL DEPTH: 2.9 FT

DISTANCE TO TARGET: 22.9 FT NSW

EASTING: 594329.37

NORTHING: 724236.89

PENETRATION: 4.5 FT

REFUSAL: 4.5 FT REFUSAL

% RECOVERY: 2.0 FT (44.4%)

OXIDATION DEPTH: 2.0 FT

SEGMENT AB: 2.0 FT

0929 PREP FOR GRAB

Location LPR Date 10/18/13

Project / Client SSP2

13B-0577-G1

TOTAL DEPTH: 2.8

DISTANCE TO TARGET: 25 FT NW

EASTING: 594330.94

NORTHING: 724238.34

0934 GRAB CLOSED

COLOR: BROWN - REDDISH BROWN

GRAB METHOD: POWER GRAB

BIOLOGICAL MATERIAL: NONE

DEBRIS: YES; STICKS, LEAVES

SHEEN: NO

ACTUAL PENETRATION: 6"

TARGET PENETRATION: 6"

TEXTURE: SILT-SAND

KEPT FOR SAMPLE: YES

PID: O_2 = 20.9; all other readings were zero (0).

7" 80

Location LPF Date 10/18/13

Project / Client SSP2

1004 Prep for MOB back to CPG

1040 MOB back to CPG dock

1115 Arrive at CPG dock.

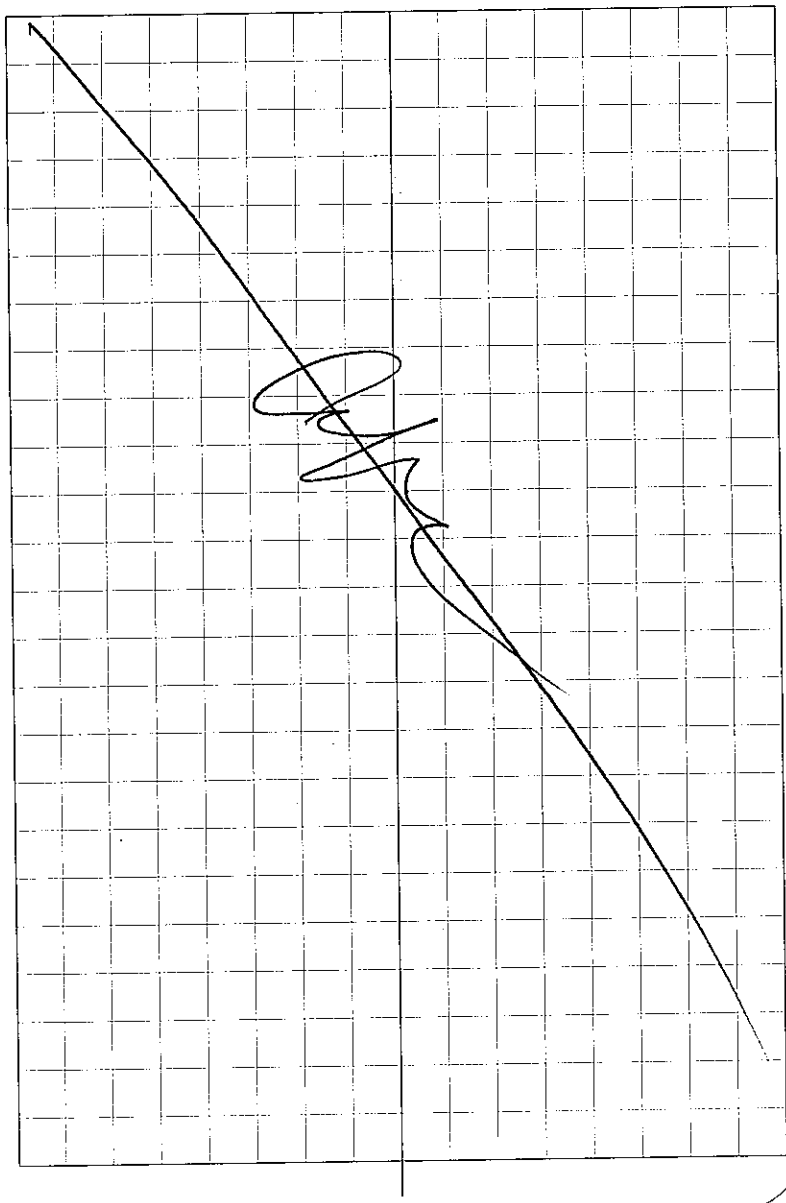
1209 Transfer samples to N. Pinsker.
Samples transferred:

13B-0577-C1
13B-0577-C2
13B-0577-C3
13B-0577-C4
13B-0577-G1

1220 MOB back to CPG Facility

Location LPR Date 10/18/13

Project / Client SSP2



FIELD LOGBOOK ID #
60145884-2013-SSP2-
CPG FACILITY-01

Rite in the Rain®
ALL-WEATHER
ENVIRONMENTAL FIELD BOOK
№ 550

LOWER PASSAIC RIVER

DATES COVERED:

—

60145884-2013-SSP2-CPG FACILITY -01

Rite in the Rain
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

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Project LOWER PASSAIC RIVER
60145884 -
LOGBOOK START DATE:
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AUTHOR INFORMATION

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2.	Paula S Winchell SIGNATURE	PSW INITIALS
2.	RICHARD PURDY PRINTED NAME	
	[signature] SIGNATURE	[initials] INITIALS

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Location LPR-5 SP2 Date 9/23/13

Project / Client DTI / SSP2

0800 All staff arrive on-site to facility in order to have an on-site safety meeting and all staff meeting to go over general information. Then all staff split up by groups in order to prepare their areas for work.

Facility prep included setting up IDW area, decanning all unwrapped SS & sampling ware, getting the label program edited for SSP2 specifics, figuring out the jar sets and prepping jars for cores & grabs. Trying to make sure there is inventory and that we haven't forgotten anything.

1956 Truck arrives with the one good core collected today 13B-0547-C2 AB, BC

2020 off-site

PSW

Location LPR Date 9/24/13

Project / Client DMI / SSP2

0745 PWinchell arrives on-site
R. Wang already on-site & J. Mennie in before 8:00

The 2 segments of 13B-0547-C2 will be processed today. Need EPA splits as well. The ices were held overnight in the padlocked walk-in inside the locked CPG facility. T Watson asks for 6 sets of sample jars to begin the processing, may need more later.

1115 PWinchell accepts custody from N Pinsky of 13B-0547-C3 AB & BC and 13B-0547-G1 2-1 gal buckets & 1 202 jar

1316 PWinchell accepts custody from N Pinsker of 13B-0563-C1 AB+BC, C2 AB+BC & G1

1613 PWinchell accepts custody from

Location LPR Date 9/24/13

Project / Client DMI / SSP2

N Pinsker of 13B 0564-C-2 Samples & 2 buckets

No samples ready for shipping @ 1700 - COC's can't be done w/out EDD - still processing in test.

1745 PWinchell accepts custody from D Lewis of 13B-0551-C1, C2 + C3 all AB and 0551 G2 & G3

1935 4 coolers picked up by UPS
Analytical Perspectives
Brooks Rand
CAS Kelso
Test America Burlington
and the only samples in those coolers came from Sta 13B-0547- and did not include any grab samples.

All remaining processed samples

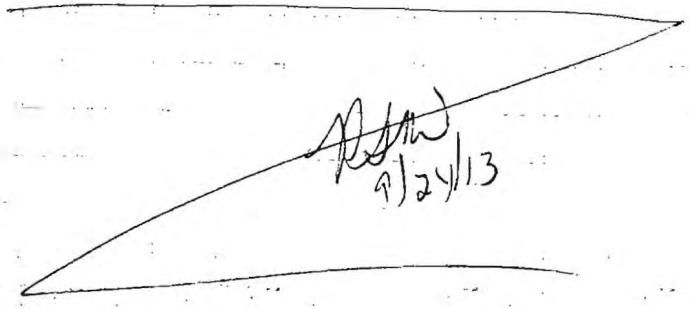
Location LPR Date 9/24/13

Project / Client SSP2 / DRI

and the cores and grab from Stg 13B-0563 are left in the locked in walk-ins inside the soon to be locked facility.

Dixcussions with D Simmons and H Jones decided the samples are safer here than to try to ship more and drive them to UPS in Secaucus. UPS could not guarantee that all coolers brought to the facility when they are open from 8:30-9:30 pm would be delivered the next day.

2100 PWinchell off site



9/24/13

PW

Location LPR Date 9/25/13

Project / Client SSP2 / CPG

0705 PWinchell arrives on-site. send email to M Kozie-O'Connell re: 4 coolers shipped, some labs not getting samples, CAS Kelso CoC needs revision Revise CoC for Kelso Put all CoC's on Sharepoint

1300 Finished getting all of yesterday's samples onto CoC's All that have been processed today have also been taped & double bagged.

1500 PWinchell accepts custody from N Pinsterwat 13B-0510 C1+C3 segments AB & BC No grab was obtained at this location

Per D. Simmons - rapid turn only dioxin/furan & PCB's

0504	0514	0547
0510	0533	0550
0512	0546	0551
	0563 & 0564	

Location LPR Date 9/25/13

Project / Client SSP2 / CPG

1700 UPS arrives and picks up 11 coolers

1700 PWinchell accepts custody from N Pinsker of grabs only from 0512 and 0514

13B-0514-G1AS 1503

13B-0512-G1AS 1217

PSW 9/25

~~1533~~ PWinchell accepts custody from

1733 N Pinsker of 13B 0530 C1 + C3 AB & BC and C4 AB only plus 0530-G2

Processors fill intervals A + partial B for 13B-0510 - very few jars. All other sample jars were packed & coolers shipped earlier. Can't ship in time for UPS so these samples will remain locked in the walk-in overnight. Sta 0530 cores in other locked walk-in

2000 PWinchell off-site

Location LPR Date 9/26/13

Project / Client SSP2 ~~/DMT~~ PSW CPG

0735 PWinchell on-site prep jars for 13B-0530, bag + tape grabs & 0530 jars as processed

Ordered 30 bags of ice from Carlstadt Ice - should be here by 3:00 today

R Wang and J Meunier assisting w/ facility tasks

1242 PWinchell accepts custody from N Pinsker of 13B-0533 G1 (C2 buckets & sample) and Cores 1, 2 & 3 segments AB, BC + CD.

13B-0530-C4CR

1520 PWinchell accepts custody from N Pinsker of 13B-0504 Cores 2+4 seg AB, BC + CD and Grab 1

PSW

Location LPR Date 9/26/13

Project / Client SSP2/ CPG

1625 PWinchell accepts custody from N Pinsker of 13B-0550-C1 AB+BC, C2 AB & C3 AB+BC and 0550 G1 2 buckets + sample

1650 UPS arrives and picks up 7 coolers

1800 PWinchell accepts custody from N. Pinsker of 13B-0505-C1+C2 seg AB+BC & G2

1812 PWinchell accepts custody from D Foley of 13B-0550-G1AR & 13B-0550-C3XR rinse blanks.

1906 7 coolers ready for UPS pick-up - includes all equipment blanks + sed from 0533

1923 UPS picks up 7 coolers
1100 PWinchell Offsite PSW

Location LPR Date 9/27/13

Project / Client SSP2/ CPG

0720 PWinchell and RWang on-site
0730 CHawkins on-site

jar sets, ice bagging & prep for day.

forward EDD's to T. Watson & H. Jones from yesterday afternoon for QC

1100 PWinchell accepts custody from N Pinsker of 13B-0505-G2XR

1129 PWinchell accepts custody from N Pinsker of 13B-0505-G2AR

1450 PWinchell accepts custody from N Pinsker of 13B-0563-G1, 13B-0508-G2 and 13B-0516-G3 buckets + samples

1530 PWinchell accepts custody
PSW

Location LPR Date 9/27/13

Project / Client SSP2 / CPG

1549 from N Pinsker of 13B-0560 G1, 13B-0562 G1 & samples and C1-AB & BC, C2 AB, BC +CD & C3 AB + BC

1630 11 coolers ready for UPS pick-up - all equipment & logs and 0533. Working on COCs for 0504

1647 UPS arrives & picks up coolers

1816 7 coolers ready for UPS pick-ups will work on the remaining samples for 0550

1940 9 coolers total are ready for UPS which includes all samples processed today, but NOT the grab samples collected today.

1924 UPS picks up

1940 PWinchell offsite

Location LPR Date 9/30/13

Project / Client SSP2 / CPG

0730 PWinchell arrives on-site - RWang in soon after

prep bottles for 0560 and 0562

1050 Prepare PE samples for shipping

13B-0930-P1 9/30/13 @ 1050

2 vials phenova Soil/HW Pesticides lot # 7051-14

2 vials phenova Soil/HW PAHs-HPLC lot # 7051-22

2 vials phenova Soil HW/Congeners lot # 7052-80

1 vial RTC/Fluka dioxins & furans in soil Lot # 019400

1216 PWinchell accepts custody from N Pinsker of 13B-0503-G1 sample & 2 buckets 13B-0533-C1, C2 + C3 AB

1305 RWang accepts custody

Location LPR Date 9/30/13

Project / Client SSP2/CPG

1305 from N Pinsker of 13B-0561 C1+C2 segments AB+BC and 13B-056d-G3 buckets & sample

1521 PW inchell accepts custody from N. Pinsker of 13B-0559-C2, C3+C4 AB+BC and G1 2 buckets & sample 13B-0502-C1 AB+BC, C2+C3 AB only +G1 2 buckets + AS + AT samples

1805 13 coolers ready for UPS shipping - includes all grain-size samples held over the weekend plus all samples processed today.

1805 LM for Carlstedt Ice to deliver 40 bags on Tuesday & to confirm order to PW inchell cell #.

1942 UPS arrives to pick up 13 coolers 2000 PW inchell off-site

Location LPR Date 10/1/13

Project / Client SSP2/CPG

0740 PW inchell on-site, R. Wang & J Meunier due in soon.

40 bags of ice arrives

prep 0502 samples for shipping w/ bags + COCs

prep 0559 samples for shipping as processed

1315 PW inchell accepts custody from N Pinsker of 13B-0507 C1, C2, C3 AB and G1 2 buckets & sample AND 13B-0572-C1 AB, BC and C3 AB only. No grab was able to be obtained from this station.

1505 PW inchell accepts custody from N Pinsker of 13B-0501 C1, C2 & C3 AB & G2 2 buckets & sample

Location LPR Date 10/1/13

Project / Client SSP2/CPG

and 13B-0573-C1, C2 & C4 AB and G3 2 buckets & sample w/duplicate AVS/SEM

0154S 4 coolers ready for UPS pick-up.

5 PJW 10/1/13

1619 UPS picks up 4 coolers

1742 9 coolers ready for UPS shipping. The processing crew has to process a whole core in order to finish the remaining few unfilled jars for 13B-0561, so they stopped for the day. All processed samples for 0561, as well as grab samples collected today will remain in the walk-in and will be locked, as well as locking the facility.

1935 UPS arrives and picks up 9 coolers

1945 PWinchell off-site

PJW

Location LPR Date 10/2/13

Project / Client SSP2/CPG

0730 PWinchell arrives on-site, R. Wang + J Mennier in soon

0956 Prepare PE sample 13B-1002-P1

2 vials phenova Soil/HW PAHs HPLC Lot#7051-22

2 vials phenova Soil/HW Pesticides lot#7051-14

2 vials phenova Soil/HW Congeners lot#7052-82

1 vial RTC Fluka Dioxins and Furans in Soil lot#019400

1240 PWinchell accepts custody from N. Pinsker of 13B-0574-C1, C2, C3 & C4 sec. AB+BC and 13B-0574-G2 & G3 (PRIMARY) 1 buckets and 1 sample each. (Only send 1 sample - whichever the processing crew uses for their sample. Also 13B-0513-G1 now a grab

PJW

Location LPR Date 10/2/13

Project / Client SSP2/CPG

only station. No good cores obtained @ this station

1519 PWinchell accepts custody from NPinsker of 13B-0506-C1,2+3 AB and G1 2 buckets +1 sample

1000 7 coolers ready for pick up

1617 PWinchell accepts custody from NPinsker of 13B-0552-C1&2 AB+BC and G1 2 buckets +sample

1625 UPS picks up 7 coolers

1845 7 coolers ready for pick-up - includes all samples processed today. Only the AVS/SEM samples from grabs collected today remain in the walk-in. Both walk-ins will be locked, and will be in the locked facility.

RJW

Location LPR Date 10/2/13

Project / Client SSP2/CPG

1922 UPS arrives and picks up 7 coolers.

1945 PWinchell off-site

10/2/13

RJW

Location LPR Date 10/3/13

Project / Client SSP2 / CPG

0735 PW, inchell on-site
H2S, freezer, walk-in
monitoring etc

0810 Prepare PE sample 13B-1003-P1
2 vials phenova Soil HW/Pesticid
Lot# 7051-14
2 vials phenova Soil/HW PAHs-
HPLC Lot# 7051-22
2 vials phenova Soil/HW Congeners
Lot# 7052-80
1 vial RTC Fluka Dioxins
and Furans in Soil Lot
#19400

1241 PW inchell accepts custody
from N. Pinsker of 13B-0520-
G1 - Cores 1, 2 & 3 were
all IDW

1445 PW inchell accepts custody from
N Pinsker of 13B-0571-C1AB+
BC, C2AB+G2 and DW 10/3
13B-0558- C2+3, AB+BC ~~+G2~~ G1
DW

Location LPR Date 10/3/13

Project / Client SSP2/CPG

1540 6 coolers packed + ready to be
picked up by UPS - all samples
from 0574 and the eq. blank taken
(except Brooks Land)
1627 UPS arrives and picks up
6 coolers

1720 PW inchell accepts custody
from N Pinsker of 13B-0555-
C1+C2 AB+G1 2 buckets
+1 sample
and 13B-0508-G2+G3 each
w/ 1 bucket and the sample
from G3
All cores from 0508 no good -
0508 will be a grab only
Station
Cores from 0523 did not hit
refusal, Candi has to go back
w/ 20ft barrel

1840 7 coolers ready for UPS
1930 UPS arrives + picks up coolers
1945 PW inchell off site
DW

Location LPR Date 10/4/13

Project / Client SSP2/CPG

0730 PWinchell on-site, RWang in earlier to work & download hobo data - JMenniver was sent a shopping list via text for pick-up this morning on way into work.

1117 Prepare PE sample 13B-1004-P1
2 vials Phenova Soil/HW Congeners lot# 7052-80
2 vials Phenova Soil/HW Pesticides lot# 7051-14
2 vials Phenova Soil/HW PAHs+PRC lot# 7051-22
1 vial RTC Fluka Dioxins/and Furans in Soil lot# 19400

1300 PWinchell accepts custody from N Pinsker of grab only samples 13B-0567-G2 & 13B-0522-G1 and 13B-0571 C3+C4 AB, BL+CD and 13B-0570-G3 grab only stg - 1 bucket + 1 sample

PWW

Location LPR Date 10/4/13

Project / Client SSP2/CPG

1405 PWinchell accepts custody from N Pinsker of 13B-0529-C1+C4 AB, C2+C3 AB+BC and G-1 2 buckets & sample

1745 12 coolers ready for UPS pick-up. Includes all samples processed today except for 3 grab AVS/SEM samples collected today and all of the samples for GeoTesting Express. They don't want Saturday delivery; these samples will ship Monday. Both walk-ins are padlocked, and the facility will be locked.

1925 UPS arrives

1940 PWinchell off site

10/4/13

PWW

Location LPR Date 10/7/13

Project / Client SSP2/CPG

0745 PWinchell, RWang on site, JMeunier in soon

1015 Prepare PE Sample 13B-1007-P1
2 vials phenova Soil/HW PAHs-HPLC lot# 7051-22
2 vials phenova Soil/HW Pest lot# 7051-14
2 vials phenova Soil/HW Concencrs. lot# 7052-80
1 vial RTC Fluka Dioxins and Furans in Soil lot# 19400

1140 PWinchell accepts custody from N Pinsker of
13B-0534-C1, C2+C3 AB+BC and G1 2 buckets + 1 sample
AND 13B-0556-C1, C2+C3 AB+BC and G1 2 buckets + 1 semple

1603 8 coolers PLW 10/7 ready for UPS pick-up includes all samples for Geo Testing Express held over the weekend, plw
All samples for 0571 & 0570

Location LPR Date 10/7/13

Project / Client SSP2/CPG

1650 UPS arrives and picks up 8 coolers

1745 PWinchell off-site

PLW 10/7/13

PLW

Location LPR Date 10/8/13

Project / Client SSP2/CPG

0730 PWinchell onsite, R. Wang + J Mennies

1119 Prepare PE sample 13B-1008-P1
1 vial RTC Fluka Dioxins + Furans in Soil lot # 19400
2 vials phenova Soil/HW PAH's-HPLC lot# 7051-22
2 vials phenova Soil/HW Pesticides lot# 7051-14
2 vials phenova Soil/HW Congeners lot# 7052-80

1218 PWinchell accepts custody from N. Pinsker of 13B-0511-C1+C3 AB, BC + G1 2 buckets + sample & dup
AND 0526-C1+C2 AB, BC (Core 3 AB+BC are TDW) and G1 2 buckets + 2 jars (MS/MSD)

1502 PWinchell accepts custody from N Pinsker of 13B-0527-C1, C2, C3 + C4 AB + G1 2 buckets + 1 sample
PW

Location LPR Date 10/8/13

Project / Client SSP2/CPG

1550 3 coolers ready for UPS pick-up - CASK, TANK & APER were full

1602 PWinchell accepts custody from N Pinsker of 0515 C1+C2 + G1 2 buckets + sample

1652 UPS picks up 3 coolers

1658 PWinchell accepts custody from N Pinsker of 13B-0532 C1+C2 AB+BC + G1 2 buckets + 1 jar

1730 7 coolers ready for UPS shipping - includes all stations processed today except 0511

1923 UPS arrives and picks up 7 coolers + envelope w/ expense reports
Samples from 0511 & grabs today locked in walk-ins
PW

1945 Off site

Location LPR Date 10/9/13

Project / Client SSP2/ CPG

0730 PWinchell, R Wang, J Hennies facility crews

Equipment blank by processing crew done prior to core processing
Prepare CoCs for OS II - includes equip blank

0950 3 coolers ready for UPS - AFER, TAMK & CASK

1010 Prepare PE sample 13B-1009-P1
2 vials Phenova Soil/HW Congeners lot # 7052-80
2 vials Phenova Soil/HW Pesticides lot # 7051-14
2 vials Phenova Soil/HW PAHs-HPLC lot # 7051-22
1 vial RTC Fluka Dioxins & furans in Soil lot # 19400

1205 PWinchell accepts custody from N. Pinsker of 13B-0521 C1, C2+C3 AB+BC and G1 2 buckets 1 sample

DBW

Location LPR Date 10/9/13

Project / Client SSP2/ CPG

1500 PWinchell accepts custody from N Pinsker of 13B-0524-C1 ABBC and G1 2 buckets + 1 sample
AND 13B-0528 C3 AB, BC, CD + C4 AB, BC, CD, DE + G2 2 buckets and 1 sample

1545 7 more coolers ready for UPS shipping (10 total) includes samples through 0515

1634 PWinchell accepts custody from N Pinsker of 13B-0525 C1+C2 AB, BC + G1

1642 UPS arrives + picks up 10 coolers

1809 PWinchell accepts custody from N Pinsker of 13B-0516 G2 AS 2 buckets + 1 sample

1830 4 coolers ready for pick-up by UPS

DBW

Location LPR Date 10/9/13

Project / Client SSP2 / CPG

1922 UPS arrives and picks up 4 coolers.

Samples remaining in the walk-in include all grab samples collected today as well as samples processed from 13B-0526 for Brooks Rand, TestAmerica Sacramento, and TestAmerica Burlington. Walk-ins locked for the night. Facility locked.

1945 PWinchell off-site.

10/9/13

Location LPR Date 10/10/13

Project / Client SSP2 / LPG

0740 PWinchell on-site

0756 PWinchell accepts custody from D Foley of 13B-0525-C2XR

0848 PWinchell accepts custody from N Pinsler of 13B-0525-G1AR

1208 Prepare PE sample 13B-1010-P1
2 vials Phenova Soil/HCW Congeners lot# 7052-80
2 vials Phenova Soil/HCW PAHs-HPLC lot# 7051-22
2 vials Phenova Soil/HCW Pesticides lot# 7051-14
1 vial ERC Fluka Dioxins and Furans in Soil lot# 19400

1432 PWinchell accepts custody from N Pinsler of 0516 C2 AB, BC, CD, +DE and Core 3 AB, BC, +CD (Grab obtained 10/9/13) AND 0536 C1 AB, BC C3 AB (C2 +DW) and G1 2 buckets + sample

Location LPR Date 10/10/13

Project / Client SSP2/CPG

1520 10 coolers ready for UPS pick-up

1630 A total of 17 coolers ready for UPS pick-up

1650 PWinchell accepts custody from NPinsker of 0535 C1, 2+3 CAB and ABBC from C3) and G1 2 buckets, 1 sample

1658 UPS arrives and picks up 17 coolers

1751 PWinchell accepts custody from NPinsker of 13B-0518-G1 2 buckets + 1 sample

1832 4m @ Carlstadt Ice for a delivery of 30 bags on Friday

All samples from station 0528 will remain in the locked walk-in overnight. All have been prepped - taped,

Location LPR Date 10/10/13

Project / Client SSP2/CPG

bubble bagged + bagged and CoC's will be made on 10/11. Also, all grab samples collected today (AVS/SEM) will be locked in the walk-in. All cores for processing are in the other locked walk-in.

1940 UPS arrives - is told more shipping out tonight but to be here tomorrow.

2000 PWinchell off-site

PW 10/10/13

PW

Location LPR Date 10/11/13

Project / Client SSP2/CPG

0730 PWinchell onsite, RWang + C.Hawkins in facility

1426 PWinchell accepts custody from N Pinsker of 0541 C1 AB, BC + C2 AB + G1 2 buckets + 1 sample

1525 12 coolers ready for UPS pickup includes samples from 0528 field overnight, equipment blanks from Candu, 0518 and 0516.

1546 PWinchell accepts custody from N Pinsker of 0543 - G1 All cores were IDW

1622 PWinchell accepts custody from N. Pinsker of 0542 C2 + C3 AB + BC + G1 2 buckets + 1 sample

1651 UPS arrives and picks up 13 coolers

Location LPR Date 10/11/13

Project / Client SSP2/CPG

1845 11 coolers ready for UPS pickup - included are all the last of the samples processed today. All samples will be shipped for Saturday delivery except the samples for GeoTesting Express. They do not want Saturday delivery, so those samples will be shipped out on Monday. GeoTesting Express samples + 3 AUS/SEM samples remain in the walk-in. Both walk-ins are now locked

1922 UPS arrives and picks up 11 coolers.

2000 PWinchell off site

PWW

PWW

Location LPR Date 10/14/13

Project / Client SSP2 / CPG

0735 PWinchell, R Wang on site
J Mennier in soon.

One of the CAS Kelso coolers shipped out @ 1651 did not leave the UPS facility in Secaucus until 10.12. Send email to Frank Espnosa 10/14 @ UPS to find out why.

1029 Frank replied that we will not be charged for the cooler; that we should put 2 labels on each cooler - 1 on handle + 1 on front side covered w/ clear tape; he apologized for the delay in delivery and thanked us for our business.

1209 Prepare performance evaluation sample 13B-1014-P1
2 vials phenova Soil / HW Congeners
lot # 7052-80
2 vials phenova Soil / HW Pesticides
lot # 7051-14

Location LPR Date 10/14/13

Project / Client SSP2 / CPG

PE sample cont.
2 vials Soil / HW PAHs lot # 7051-22
1 vial RTC Eurofins Dioxins and Furans in Soil lot # 019400

1305 PWinchell accepts custody from N Pinsker of 0531 - C1 AB, C2 AB, BC + C3 AB, BC + CD and G1 - 2 buckets, 1 sample

1610 PWinchell accepts custody from N Pinsker of 0554 C1-AB, BC, + CD and C4 AB, BC and G2 2 buckets + 1 sample.

1640 PWinchell accepts custody from N. Pinsker of 0509 C1 AB + C2 AB + BC and no good grab at this station.

1650 UPS arrives + picks up 7 coolers

1705 7 coolers ready for UPS pick-up

Location LPR Date 10/14/13

Project / Client SSP2/CPG

Nathan Pinsker and Joel Meunier take the 7 prepared coolers to a UPS store @ Orient St in Rutherford. N. Pinsker calls @ 1804 to say the coolers are transfered to them with assurances that they will definitely be out tonight and good for delivery tomorrow AM.

1820 Walk-ins locked, doors locked, ready to leave

10/14/13

Location LPR Date 10/15/13

Project / Client SSP2/CPG

0735 PWinchell, R Wang in. J Meunier due in soon. R. Purdy taking over for R. Wang mid-day.

1005 Prepare PE sample 13B-1015-P1
2 vials phenols Soil/HW Congeners
lot # 7052-80
2 vials phenols Soil/HW PAH's-HPLC
lot # 7051-22
2 vials Soil HW/Pesticides
lot # 7051-14
1 vial Fluko RTC Dioxins and Furans
in Soil lot # 019400

1107 PWinchell accepts custody from N Pinsker of 0576-G-5 1 bucket and 1 sample - no good grabs from this station

1546 PWinchell accepts custody from N Pinsker of 0540-C3+C4 AB, BC, CD + DE + G-2 2 buckets + 1 sample

Location LPR Date 10/15/13

Project / Client SSP2/CPG

~~1550~~ 1615 PWinchell accepts custody from NPinsker of 0538 C1 AB, BC+CD, C2+C-EDW- C2+C3 AB+BC +G1 2 buckets +1 sample

1649 UPS arrives and picks up 3 coolers

1758 7 coolers ready for UPS pick-up.

1823 NPinsker & JMeunier take the 7 coolers to the UPS store in Rutherford

Post COCs to sharepoint - forward EDDs, prepare Equip. blank bottles for tent + jars for grabs

1910 PWinchell off-sit

10/15/13

Location LPR Date 10/16/13

Project / Client SSP2/CPG

0730 PWinchell in - JMeunier and R Purdy due in soon

1210 Prepare PE sample
13B-1016-P1
2 vials phenova Soil/HW Congeners lot 7052-80
2 vials phenova Soil/HW Pesticides lot# 7051-14
2 vials phenova Soil/HW PAHs-HPLC lot 7051-22
1 vial fluka RTC dioxins and furans in soil lot# 019400

1319 PWinchell accepts custody from NPinsker of 0539 C2+C3, AB+BC and G2 2 buckets - 2 samples (AUS-MS/MSD)
AND 0553 C1+C2 AB and G2 2 buckets +2 samples (AUS dup)

1605 PWinchell accepts custody from NPinsker of 0544 C1, C2 AB + G1 2 buckets +1 sample

Location LPR Date 10/16/13

Project / Client SSP2/CPG

1630 PWinchell accepts custody from NPinsker of 0537 C1 AB+BC, C2+C3 AB + G2

7 coolers ready for UPS pick-up

1700 7 coolers picked up by UPS

1846 8 coolers ready for UPS pick-up

1927 UPS arrives and picks up 8 coolers

PWinchell off-site 1945.

PJW 10/16/13

PJW

Location LPR Date 10/17/13

Project / Client SSP2/CPG

0750 PWinchell on-site

FedEx delivers 2 bottles of nitric acid - this should be all that were ordered

1041 Prepare PE sample
13B-1017-P1
2 vials phenova Soil/HW PAHs HPLC lot# 7051-22
2 vials phenova Soil/HW Pesticides lot# 7051-14
2 vials phenova Soil HW Congeners lot# 7052-80
1 vial Fluka RTC Dioxins and Furans in Soil lot# 019400
These are the last of the PE samples on hand.

1305 PWinchell accepts custody from NPinsker of 0549 C2, C3 AB + G1 2 buckets & 1 sample AND 0575 C1 AB + C4 AB+BC + G1 2 buckets +

PJW

Location LPR Date 10/17/13

Project / Client SSP2/CPG

1305 cont. 1 sample. C2 and C3 were IDW

1423 ~~1413~~ PWinchell accepts custody of 13B-0575-C4XR from N. Pinsker

10/17/13

1500 PWinchell accepts custody from N. Pinsker of 13B-0575-G1AR

1550 3 coolers ready for UPS pick-up ALS, TAMK + APER

1629 PWinchell accepts custody from N Pinsker of 0552 C1, C2 + C3 AB and G2 2 buckets + 1 sample

1701 UPS picks up 3 coolers

1745 8 coolers ready for UPS pick-up but N Pinsker and J Meunier will drop off at the Rutherford UPS store.

1755 N Pinsker & J Meunier leave for

Location LPR Date 10/17/13

Project / Client SSP2/CPG

UPS store

Upload COCs to Sharepoint + send EDDs for QC. Prepare grab jars for tomorrow. Try to deal w/ COCs from 0554 missing "MS/MSD" for the G2AS interval but found the EDD is incomplete. Sent Amy Suborski an email for guidance on what to do to correct problem.

1836 Pack up and leave

10/17/13

Location LPP Date 10/18/13

Project / Client SSP2/CPG

0740 PWinchell on-site, R Purdy and J Mennier in facility

↳ PREPARING & PACKAGING SAMPLES FROM 0552

1230 RECEIVED CORES FROM D PARKER

0548-C1	0577-C1	IDW Low %R
C2	C2	
C3	C3	
C4	C4	
G1A5	G1	

1430 RECEIVED FROM PARKER:

13B-0548-C3XR @ 1330

13B-0548-G1AR @ 1245

(include an EDD w/ 575

1600 FINISHED PACKING.

1630 all coolers packed (9)

1650 UPS takes coolers

1700 Purdy off-site

Location SSP2 Date 10.21.13

Project / Client Purdy

0800 arrive on site ~60=
Paul, Ellen, Dallon, Jen

0815 HS meeting S/T/F
lifting, etc.
Helen asked for a EB this morning - associated w/ 0548

0900 print labels

0930 Joel on-site -

↳ processing 0548

1345 finished w/ 0548 & packaging

1445 received 0517 - G2A5 from Nathan

1630 packaging 0549

1642 need 0519 from Dion

1745 shipped last cooler; Panther to drop off

1830 off-site

Location SSPZ Date 10.22.13

Project / Client Purdy

0815	Purdy on-site Jen Ellen Pearl Nate Joel
0900	one grab sample to process 0517 - done - waiting on 0519 pending coring success
	inventory, bottle count, etc.
1317	received core for 0519. need approval to process.
1425	received go-ahead to process 0519 (17')
1525	rec'd 0519 - C5 from Nate
1730	prepped bottles for 0519 - C5XR G1AR
1915	end of day no shipping

Location SSPZ Date 10.23.13

Project / Client Purdy

0800	on site Rei Nate Pearl Rick
	↳ setting up Rei's laptop
	↳ processing rest of 0519. A → R + Grab
1045	received EQ Blanks R 10.23.13 0519 - C5AR C5XR 0519 - G1AR
	C5XR 10/23 9:10 G1AR 10/23 08:35
1200	R. Purdy off-site
1657	UPS picked up coolers.
1801	Received 13B-0523-G2AS from N. Pinsker
1808	R. Neely off-site

Location LPR Date 10/24/13

Project / Client SSP2 - Facility

Field Personnel: Rebecca Wang - Lead
Joel Muenier - Shipping

0900 Field Personnel arrive @ CPL Facility.

0917 H+S Tailgate meeting.

1015 R. Wang leaves to Staples to scan field forms for 10/22/13 & 10/23/13.

1053 R. Wang arrive back @ Facility. Begin processing & shipping 13B-0523-G2AS

1220 Transporter arrives w/ High Res. Cores for station
13B-0578H-C1 HAP 10/24/13
" - " - C2

1400 Received samples from N. Pinsker for Station:
13B-0578-C5 - AB
" " HAP 10/24/13 BC
13B-0578-C6 - AB
" " HAP 10/24/13 - BC

Location LPR Date 10/24/13

Project / Client SSP2 - Facility

13B-0578-C7 - AB
HAP 10/24/13 - BC
13B-578H-G2AS HAP 10/24/13

1800 Processing crew completed 05780-C1 + C2. Samples placed into walk-through. Will wait on shipping as instructed by D. Simmons.

1821 N. Pinsker delivers 2 coolers to UPS Store. Contains samples:
TAMB - 0519
FA @ 10/24/13
CASK - 0519
TAMB - 0523-G1AS
CASK - 0523-G1AS
Remaining 0523-G1AS samples stored in walk-in for shipment on 10/25/13.

1845 R. Wang end of day.

Location LPR Date 10/28/13

Project / Client SSPZ- Facility

Personnel: R. Wang - Shipping Lead
J. Munier - Shipping

Weather: Partly Cloudy - Sunny
~ 48°-50°F

Objective: Process/ship
- Remaining samples from 0523 - GIAS
- 0578 High Res & Low Res
- 0547 - High Res.

0715 R. Wang onsite @ CPG Facility
0730 J. Munier onsite
waiting on confirmation on High/Low Res. naming convention, High Res Procedures.
0930 J. Herberich confirm, High Res naming:
- No additional "H" for High Res naming convention
- Samples beyond 3ft (for archive) use sample intervals (-AAS, -ABS, etc)

Still no decision made on High Res Processing

RW 10/28/13

Location LPR Date 10/28/13

Project / Client SSPZ - Facility

procedure. Processing crew did not process 0578 High Res cores beyond 3 ft.

0957 Doug Simmons confirmed: 0578-C1, C2 samples sent to lab as is, told to HOLD. Moving forward, High res collected today should be to native/refusal. Process in 0.25 ft. intervals. Top 3 ft or 12 samples, submitted for analysis. Remaining samples below 3ft will be submitted and put on hold.

High Res Sampled for:
- PCDD/PCDF - 20 grams
- CS-137/Lead 210/Po 210 - Remainder
- Pesticides - 20 grams

1045 Begin shipping process for 13B-0578-C1, C2 samples.
1232 Completed shipment process for 13B-0578-C1, C2 samples. Awaiting UPS pickup.

RW 10/28/13

Location LPR Date 10/28/13

Project / Client SSP2-Facility

1256	Received 13B-0578-C8 AB/BC
	" - " - C9 AB/BC
	from N. Pinsker.
1514	0578-Low Res sampled processed
	Begin shipping
1719	Received: 13B-0547-C5 AB/BC
	" - " - C6 AB/BC
	from D. Lewis
1740	Complete shipping for
	13B-0578-Low Res
	Awaiting UPS pick-up.
	Total 7 coolers.
1830	Received 13B-0578 high
	Res samples from dust.
	Begin shipping procedures.
1933	UPS arrives
1934	All COCs from
	10/24 & 10/25 uploaded
	to Share point.

Location _____ Date _____

Project / Client _____

FIELD LOGBOOK ID #
60145984-2013-SSP2-
HOBO-01

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LOWER PASSAIC RIVER

DATES COVERED:

—

60145884-2013-SSP2-HOBO-01

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ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name HELEN PARRY JONES/GEMMA KIRKWOOD
AECOM

Address 250 APOLLO DRIVE
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Phone 978-905-2100

Project LOWER PASSAIC RIVER
60145884 ~~2013 SSP2~~ RKJ
LOGBOOK START DATE: Sept. 23, 2013
LOGBOOK END DATE:

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AUTHOR INFORMATION

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	[signature] SIGNATURE	9/23/13 RW INITIALS
2.	Nathan Pinsker PRINTED NAME	
	[signature] SIGNATURE	NP INITIALS

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Location East Rutherford, NJ Date 09/23/13

Project / Client SSP2 - HOBO Deployment

Field Personnel: Rei-Hwa Wang - AECOM
Joel Meunier - AECOM
Carl Cantrell - OSI

Proposed Activity: Deploy HOBOs

Current Weather: Sunny ~65°F

1039 R. Wang & J. Meunier arrive @ dock.
1115 Boat launched.
1130 Arrive @ Monroe St. Bridge. Trying to locate stilling well.
1150 Abandoned Monroe St. Bridge Station. Could not find Stilling well.
1200 Arrive @ Main Ave Bridge
1210 Abandoned Main St. Bridge station..
1214 Arrived at Union Avenue Bridge.
1246 Arrive @ Rt 3. Bridge. - location was moved actual location is Conrail Bridge.

RW 9/23/13

Location LPR Date 9/23/13

Project / Client SSP2

HOBO Deployment

Union Ave Bridge

1231 Deployed Unit 10051479
Depth to Water level = 2.01 ft
Salinity = 0.28 ppt
Depth to Bottom of River bed = 13.6 ft
Stilling well length = 9.6 ft
All measured from Top of Casing.

Conrail Bridge RM 11.63

Deployment Time 1305
Depth to Water level 2.20 ft @ 12.56
Salinity 0.27 ppt
Depth to Soft Bottom = 16.23 ft
length of Stilling well = 9.67 ft.

Kingsland Ave Bridge RM 10.37

1312 Arrival Time
1335 Deployment Time
1324 Depth to Water = 2.11 ft
1326 Salinity = 0.30 ppt
Depth to Soft Bottom = 11.6 ft
length of Stilling Well = 9.53 ft
S/N: 10051480
S/N: 10032395 - Barometric

@ 9/23/13

Location LPR Date 9/23/13

Project / Client SSP 2

HOBO Deployment

Route 7 Bridge RM 8.5

1347 Arrival Time
1415 Deployment Time (Delayed Start)
1351 Depth to Water = 2.27 ft
Salinity = 0.36 ppt
TOC to Bottom = 22.7 ft
Length of Stilling Well = 9.59 ft
S/N: 10030859

Pathmark Bulkhead RM 6.7

1412 Arrival Time
1435 Deployment Time - Delayed Start
1417 Depth to Water = 3.83 ft
1427 Salinity = 1.95 ppt
TOC to Bottom = 11.87 ft
Length of Well = 9.70 ft
S/N: 20260023
1432 Mob. back to CPG Dock.
1458 Arrive @ dock. Plan to eat lunch then mob back to abandoned stations to install missing stilling wells and deploy remaining HOBOs.

@ 9/23/13

Location LPR Date 9/23/13
Project / Client SSP 2

1554 Arrive back @ dock. Load cove carrier on Skiff/Transport boat.
1615 Joel Monier & Nathan Pinsker to go pick up end caps & other supplies at Lowe's for stilling well installation.
1705 J. Monier & N. Pinsker arrive back @ dock. Mob to Monroe St. Bridge to install well.

Monroe St. Bridge RM 16.0

1734 Arrive @ monroe st location - No paint markings observed to show where previous well was located.
1737 Well location to be placed on 5th High beam of bulkhead.
Northing 741576.19
Easting 599432.37
NJ State Plane Coordinate System
1741 Begin well installation
1800 End well installation

@ 9/23/13

Location LPR Date 9/23/13
Project / Client SSP 2

Monroe St. Bridge Continued

1815 Deployment Time - Delayed
1813 Salinity = 0.30 ppt
1805 Depth to Water = 5.19 ft
TOC to Bottom = 14.24 ft
Length of Well = 9.80 ft
S/N: 10030858

Main Ave Bridge (RM 13.9)

1845 Arrived at location. No spray paint or marking showing where well use to be.
1849 Begin well installation
1857 End well installation
1920 HOBO Deployment - Delayed start
Salinity 0.3 ppt
Depth to Water = 6.46 ft
TOC to Bottom = ~~@ 9/23/13 9.8 ft~~ 20.37
Length of Well = 9.8 ft
S/N 10032331
Northing 736423.83
Easting 597269.91
1908 Mob back to dock
1915 Arrive back @ dock

@ 9/23/13

Location LPR Date 9/27/13

Project / Client SSP2 - HOBO ~~Retrieval~~ @ 9/27/13
Data Download

Personnel: Ru-Hua Wang - AECOM
Carl Cantrell - OSI
Helen Jones - AECOM

Weather: Partly Cloudy ~ 60°F

Tide Conditions: Currently low tide

Objective: Retrieve HOBO data. Previously Monroe St. Bridge was difficult to access due to the low tide. Plan to retrieve Monroe Station Data by land.

0806 R. Wang @ dock, C. Cantrell preparing skiff.

0816 Skiff leaves dock to Pathmark bulkhead. Will work our way up river.

0849 Called Helen Jones. Notified her that HOBO boat does not have the YSI. Helen said no need to take salinity readings for data retrieval.

@ 9/27/13

Location LPR Date 9/27/13

Project / Client SSP2 - HOBO ~~Retrieval~~ @ 9/27/13
Data Download

Pathmark Bulkhead - RM 6.7

Arrival Time: 0842
Top of Casing to Water: 6.8 ft
T.O.C. to Bottom of Casing: 9.9 ft @ 9/27/13
T.O.C. to River Bottom: ~~9.89 ft~~ 9.9 ft
~~Salinity (ppt):~~ @ 9/27/13
Retrieval Time: 8:52
HOBO S/N: 20760623
File Name: 2013-09-27_PATHMARK BULKHEAD
Launch Time 0900 - Delayed Start
End Time: 8:58 mob. to next station - ~~Pathmark~~ @ 9/27/13 Rt 7 Bridge.

Rt. 7 Bridge - RM 8.5

Arrival Time: ~~0908~~ @ 9/27/13 0908
T.O.C. to Water 6.05 ft
T.O.C. to B.O.C. 9.58 ft
T.O.C. to River Bottom: 22.25 ft
Retrieval Time: 0915
HOBO S/N: 10030859
File Name: 2013-09-29_Route 7
Launch Time: 09:20

@ 9/27/13

Location LPR Date 9/29/13

Project / Client SSP2 - HOBO Data Download

0918 Mob. to next station - RM. 10.37

Kingsland Ave - RM 10.37

Arrival Time: 09:24
TOC to Water: 6.4 ft
TOC to BOC: 9.5 ft
TOC to River Bottom 15.7 ft
Retrieval Time: 09:37
HOBO S/N: 10051480
File Name: 2013-09-29_KINGSLAND_AVE
Launch Time: 09:45

Barometric HOBO
- Retrieval Time 09:32
- HOBO ~~09:3~~ @ 9/29/13 SN: 10032395
- File Name: 2013-09-29_KINGLAND_BARO
- Launch Time: 09:45

0940 Mob. to Rt 3 (Railroad Bed)

Rt 3 (Conrail Bed) RM 11.63

Arrival Time: 09:48
TOC to Water 6.74 ft
TOC to BOC 9.74 ft.
TOC to River Bottom 16.3 ft
@ 9/29/13

Location LPR Date 9/29/13

Project / Client HOBO - SSP2 Data Download

Retrieval Time: 09:51
HOBO S/N: 10032394
File Name: 2013-09-27_RT3_CONRAIL BRIDGE
Launch Time: 10:05

0959 Mob. to Union Ave Bridge.

Union Ave - ~~HO~~ @ 9/29/13 RM 12.9

Arrival Time: 10:10
TOC to Water 6.5 ft
TOC to BOC 9.59 ft.
TOC to River Bottom: 13.4 ft
Retrieval Time: 10:11
HOBO S/N 10051479
File Name: 2012-09-29_UNION_AVE
Launch Time: 09 @ 9/27/13 10:25
* Stilling well needs maintenance

1021 Mob. to Gregory Ave./Main Ave RM 13.9.

@ 9/29/13

Location LPR Date 9/27/13

Project / Client SSPZ - HOBO
Data Download

Main Ave RM 13.9
Arrival Time: 10:25
TOC to Water Level 5.35 ft
TOC to BOC 7.8 ft
TOC to River Bottom 20.3 ft
Retrival Time 10:29
HOBO S/N: 10032331
File Name: 2013-09-29_MAIN_AVE_RM_13.9
Launch Time: 10:40

10:36 Mob. back to dock. Will retrieve HOBO data from Monroe St. (RM 16.0) from land due to low tide. Skiff cannot make it there during this time.

10 40 Arrive at dock.
1046 R. Wang arrive @ CPG Facility. R. Wang & Helen Jones, mob. to Monroe St. Bridge (RM 16.0) via vehicle. Plan to retrieve data from land.

@ 1129 hrs

Location LPR Date 9/29/13

Project / Client SSPZ - HOBO
Data Download

Monroe St. Bridge - RM 16.0
Arrival Time 1115
TOC to Water level 4.25'
TOC to BOC 9.80'
TOC to River Bottom 10.40'
Retrieval Time: 1120
HOBO S/N: 10030858
File Name: 2013-09-27_MONROE_ST
Launch Time: 1130

1131 H. Jones & R. Wang mob. to CPG facility.
1151 Arrive @ facility

9/27/13

14

Location LPR Date 10/4/13

Project / Client SSPZ - HOBO

Field Personnel: Rei-Hua Wang - AECOM
Carl Cantrell - OSI

Weather: Partly Cloudy ~68°F
Chance of Scattered Showers

Tide: High

Objective: Collect HOBO Data & Recon Station 509 for Utilities. Possibly repair RM 12.9.

0727 R. Wang on dock

~800 Skiff leaves dock. Help Willdo tie lines ashore.

0816 on-route to first HOBO Station.

RW 10/4/13

15

Location LPR Date 10/4/13

Project / Client SSPZ - HOBO

Monroe St. Bridge (RM 16.0)

Arrival Time: 0845
TOC to Waterlevel: 2 inches
TOC to River Bottom: 14.3 ft
Retrieval Time: 0850
HOBO S/N: 10030858
Launch Time: 0900
Salinity: 0.33 ppt

Main Ave RM 13.9

Arrival Time: 0910
TOC to Water Level: 5 inches
TOC to River Bottom: 20.4 ft.
Retrieval Time: 0915
Salinity (ppt): ~~10032331~~ RW 10/4/13 0.34
Launch Time: 0920
HOBO S/N: 10032331

RW 10/4/13

Location LPR Date 10/4/13

Project / Client SSP2 - HOBO

Union Ave RM 12.98

Arrival Time: 0930
TOC to Water level: 1.8 ft
TOC to River Bottom: 13.95 ft
Salinity (ppt): 0.35
Retrieval Time: 0933
Launch Time: 0945
HOBO S/N: 10051479
* Added extra U-Bracket to well *

Rt. 3 / Conrail RM 11.63

Arrival Time: 0951
TOC to Water Level: 2.35 ft
TOC to River Bottom: 16.6 ft
Salinity (ppt): 0.94
Retrieval Time: 0956
Launch Time: 1000
HOBO S/N: 10032594

Kingsland Ave RM 10.34

Arrival Time: 1011
TOC to Water Level: 2.35 ft
TOC to River Bed:
Salinity: 1.92 ppt
Retrieval Time: 1016
Launch Time: 1020

@ 10/4/13

Location LPR Date 10/4/13

Project / Client SSP2 - HOBO

HOBO S/N: 10051480
Barometric HOBO:
Retrieval Time: 1014
Launch Time: 1020
HOBO S/N: 10032395

Route 7 Bridge RM 8.5

Arrival Time: 1030
TOC to Water Level: 2.5 ft
TOC to River Bottom: 22.6 ft
Salinity: 4.22 ppt
Retrieval Time: 1034
Launch Time: 1040
HOBO S/N: 10030859

Pathmark Bulkhead RM 6.7

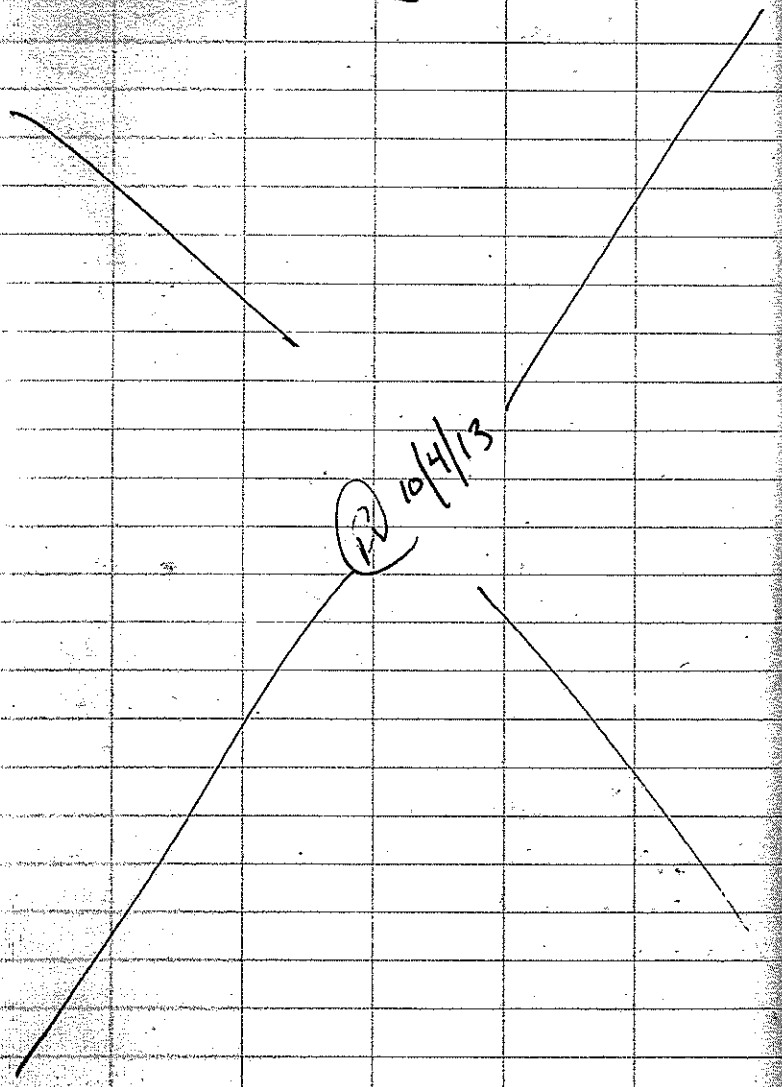
Arrival Time: 1053
TOC to Water Level: 4.05 ft
TOC to River Bottom: 10 ft
Salinity (ppt): 7.28
Retrieval Time: 1057
Launch Time: 1100
HOBO S/N: 20260023

@ 10/4/13

Location LPR Date 10/4/13

Project / Client SSP2 - HOBO

11:30 Arrive back @ dock



Location LPR Date 10/11/13

Project / Client SSP2 - HOBO

Personnel: Pei-Hsi Wang - AECOM
Nathan Pinsker - AECOM
Carl Cantrell - OSI

Weather: Cloudy ~65°F, chance of showers in the afternoon.

Tide: Low, high tide @ 1400

Objective: Collect data off Hobo mests.

0800 R Wang & N. Pinsker arrive @ dock.

0804 H+S tailgate. Slips, trips, falls, PPE, man overboard, & weather concerns.

0825 Skiff departs the dock. Cannot access Monroe St. during low tide. Head to Main Ave Bridge.

RW 10/11/13

Location LPR Date 10/11/13

Project / Client HOBO - SSP2

Main Ave RM 13.98

Arrival Time: 0832
TOC to Water: 5.35 ft
Retrieval Time: 0835
HOBO S/N: 10032331
Launch Time: 845
Salinity (ppt): 0.35

Union Ave RM 12.98

Arrival time: 0848
TOC to water: 6.55 ft.
Retrieval time: 0851
HOBO s/n: 10051479
Launch time: 0900
salinity: 0.36 ppt

Route 3 Conrail RM 11.63

Arrival Time: 910
TOC to Water: 6.69 ft
Retrieval Time: 0914
HOBO S/N: 10032394
Launch Time: 0920
Salinity: 0.35 ppt

@ 10/11/13

Location LPR Date 10/11/13

Project / Client SSP2 - HOBO

Kingsland Ave RM 10.37

Arrival Time: 0925
TOC to Water: 6.33 ft
Retrieval Time: 0932
HOBO S/N: 10051480
Launch Time: 0938
Salinity (ppt): 0.34 ppt

Barometric HOBO:
Retrieval Time: 0930
HOBO S/N: 10032398
Launch Time: 0932

Route 7 Bridge RM 8.5

Arrival Time: 0946
TOC to Water: 5.69 ft
Retrieval Time: 0947
HOBO S/N: 10030859
Launch Time: 0955
Salinity (ppt): 0.42

@ 10/11/13

Location LPR Date 10/11/13

Project / Client SSPZ - HOBO

Pathmark Bulkhead RM 6.7

Arrival Time: 1002

TOC to Water: 5.99 ft

Retrieval Time: 1004

HOBO S/N: 20260023

Launch Time: 1010

Salinity (ppt): 1.93

1007 Mob. back to dock.

1040 Arrive @ dock.

1043 Arrive @ CPG Facility

1045 Mob to Monroe St.

1053 Arrive @ Monroe St.

Monroe St. RM 16.0

TOC to Water 3.64 ft.

Retrieval Time 1100

HOBO S/N: 10030858

Launch Time: 1110

Salinity (ppt): - Unobtainable Boat could not access this location. Data collection by hand.

Location LPR Date 10/11/13

Project / Client SSPZ - HOBO

1107 Mob back to CPG facility.

@ 10/11/13

Location LPR Date 10/17/2013

Project / Client SSP2 - HOBO

Personnel: Nathan Pinsker - AECom
Helen Jones - AECom
Carl Cantrell - AECom

Weather: 60's °F Light rain

Title

Objective: Examine the integrity of an HOBO's Pathmark Bulkhead, Rt 1 and Kingsland Ave Bridge (DeJesse), and Union Ave

0857 Depart dock
Staff H+S meeting

0946 Arrive at Pathmark Bulkhead
- HOBO in good condition
- One bracket missing
- HOBO sturdy. Line marking original height indicates pvc has not moved

NP

Location LPR Date 10/17/13

Project / Client SSP2 - HOBO

1002 Arrive at Rt 1 Bridge
HOBO in good, sturdy shape
- Nail on top of pvc indicates the pvc has not moved.

NP ~~lost~~ 10/17/13

1015 Arrive Kingsland Ave Bridge
- HOBO sturdy
- However pvc is ~1cm under the nail. Previous HOBO, the nail was flush

1029 RM 11.68 (Rt 3 Bridge) RR
HOBO sturdy, good condition
- No reference nail

1129 Arrive RM 12.9 (Union Ave)
HOBO sturdy, good condition
- Recently adjusted and new bracket installed
- Based on paint. PVC not in original location. Set ~1 cm NP 10/17/13

1140 Back at dock

NP

Location LPR Date 10/18/2013

Project / Client SSP2 HOBO

Personnel: Nathan Pinsker AECOM
Carl Cantrell OSI

Weather: Clear ~60° F

Tide: High

Objective: Collect data off HOBO stations

0800 NP lead H+S meeting meeting on the skimmer.

Moncrae Street Bridge RM 16.0

Arrival Time: 08:35
TOC to water: 0.7
Retrieval Time: 0837
HOBO S/N: 10030858
Launch time: 0845
Salinity (ppt): 0.36

NP

Location LPR Date ~~10/18~~ NP 10/18/13 10/18/2013

Project / Client SSP2 HOBO

Gregory Avenue RM 13.98

↳ Akt Main St Bridge

Arrival Time: 0910
TOC to Water: 0.85
Retrieval Time: 0913
HOBO S/N: 10032331
Launch Time: 0920
Salinity (ppt) 0.35

Union Ave RM 12.98

Arrival Time: 0932
TOC to Water: 2.14
Retrieval Time: 0935
HOBO S/N: 10051479
Launch Time: ~~0940~~ NP 10/18/13 0942
Salinity (ppt) 0.36

Route 3 RM 11.63

Arrival Time: 0958
TOC to water: 2.47
Retrieval Time: 959
HOBO S/N: 10032394
Launch Time: 10:05
Salinity (ppt): 0.41

NP

28

Location LPR Date 10/18/2013

Project / Client SSP2 HOBO

Route 3 RM 11.63

HOBO came out of Optic USB Base station during delayed start activation. Default settings were ~~reset~~ reset. Interval readings were set to 10/18/13 every ten minutes. Absolute pressure and temperature checked. ~~of~~ 10/18/13

Kingsland Ave Bridge (De Jesse) RM 10.37

Arrival time: 10:12

TOC to water: 2.35'

Retrieval time: ~~10:13~~ NP 10/18/13 - 1017

HOBO S/N: 10051480

Launch Time: 1022

Salinity (ppt): 0.64

Barometric HOBO

Retrieval time: 1013

HOBO S/N: 10032395

Launch time: 1020

NP

29

Location LPR Date 10/18/13

Project / Client SSP2 HOBO

Route 7 (Rutgers Bridge) RM 8.5

Arrival Time: 1032

TOC to water: 2.41

Retrieval Time: 1033

HOBO S/N: 10030859

Launch Time: 1040

Salinity (ppt): 2.3

Logging interval changed from one (1) second to 10 minutes.

Pathmark Bulkhead RM 6.7

Arrival Time: 1041

TOC to water: 3.79'

Retrieval Time: 1051

HOBO S/N: 20260023

Launch Time: 1055

Salinity (ppt): 4.8

1055 Mob to dock

NP

LPR
SSP2

10/23/2013

Personell: Nathan Pinsker AECOM
Morgan Barrett

Weather: 50's °F Cloudy. 60% chance of rain.

Tide: Low

Objective: Rt 7 at RM HOBO did not download. (Invalid files). NP will attempt to download the data again. If the HOBO shows an error, then the HOBO will be replaced.

NP 10/23/13

Route 7 RM 8.5

Arrival Time: 1204
TOC to water: 1.20'
Retrieval time: 1205
HOBO s/N: 10030859
Launch Time: 1213

HOBO appears to have saved and opened. One saving issue however.

LPR
SSP2

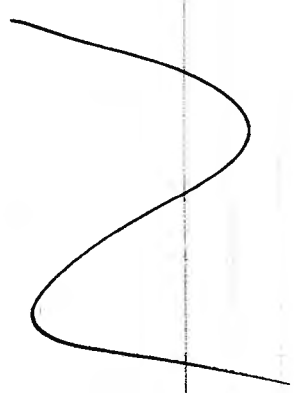
10/23/2013

The first saved attempt displayed the message, "Error, could not save file. You may not have the proper permissions to write this file or create files in the selected folder. Please choose another file or directory."

NP then saved to "2013-10-18 HOBO Data" folder. Save successful.

File opened successfully.

DIS Return to Dock



NP

Location LPR Date 10/25/13

Project / Client SSP2 HOBO

Personel	Nathan Pinsker	AECOM
	Morgan Barrett	OSI
	Jason DeLorenzo	OSI
	Helen Jones Lamy	AECOM
Weather	50s F Partly Cloudy	
Tide	High, headed out	

Objective: Download and remove HOBOs.

1545 Depart dock

Pathmark Bulkhead RM 6.1

Arrival time:	1640
TOC to water:	6.12'
Dept to bottom:	~~9.70'~~ 10.0 Ft HAFF 10/25/13
Retrieval time:	1643
HOBO s/N:	20246023
Salinity:	4.98 ppt

HAFF

NP

Location LPR Date 10/25/2013

Project / Client SSP2 HOBO

Route 7 (Rutgers Bridge) RM 8.5

Arrival Time:	1710
TOC to Water:	5.55'
Depth to bottom:	22.44'
Retrieval Time:	1711
HOBO s/N:	10030859
Salinity:	1.54 ppt

Kingsland Ave (De Jesse) RM 10.37

Arrival Time:	1734
TOC to water:	~~17~~ 6.34' HAFF 10/25/13
Depth to bottom	13.8'
Retrieval time:	~~1734~~ 1736 HAFF 10/25/13
HOBO s/N:	~~10032395~~ HAFF 10/25/13 10051480
Salinity	0.40 ppt

Barometric HOBO

Retrieval time:	1734
HOBO S/N:	10032395

HAFF

NP

Location LPR Date 10/25/2013

Project / Client SSP2 HOBO

Rt 3 RM 11.63
Arrival time 1748
TOC to water 6.80 ft
Depth to bottom 16.4 ft
Retrieval time 1750
HOBO s/n: 10032394
Salinity: 0.39 ppt

Union Avenue RM 12.98
Arrival Time 1809
TOC to water 7.00 ft
Depth to bottom 14.00 ft
Retrieval time 1809
HOBO s/n: 10051479
Salinity: 0.39

1816 Due to setting sun, the two remaining HOBOs, Gregory Ave and Monroe St Building will be collected 10/26/2013.

NP

Location LPR Date 10/26/2013

Project / Client SSP2 HOBO

Personel: Nathan Pinsker AECOM
Jeff Bydesk: OSI
Mike Lincoln: OSI

Weather - 50's F clear

Tide Low

Objective: Download and retrieve HOBOs stations Gregory Ave and Monroe St building

Monroe St Bridge RM 16.0
Arrive by car/foot 0920
TOC to water: 5.40 ft
Depth to bottom 10.49 ft
Retrieval time: 0925
HOBO s/n: 10030858
Salinity: 0.36 ppt (10:45)

~~Return to dock~~ NP 10/26/13

Unable to connect YSI to computer. OSI working to fix. Bad cable

1100 Fixed YSI

NP

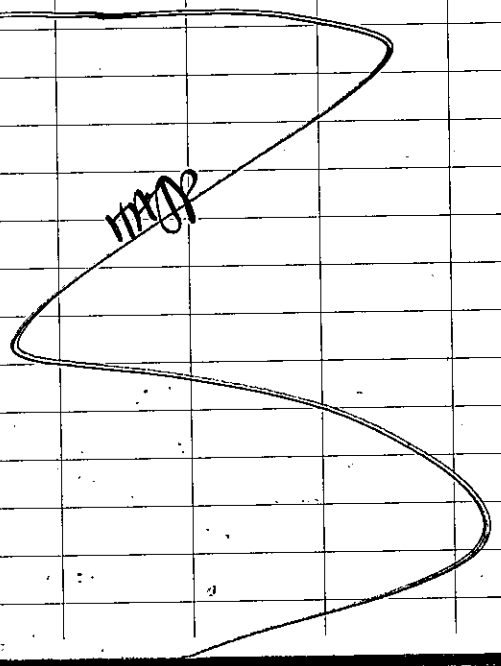
Location LPR Date 10/26/2013

Project / Client SSB2 HOBO

Gregory Avenue RM 13.98
Arrival time: 1130
TOC to water: 3.50'
Depth to bottom: 20.6'
Retrieval time: 1131
HOBO S/N: 10032331
Salinity: 0.40

1140 Head back to dock

1150 Arrive at CLG dock



Location Date

Project / Client

FIELD LOGBOOK ID #
60145884-2013-SSP2-
ON SITE COORDINATOR -01

Rite in the Rain®
ALL-WEATHER
ENVIRONMENTAL FIELD BOOK
№ 550

LOWER PASSAIC RIVER

DATES COVERED:

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60145884 - 2013 - SSPB - ON SITE COORDINATOR - 01

Rite in the Rain
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name HELEN JONES PARRY / GEMMA KIRKWOOD
AECOM
Address 250 APOLLO DRIVE
CHELMSFORD, MA 01824
Phone 978-905-2100

Project LOWER PASSAIC RIVER
60145884-
LOGBOOK START DATE:
LOGBOOK ~~START~~ (XK2) END DATE:

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~~CONTENTS~~
AUTHOR INFORMATION

PAGE	REFERENCE	DATE
1.	Helen Jones Parry PRINTED NAME Helen Jones Parry SIGNATURE	HJP INITIALS
2.	PRINTED NAME SIGNATURE	INITIALS

Reference Page Index

CONTENTS

PAGE	REFERENCE	DATE

Location E. Rutherford NJ CPG Date 9/23/13

Project / Client LPR LRC SSP2 / DMI

Onsite Personnel:

- Helen Jones Parry (AECOM) - field lead
- Doug Simmons (AECOM) - task manager
- Paula Winchell (AECOM) - shipping lead
- Reitha Wang (AECOM) - shipping / hobos
- Joel Meunier (AECOM) - facility
- Jen Reed (AECOM) - sed processing
- Michele Russell (AECOM) - sed. processing
- Dixon Lewis (AECOM) - boat lead
- Drew Foley (AECOM) - boat lead
- David Smith (AECOM) - boat crew
- Steve Howe (AECOM) - boat crew
- Nathan Pinsker (AECOM) - transporter
- Jason DeLorenzo (OSI) - Captain Candu
- Steve Bodak (OSI) - Captain Wilder
- Jeff Pydeski (OSI) - OSI helper
- Carl Cantrell (OSI) - OSI Captain Skiff
- Morgan Barrett (OSI) - OSI helper

Proposed activities: Conduct on-site training

Deploy hobo samplers

Conduct sample collection

Weather: 60°F, sunny

Location E. Rutherford NJ CPG Date 9/23/13

Project / Client LPR LRC SSP2 / DM1

0800 All staff on site from AECOM + OSI (listed on p3). Conduct health + safety meeting, start training boat and facility teams. Decon core liners, caps, etc. Decon bowls, spoons, etc.

1030 Rei + Joel head out to deploy hobos. Continue decoming equipment.

1115 Rei reports that stilling well is missing from Monroe Street Bridge.

1200 Rei reports that stilling well is missing from Gregory Ave bridge.

Boat crews continue decoming core liners, caps, catchers.

Tent crew continues decoming bowls, spoons, etc.

Transporter gets supplies for replacing stilling wells.

1345 Break for lunch.

1400 Teresa Watson - AECOM, sed processing lead on site.

Location E. Rutherford NJ CPG Date 9/23/13

Project / Client LPR LRC SSP2 / DM1

1515 Boat crews depart for station 0546/0547 ~~SS~~ HJ Hobos deployed at: Union Ave Rm 12.98, Rt 3 Rm. 11.63, Kingsland Ave Bridge, Rt 7 (Rutgers Bridge), Pathmark Bulkhead (Specific info in hobo logbook)

1600 Rei + Joel depart in transport boat to replace stilling wells at Monroe Street Bridge + Gregory Ave Rm 13.98

1655 Train sed processing crew on Sumaq.

1730 Administer fit tests to tent crew: Jen Reed, Michele Russell, Teresa Watson

1830 Boat teams ~~set~~ unable to get core from station 0547 - both teams working at same station for training purposes. Use core catcher on C2 and are successful. Boat crews need to come back to facility due to sundown.

Rei, Joel, + Nathan install new stilling wells and hobos at Monroe Street Bridge + Gregory Ave Bridge.

Location E. Rutherford NJ CPG Date 9/23/13

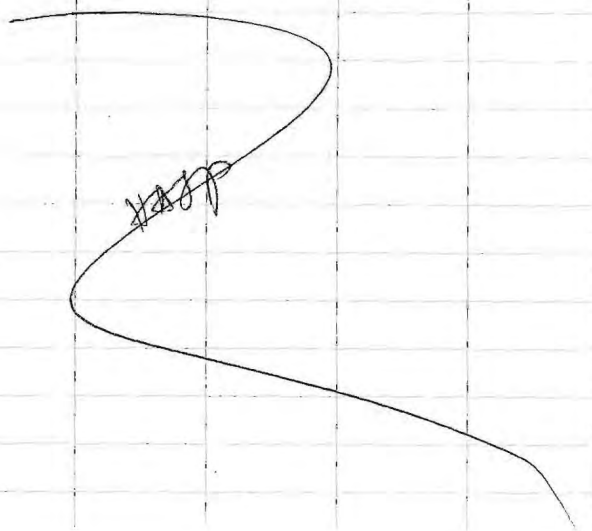
Project / Client LPR LRC SSP2 / DMI

Collected 13B-0547-C2 @ 1825
pen - 9.5', Rec - 9.35', 98% recovery
Native observed in catcher.

1925 Ray + Joel back at facility - all boxes
Successfully installed from Monroe street Bridge
to Pathmark Bulkhead

1940 Boat crews back at facility with core
Discuss plan for tomorrow.
Scan forms.

2030 AECOM off site



Location E Rutherford NJ CPG Date 9/24/13

Project / Client LPR LRC SSP2 / DMI

Onsite Personnel:
Helen Jones Parry - AECOM, field lead
Doug Simmons - AECOM, task manager
Paula Winchell - AECOM, shipping lead
Rei-Hun Way - AECOM, shipping
Teresa Watson - sed. processing lead AECOM
Michele Russell - sed. processing AECOM
Jen Reed - AECOM sed processing
Joel Meunier - AECOM, facility
Nathan Pinsker - AECOM, transporter

Boat crews (on water)
Candu: Jason DeLorenzo - OSI Captain
Morgan Barnett - OSI helper
Dion Lewis - AECOM, boat lead
David Smith - AECOM, helper

Wildu: Steve Bodak - OSI Captain
Jeff Pydeski - OSI helper
Drew Foley - AECOM, boat lead
Steve Howe - AECOM, helper

EPA Oversight: Sean O'Hare (CDM Smith)
Proposed Activities: Collect cores and/or grabs from priority locations: 0547, 0546, 0550, 0551, 0563, 056
Weather: sunny, 60°F

Location E. Rutherford NJ CPG Date 9/24/13
Project / Client LPR LRC SSP2 / DMI

0730 Helen Jones Parry on site - meet Doug Simmons.
Boat crews on water
Assigned the following stations:
Wildu: 0563, 0564 (low tide for bridge / high tide sampling)
Candu: finish 0547, 0546 (grab only), 0550, 0551

0800 Facility / shipping staff on site
Conduct health + safety meeting.
Nathan leaves to pick up cores.
Std processing crew prepares to start processing 0547-C2 from previous evening.

Sean O'Hare (CDM Smith, EPA oversight) on transport / coring boats to observe.
Sean requests we collect split from 0547. so will need 3 cores to have enough material.

0835
~~0835~~ Candu collects 0547-C3
Pen. 9.5', rec. 9.4' - 99% recovery
Tent starts processing 0547-C2

Wildu collects 0563-C1 @ 0810
Pen. 8.0', rec. 6.8' - 84% recovery - refusal, no native.

Location E. Rutherford NJ CPG Date 9/24/13
Project / Client LPR LRC SSP2 / DMI

0950 Learn that Candu needs to replace air hammer before they can collect third core for 0547. Also collect grab 0547-G1AS.
Collect grab 0546-G2AS.

1010 Wildu has collected 0563-C2 @ 0930
Pen. 9.5', recovery 8.2' - 86% recovery
refusal - no native

1105 Nathan (transporter) arrives with 0547-C3 and 0547-G1AS

Candu collects grab only station: 0546-G2 @ 1108

1220 0546-G2 at facility

1316 0563-C1, C2, G1 at facility

Wildu collects 0564-C1 @ 1252
refusal at 8.2 ft - pen. 8.2', rec. 3 ft
36.6% recovery

1320 Candu back on water heading to 0550

Location E. Rutherford NJ CPG Date 9/24/13

Project / Client LPR LRC SSP2 | DMI

1345 Wildu collects ~~Core~~ 0564-C2 @ 1331
pen. - ~~8ft~~ 4.0ft rec ~~4ft~~ 2', 50% recovery

1420 Wildu collects 0564-C3 @ 1405
pen. 4.5 ft rec. 2.4 ft - 53% recovery

Station 0564 is reportedly a sand/gravel sort of material which is causing the low recoveries. Three attempts, all poor recovery so not processing cores from 0564.

1445 Discuss tomorrow's probing activities on the Third River w/ Dong + Nathan. Prep for that.

1530 Wildu collected 0564-G2AS @ 1457
- this grab will be sampled for full suite.

1600 Wildu heading back to CPG docks.
Cardo sampled station 0551

1613 Nathan transfers cores (DW) and grab 0564-G2 to facility

1620 Wildu crew back at facility.

Location E. Rutherford NJ CPG Date 9/24/13

Project / Client LPR LRC SSP2 | DMI

1630 Cardo on way back to facility
Collected cores | grab from 0551
Boat crew did not collect AVS/SEM sample from grab sampler for station 0551 - collected later on boat after jar delivered to them.
Cardo collected 0551-C1 @ 1420 - 53% rec.
pen. 6ft rec 3.15 ft
0551-C2 @ 1502
pen. 1.8ft rec. 1.55 ft - 86% rec.
0551-C3 @ 1540
pen. 4.4 ft rec 2.0 ft - 45%
0551-G2AS @ ~~2010~~ 1610
- only able to fill 1-1 gal bucket
0551-G3AS @ 1630
- only able to fill 1-1 gal bucket

1700 Station 0547 processed through H interval
C2, C3 - native w/ 1 ft shallower in secondary "C3" core so SVOCs, PAHs, TPH-extractables, and archive jar couldn't be filled due to not enough material from interval.

Location E. Rutherford NJ CPG Date 9/24/13

Project / Client LPR LRC SSP2 / DMI

1820 Grabs 0546-G2AS and 0564-G2AS processed.

Collect EPA splits at:

13B-0547-C2/C3/G1AS "A" interval

13B-0564-G2AS "grab only"

1925 Station 0551-C2 processed A, B interval

0551-G2 processed

Core 0551-C2 did not provide enough material to fill all jars for "B" interval - only dioxins/furans, PCBs, ~~mercury~~, and grainsize filled. Some nodules of native material at bottom of core - ~ 0.8 ft

Not all samples were shipped out today resulting in a nonconformance. Samples kept overnight are locked in the walk-in cooler.

2110 AECOM off site

Location E. Rutherford NJ CPG Date 9/25/13

Project / Client LPR LRC SSP2 / DMI

Onsite Personnel:

- Helen Jones Perry - AECOM - field lead
- Doug Simmons - AECOM - task manager
- Paula Winchell - AECOM - shipping lead
- Teresa Watson - AECOM - sed. processing lead
- Rei-Hua Wang - AECOM - shipping
- Michele Russell - AECOM
- Jen Reed - AECOM
- Ellen Fyock - AECOM

(Michele Russell, Jen Reed, Ellen Fyock: sediment processing)

- Joel Meunier - AECOM - facility
- Nathan Pinsker - AECOM - transporter

Boat Crews:

- Dion Lewis - AECOM, boat lead Cardu
- David Smith - AECOM, boat helper Cardu
- Jason DeLorenzo - OSI, Captain Cardu
- Morgan Barnett - OSI, Cardu
- Drew Foley - AECOM, boat lead Wilder
- Steve Howe - AECOM, boat helper Wilder
- Steve Bodak - OSI Captain Wilder
- Jeff Pyderski - OSI helper Wilder

EPA oversight - Sean O'Hare, CDM Smith

Proposed Activities: Collect cores and/or grabs from priority stations: 512, 514, 504, 533, 510, 550

Weather: sunny, 60°F

Location E. Rutherford NJ CP6 Date 9/25/13

Project / Client LPR LRC SSP2

0730 AECOM facility staff on site, boat crews on water with EPA oversight on Candu.
- Conduct health + safety meeting
- prep tent for sed processing, decon.
continue prepping samples from 9/24/13 for shipment

0830 Sed processing begins for station 0563.
Wildu at station 0504: first core went deeper than 10 ft and no native material observed in corelines. Candu will take over this station as they have longer core barrel.

1020 Wildu collects 0512-C1 @ 0957
pen. 9.5 ft rec. 6.8 ft - 71.6% recovery

1050 H. Jones Parry, D. Simmons, N. Pirsha head out for Third River probing survey

1120 Wildu collected 0512-C2 @ 1051
pen. 9.3 ft rec. 6.5 ft - 64.5% recovery

Location E. Rutherford NJ CP6 Date 9/25/13

Project / Client LPR LRC SSP2

1140 Info from Candu
0510-C1 @ 0900
pen. 9.5 ft rec. 7.1 ft - 75% recovery
0510-C2 @ 0945
pen. 0.8 ft rec. 0 ft 0% recovery
0510-C3 @ 1000
pen. 9.5 ft rec 7.6 ft 80% recovery
0510-C4 @ 1035
pen. 2.0 ft rec. 0 ft 0% recovery
No recovery for any of 3 attempts for grab.
Note: Fourth attempt in station 0510 because EPA oversight requested split from this station. Because of poor recovery, will not collect split.

1200 Wildu collected 0512-C3 @ 1138
pen. 9.3 ft rec 7.2 ft - 77.4% recovery

1217 Wildu collects 0512-GIAS.

1312 Wildu collects 0514-C1
pen. - 7.1 ft rec. 4.65 ft - 65.6% rec.

Location E. Rutherford NJ CP6 Date 9/25/13

Project / Client LPR LRC SSP2 / DM1

1408 Wildu collects 0514-C2
pen. 7.5 ft rec. 5.5 ft - 73.3 % recovery

1418 Candu attempted core at 0528 @ 1205
no refusal, no native, will need to change core barrel so moved to 0530

0530 - C1 @ 1300
pen. 9.5 ft rec 9.5 ft - 100 % rec.

0530-C2 @ 1335
pen 1.5 ft rec. 0 - 0 % rec

0530-C3 @ 1350
pen. 7.0 ft rec. 7.3 ft - 104 %
rec. likely due to flocculant that will settle

1450 Wildu collected 0514-C3 @ 1431
pen. 6.9 ft rec. 4 ft - 58% recovery
Core operator believes they are pushing sediment plus dredged channel which may be causing poor recoveries for Wildu.

Location E. Rutherford NJ CP6 Date 9/25/13

Project / Client LPR LRC SSP2 / DM1

1520 Wildu collected 0514-G1AS @ 1503
Transporter delivers cores from station 0510 to facility. Sed. processors finish decanning liners and start on 0510 having finished 0563.

1630 Candu collected 0530-C4 @ 1450
pen. 7.0 rec. 5.6 - 80% recovery
0530-G2AS @ 1532
(G1 no recovery)
Fourth core collected to have enough material for EPA split.

1700 Cores from stations 0512 and 0514 will be IDW due to poor recoveries. Both boats are off the water. Grabs from 0512 and 0514 transferred to facility.

1945 Facility and boat staff leaving

2000 Work on daily email

2030 AECOM off site

Location E. Rutherford NJ CPG Date 9/26/13

Project / Client LPR LRC SSP2 / DMI

Onsite personnel:

Helen Jones Parry - AECOM
Paula Winchell - AECOM
Rei-Hua Wang - AECOM
Joel Meunier - AECOM
Nathan Pinske - AECOM
Teresa Watson - AECOM
Ellen Fyock - AECOM
Jen Reed - AECOM
Michele Russell - AECOM

Boat Crews:

Dion Lewis - AECOM] Candu
David Smith - AECOM
Drew Foley - AECOM] Wildu
Steve Howe - AECOM
Jason DeLorenzo - OSI] Candu
Morgan Barrett - OSI
Steve Bodak - OSI] Wildu
Jeff Pydeski - OSI
Carl Cantrell - OSI - Skiff

EPA oversight - Sean O'Hare - CDM Smith

Proposed Activities - Continue to collect + process cores / grabs

Process: 0512, 0514, 0530 from 9/25 Collect 0504, 0533, 0550, 0505

Weather: 60°F, cloudy

[signature]

Location E. Rutherford NJ CPG Date 9/26/13

Project / Client LPR LRC SSP2 / DMI

0730 AECOM facility staff on site. Boat crews on water at 0700
Nathan P. conducts health + safety meeting
Prep tent for sediment processing, decon.

0800 Start processing 0512, 0514 grabs and cores / grabs from 0530

0900 Wildu collected 0533-C1 @ 0836
pen. 10 ft, ref. 10 ft rec 9.3 ft - 93% rec.

0955 Wildu collected 0533-C2 @ 0927
pen. 10 ft (refusal) rec 9.4 ft - 94% rec.

1045 Wildu collected 0533-C3 @ 1011
pen. 10 ft (refusal + maybe native) rec 9.35 ft - 93.5% rec

Candu collected 0504-C2 @ 0855, looks native @ bottom
pen. 15 ft rec. 12.8 ft - 85% recovery

1110 Wildu collects 0533-GIAS @ 1100

[signature]

Location E. Rutherford NJ CPG Date 9/26/13

Project / Client LPR LRC SSP2 / DMI

1250 Candu collected 0504-C3 @ 1035
pen. 5.8' rec 3.5' - 60% recovery
0504-C4 @ 1150
pen. 13.8' rec 12.7' - 92%
0504-G1 @ 1200

0512 and 0514 grabs processed, ~~HRDT~~
CPG ms/msd collected on 0514
Also processed core and grab for 0530
Collected EPA splits on A, B interval
Collect CPG dup on 0530-G2

1300 Wildu collected 0550-C1 @ 1237
pen. 5.1 ft (refusal) rec 4.7ft - 91.2% rec

1425 Wildu collected 0550-C2 @ 1313
pen. 5.2' (refusal) rec 3.1' - 59.6% rec so IDW
0550-C3 @ 1359
pen. 5.7' (refusal) rec 5.5' - 97% recovery

1450 Wildu collected 0550-G1 @ 1446
Sed processors completed equipment blanks and
started on 0533. EB ID: 136-0530-C4CR @ 1345

Location E. Rutherford NJ CPG Date 9/26/13

Project / Client LPR LRC SSP2 / DMI

1510 Candu collected:
0505-C1 @ 1325
pen 7.6 ft rec 7.3 ft - 96% recovery
0505-C2 @ 1422
pen. 5.2 ft rec. 6 ft - 115% recovery
0505-G1 @ 1311
No recovery
0505-G2 @ 1312
Sean O'Hare (EPA oversight) off site

1530 Wildu at CPG dock, preparing to collect equipment blanks: 0550-~~G1XR~~ GTAR, 0550-C3XR HRDT 9/26/13

Candu waiting for tides to fit under bridge before heading to docks.

Facility staff preparing samples for shipment.

1760 Candu able to clear bridge, headed to dock.
1730 All boats off water.
1800 Last of today's sediment cores + grabs at facility. Wildu equipment blank also at facility.

Location E. Rutherford NJ CPG Date 9/26/13

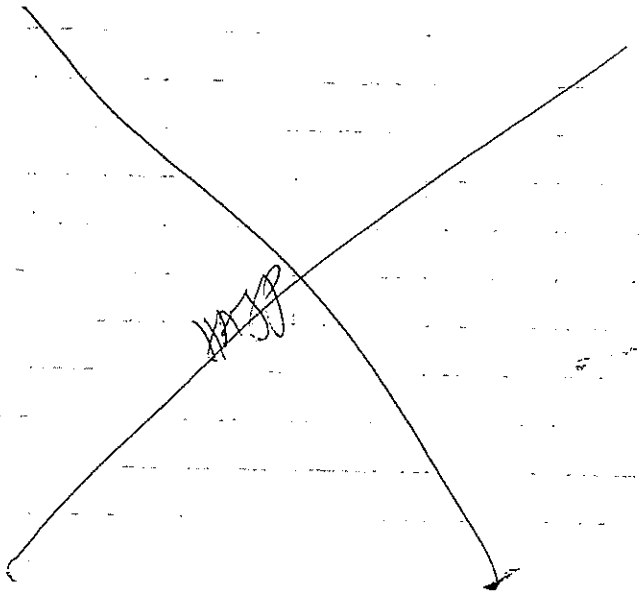
Project / Client LPR LRC SSP2 / DM1

1900 Continue processing station 0533
- collect CPG dup on A, J
- collect EPA splits on B, C

1945 All samples processed for the day.
- Clean up, prep for next day, decon.
- Shipping still packaging samples.

2030 Facility staff start leaving as tasks finished.

2100 AECOM off site.



Location E. Rutherford NJ CPG Date 9/27/13

Project / Client LPR LRC SSP2 / DM1

Onsite personnel:
- Helen Jones Parry - AECOM, field lead
- Paula Winfield, Kei-Hua Wang, Channing Hawkins - AECOM, shipping
- Nathan Pinsker - AECOM, transporter
- Teresa Watson, Ellen Fyock, Michele Russell - AECOM, tent

Boat Crews:
- Dion Lewis, David Smith - AECOM, Caindy
- Jason DeLorenzo, Morgan Barrett - OSI, Caindy
- Drew Foley, Steve Howe - AECOM, Wilda
- Steve Bodak, Jeff Rydesky - OSI, Wilda
- Carl Cantrell - OSI, Skiff

EPA oversight - Sean O'Hare (CDM Smith)

Weather: sunny 60°F

Proposed Activities: Collect cores and/or grabs from 0562, 0560, 0566, 0565, 0568. Process 0504, 0550

Location E. Rutherford NJ CRG Date 9/27/13

Project / Client LPR LRC SSP2 / DMI

0730 AECOM facility staff on site
Conduct health & safety meeting
Boat crew for Wildu on water at 0700, Candu collecting equipment blanks: BB-0505-C2XR (core)
BB-0505-G2AR (grab)
Facility staff prepping tent, bagging ice, prepping sample jars/labels
Rei departs with Carl to download Hobo data

0800 Start processing 0504
Note: Sean O'Hare on Candu

0955 Wildu collected 0565-G1 @ 0824
- grab only station located near shoreline
Only able to fill ~85% of one grab bucket so attempt more tries but no recovery.
0565 is a grab only station.

1050 Wildu moved to 0566 - core + grab station

1025 Wildu collected 0566-C1 @ 0958
pen 6.7 ft rec 4.8 ft - 71.6% recovery
to refusal/native
Candu completes equipment blanks, leaves dock.

1045 Accompany Rei to Monroe St. Bridge to download hobo data from land due to low tide

Location E. Rutherford NJ CRG Date 9/27/13

Project / Client LPR LRC SSP2 / DMI

1150 Learn that station 0566 is relatively close to seawall - advise crew to make attempt on far side of station point

1245 Wildu collected:
0566-C2 @ 1053
pen. 1.0 ft rec 0.5 ft - 50% recovery
0566-C3 @ 1111
pen. 3.7 ft rec 2.5 ft - 68% recovery
G1, G2 - no recovery
0566-G3 @ 1230

All cores from 0566 are <80% recovery so only grab will be sampled for full suite.

1310 Processing of 0504 complete
No QC samples collected. Sampled through "K" interval.

1400 Wildu collected 0568-G2 @ 1335 (grab only) and is headed back to facility dock.

Location E. Rutherford NJ CP6 Date 9/27/13

Project / Client LPR LRC SSP2/DMI

1400 Candu collected:
grab only station 0562-G1 @ 1050 and
0562-G2 @ 1120 - collected second grab due
to only filling 1 bucket with 1st attempt
Also:
0560-G1 @ 1158
0560-C1 @ 1235
pen. 6.4ft rec 6.2ft - 97% recovery
0560-C2 @ 1315
pen. 8.9ft rec 10ft - 112% recovery likely due
to flocculant created at retrieval

Candu noted to collect C3 by Sean O'Hare
for EPA splits.
Begin processing 0550
1430 Wildu off the water

1500 Wildu crew at facility with their cores/grabs.
1530 All boat crews off water.
1540 OSI off site
Sean O'Hare off site
Boat crews decontaining liners, etc.

HAPP

Location E. Rutherford NJ CP6 Date 9/27/13

Project / Client LPR LRC SSP2 / DMI

1608 Candu AECOM crew at facility
Candu collected:
0560-C3 @ 1400
pen. 6.5 rec 6.8 - 105% recovery

1655 All samples for station 0550 out to
shipping. No QC samples collected
Native material not observed in 0550
cores. Sampled intervals A through F
Not enough material in F interval to
fill all jars.

Continue to decon core liners, etc. for
boats, team staff decon equipment
and restock tents, prep samples for shipment.

1730 Wildu AECOM crew off site.
Continue prepping samples for shipment
& decontaining

1800 Empty IDW cores into 55-gal drums.
1850 All samples being shipped except grain size as
lab does not accept Saturday deliveries.
1945 AECOM off site

HAPP

Location E. Rutherford NJ CPG Date 9/30/13

Project - Client LPR LRC SSP2/DM1

Onsite personnel:

Helen Jones Parry - AECOM, field lead
Paula Winchell, Rei-Hua Wang - AECOM, shipping
Nathan Pinsker - AECOM, transporter
Teresa Watson, Ellen Fyock, Jen Reed, Michele Russell - AECOM, sediment processing
Joel Meunier - AECOM, facility

Boat Crews:

Dion Lewis, Channing Hawkins - AECOM; Candu
Jason DeLorenzo, Jeff Pydeski - OSI; Candu
Drew Foley, Steve Howe - AECOM; Wildu
Steve Bodak, Morgan Barrett - OSI; Wildu; Carl Cantrell - OSI, runner

EPA oversight: Pat Connelly - CDM Smith

Weather: 60-70°F, sunny

Proposed Activities: Collect cores and/or grabs from 0503, 0502, 0561, 0573. Process remaining grabs/cores.

Location E. Rutherford NJ CP6 Date 9/30/13

Project - Client LPR LRC SSP2/DM1

0740-0800 AECOM facility staff on site

0800 Conduct health + safety meeting
Restock tent, calibrate meters, scan previous day's paperwork.
Boat crews already on water. - Pat Connelly of CDM Smith on the Candu.
Wildu started at station 0503.
Candu started at station 0561.

0920 0562 processed, starting on 0560 — will collect EPA splits from B,C intervals.

0930 Wildu collected 0503-C1 @ 0854 (refusal)
pen. 3.5 ft rec. 3.3 ft - 94.3% recovery

0945 Wildu collected 0503-C2 @ 0932 (refusal)
pen. 2.9 ft rec 2.5 ft - 86.2% recovery
Will attempt third core for QC material.

1020 Candu collected 0561-C1 @ 0840 (refusal)
pen. 8.0 ft rec 7.7 ft - 96% recovery
0561-C2 @ 0920
pen. 9.5 ft rec. 8.7 ft - 92% recovery
0561-G3 @ 0953. (no recovery on first two grab attempts)

Location E. Rutherford NJ CPG Date 9/30/13

Project / Client LPR LRC SSP2 / DM1

1100 Wildu collected 0503-C3 @ 1006 (rehsal)
pen. 1.8 ft rec. 1.5 ft - 83% recovery
0503-G1 @ 1038
Wildu heading to station 0502 next.
Cardu heading to station 0559.

1215 Wildu collected 0502-C1 @ 1139 -1DW
pen. 8.3 ft rec. 5.7 ft - 68.7% recovery

1230 0560 is processed - EPA splits at B, C intervals contained intervals through G -

1300 Wildu collected 0502-C2 @ 1219
pen. 3.5 ft rec 2.8 ft - 80% recovery
0502-C3 @ 1246
pen. 3.3 ft, rec. 2.3 ft - 70% recovery

1310 Begin processing 0565, 0566, 0568 - all grab only stations from 9/27/13.

1400 Wildu collected 0502-G1 @ 1330
Pat Connelly at facility to observe processing.

Location E. Rutherford NJ CPG Date 9/30/13

Project / Client LPR LRC SSP2 / DM1

1500 Wildu attempted grab 0569 (grab only station) but had no recovery on all three attempts.

1515 Both boats off the water.
Pat Connelly off site.

Cardu collected:
0559-G1 @ 1150
0559-C1 @ 1138 + 1DW
pen 8 ft rec 5.9 ft - 74% recovery
0559-C2 @ 1200
pen 10.0 ft rec 9.0 ft - 90% recovery
0559-C3 @ 1308
pen 6.5 ft rec 6.5 ft - 100% recovery
0559-C4 @ 1353
pen. 9.5 ft rec 8.0 ft - 84% recovery

1545 AECOM boat crews back at facility - do paperwork, calibrate meters, decon

1650 All samples for 0505 out to shipping. 0565, 0566, 0568 complete too

Location E. Rutherford NJ CPG Date 9/30/13

Project / Client LPR LRC SSP2 / DM1

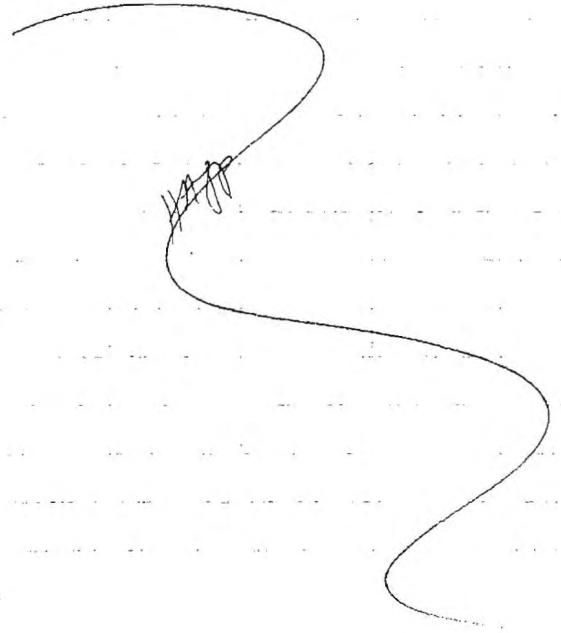
1730 Boat crews off site.
Facility staff still shipping, decon
QCing EDDs.

1840 Waiting for UPS pickup, QCing EDDs.

1945 UPS arrives - all samples out
except for grabs collected today.

2000 AECOM off site

HAJP



Location E. Rutherford NJ CPG Date 10/1/13

Project / Client LPR LRC SSP2/DM1

Onsite personnel:

Helen Jones Parry - AECOM, field lead
Paula Winchell
Rei-Hua Wang
Joel Meunier
] AECOM facility/shipping
Nathan Pinsker - AECOM, transporter
Teresa Watson
Ellen Fyock
Michele Russell
Jen Reed
] AECOM, sed. processing

Boat Crews:

Dion Lewis
Channing Hawkins
] AECOM, Candu
Jason DeLorenzo
Jeff Pydeski
] OSI, Candu
Drew Foley
Steve Howe
] AECOM, Wildu
Steve Bodak
Morgan Barnett
] OSI, Wildu
Carl Cantrell - OSI, Skiff

EPA Oversight - Pat Connelly - CDon Smith

Weather: sunny, 70°F

Objectives: Collect cores/grabs from 0507, 0501, 0572, 0573
Process cores/grabs from previous day

HAJP

Location E. Rutherford NJ CPG Date 10/1/13

Project / Client LPR LRC SSP2/DM1

0730 AECOM facility staff on site.
Boat crews on water at 0700.
Conduct health + safety meeting
Restock tent, start decon'ing core liners

0800 Begin processing 0502

0850 Wildu collected 0507-C1 @ 0818 - refusal
pen. 4.5 ft rec. 4.1 ft - 91% recovery.

0910 Wildu collected 0507-C2 @ 0853 - refusal
pen. 3.8 ft rec. 3.6 ft - 95% recovery

Candu collected 0572-C1 @ 0835 no native/refusal
pen. 8.5 ft rec. 8.0 ft - 94% recovery

0950 Processing 0559 - will collect EPA splits
from A, C and CPG MS/MSD from B

1550 Candu attempted 0572-C2 @ 0930
pen 7.0 ft rec 7.9 ft - 112% recovery
Placed in IDW because native observed ~0.1 ft bgs
Does not appear to represent station based on C1

Location E. Rutherford NJ CPG Date 10/1/13

Project / Client LPR LRC SSP2/DM1

1035 Candu collected 0572-C3 @ 1015
pen 2.9 ft rec 3.5 ft - 121% recovery
Native observed @ 0.05 ft bgs

1040 Wildu collected 0507-C3 @ 0927
pen. 3.7 ft rec 3.4 ft - 92% recovery
0507-G1 @ 0957
Wildu heading to station 0501

1105 Candu made three attempts at a grab
and all were no recovery.
Candu heading to 0573 next.

1110 Wildu collected 0501-C1 @ 1053 - native
pen. 3.2 ft, rec. 3.1 ft - 97% recovery

1155 Wildu collected 0501-C2 @ 1134
pen 4.1 ft rec 3.6 ft - 88% recovery

1210 Candu collected 0573-G3 @ 1138
↳ 50% recovery
No recovery on G1 or G2 for 0573

Location E. Rutherford NJ CPG Date 10/1/13
Project / Client LPR LRC SSP2/DM1

1305 Candu collected 0573-C1 @ 1212
pen. 9.1 ft rec 9.7ft ~107% recovery

Wildu collected 0501-C3 @ 1228
pen. 5.8 ft rec. 4.7 ft - 81% recovery

1325 Wildu collected 0501-G2 @ 1309
no recovery for G1
Wildu headed back to dock for equipment blanks

1405 Candu collected 0573-C2 @ 1308
pen 5.0 ft rec. 4.9 ft - 98% recovery
0573-C3 @ 1337
0 penetration
0573-C4 @ 1345
pen. 5.5 ft rec. 5.6 ft - 102% recovery
Note 0573-C1 observed to be entirely comprised of native material
0573-C3 had 0 penetration so C4 was advanced in same location with success

1420 Candu headed back to CPG docks

Location E. Rutherford NJ CPG Date 10/1/13
Project / Client LPR LRC SSP2/DM1

Meanwhile processing station 0503 - "A" interval will be EPA split.

1440 Wildu collecting equipment blanks:
13B-0501-G2AR (grab)
13B-0501-C3XR (core)

1510 Candu crew off water

1515 Pat Connelly off site

1610 0503 is processed - collected EPA split from A interval. Not able to fill all of "D" interval jars since secondary cores were too short.
Begin processing 0561

1640 Wildu crew back at facility having finished their equipment blanks

1710 Processed primary core for 0561 but will finish processing tomorrow.
-Continue decon / shipping

Location E. Rutherford NJ CP6 Date 10/1/13

Project / Client LPR LRC SSP2 / DMI

1730 Boat crews off site.

1740 Processing 0561-G3AS. Will process second core from 0561 tomorrow.
Continue prepping samples for shipment, decon.
QC more EDDs

1840 Sediment processors off site
Continue QCing EDDs

1945 UPS picks up samples - all samples out except for today's grabs and 0561.

1950 AECOM off site

Location E. Rutherford NJ CP6 Date 10/2/13

Project / Client LPR LRC SSP2 / DMI

Onsite personnel:

- Helen Jones Parry - AECOM, Field Lead
- Paula Winchell, Rei-Hua Wang, Joel Meunier - AECOM, Facility
- Nathan Pirtle - AECOM, transporter
- Teresa Watson, Ellen Fyock, Michele Russell - AECOM, sediment processing
- Jen Reed

Boat Crews:

- Don Lewis, Channing Hawkins - AECOM, Candy
- Jason Delorenzo, Jeff Pydeski - OSI Candy
- Drew Foley, Steve Howe - AECOM, Wilde
- Steve Bodkin, Morgan Barnett - OSI, Wilde
- Carl Cantrell - OSI, Skiff

Weather: 75°F, sunny (high is 86°F)

Objective: Collect cores/grabs from 0574, 0558, 0513, 0506
Finish processing cores/grabs from yesterday.

Location E. Rutherford NJ CP6 Date 10/2/13

Project / Client LPR LRC SSP2 / DM1

0730 AECOM facility staff on site.
Conduct health + safety meeting.
Boat crews on water at 0700.
Restock tent, prepare for processing, decon liners, calibrate meters
Pat Connelly (CDM Smith) on Candu.

0800 Finish processing station 0561

0900 Candu collected 0574-C1 @ 0825
pen. 9.5 ft rec. 8.4 ft - 88% recovery
(native inside tip)

Wildu collected 0513-C1 @ 0833
pen 9.5 ft rec. 7.5 ft - 79% recovery
no refusal, native ~6 ft.

0930 Wildu collected 0513-C2 @ 0913 (native)
pen 7.4 ft rec. 5.7 ft - 77% recovery

0945 Candu collected 0574-C2 @ 0905
pen. 10 ft rec. 8.9 ft - 89% recovery
(native at base of core)

Location E. Rutherford NJ CP6 Date 10/2/13

Project / Client LPR LRC SSP2 / DM1

1000 Wildu collected 0513-C3 @ 0943
pen. ~~6.9 ft~~ 9.4 ft unsp 10/2/13 rec. 7.1 ft - 76% recovery
native in core.
All cores from 0513 < 80% recovery so are IDW. The grab sample will be analyzed for all parameters

1030 Candu collected 0574-C3 @ 1000 (refusal)
pen. 7.8 ft rec. 6.7 ft - 86% recovery
(native in tip)

1040 Wildu collected 0513-G1 @ 1013
which will be sampled for the full suite.
Wildu heading to 0506 next.

1110 Candu collected 0574-C4 @ 1032
pen 10 ft rec. 8.1 ft - 81% recovery
(native in tip)

1135 Wildu collected 0506-C1 @ 1121
pen 2.2 ft rec. 3.0 ft - 136% recovery

1140 Completed processing 0561, 0501 - start processing 0507. Collected EPA splits from 0501 intervals B + C

Location E Rutherford NJ CPG Date 10/2/13

Project / Client LPR LRC SSP2/DMI

1145 Candu collected:
0574-G1 @ 1103 - no recovery
0574-G2 @ 1106 - only filled 1 bucket
0574-G3 @ 1120 - one bucket filled

1220 Wildu collected 0506-C2 @ 1203
pen. 3.1 ft rec. 2.8ft - 90% recovery

1310 Wildu collected 0506-C3 @ ~~1225~~ 1258 10/1/13
pen 2.2ft rec. 2.0ft - 91% recovery

1320 Candu at 0557

1400 Wildu collected 0506-G1 @ 1336

1430 Candu collected:
0557-G1 @ 1342
0557-C1 @ 1358
pen. 3.7 ft rec. 3.65ft - 99% recovery.

1500 Pat Connelly off site

1515 Wildu @ CPG dock

Location E. Rutherford NJ CPG Date 10/2/13

Project / Client LPR LRC SSP2/DMI

1525 Candu collected 0557-C2 @ 1444
pen 10 ft rec. 9.9ft - 99% recovery
native observed in C2, native in tip of C1
Wildu crew at facility - decon / prep.
0572 processed - only C1 of 3 had non-native material - processed to ~~0572~~ 10/2/13
C interval

1615 Candu crew at facility - decanning / prep for tomorrow

1730 0513 processed (grabs only), collected CPG duplicate on sulfide, nutrients

1805 Finish processing 0573
Clean up team, decon, continue preparing samples for shipment, QC. EDDs

1845 All samples ready for shipment - waiting for UPS, decanning.

1935 UPS picks up samples.

2000 AECOM off site

Location E. Rutherford NJ CP6 Date 10/3/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel:

Helen Jones Parry - AECOM, field lead
Paula Winchell, Re-Tha Wang, Joel Meunier - AECOM facility/shipping
Nathan Pinsker - AECOM, transporter
Teresa Watson, Ellen Fyock, Michele Russell, Jen Reed - AECOM, sediment processing

Boat Crews:

Dion Lewis, Channing Hawkins - AECOM, Candu
Jason Delorenzo, Jeff Pydeski - OSI, Candu
Drew Foley, Steve Howe - AECOM, Wildu
Steve Bodak, Morgan Brueth - OSI, Wildu
Carl Cantrell - OSI, Skiff

EPA oversight - Pat Connelly - CDM Smith

Weather - 65°F (high of 79°F) partly cloudy

Objective - Collect cores/grabs from 0520, 0523, 0571, 0558
Process cores/grabs from yesterday.

Happy

Location E. Rutherford NJ CP6 Date 10/3/13

Project / Client LPR LRC SSP2/DM1

0730 AECOM facility staff on site
Boat crews on water at 0630
Conduct health + safety meeting.
Restock tent, prepare for processing,
calibrate meters
Pat Connelly (CDM Smith) on Candu

0810 Candu collected 0571-C1 @ 0740
pen 9.5 ft. rec. 9.5 ft - 100% recovery
no refusal and native not observed.
Switch to 20 ft core barrel
Sediment processors collecting equipment blank:
13B-0573-C4AR @ 0805
Start processing 0574

0835 Wildu collected 0520-C1 @ 0818 - refusal
pen. 6.0 ft rec. 4.1 ft - 68% recovery - IDW

0915 Wildu collected 0520-C2 @ 0852 - refusal
pen. 6.1 ft rec. 4.6 ft - 75% recovery - IDW

0920 Candu collected 0571-C2 @ 0832
pen. 15.2 ft rec. 12 ft - 79% recovery - IDW

Happy

Location E. Rutherford NJ CPG Date 10/3/13

Project / Client LPR LRC SSP2/DMI

1000 Candu collected grabs:
0571-G1 @ 0934 - no recovery
0571-G2 @ 0938
Because they are losing water, Candu leaving station and will finish w/ 20 ft core barrel on different day.

1015 Wilda collected 0520-C3 @ 0930 -
pen 7.2ft rec 5.4 ft - 75% recovery - IDW
0520-G1 @ ~~1007~~ 10/3/13 1017
All cores from 0520 <80% recovery so will be IDW and grab will be analyzed for full suite of analytes.

1100 Candu collected 0558-G1 @ 1042

1130 Candu collected 0558-C1 @ 1116
pen. 9.8ft rec. well over 100% - material was spilling out the top of the liner so C1 will be discarded as IDW.

1150 Wilda collected 0523-C1 @ 1108
pen. 7.5 ft rec. 5.7ft - 76% recovery - IDW

Location E. Rutherford NJ CPG Date 10/3/13

Project / Client LPR LRC SSP2/DMI

1245 Wilda collected 0523-C2 @ 1231
no refusal, no native - Station 0523 will be sampled later by Candu with 20 ft core barrel. Wilda moves to 0555.

Candu collected 0558-C2 @ 1204
pen. 8.0 ft rec 7.8ft - 98% recovery

1320 Candu collected 0558-C3 @ 1250
pen. 6.5ft rec. 5.8ft - 89% recovery
Pat Connelly at the facility.

1330 0574 processed: EPA dup split on A
EPA MS/MSD split: C
CPG MS/MSD B, native
Start processing 0557

1335 Wilda checks out 0509 but is very close to utility (within 30 ft of underwater cable)
Also large fallen tree over location, shallow water 6-9 ft water @ low tide. - Office working on finding a solution for this location.
Wilda moves to 0508. collects:
0508-C1 @ 1348
pen 4.7 ft rec 2.3ft - 49% recovery - IDW

Location E. Rutherford NJ CPG Date 10/3/13

Project / Client LPR LRC SSP2/DMI

1505 Candu collected 0555-C1 @ 1434 (native) - at ~2ft
pen. 9.5 ft rec. 8.7 ft - 92% recovery
Jeff Rakowski (COM Smith on site briefly)

1515 Pat Connelly off site, Jeff. Rakowski also off site

1610 Candu collected 0555-C2 @ 1508 - refusal
pen. 6.0 ft rec. 5.5 ft - 92% recovery
0555-G1 @ 1540

1630 Begin processing 0506

1700 Both boats off water.

Wildu collected 0508-C2 @ 1420
pen. 4.6 ft rec. 2.5 ft - 54%
0508-C3 @ 1505
pen 4.7 ft rec. 3.6 ft - 76.6%
0508-G1 @ 1530 - no recovery
2°- 0508-G2 @ 1546 - filled 1/4 bucket
1°- 0508-G3 @ 1555 - filled one bucket

1815 Boat crews off site, 0506 processed.
Continue decon, prepping samples for shipment.

Location E. Rutherford NJ CPG Date 10/3/13

Project / Client LPR LRC SSP2/DMI

1900 Wait for UPS
Facility crew leaving

1935 UPS picks up samples

1945 AECOM off site

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel:

- Helen Jones Parry - AECom, Field lead
- Paula Winchell, Rei-Hua Wang, Joel Mercier — AECom facility, shipping
- Nathan Pinsker - AECom, transporter
- Teresa Watson, Ellen Fyock, Michele Russell — AECom, sediment processing
- Jen Reed

Boat Crews:

- Dion Lewis, Channing Hawkins — AECom, Candu
- Jason DeLorenzo, Jeff Rydelski — OSI, Candu
- Drew Foley, Steve Howe — AECom, Wildu
- Steve Bodak, Morgan Barnett — OSI, Wildu
- Carl Cantrell - OSI, Skiff

EPA oversight - Jeff Rakowski, CDM Smith

Weather: 65°F, partly cloudy (high of 77°F)

Objective: Collect cores/grabs from 0571, 0570, 0567, 0522, 0529. Process cores and grabs from yesterday.

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

0730 AECom facility staff on site
Boat crews on water at 0700
Conduct health + safety meeting
Restock tent, calibrate meters, prepare for sediment processing
Jeff Rakowski (CDM Smith, EPA oversight) on Candu
Rei on skiff downloading hobo data and checking out visible utilities by 0509.

0800 Begin processing 0555

0845 Wildu collects 0567-G1 @ 0811 - poor recovery
0567-G2 @ 0814
0567 is a grab only station
Wildu on 0522 (grab only) station next

0935 Candu collected 0571-C3 @ 0850
pen. 14.9ft rec. 12.4ft - 83% recovery

Wildu collected 0522-G1 @ 0854
0522 is a grab only station

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

0945 The secondary core of 0555 had native material deeper than was seen in the primary core. Because of this, a D interval was sampled in the secondary core only which consisted of material from one foot above the native material. This caused the C interval in the secondary core to be shorter. However, this C interval will be archived.

1040 Cardu collected 0571-C4 @ 1000
pen. 16.3ft rec. 13.2ft - 81% recovery
Grabs for 0571 completed 10/4/13.

Wildu collected 0529-C1 @ 1016
pen. 4.4ft rec. 3.3ft - 75% recovery - IDW

1105 Wildu collected 0529-C2 @ 1050 - refusal/native
pen. 8.2 ft rec 8.0ft - 98% recovery

1200 Wildu collected 0529-C3 @ 1144 - refusal/native
pen. 7.9 ft rec 7.8ft - 99% recovery
Cardu at dock.
1245 Completed processing 0555, started 0538.

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

1250 Jeff Rakowski (CDM Smith) at facility.
1310 Jeff Rakowski off site.
1320 Wildu collected 0529-C4 @ 1226
pen 7.2ft rec 4.0ft - 56% recovery - IDW
- A 4th core was attempted at the request of EPA oversight for split samples. Unfortunately this core had poor recovery.
0529-G1 @ 1259

Cardu collected 0570-G1 @ 1102
↳ no recovery (rock in jaw)
0570-G2 @ 1104 - no recovery
0570-G3 @ 1106 - very poor recovery
Location near boathouse at RM 12.15 - location target under new docks. Channing stated he saw rip rap being laid in area ~1 yr ago - likely part of the recovery issue.

Cardu collected equipment blanks:
Core: 13B-0571-C4XR @ 1245
Grab: 13B-0570-G3AR @ 1330

1345 Continue processing 0558, 0520, 0508

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

1400 Process 0508, 0520
~~Candu~~ Wildu HAJP 10/4/13 off water.

1425 Process 0567, 0522

1430 Candu crew completes equipment blank, heads back to the facility
Wildu crew at facility - decon, prepare for Monday.

1515 Sediment processing complete - continue prepping samples for shipment, decon, Clean up tent.

Wildu crew off site

1600 Preparing samples for shipment / QC EDDs

1745 Samples ready for shipment, most AECOM staff off site.

1840 While QCing EDDs, notice that sample 13B-0574-C2H5 was listed as "hold" on COC + EDD ~~erroneously~~ HAJP 10/4/13 erroneously. Notify Mary Kozik so she can let labs know to analyze sample
HAJP

Location E. Rutherford NJ CPG Date 10/4/13

Project / Client LPR LRC SSP2/DM1

1930 UPS picks up samples.
All samples out except grainsize
- GeoTesting Express does not accept samples on Saturdays.

1940 AECOM facility staff off site

HAJP

Location E. Rutherford NJ CPG Date 10/7/13

Project / Client LPR LRC SSP2/DM1

Onsite personnel:

Helen Jones Parry - AECOM, lead

Paula Winchell, Rei-Hua Wang, Joel Meunier — AECOM, facility, shipping

Nathan Pinsker - AECOM, transporter

Teresa Wilson, Ellen Fyock, Jen Reed, Michele Russell — AECOM, sediment processing

Boat Crews -

Dion Lewis, David Smith — AECOM, Candu

Jason DeLorenzo, Jeff Pydeski — OSI, Candu

Drew Foley, Steve Howe — AECOM, Wildlu

Steve Bodek, Morgan Barnett — OSI, Wildlu

Carl Cantrell - OSI, Skiff

EPA oversight - Pat Connelly, CDM Smith

Weather: 76°F, overcast - rain, thunder/lightning in forecast

Objective: collect cores/grabs from 0556, 0554, 0534, 0527

Process cores/grabs from Friday.

Location E. Rutherford NJ CPG Date 10/7/13

Project / Client LPR LRC SSP2/DM1

0800 AECOM facility staff on site.
Conduct health + safety meeting.
Boat crews on water at 0700.
Restock tent, prepare for sediment processing, decon lines. Pat Connelly (CDM Smith) on Candu.

0820 Accept drum shipment of 25 55-gal drums

0840 Begin processing 0570, 0571
Wildu collected 0534-C1 @ 0821 - refusal
pen. 8.9ft rec. 7.0ft - 79% recovery - IDW

0900 Wildu collected 0534-C2 @ 0850 - refusal
pen. 9.7ft rec. 8.9ft - 92% recovery

0910 Candu collected 0556-C1 @ 0842 (native)
pen. 9.5ft rec. 9.05ft - 95% recovery

0940 Wildu collected 0534-C3 @ 0931 - refusal
pen. 9.2ft rec. 7.6ft - 83% recovery

Candu collected 0556-C2 @ 0912 (native)
pen. 9.5ft rec. 9.2ft - 97% recovery

1015 Collecting EPA splits on B+C intervals from station 0571.

Location E. Rutherford NJ CPG Date 10/7/13

Project / Client LPR LRC SSP2/DM1

1020 Wildu collected 0534-G1 @ 1008

1025 Receive phonecall from Jason DeLorenzo (OSI) expressing concern about poor weather conditions - winds already high, supposed to be 30mph sustained in afternoon with chance of thunder/lightening. He is waiting to hear from his office but may call it for the day soon.

1030 Candu collected 0556-C3 @ 0945 (native) pen. 9.5ft rec. 8.3 ft - 87% recovery
0556-G1 @ 1005
- collected C3 for QC sample material

1040 OSI officially called it a day due to sustained high winds and tornado watch. Boat crews are heading back to the docks having collected one full station each.

1130 Both boats off water
Pat Connelly in facility.

1200 Boat crews decon equipment + liners.

Location E. Rutherford NJ CPG Date 10/7/13

Project / Client LPR LRC SSP2/DM1

1320 Pat Connelly off site
0571 is processed

1410 Begin processing 0529

1500 Continue processing 0529, continue liner + equipment decon, prepare samples for shipment.

1620 Boat crews off site.
Continue preparing samples for shipment, decanning, QCing EDDs
0529 complete

1650 UPS picks up all samples
- keeping 0529 samples overnight to fill SDG

1730 Most AECOM facility staff off site
Finish QCing EDDs.

1750 AECOM off site

Location E. Rutherford NJ CPG Date 10/8/13

Project / Client LPR LRC SSP2/DMI

Onsite personnel:

Helen Jones Parry - AECOM, lead
Paula Windnell
Rei-Hua Wang — AECOM, facility shipping
Joel Meunier
Nathan Pinsker - AECOM, transporter
Teresa Watson
Ellen Fyock
Jen Reed — AECOM, sediment processing
Michele Russell

Boat Crews:

Dion Lewis — AECOM, Candu
David Smith
Jason DeLorenzo — OSI, Candu
Jeff Pydeski
Drew Foley — AECOM, Wildu
Steve Howe
Steve Bodak — OSI, Wildu
Morgan Burrett
Carl Cantrell - OSI, skiff

EPA Oversight - Pat Connelly - CDM Smith

Weather - 60°F, sunny (high of 70°F)

Objective - Collect cores/grabs from 0526, 0525, 0527, 0509, 0511, 0515. Process cores/grabs from yesterday.

Location E. Rutherford NJ CPG Date 10/8/13

Project / Client LPR LRC SSP2/DMI

0730 AECOM facility staff on site
Boat crews on water at 0700
Pat Connelly on Candu.
Conduct health + safety meeting -
Restock tent, prepare for sediment processing

0810 Begin processing 0556, collect EPA split on A

0820 Wildu collected 0526-C1 @ 0758'
pen. 9.3' rec 8.7ft - 94% recovery
↳ hard refusal, native in shoe

0840 Wildu collected 0526-C2 @ 0827 - refusal/native
pen. 9.0' rec. 8.5ft - 94% recovery

0940 Wildu collected 0526-C3 @ 0915 - refusal
pen. 9.1ft rec. 6.8ft - 75% recovery - IDW
- attempted 3rd core for QC sample, material
0945 Candu collected 0511-C1 @ 0908
pen. 9.5ft rec. 8.3ft - 87% recovery

1005 Wildu collected 0526-G1 @ 0948.

Location E. Rutherford NJ CPG Date 10/8/13

Project / Client LPR LRC SSP2/DM1

1110 Candu collected 0511-C2 @ 0945 no refusal/native refusal HAGP 10/8/13
pen. 9.5ft rec. 7.65ft - 81% recovery - IDW

0511-C3 @ 1015 - refusal
pen. 8.0ft rec. 7.3ft - 91% recovery
0511-G1 @ 1050

1115 Wildu having issues with corer - check valve is malfunctioning so they are looking for new o-ring to fix it. Wildu will collect grabs while transporter gets them new o-ring.

1155 Wildu collected 0527-C1 @ 1138 refusal
pen. 3.1ft rec. 3.0ft - 97% recovery
Candu on station 0515
- Corer on Wildu fixed before they could attempt grabs so they went for core instead.
Begin processing 0534

1215 Wildu collected 0527-C2 @ 1206 refusal
pen. 2.8ft rec. 2.8ft - 100% recovery

1240 Wildu collected 0527-C3 @ 1233 refusal/native?
pen 2.6ft rec. 2.6ft - 100% recovery

HAGP

Location E. Rutherford NJ CPG Date 10/8/13

Project / Client LPR LRC SSP2/DM1

1245 Candu collected 0515-G1 @ 1216
Pat Connelly off the Candu

1350 Wildu collected 0527-C4 @ 1252 refusal
pen. 2.8ft rec. 2.7ft - 96% recovery
- Wildu collected 4 good cores to use for EPA duplicate and MS/MSD splits

1335 Wildu collected 0527-G1 @ 1314

1340 Candu collected 0515-C1 @ 1252 - native @ 2.7' HAGP 10/8/13
pen. 9.5ft rec. 8.7ft - 92% recovery

1415 Candu collected 0515-C2 @ 1348 - native @ ~2.5'
pen. 8.0ft rec. 7.2ft - 89% recovery
Wildu moving to 0532

1445 Candu done at 0515 - heading back to dock

1450 Wildu collected 0532-C1 @ 1433 (native @ 4.5')
pen 8.3ft rec. 9.5ft - 115% recovery

1500 Finish processing 0534, collected dup on A, start 0512

1525 Wildu collected 0532-C2 @ 1512 (native @ ~5')
pen. 8.3ft rec. 9.5ft - 116% recovery

HAGP

Location E. Rutherford NJ CP6 Date 10/8/13

Project / Client LPR LRC SSP2/DM1

1600 Wilde collected 0532-61 @ 1543
Pat Connelly off site @ 1530,

1610 Cauda crew back at facility - do decon

1780 Wilde crew back at facility - do decon

1800 Continue prepping samples for shipment, decon

1855 Finished processing 0511 - collect EPA split on B
Start decon, continue preparing samples for shipment

1930 UPS picks up samples - all shipped out except for 0511

1945 AECOM staff off site

Location E. Rutherford NJ CP6 Date 10/9/13

Project / Client LPR LRC SSP2/DM1

Onsite personnel:
Helen Jones Parry - AECOM, lead
Paula Winchell, Rei-Hua Wang, Joel Meunier - AECOM, facility shipping
Nathan Pinsker - AECOM, transporter
Teresa Watson, Ellen Fjeld, Jen Reed, Michele Russell - AECOM, sediment processing

Boat Crews:
Dion Lewis, David Smith - AECOM, Cauda
Jason DeLorenzo, Jeff Pydeski - OSI, Cauda
Drew Foley, Steve Howe - AECOM, Wilde
Steve Bodak, Morgan Barrett - OSI, Wilde

EPA Oversight - Pat Connelly - CDM Smith

Weather: 60°F, cloudy

Objective: Collect cores/grabs from 0528, 0523, 0521, 0524,
Process cores/grabs from yesterday.

Location E. Rutherford NJ CPG Date 10/9/13

Project / Client LPR LRC SSP2/DMI

0730 AECOM facility staff on site
Boat crews on water at 0700
Pat Connelly (COM Smith) on Candu
Conduct health + safety meeting
Restock tent, prepare for sediment processing

0825 Sediment processors collect equipment blank
13B-0511-C1GR, then begin processing
station 0527. - will collect EPA dup + MS/MSD splits

0855 Wildu collected 0521-C1 @ 0834 - refusal
pen. 9.5ft rec. 7.9ft - 83% recovery

0930 Wildu collected 0521-C2 @ 0915 - refusal
pen. 8.7ft rec. 8.4ft - 97% recovery
- will attempt 3rd core for QC

1000 Wildu collected 0521-C3 @ 0951 - refusal
pen. 8.4ft rec. 7.5ft - 89% recovery

Candu collected 0528-C2 @ 0915 - refusal
pen. 17.2ft rec. 11.8ft - 68% recovery - IDW
- station 0528 is using the 20 ft corebarrell

Location E. Rutherford NJ CPG Date 10/9/13

Project / Client LPR LRC SSP2/DMI

1030 Wildu collected 0521-G1 @ 1030

1110 Candu collected 0528-C3 @ 1035
pen. 12.0ft rec 11.6ft - 97% recovery

Begin processing 0515

1130 Wildu collected 0524-C1 @ 1122 - refusal
pen. 7.8ft rec. 6.7ft - 86% recovery

1200 Wildu collected 0524-C2 @ 1151 - refusal
pen. 3.9ft rec. 1.3ft - 33% - IDW

1210 Candu collected 0528-G1 @ 1152
↳ over recovery so did not sample
0528-G2 @ 1156

1230 Wildu collected 0524-C3 @ 1212
pen. 7.4ft rec. 5.6ft - 76% recovery - IDW

1250 Pat Connelly (COM Smith) at facility.

1315 Wildu collected 0524-G1 @ 1257

Location E. Rutherford NJ CPG Date 10/9/13

Project / Client LPR LRC SSP2/DM1

1345 Candu collected 0528-C4 @ 1211 - native
pen. 14.6 ft rec. 16.8 ft - 115% recovery

1350 Begin processing 0526

1405 Wildu collected 0525-C1 @ 1343
pen. 8.9 ft rec. 8.3 ft - 93% recovery

1408 Receive call from Dion Lewis saying they found a sign ~40 ft S/SW of station 0523 that says. NAum 991.6060 Pipeline Crossing This sign is too close to station to safely core without finding out more information. Attempt to learn more, notify Doug Simmons while OSI works on finding more information

1450 Learn that sign is for "Transco Pipeline" managed by North Arlington Utility Management. OSI has call into the manager. Meanwhile the Candu is moving to station 0516.
Pat Connelly off site. @ 1500
Wildu collected 0525-C2 @ ~~1343~~ 1423 HAGF 10/9/13 - refusal
pen 9.1 ft rec. 7.6 ft - 84% recovery

HAGF

Location E. Rutherford NJ CPG Date 10/9/13

Project / Client LPR LRC SSP2/DM1

1550 Wildu collected 0525-G1 @ 1458

1610 Candu collected 0516-G1 @ 1515
↳ no recovery
0516-G2 @ 1518
0516-C1 @ 1550
pen. 10.0 ft rec 9.9 ft - 99% recovery
↳ did not hit native or refusal so will revisit tomorrow with 20 ft core barrels

1640 Wildu crew back at facility
Candu on way back to CPG dock.

1710 Finished processing 0526

1740 Candu off water
Note: Collected MS/MSD on sulfide and nutrients in 0526-G1.
Continue prepping samples for shipment, decon, QC EDDs.

1745 Boat crews off site except Dion Lewis

1930 UPS picked up samples (all but 0526)

1945 AECOM off site

HAGF

Location E. Rutherford NJ CPG Date 10/10/13

Project / Client LPR LRC SSP2/DM1

Onsite personnel:

Helen Jones Parry - AECOM, lead

Paula Winchell, Rei-Hua Wang, Channing Hawkins - AECOM, facility shipping

Nathan Pinsker - AECOM, transporter

Teresa Watson, Ellen Fyock, Jen Reed, Michele Russell - AECOM, sediment processing

Boat Crews:

Dion Lewis, David Smith - AECOM, Candu

Jason Delorenzo, Jeff Rydelski - OSI, Candu

Drew Foley, Steve Howe - AECOM, Wildu

Steve Bodale, Morgan Barnett - OSI, Wildu

Carl Cantrell - OSI, Skiff

EPA Oversight - Sean O'Hare - CDM Smith

Weather: 60° F, overcast, rain in forecast

Objective: Collect grabs/cores from 0516, 0517, 0531, 0536

Process cores/grabs from yesterday.

HHJP

Location E. Rutherford NJ CPG Date 10/10/13

Project / Client LPR LRC SSP2/DM1

0730 AECOM facility staff on site
Candu crew on water at 0715
Wildu crew completing equipment blank before heading to first station
Conduct health + safety meeting
Restock tent, prepare for sediment processing
Sean O'Hare (CDM Smith) on Candu

0800 Wildu crew heads to dock to do grab equipment blank
Start processing 0532

0980 Wildu en route to first station

1025 Candu collected 0516-C2 @ 0930
pen 13.4ft rec 13.6ft - 101% recovery
↳ observed native in bottom 0.3ft of core

1030 Wildu collected 0536-C1 @ 1008 - refusal
pen 7.3ft rec 5.9ft - 81% recovery

1050 Wildu collected 0536-C2 @ 1041 - refusal
pen 6.6ft rec 4.2ft - 64% recovery - DW

HHJP

Location E. Rutherford NJ CP6 Date 10/10/13

Project / Client LPR LRC SSP2/DM1

Note: Wildu collected equipment blanks:
13B-0525-G1AR @ 0820 (grab)
13B-0525-C2XR @ 0712 (core)

1120 Wildu collected 0536-C3 @ 1107
pen. 2.2ft rec. 2.5ft - 114% recovery

1140 Candu collected 0516-C3 @ 1100 - refusal
pen. 12.3ft rec. 12.6ft - 102% recovery
→ observed fine red native in tip.
Note 0516 cores from today used the 20ft core barrel.

1150 Wildu collected 0536-G1 @ 1146

1210 Candu at station 0518

1230 Finished processing 0532, 0521
Collected EPA splits on A and C on 0521

1250 Candu collected 0518-C1 @ 1215
pen. 18.0ft rec. 11.6 ft - 64% recovery - IDW
- did not reach refusal, observe transitional to native material toward bottom of core.

HA/JP

Location E. Rutherford NJ CP6 Date 10/10/13

Project / Client LPR LRC SSP2/DM1

1300 Wildu collected 0535-C1 @ 1247
pen. 3.7ft rec. 2.9ft - 78% recovery - IDW

1315 Start processing 0524
Sean O'Hare in facility, Jeff Rakowski also here

1400 Candu collected 0518-C2 @ 1325
pen. 19.6 ft rec. 12.3 ft - 63% recovery - IDW
Top ½ foot is black, rest appears to be coarse red sand.

1410 Wildu collected 0535-C2 @ 1352 - native
pen. 5.0 ft rec. 4.5 ft - 90% recovery

1430 Wildu collected 0535-C3 @ 1420 - native
pen. 4.6 ft rec. 5.0 ft - 109% recovery

1530 Wildu collected 0535-G1 @ 1509

Currently processing 0528.

1550 Candu collected 0518-C3 @ 1420
pen 19.2 ft rec. 11.9 ft - 62% recovery - IDW
0518-G1 @ 1505

HA/JP

Location E Rutherford NJ CPG Date 10/10/13

Project / Client LPR LRC SSP2 | DMI

1610 Wildu back at CPG dock, Candu en route still - stuck at DeJesse Bridge

1700 Candu able to travel past DeJesse Bridge

1710 Wildu crew back at facility. Sean O'Hare, Jeff Rakowski (CDM Smith) off site.

1740 Candu back at CPG dock

1755 Candu crew at facility

1800 Wildu crew off site.

1840 Candu crew off site.

- Facility crew still prepping samples for shipment, emptying IDW cores, processing 0528.

All samples shipped at 1630 except for 0528

1950 most of facility crew off site.

2000 AECOM off site

HAPP

Location E Rutherford NJ CPG Date 10/11/13

Project / Client LPR LRC SSP2/DMI

Onsite Personnel:

- Helen Jones Parry - AECOM, lead
- Paula Winchell, Rei-Hua Wang, Channing Hackins - AECOM - facility shipping
- Nathan Pinsker - AECOM, transporter
- Teresa Watson, Ellen Fyock, Michele Russell, Jen Reed - AECOM, sediment processing

Boat Crew:

- Dion Lewis, David Smith - AECOM, Candu
- Jason DeLorenzo, Morgan Barnett - OSI, Candu
- Drew Foley, Steve Howe - AECOM, Wildu
- Steve Bodaki, Jeff Rydeski - OSI, Wildu
- Carl Cantrell - OSI, Skiff

EPA Oversight - Sean O'Hare - CDM Smith

Weather: 68°F, overcast, occasional showers.

Objective: Collect grabs/cores from 0541, 0542, 0545, 0545

Process grabs/cores from previous days.

HAPP

Location E. Rutherford NJ CP6 Date 10/11/13

Project / Client LPR LRC SSP2/DM1

0700 AECOM facility staff on site.
Wildu crew on the water, Candu crew collecting an equipment blank:
13B-0518-G1AR @ 0730, 13B-0516-C3XR @ 0702
(grab) (core)
Conduct health + safety meeting.
Restock tent, prepare for sediment processing.

0740 Begin processing 0518 and 0516
↳ collect CP6 dup on 0518 G1AS

0810 Res-Hua Wang + Nathan Pinder travel to Hobo locations to download data.

0845 Candu on water

0915 Wildu collected 0517-C1 @ 0853 - no refusal, no native
pen. 9.5 ft rec 3.5 ft - 37% recovery
↳ no refusal or native so leave for Candu /20 ft barrel

0950 Sean O'Hare on site at facility.

1015 Wildu collected 0519-C1 @ 0951 - no refusal/no native
pen. 9.8 ft rec. 8.9 ft - 91% recovery
↳ Requires 20 ft core barrel so leaving for Candu
Sean O'Hare heads to dock for ride to Candu.

Location E. Rutherford NJ CP6 Date 10/11/13

Project / Client LPR LRC SSP2/DM1

1055 Wildu having difficulty anchoring at station 0531 due to wind and current (too deep to spud) so are moving to 0545
Hobo data download complete

1120 Candu collected 0541-C1 @ 1040 - refusal/native
pen 8.9 ft rec. 7.3 ft - 82% recovery

1140 Wildu collected 0545-C1 @ 1130 - refusal
pen 5.1 ft rec. 3.5 ft - 59% recovery - 1DW

Candu collected 0541-C2 @ 1120
pen. 3.0 ft rec. 3.6 ft - 120% recovery

1220 Wildu collected 0545-C3 @ 1209 - refusal
pen. 3.7 ft rec. 2.5 ft - 68% recovery - 1DW
0545-C2 @ 1148 - refusal
pen. 4.8 ft rec. 2.7 ft - 56% recovery - 1DW

Candu collected 0541-G1 @ 1150

1300 Wildu attempted three grabs at 0545 and all had poor recovery
Also begin processing 0525

Location E. Rutherford NJ CRC Date 10/11/13

Project / Client LPR LRC SSP2/DM1

1350 Cardn collected 0542-G1 @ 1302
0542-C1 @ 1340 - IDW
pen 9.5ft, over-recovered - sediment pushed out through check valve

1400 Wildn collected 0543-C1 @ 1342 - refusal
pen. 6.8ft rec. 5.3ft - 78% recovery - IDW

1420 Wildn collected 0543-C2 @ 1407 - refusal
pen. 7.7ft rec. 4.4ft - 57% recovery - IDW

Cardn collected 0542-C2 @ 1400 - native/refusal
pen. 9.0ft rec. 8.3ft - 92% recovery

1440 Wildn collected 0543-C3 @ 1428 - refusal
pen. 3.5ft rec. 2.4ft - 69% recovery - IDW

1525 Wildn collected 0543-G1 @ 1455 - refusal 10/11/13
Cardn collected 0542-C3 @ 1455 - refusal
pen. 6.9ft rec. 7.6ft - 110% recovery
Boats headed back to dock.

1540 start processing 0536.

KAPP

Location E. Rutherford NJ CRC Date 10/11/13

Project / Client LPR LRC SSP2/DM1

1650 Wildn crew back at facility

1695 Cardn crew back at facility
Continue sample processing, prepping for shipment, decon

1710 Wildn crew off site
Sean O'Hare off site

1805 Processing complete.
Cardn crew off site
Continue prepping samples for shipment, decon.

1850 Most of facility staff off site

1925 UPS arrives to pick up samples
QC EDDs, wrap up paperwork.

2500 AECOM off site

KAPP

Location E. Rutherford NJ CPG Date 10/14/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel:

Helen Jones Parry - AECOM, field lead

Paula Windnell, Rei-Hua Wang, Joel Meunier - AECOM - facility, shipping

Nathan Pinskey - AECOM, transporter

Teresa Watson, Ellen Fyock, Jen Reed, Michele Russell - AECOM, sediment processing

Boat Crews:

Dion Lecois, David Smith - AECOM, Candu

Jason Delorenzo, Joe Pegnatero - OSI, Candu

Drew Foley, Steve Howe - AECOM, Wildu

Jeff Pydelski, Morgan Barnett - OSI, Wildu

Carl Cantrell - OSI, Skiff

EPA oversight: Ben Hammond - CDR Smith

Weather: 60°F, sunny

Objective: Collect cores/grabs from 0509, 0531, 0554, . Finish processing cores/grabs from previous days.

HASP

Location E. Rutherford NJ CPG Date 10/14/13

Project / Client LPR LRC SSP2/DM1

0700 Helen Jones Parry (AECOM) on site to discuss schedule with OSI

0710 Wildu underway, Candu readying for departure.

0730 Candu leaving docks, Ben Hammond on board.

0800 All AECOM facility staff on site. Conduct health + safety meeting. Restock tent, prepare for sediment processing. Dispose of IDW core liners into drum

0835 Start processing 0535

0900 Wildu collected 0531-C1 @ 0848 - refusal pen. 3.0 ft rec. 2.6 ft - 87% recovery

0930 Candu checked out 0548, 0549 - both too shallow for lower tide, trying 0554

0945 Wildu collected 0531-C2 @ 0921 - native/refusal pen 7.5 ft rec. 7.9 ft - 105% recovery. Lo bottom 4ft of core appears to be native

HASP

Location E. Rutherford NJ CP6 Date 10/14/13

Project / Client LPR LRC SSP2/DM1

1015 Candu collected 0554-C1 @ 0945 - native
pen. 9.5 ft rec. 9.0 ft - 95% recovery

1030 Wildu collected 0531-C3 @ 1006 - native / refusal
pen. 8.4 ft rec. 9.6 ft - 114% recovery

1050 Candu collected 0554-C2 @ 1030 - refusal
pen. 9.0 ft, rec 6.3 ft - 70% recovery - IDW

1130 Wildu collected 0531-G1 @ 1109

1210 Candu collected 0554-C3 @ 1142 - no refusal or native
pen 9.0 ft, rec. 7.6 ft - 84% recovery
↳ Since no refusal or native, this core is IDW.
Switching to 20 ft core barrel.

1220 Wildu collected 0509-C1 @ 1154 - refusal
pen 5.4 ft rec. 4.6 ft - 85% recovery

1305 Candu collected 0554-G1 @ 1235
↳ very poor recovery
0554-G2 @ 1240

Location E. Rutherford NJ CP6 Date 10/14/13

Project / Client LPR LRC SSP2/DM1

1355 Wildu collected 0509-C2 @ 1335 - refusal
pen. 6.4 ft rec 5.3 ft - 83% recovery
Processed 0535, 0542, start 0541.

1415 Candu collected 0554-C4 @ 1255 - native / refusal
pen 18 ft rec. 14.7 ft - 81% recovery
↳ hit native at ~5.5 ft so will use as secondary core to C1 which had native at similar location according to boat crews.

Candu crew still servicing core and needs to clean up from grabs collecting so not

1525 Wildu attempted three grabs at 0509 and had no recovery for all three:
0509-G1 @ 1458, G2 @ 1508, G3 @ 1511

1550 Candu off water

1620 Candu crew in facility, processing complete
Wildu off water; heading back to facility.

1730 Load up remaining sample coolers to take to UPS
Ben Hammond left @ 1650 WMS 10/14/13 1750.
Most facility staff, all boat staff off site @ 1730-1740

1830 AECOM off site

Location E. Rutherford NJ CPG Date 10/15/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel:

Helen Jones Parry - AECOM, field lead
Paula Winchell
Rei-Hua Wang / Rick Rudy — AECOM, facility, shipping
Joel Meunier
Nathan Pinder - AECOM, transporter
Teresa Watson
Ellen Fyan
Michele Russell — AECOM, sediment processing
Jen Reed

Boat Crews:

Dion Lewis
David Smith — AECOM, Camden
Jason Delorenzo
Joe Pegnataro — OSI, Camden
Drew Foley
Steve Howe — AECOM, Wilde
Jeff Rydzki
Morgan Barnett — OSI, Wilde
Carl Cantrell - OSI, Skiff

EPA oversight - Sean O'Hare - CDM Smith

Weather: 60°F, sunny

Objective: Check out Third River w/ Wilde, collect cores/grabs from 0540, 0541, 0537, 0538. Process cores/grabs from 10/14.

HASP

Location E. Rutherford NJ CPG Date 10/15/13

Project / Client LPR LRC SSP2/DM1

0730 AECOM facility staff on site
Boat crews on water at 0700
Conduct health + safety meeting
Sean O'Hare (CDM Smith) on Camden.
Restock tent, prepare for sediment processing

0815 Begin processing 0531
Wilde on location 0576 in Third River trying to core with Lexan liner system.
Sean O'Hare off site briefly

0835 Wilde collected 0576-C1 @ 0813 - refusal
pen. 4.7ft rec. 3.2ft - 68% recovery - 1DW

0855 Wilde collected 0576-C2 @ 0844 - refusal
pen. 4.5ft rec 3.1ft - 69% recovery - 1DW

0915 Camden collected 0540-C1 @ 0900
pen. 9.5ft rec 9.5ft - 100% recovery
- no refusal / no native so switching to 20ft core barrel
- H. Jones Parry head out on skiff to Third River at 0911 10/15/13

0920 Wilde collected 0576-C3 @ 0909 - refusal
pen 3.3ft rec. 0.9ft - 27% recovery - 1DW
- poor recovery on all cores so grab only

HASP

Location E. Rutherford NJ CP6 Date 10/15/13

Project / Client LPR LRC SSP2/DM1

0940 Catch end of grab sampling at Third River station 0576

Wildu collected 0576-G3 @ 0940

↳ only able to fill 1 bucket, G1 and G2 had no recovery: G1 @ 0924 (0924 10/15/13), G2 @ 0939

1015 Candu collected 0540-G1 @ 0924

↳ over-recovered, rejected

0540-G2 @ 0926

1020 Candu collected 0540-C2 @ 1005 - IDW

pen. 19ft, over recovered - sediment came out top

native @ ~11ft

1100 Return to CP6 dock - Sean O'Hare catches Skiff to Candu to observe coring

1135 Wildu collected 0538-C1 @ 1110 - native/refusal

pen 8.5ft rec. 9.3ft - 109% recovery - IDW, see later note

↳ native observed at ~2.5ft

1215 Candu collected 0540-C3 @ 1105 - native/refusal

pen. 15.0ft rec. 16.2ft - 108% recovery

Location E. Rutherford NJ CP6 Date 10/15/13

Project / Client LPR LRC SSP2/DM1

1255 Rick Purdy at facility to take over for Rei in facility.

1315 Candu collected 0540-C4 @ 1305

pen - 15.5ft rec 16.3ft - 105% recovery

1330 Wildu collected 0538-C2 @ 1304

pen. 5.4ft rec. 5.9ft - 109% recovery

↳ native observed at <1ft

Note that 0538-C1 is IDW because material was observed pouring out of check valve.

1415 Wildu collected 0538-C3 @ 1355 - native/refusal

pen 7.2ft rec. 7.0ft - 97% recovery

Station 0538 is near stormwater outfall which may be changing morphology of sediments

Native observed @ ~5.9ft in C3.

Candu waiting for enough water to remove Core C4 from core barrel (20ft core barrel)

1510 Wildu collected 0538-G1 @ 1456

1530 Candu at CP6 dock.

Location E. Rutherford NJ CPG Date 10/15/13

Project / Client LPR LRC SSP2/DM1

1600 Wilds at CPG dock.
Cardn crew at facility
Sean O'Hare at Facility
1620 Wilds crew at Facility
~~Finished processing~~ 10/15/13
Boat crews prepping for next day
Finished processing 0509, process 0576 grab

1640 Cardn crew off site

1700 Sean O'Hare off site.
Continue decon, preparing samples for shipment

QC collected today:
Collected last EPA split - 0531-CS
CPG dup: 0531-AS
CPG ms/msd: 0531-BS, 0554-AS

1725 Wilds crew off site, Continue prepping samples.

1830 Bring coolers to UPS
Prep jars for morning
1900 AECOM off site

HASP

Location E. Rutherford NJ CPG Date 10/16/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel: (AECOM)
Helen Jones Parry - field lead
Paula Winchell, Rick Purdy, Joel Meunier - facility, shipping
Nathan Pinder - transporter
Teresa Watson, Paul Kaeth, Ellen Fysch, Jen Reed, Michele Russell - sediment processing

Boat Crews:
Dion Lewis, David Smith - AECOM, Cardn
Jason DeLorenzo, Joe Pegnataro - OSI, Cardn
Drew Foley, Steve Howe - AECOM, Wilds
Jeff Pydelski, Morgan Barnett - OSI, Wilds
Carl Cambell - OSI, Skiff
EPA Oversight - Sean O'Hare - CDM Smith
Weather: Sunny, 66°F
Objective: Collect cores/grabs from 0539, 0544, 0553, 0537
Process previously collected cores/grabs.

HASP

Location E. Rutherford NJ CPG Date 10/16/13

Project / Client LPR LRC SSP2/DM1

0730 AECOM facility staff on site.
Boat crews on water at 0700
Conduct health + safety meeting.
Sean O'Hare (CDM Smith) on Candu
Restock tent, prepare for sediment processing
Teresa + sed. processing team bring Paul K.
up to speed on tasks.

0800 Begin processing 0540
Discuss possible moving of station 0523
based on "pipeline crossing" sign and "pipeline
area" on nav. charts. Waiting to hear how
this station should be handled - will likely
sample next week if possible to collect cores
safely.

0900 Wildu collected 0553-C1 @ 0841 - refusal
pen. 3.3ft rec. 2.9ft - 88% recovery.

0945 Wildu collected 0553-C2 @ 0917 - refusal
pen. 3.9ft rec. 3.4ft - 87% recovery

HAJP

Location E. Rutherford NJ CPG Date 10/16/13

Project / Client LPR LRC SSP2/DM1

0946 Candu collected 0539-C1 @ 0935
pen. 9.8ft, over recovered - sediment
coming out of check valve

1030 Candu collected 0539-C2 @ 1008 - native/refusal
pen. 8.5ft rec. 8.1ft - 95% recovery

1035 Wildu collected 0553-C3 @ 1027 - refusal
pen. 3.5ft rec. 2.5ft - 71% recovery - 10W
vs 3rd core collected for QC samples but
rejected due to poor recovery.

1135 Candu collected:
0539-C3 @ 1040 - native
pen. 9.0ft rec. 9.0ft - 100% recovery
0539-G1 @ 1102 - poor recovery - rejected
0539-G2 @ 1105

1140 Wildu collected 0553-G2 @ 1113
no recovery for G1 @ 1110

1240 Finish processing 0540, start processing 0538

HAJP

Location E. Rutherford NJ CPG Date 10/16/13

Project / Client LPR LRC SSP2/DMI

1300 Wildn collected 0537-C1 @ 1238 - native/refusal
pen. 6.1 ft rec 8.2 ft - 134% recovery - IDW

1355 Wildn collected 0537-C2 @ 1340 - native/refusal
pen. 3.4 ft rec 3.7 ft - 109% recovery

1420 Candn collected 0544-G1 @ 1325 ~~FE~~ HAJP 10/16/13
0544-C1 @ 1400 - refusal
pen 5.2 ft rec. 4.6 ft - 89% recovery

1440 Wildn collected 0537-C3 @ 1427 - native/refusal
pen. 2.5 ft rec 2.3 ft - 92% recovery

1500 Sean O'Hare at facility w/ Jeff Rakowski
to ship their remaining split samples

1525 Wildn collected 0537-G1 @ 1505 - poor recovery
HAJP 10/16/13
0537-G2 @ 1508 - filled one bucket
HAJP 10/16/13

1600 Wildn crew off the water.
Candn collected 0544-C2 @ 1442 - refusal
pen. 4.3 ft rec. 4.2 ft - 98% recovery
Candn crew at the dock

HAJP

Location E. Rutherford NJ CPG Date 10/16/13

Project / Client LPR LRC SSP2/DMI

1630 Boat crews at facility
Decon equipment

1700 Sean O'Hare off site along with
Jeff Rakowski

1730 Finish processing 0553, finished 0538 in
mid-afternoon.
Continue prepping samples for shipment,
decon, calibrate meters, QC EDPs

1830 Most staff off site
Continue prepping coolers for shipment
Wait for UPS pickup.

1930 UPS picked up coolers.

1945 AECOM off site

HAJP

Location E. Rutherford NJ CPG Date 10/17/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel: (AECOM)

Helen Jones Parry - field lead

Paula Winchell
Rick Purdy
Joel Meunier
} - facility, shipping

Nathan Pinker - transporter

Paul Kaneth
Ellen Fyock
Jen Reed
Michele Russell
} sediment processing

Boat Crews:

Dion Lewis
David Smith
} AECOM, Camden

Jason DeLorenzo
Joe Pegnatelo
} OSI, Camden

Drew Foley
Store Howe
} AECOM, Wilden

Jeff Pydeski
Morgan Barrett
} OSI, Wilden

Carl Cantrell - OSI, Skimmer / Skiff

EPA oversight - Sean O'Hare - CDM Smith

Weather - overcast to sunny, 75°F

Objective: Collect cores/grabs from 0575, 0549, 0552.
Process cores/grabs from yesterday.

Location E. Rutherford NJ CPG NJ Date 10/17/13

Project / Client LPR LRC SSP2/DM1

0800 AECOM facility staff on site
Boats on water @ 0760
Conduct health + safety meeting
Sean O'Hare on Camden
Restock tent, prepare for sediment processing

0840 Begin processing 0539

0845 Wilden collected 0575-C1 @ 0831 - refusal pen 3.4ft rec. 2.8ft - 82% recovery

0850 Depart on the skimmer with Nathan Pinker to check out stilling wells' sturdiness and potential need for re-surveying.

0940 Pathmark Bulkhead (by car wash) stilling well is secure. The bottom bracket is missing so Nathan will replace it tomorrow. Top of stilling well in line with mark at top of bulkhead.

Location E. Rutherford NJ CPG Date 10/17/13

Project / Client LPR LRC SSP2/DMI

0950 Candu collected 0549-C1 @ 0905 - refusal
pen. 3.8 ft rec 2.8ft - 73% recovery - IDW
0549-C2 @ 0925 - refusal
pen. 3.2 ft rec 3.5ft - 109% recovery

Wildu collected 0575-C2 @ 0937 - refusal
pen. 4.9 ft rec. 2.4ft - 49% recovery - IDW

1002 Rt 7. Bridge stilling well is secure
Nail at top denotes it is in correct location
still.

1015 At DeJesse bridge - stilling well is sturdy
and well secured but nail @ top is to the
side slightly instead of directly over well.
One bracket is also clearly new compared
to the other - difficult to tell whether
stilling well has moved.

1030 Wildu collected 0575-C3 @ 1010
pen. 5.9 ft rec. 3.6ft - 61% recovery

At Rt 3 Bridge - stilling well is newer and not surveyed
No nail at top. Actually a rail bridge downstream of Rt 3

Location E. Rutherford NJ CPG Date 10/17/13

Project / Client LPR LRC SSP2/DMI

(cont'd) stilling well is secure. located at
RM 11.68. Stilling well not on Rt 3
bridge because that bridge is under
construction.

1109 Wildu collected 0575-C4 @ 1047 - refusal
pen. 6.1 ft rec 5.8 ft - 95% recovery

Candu collected 0549-C3 @ 1012 - native in tip
pen. 3.3ft rec 3.4ft - 103% recovery
0549-G1 @ 1058

1130 At RM 12.9 (Union Ave) stilling well -
We repaired this well - bottom bracket beat off
and stilling well was at angle. Currently
very secure. Paint marking at top - it's
possible stilling well sank slightly but is hard
to tell.

1140 Wildu collected 0575-G1 @ 1135
Back at CPG dock.
Start processing 0537.
1300 Wildu back at dock to collect
core + grab equipment blanks.

Location E. Rutherford NJ CPG Date 10/17/13

Project / Client LPR LRC SSP2/DM1

1345 Start processing 0544

1400 Candy collected 0552-C1 @ 1330 - native/refusal
pen. 5.8ft rec. 6.1ft - 105% recovery

1435 Candy collected 0552-C2 @ 1408 - native @ base
pen. 6.0ft rec. 6.5ft - 108% recovery

1530 Wilder finished equipment blanks:
13B-0575-C4XR (core) @ 1336
13B-0575-G1AR (grab) @ 1422

1540 Sean O'Hare at facility, Wilder crew off site.
1600 Sean O'Hare off site.
1610 Finish processing 0544. - decon equipment

1620 Candy off the water, they collected:
0552-C3 @ 1500 - native @ base / refusal
pen. 4.9ft rec 4.6ft - 94% recovery
0552-G1 @ 1200 - over-penetrated, rejected
0552-G2 @ 1204

Continue prepping samples for shipment, decon.

HHF

Location E. Rutherford NJ CPG Date 10/17/13

Project / Client LPR LRC SSP2/DM1

1750 Coders ready for shipment - taking them to UPS.

QC EDDs

1830 AECOM off site

HHF

Location E. Rutherford NJ CPG Date 10/18/13

Project / Client LPR LRC SSP2/DMI

Onsite Personnel: (AECOM)

Helen Jones Parry - field lead

Paula Winchell] facility, shipping
Rick Purdy]
Joel Meunier]

Nathan Pinsker - transporter

Paul Kareth] sediment processing
Ellen Fyock]
Jen Reed]
Michele Russell]

Boat Crews:

Dion Lewis] AECOM, Candu
David Smith]

Jason DeLorenzo] OSI, Candu
Joe Pegnatero

Drew Foley] AECOM, Wildu
Steve Howe]

Jeff Pydeski] OSI, Wildu
Morgan Barrett]

Carl Cantrell - OSI, Skimmer

EPA Oversight - Sean O'Hare - CDM Smith

Weather - sunny, 66°F

Objectives - Collect cores/grabs from 0577, 0548
Process cores/grabs from yesterday

HAJP

Location E. Rutherford NJ CPG Date 10/18/13

Project / Client LPR LRC SSP2/DMI

0650 Helen Jones Parry on site on Candu
D. Lewis conducts health + safety meeting
Wildu on water
Prep Candu,

0740 Sean O'Hare (CDM Smith) on Candu
Leave for station 0548

0810 Wildu collected 0577-C1 @ 0752
pen. 5.8 ft rec 3.2 ft - 55% recovery - IDW

0845 Candu anchor lines set

Wildu collected 0577-C2 @ 0833
pen. 4.7 ft rec. 2.8 ft - 60% recovery - IDW

Facility staff on site at 0730
- prepare for sediment processing
Begin processing 0552

0910 Wildu collected 0577-C3 @ 0858
pen. 7.1 ft rec 3.5 ft - 49% recovery - IDW
Wildu will attempt C4 to try to obtain good core.

HAJP

Location E. Rutherford NJ CPG Date 10/18/13

Project / Client LPR LRC SSR2/DMI

0915 Candu collected 0548-C1 @ 0905 - refusal
pen. 8.8 ft rec 8.75 ft - 99% recovery

0955 Candu collected 0548-C2 @ 0955 - refusal
pen. 8.7 ft rec. 8.5 ft - 98% recovery
Wildu collected 0577-C4 @ 0916 - pen. 4.5', rec 2.0' - 44% - IDW
Wildu collected 0577-G1 @ 0934
0577 had poor recoveries on all cores so
is a grab only station.

1030 Candu collected 0548-C3 @ 1025 - refusal
pen. 8.8 ft rec. 8.4 ft - 95% recovery
- collected third core for QC samples

1050 Candu collected 0548-G1 @ 1050

1110 Clean up, decon, transit back to dock

1200 Arrive at CPG dock - Candu crew
will collect equipment blank.

Wildu off water at 1115.

Location E. Rutherford NJ CPG Date 10/18/13

Project / Client LPR LRC SSR2/DMI

1400 Candu collected equipment blanks:
13B-0548-G1AR (grab) @ 1245
13B-0548-C3XR (core) @ 1330

Sean O'Hare at facility

1415 Sean O'Hare off site
Wildu crew off site @ 1330

1430 Finish processing 0575, start grab only
0577

1500 Finish processing 0577
Decon, prepare samples for shipment

1650 10/18/13

1650 UPS picks up sample cooler - all
went out except grain size which the lab
does not accept on Saturdays

1640 Most facility crew off site.

1700 AECOM off site

Location E Rutherford NJ CPG Date 10/21/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel: (AECOM)
Helen Jones Parry - field lead
Rich Purdy] - facility, shipping
Joel Meunier]
Nathan Pinsker - transporter
Paul Kareth] - sediment processing
Ellen Fysch]
Jen Reed]

Boat Crews:
Dion Lewis] AECOM, Candu
David Smith]
Jason DeLorenzo] OSI, Candu
Morgan Barrett]
Jeff Pydeski - OSI Skimmer

EPA Oversight - Sean O'Hare - CDM Smith

Weather: Sunny, 45°-65°F

Objective: Collect cores / grabs from 0517, 0519
Process cores / grabs from previous days

Location E. Rutherford NJ CPG Date 10/21/13

Project / Client LPR LRC SSP2/DM1

0630 Candu crew on site - preparing to head south of DeJesse Bridge for 20 ft stations: 0517, 0519

0705 Leave CPG dock

0815 On station 0517
Sean O'Hare (CDM Smith) on Candu
Station 0517 was previously sampled by Wilder - C1 had no refusal and no native

0850 Candu collected 0517-C2 @ 0850
pen 20 ft rec. 11.7 ft - 59% recovery - 10W core appears to consist of red f-c sand - potentially all native

1100 Candu collected 0517-C3 @ 1015
pen. 12.0 ft rec. 7.4 ft - 62% recovery
↳ no refusal, no native - only went to 12 ft pen. in order to try to get better recovery. Based on C2 being all native. Will go back to 20 ft penetration for next cores.

Location E. Rutherford NJ CPG Date 10/21/13

Project / Client LPR LRC SSP2/DM1

N30 Candu collected 0517-C4 @ 1114 - refusal
pen. 12.7 ft rec 7.9ft - 61% recovery - IDW
↳ native transitional (brown + red) - fine brown
sand in core catcher

1210 Candu collected 0517-C5 @ 1150
pen 20 ft rec 11.5 ft - 57% recovery - IDW

Candu collected 0517-G1 @ 1230
↳ rock in jaws - no recovery
0517-G2 @ 1234 - collected 2 buckets
through potential surface washout
0517-G3 @ 1300 - no recovery
Use G2 for sample

1308 Finished processing 0548
Transporter on transport boat checking out shilling
well locations for overhead blocks in preparation
for shilling well elevation survey

1420 Candu on station 0519

1440 Candu collects 0519-G1

Location E. Rutherford NJ CPG Date 10/21/13

Project / Client LPR LRC SSP2/DM1

1500 Cleaning up - will finish 0519 tomorrow morning

1520 Off station, heading back to CPG dock

1620 Arrive at CPG dock - clean up boat - head back to facility.

1720 Skimmer back at CPG dock from checking out hobo shilling wells.

Facility processed 0548 + 0549
collected CPG dups from 0548-B interval
and CPG MS/MSD from 0548-C interval

1800 Samples ready for shipment, decon complete
Take samples to UPS, work today's paperwork

1830 AECOM off site

Location E. Rutherford NJ CPG Date 10/22/13

Project / Client LPR LRC SSP2/DM1

Onsite personnel: (AECOM)
- Helen Jones Parry - field lead / on Cardn
- Rich Purdy, Joel Mennen - facility, shipping
- Nathan Pinsker - transporter
- Paul Kaneth, Ellen Fyock, Jen Reed - sediment processing

Boat Crew:
- Dion Lewis, Helen Jones Parry - Cardn, AECOM
- Jason Delorenzo, Jeff Rydzski - OSI, Cardn
- Morgan Barnett - OSI, Skimmer

EPA oversight - Jeff Rakowski - CDM Smith

Weather - Sunny, 52-65°F

Objective: Collect cores / grabs from 0519, 0523
Process stations from yesterday.

Location E. Rutherford NJ CPG Date 10/22/13

Project / Client LPR LRC SSP2/DM1

0645 Meet at CPG dock, prep to leave for 0519. Meet Jeff Rakowski (CDM Smith)

0719 Depart CPG dock

0843 On station 0519 - collected grab yesterday so will only collect cores.

0920 Cardn collected 0519-C2 @ 0920
pen 20 ft rec. 17.6 ft - 88% recovery
↳ no refusal, transitional native material at bottom of core.

1100 Cardn collected 0519-C3 @ 1030
pen 20.4 ft rec. 15.3 ft - 75% recovery - IDW
↳ native fine silty sand at bottom

1200 0519-C4 @ 1150
pen 15.5 ft - shoe came off during coring process so lost core.

1300 0519-C5 @ 1230
pen. 12.4 ft rec. 11 ft - 89% recovery
↳ refusal, no native

Location E. Rutherford NJ CP6 Date 10/22/13

Project / Client LPR LRC SSP2/DM1

1415 0519-C6 @ 1330 - refusal / native pen, 20.4 rec 13.5 - 66% recovery - 1040
↳ native red-brown v.f. silty sand at bottom

Since C6 had poor recovery - will use C2 as primary and C5 as secondary because C2 went into transitional native material

Unable to complete another station today so clean up, head back to dock.

Meanwhile, processed 0517 grab only and facility crews take inventory of facility. Start processing 0519 @ 1420

1435 Leave station for CP6 dock

1445 Transfer cores to transporter

1540 Arrive at CP6 dock

1550 Leave CP6 dock on Skimmer to check out four hobo stilling wells south of Pathmark Bulkhead

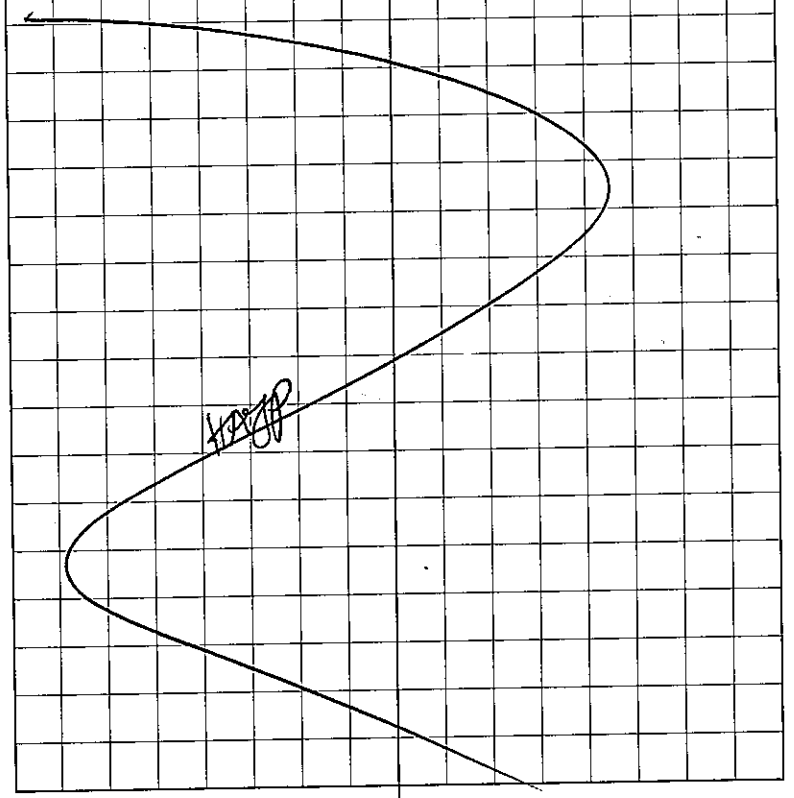
Location E. Rutherford NJ CP6 Date 10/22/13

Project / Client LPR LRC SSP2/DM1

1834 Arrive at CP6 dock - all of the southernmost stilling wells were located.

Processed part of station 0519 but will finish tomorrow. No samples shipped today.

1925 AECOM off site



Location E. Rutherford NJ CPG Date 10/23/13

Project / Client LPR LRC SSP2/DM3

Onsite Personnel: (AECOM)

Rich Purdy
Joel Meunier
Rei-Hua Wang
] facility/shipping

Paul Kareth
Ellen Fyock
Jen Reed
] sediment processing

Nathan Pinsker - transporter

Helen Jones Parry - field lead

Candu Crew:

Dion Lewis
Helen Jones Parry
] AECOM

Jason DeLorenzo
Jeff Rydeski
] OSI

Skimmer: Morgan Barrett - OSI

EPA Oversight - Sean O'Hare - CDM Smith

Weather - partly sunny, 45-55°F, showers in forecast

Objective - collect cores/grabs from 0523

Process 0519

[signature]

Location E. Rutherford NJ CPG Date 10/23/13

Project / Client LPR LRC SSP2/DM1

0630 Candu crew meet at facility, get supplies + head to dock

0700 Meet OSI at CPG dock, prepare to leave

0720 Sean O'Hare (CDM Smith)

0730 Leave CPG dock

Collect equipment blanks once past DeJesse Bridge:

core (13B-0519-C5XR) @ 0910

grab (13B-0519-G1AR) @ 0835

1105 On station 0523 after confirming location coordinates start with C3 as C1, C2 previously attempted by wilder

1115 Made first attempt by shoreline cement wall - no recovery - pen 0.5 ft

1135 0523-C4

pen 20 ft rec 13.4 ft - 67% recovery - IDW

[signature]

Location E. Rutherford NJ CP6 Date 10/23/13

Project / Client LPR LRC SSP2/DM1

1315 0523-C5 - native
pen. 18ft rec 10.6ft - 60% recovery - IDW
↳ completed core without core catcher to see if that helped the recovery.

Station 0519 finished being processed.

1445 0523-C6 - native
pen 20ft rec 15ft - 75% recovery - IDW
↳ attempt with core catcher

~~Will complete a core with 10ft core barrel in final attempt to obtain sample~~ HMP 10/23/13

1610 Attempt grab 0523-G1
↳ over-penetrated

1614 Collect grab 0523-G2

0523 became grab only station due to poor recovery on cores

1645 Off station

HMP

Location E. Rutherford NJ CP6 Date 10/23/13

Project / Client LPR LRC SSP2/DM1

1740 Arrive at CP6 dock
Return to facility to prep for next day.

AECOM facility staff off site @ 1615 after conducting inventory of facility.

1830 AECOM off site.

HMP

Location E. Rutherford NJ CPG Date 10/24/13

Project / Client LPR LRC SSP2/DMI

Facility crew: (AECOM)

Rei-Hua Wang] shipping
Joel Meunier]

Paul Kaeth]
Rachel MacPhee] sediment processing
Ellen Fyock]
Jen Reed]

Boat Crews:

Dion Lewis - Candu lead, AECOM
Helen Jones Parry - Candu, field lead, AECOM
Jason DeLorenzo] OSI, Candu
Jeff Pydeski]
Morgan Barrett - OSI, Skimmer
Nathan Pinsker - AECOM, transporter

Weather - sunny, 40-55°F
Objective - Process grab from yesterday
Collect cores/grabs from 0578, 0547

HAJP

Location E. Rutherford NJ CPG Date 10/24/13

Project / Client LPR LRC SSP2/DMI

0630 Candu crew meet at facility and prepare for sampling

0650 Meet OSI at CPG dock

0710 Depart dock for station 0578, conduct health & safety meeting.

0805 On station 0578 - high res

0815 Jay DeLorenzo leaves to pilot boat tour for Integral Engineers - Jeff Pydeski take over

HAJP 10/24/13

0835 Collect 0578~~H~~-C1
pen. 9.5' rec. 9.1ft - 96% recovery
↳ native clayey silt in shoe

HAJP 10/24/13

0920 Collect 0578~~H~~-C2
pen 10ft rec 8.2ft - 82% recovery

HAJP 10/24/13

1038 Collect 0578~~H~~-G1
↳ metal debris in jaw - rejected, no recovery

HAJP

Location E. Rutherford NJ CPG Date 10/24/13

Project / Client LPR LRC SSP2/DMI

1045 Collect 0578~~A~~-G2 HAJP 10/24/13

1200 Collect 0578-~~G1~~ C3 (low res) HAJP 10/24/13 - native
pen. 10 over recovered - 1DW
Boat tour for engineers over.

1240 Collect 0578-~~C2~~ C4 HAJP 10/24/13 - native / refusal
pen 9.5ft rec 7.4ft - 78% recovery - 1DW

1345 Collect 0578-~~C3~~ C5 HAJP 10/24/13
pen. 9.6ft rec 9.6ft - 100% recovery

1420 Collect 0578-~~C4~~ C6 HAJP 10/24/13
pen. 9.5ft rec. 9.7ft - 102% recovery

1520 Collect 0578-~~C5~~ C7 HAJP 10/24/13
pen. 9.5ft rec. 9.7ft - 102% recovery

Meanwhile, process primary high res core from 0578 and archive secondary high res. core.

1600 Leave station 0578

1630 Arrive at CPG dock

HAJP

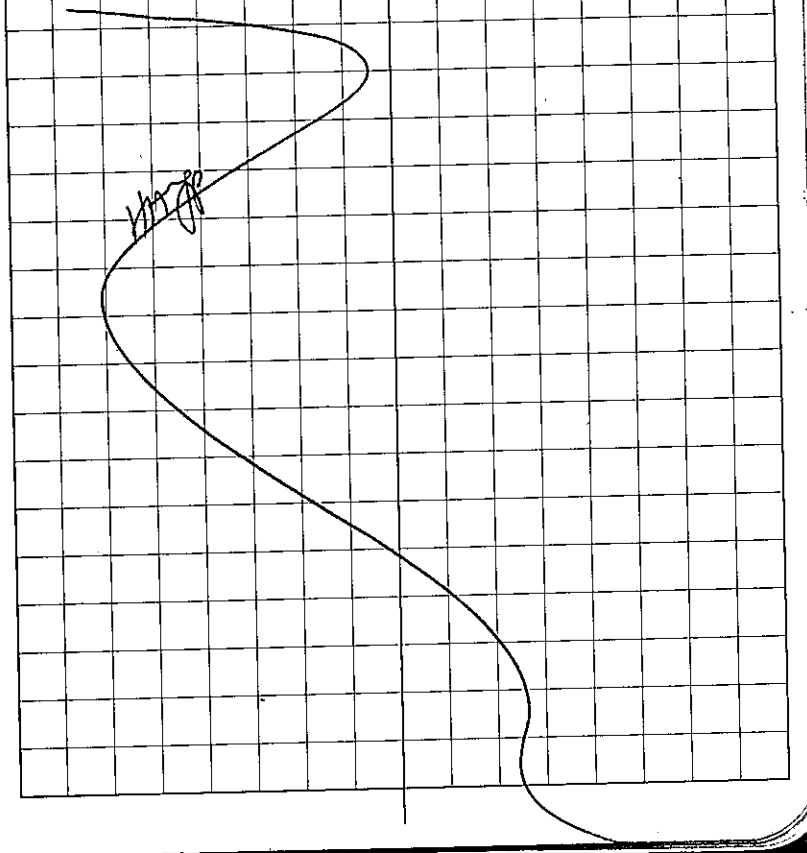
Location E. Rutherford NJ CPG Date 10/24/13

Project / Client LPR LRC SSP2/DMI

Continue processing C2 from 0578 - high res
Samples from C2 will be archived
Holding samples until tomorrow to ship

1830 Bring non-high res samples to UPS to ship.
AECOM off site

HAJP



Location E. Rutherford NJ CPG Date 10/25/13

Project / Client LPR LRC SSP2/DM1

Onsite Personnel: (AECOM)

Rei-Hua Wang, Joel Meunier — facility shipping

Paul Knuth, Rachel MacPhee, Ellen Fyock, Jen Read — sediment processing

Nathan Pinsker - transporter

Boat Crews:

Dion Lewis - Canda Lead, AECOM

Heba Jones Parry - field lead, Canda, AECOM

Jason DeLorenzo, Jeff Pydych — OSI, Canda

Morgan Barrett - OSI, Swimmer

EPA oversight - Sean O'Hare - CDM Smith

Weather - sunny, 50°F

Objective: Collect cores from high res. stations

Process 0578 low res

Location E. Rutherford NJ CPG Date 10/25/13

Project / Client LPR LRC SSP2/DM1

0730	AECOM on site
0900	Meet OSI at CPG dock
0915	Sean O'Hare (CDM Smith) on site as Canda
	Changes made to high res coring - will now sample by the quarter foot to native so need to recollect high res cores from 0578 and reprocess.
0935	Leave CPG dock for 0578
	Meanwhile, process low res cores from 0578.
0940	Conduct health + safety meeting
1005	Arrive at station 0578 to recollect high res cores.
1040	Anchors set
1100	Collect 0578-C8
	pen 9.5Ft rec. 9.2Ft - 97% recovery

Location E. Rutherford NJ CPG Date 10/25/13

Project / Client LPR LRC SSP2/DM1

1135 Collect 0578-C9 - native
pen. 9.5 ft rec 9.8 ft - 103% recovery

Move to station 0547 for high res cores.

1412 Collect 0547-C4
pen. 9.5 ft rec. over-recovered -10%

1440 Collect 0547-C5 - native
pen 9.5 ft rec. 9.1 ft - 96% recovery

1520 Collect 0547-C6
pen 9.5 ft rec 8.7 ft - 92% recovery

Finish processing 0578 Low res. cores
Start on 0578 high res.

1600 Retrieve hobos

1650 Cardin off water

1805 Sean O'Hare off site

Location E. Rutherford NJ CPG Date 10/25/13

Project / Client LPR LRC SSP2/DM1

1830 Skimmer returns to dock. Two hobos remain to be retrieved.
Finish processing 0578 - high res core.
Will finish 0547 high res tomorrow
Clean up, prep samples for shipment.
Wait for UPS pick up.

1930 UPS picks up samples

1945 AECOM off site

Location E. Rutherford NJ CPG Date 10/26/13

Project / Client LPR LRC SSP2/DMI

~~0730~~ HHOT 10/25/13

Onsite Personnel:

Helen Jones Parry - field lead

Dion Lewis, Ellen Fyock, Rachel MacHee, Jen Reed, Paul Kaneth - facility, sediment processing

Nathan Pinskier - facility, hobos

OSI personnel:

Jason Delorenzo, Morgan Barrett - Candy

Mike Lincoln, Jeff Pydeski - Skimmer, hobo stilling well elevations

Weather: sunny, 55°F

Objective: Process 0547 high res core.
Demob Candy
Retrieve remaining hobos
Start stilling well elevation survey.

Location E. Rutherford NJ CPG Date 10/26/13

Project / Client LPR LRC SSP2/DMI

0730 Helen Jones Parry meet OSI at dock.
Demobing the Candy, preparing Skimmer to finish retrieving hobos and also to complete the hobo elevation survey (stilling wells elevations)

AECom facility staff start to arrive to decon, finish processing 0547 - high res core.

0950 N. Pinskier leaves to retrieve remaining hobos with J. Pydeski + M. Lincoln of OSI

1030 At Monroe St. Bridge - having trouble with YSI so hobo retrieval taking longer than expected

1100 YSI fixed. Nathan Pinskier off site.
H. Jones Parry will take over hobo retrieval

1150 All hobos / data retrieved.

1430 Finished processing 0547 high res.
Prepare samples for shipment, clean up, decon.

1730 AECom off site

FIELD LOGBOOK ID #

G0145884 - 2013 - SSPC - PROBING - BOAT - 01

Rite in the Rain®

ALL-WEATHER

ENVIRONMENTAL

FIELD BOOK

No 550

LOWER PASSAIC RIVER

DATES COVERED:

06/03/2013 - 06/06/2013

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

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Project LOWER PASSAIC RIVER
60145884-P403
LOGBOOK START DATE: 06/03/13
LOGBOOK END DATE:

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2.	RYAN MCARTHY PRINTED NAME SIGNATURE	RJM INITIALS
3.	Helen Jones Parry PRINTED NAME SIGNATURE	HJP INITIALS

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Location CPR Date 06/03/13

Project / Client SSP 2 PROBING / DMI

SSP 2 PROBING SURVEYS

ONSITE PERSONNEL -

K. VAN NAGTEGEM / AECOM

R. MCCARTHY / AECOM

J. ROLFE / DMI

~~J. ROLFORD~~ J. RAKOWSKI / DMI

WEATHER: RAIN IN AM ~70°; PARTLY CLOUDY PM

TIDES: HIGH - 05:09

LOW - ~~17:42~~ 12:22

HIGH 17:42

TO BEGIN SSP 2 PROBING SURVEY 06/05/13. APPROX 325 PLANNED LOCATION + CONDITION ONSITE UTILITY CLEARANCE

4

Location CPR Date 06/03/13

Project / Client SSP2 / dmi

RMC

0710 ONSITE AT CPG FACILITY
MOBILIZE BOATS, ETC

0800 dmi CREW ONSITE

0820 SURVEY PK NAIL CPG 2
X: 597102.04 Y 733826.96

0830 SHE BRIEFING
WEATHER - RAIN / T'STORMS TODAY
PPE
BOAT SAFETY

0840 SHOVE OFF TO ~RM 8.0
TO BEGIN SURVEY / PROBING

C.V STATION @ PROBE #13-BP001

0920 GPS RECEPTION SPOTTY ALONG
ROADWAY USING LAND BASED
BENCHMARKS IN AREAS WHERE
COVERAGE CAN NOT BE OBTAINED

1220 WEAK GPS SIGNAL W
AREA OF #25 : 26 #27
GOT #25 SIGNED 26/27

5

Location CPR Date 6/3/13

Project / Client SSP2 / DMI

RMC

SKIPPING FOR NOW, WILL TRY
AGAIN LATER MOVING TO #28

1315 MOVING UP TO WORK AREA
NEAR STATION 40

RMC 4/17

26 ~~40 74~~ 40 47 27.1820
74 08 40.7760

27 40 47 27.4920
74 08 41.8620

1650 POSTPONING PROBING
AT STATIONS 66 → 80
DUE TO UTILITY CONCERNS
WILL REVISIT

1745 91 40 48 22 4100
74 08 21 9500

1750 DEPART FOR CPG DOCK
77 PROBES COMPLETED

1817 BACK AT DOCK

Location LPR Date 6/4/13

Project / Client SSP2 / DMI - CPG

SSP2 SEDIMENT PROBING

0700 ON SITE TO MOBILIZE GEAR/ EQUIPMENT

R. MCCARTHY K VANMAERSSEN - ALCOM

J. ROLFE - DMI

0800 J. LAKOWSKI - CDM

LOADING BOAT / H+S

~~DEPART CPG DOCK FOR PROBE SURVEY~~ KW

WEATHER: SUNNY, BREEZY IN AM ~70° F.

TIDES:

HIGH @ 06:02

LOW @ 13:09

08:40 CHECK IN GPS AT CPG2 - PK NAIL IN PARKING ~~LOT~~ ~~[illegible]~~

X - ~~40° 50' 50.4160"~~ 733808.027

Y - ~~74° 07' 13.6980"~~ 597118.500

Location LPR Date 06/04/13

Project / Client SSP2 / DMI - CPG

0920 DEPART CPG DOCK FOR 06/04/13 PROBE SURVEY HEADED TO STATION 13B-P062 TO CHECK VS. UTILITY SHAPEFILE & COMPLETE

1010 AT STATION 66 PROBE ROD GOES OVERBOARD RETURN TO CPG TO GET NEW ROD

1030 RETURNED TO CPG DOCK - R. MCCARTHY DEPARTS TO LOWES - STEPHANIE VAUGHN EPA AT DOCK FOR PROBING TOUR, CONDUCT SHE BRIEFING

1120 DEPART CPG DOCK FOR PROBING AT THIRD RIVER W/ S. VAUGHN (EPA) + MARCIA GREENBLATT - J. RAKOWSKI SAYS AT CPG FACILITY DUE TO LIMITED VESSEL SPACE

Location CPR Date 06/04/13

Project / Client SSP2 / DMI - CPG

LMC

1135 Begin Probing AT THIRD River - STATION 13B - PØ144

1233 STATION 164 MOVED DUE TO INABILITY TO ACCESS AREA BEHIND BULKHEAD DISCUSSION WITH S. VAUGH & M. GROENBLATT.

1253 NOT PROBING 141, 142, 148, 149 DUE TO PROXIMITY TO RM 10.9 REMOVAL ACTION. ALSO SKIP 159 Per EPA / integral conversations

1315 HEADING BACK UPRIVER TO CPG

1330 RETURN TO DOCK DROP OFF MARCIA G. + STEPHANIE V. PICK UP JEFF R. DEPART FOR RM 10

1413 STATION 68 MOVED DUE TO INABILITY TO ACCESS LOCATION. NEW POINT LOGGED

1446 STATIONS 77 AND 80 SKIPPED BECAUSE THEY WERE LOCATED ON UPLAND CONCRETE EMBANKMENT.

Location CPR Date 6/4/13

Project / Client SSP2 / DMI - CPG

1912 154 + 146 MOVED OUT FROM THIRD RIVER BRIDE BY ~201 STATION 165 ABANDONED AS IT IS UPLAND/CONCRETE.

1920 DEPART FOR CPG

1930 ARRIVE AT CPG DOCK

1940 GPS CHECK IN CPG2 AT DOCK

E 597114.30

N 733820.15

1945 Paperwork / Demob AT CPG facility

2110 OFFSITE FROM CPG

2055 - KVN called M. GROENBLATT PER MG REQUEST - MG TO PROVIDE UPDATED SHAPE FILE TO AECOM 06/05/13 INCORPORATING EPA's comments Re. Probe locations.

Location LPR Date 06/05/13

Project / Client SSP2 PROBE / dmi ~~CPG~~

SSP 2 SEDIMENT PROBING

ONSITE Personnel

K. VAN NAERSSEN - AECOM

R. McCARTHY - AECOM

J. RAKOWSKI - CDM SMITH

J. ROLFE - dmi

Weather - Clear & sunny in AM w/ few clouds ~70°F

Clear in Afternoon ~75°F. ~10-15 Kn winds

TIDES - HIGH @ 0655 (5.69')

LOW @ 1355 (0.42')

HIGH @ 1919 (6.81')

PROPOSED ACTIVITIES -

PROBING AT REMAINING STATIONS MAJORITY LOCATED UPSTREAM OF RM 11.3. A FEW locations remain downstream, NEAR RM 9.5

REVISED Sampling SHAPEFILE & direction recieved from M. GREENSCATT REGARDING REMAINING LOCATIONS & EPA INPUT - AWAITING AUTHORIZATION TO implement REVISED PLAN. IN ACCORDANCE w/ SHAPEFILE & GUIDANCE

Location LPR Date 06/05/13

Project / Client SSP2 PROBE / dmi - CPG

0700 - ONSITE AT CPG MOBILIZE BOAT, STL & COMPLETE PAPERWORK / data review

0800 - SHE Meeting AT Sea Area / CPG Dock.

0820 - CPG2 PK NAIL CHECK-IN

- E. ~~597117694~~ 597105.00

- N. 733823.19

0825 DEPART TO Begin Sampling AT TRANSECTS NEAR 3RD River

0840 ON STATION - BEGIN 06/04/13 PROBING AT STATION 13B-P171

0956 175.2 - 1.2' WATER

1.2 PEN

SILT

PER 0917 PHONE CALL WITH DOUG SIMMONS, WE ARE REVISING APPROACH FOR PROBE OPERATIONS, TARGETING SHORE BASED TRANSECTS, SHIFTING AS CLOSE TO SHORE AS WATER DEPTHS ALLOW. SKIPPING CHANNEL STATIONS UNLESS OTHERWISE SPECIFIED

Location LPR Date 6/5/13

Project / Client LPR SSP2 / dmi cpg

RMC

1023 178 & 183 SKIPPED (CHANNEL)

14 TOTAL SO FAR

1145 30 TOTAL STATIONS

1245 45 TOTAL STATIONS

WORKING UPRIVER

Utility AREA ~RM 13.1/2 winds increase

1620 #302 10.4 water depth
1.0 sand

TRANSECT 1 (BOTTOM)

1624 #303 12.5' water depth
4.5 SILT, soft upper layer

1627 #304 16.0' water depth
3.9 silt, sand at depth

1630 #305 16.0' water depth
4.2 silt and sand

1632 #306 17.5' water depth
4.0 silt and sand

Location LPR Date 6/5/13

Project / Client SSP2 - dmi / CPG

1636 #307 12.5' water depth
4.4' silt

TRANSECT 2 (MID)

1638 #308 13.8' water depth
4.2 silt

1641 #309 15.0' water depth
2.5 silt

1645 #310 16.9' water depth
3.6 silt + sand

1648 #311 17.9' water depth
5.1 silt + sand

TRANSECT 3 (NORTHERN EXTENT)

1651 #312 13.0' water depth
4.0 silt

1654 #313 14.0 water depth
2.0 silt

1658 #314 15.2 water depth
3.6 pen - silt

1701 #315 ~~15.0~~ 15.6 water depth
6/5/13
4.4 silt

1705 #316 16.4' water depth
6.1' sand + silt

Location LPR Date 6/5/13

Project / Client SSP2 / dmi

1732

#321 5 water depth

0.1' silt over rock

1735

#322 16.3 water depth

3.2 RMC 6/5/13 sand

2.6'

PROBING IN UPPER RIVER COMPLETE
RETURNING TO COMPLETE EARLIER
AREAS DOWNRIVER ADJACENT TO UTILITY
CROSSING RM 9.6

1820 COLLECT 69 70, 71 BY UNNAMED
CREEK STATION 74 ON WEST
BANK WAS INACCESSIBLE

RETURN TO CPG DOCK

106 TOTAL STATIONS PROBED

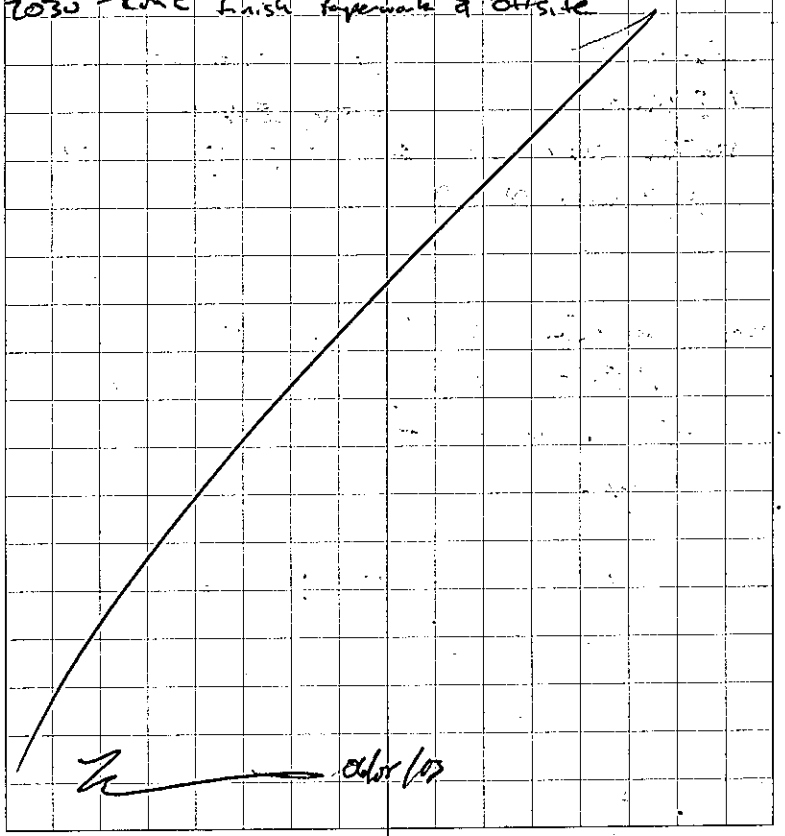
1840 BACK TO CPG Dock - Tie UP
1845 CHECK GPS in AT CPG 2
x 597130
Y 733824

Location LPR Date 06/05/13

Project / Client SSP2 / DMI

1850 Return to CPG
facility & Donors /
Complete Daily Paperwork

2010 OFFSITE FROM CPG / EOD
2030 - RMC finish paperwork & offsite



06/05/13

Location LPR Date 06/06/13

Project / Client SSPZ / dmi

RMC

SSPZ PROBING

ONSITE PERSONNEL:

K. VAN NAARSSON - AECOM

R. MCCARTHY - AECOM

J. ROLFE - dmi / Captain

J. RAKOWSKI - CDM SMITH / EPA OVERSIGHT

WEATHER

OVERCAST / LIGHT DRIZZLE & FOG IN AM ~70° F

AFTERNOON - OVERCAST ~75° F

TIDES - HIGH @ 07:43

: LOW @ 14:40

PROPOSED ACTIVITIES - COMPLETE 39 ADDITIONAL PROBE LOCATIONS, AS PROVIDED IN M. GIBSON'S EMAIL SHAPEFILE OF 06/06/13. AECOM LABELLING PROBES:

~~13B-P~~ 13O-P323 THROUGH 13B-P361.

Location LPR Date 06/06/13

Project / Client SSPZ / dmi

RMC

07:30 - AECOM ONSITE AT CPG facility TO MOBILIZE VESSEL, IMPORT NEW TARGET COORDINATES, ETC.

09:15 - CDM-SMITH & DMI ONSITE

09:25 - CHECK IN GPS AT CPGZ SPOT

NORTHING - 733826.85

EASTING - 597117.80

AVG POSITION TO BE RECORDED AT END OF DAY E 597121 N 733820

0945 DEPART CPG DOCK FOR 2 MILES NORTH OF RT 3 BRIDGE

1010 ON STATION READY TO BEGIN PROBING

1020 #323 1.1' WATER DEPTH

2.3' PEN

SAND + SILT

COBBLES IN AREA

REFUSAL ON CONCRETE

18

Location LPR Date 6/6/13

Project / Client SSP2 / Dmi

RMC

1022	324	11.2' WATER DEPTH 2.3 PEN SILT
1025	325	1.0' WATER DEPTH 1.8' PEN SILT SAND w/ SOME GRAVEL REFUSAL ON CONCRETE
1028	326	~~17.5~~ WATER DEPTH 16.0 1.5 SILT REFUSE ON ROCK
1031	327	5.4' WATER DEPTH 0.9' PEN GRAVEL AND SAND OVER ROCK REFUSAL
1034	328	16.9' WATER DEPTH 0.9' PEN GRAVEL OVER ROCK REFUSAL
1042	329	2.0' WATER DEPTH 0.5 PEN GRAVEL/ROCK

19

Location LPR Date 6/6/13

Project / Client SSP2 / Dmi

RMC

1044	330	13.9' WATER DEPTH RMC 6/6/13 ~~1.5~~ PEN 2.0 SILT + SAND
1048	331	11.6' WATER DEPTH 3.2' PEN GRAVEL + SAND
1050	332	19.7' WATER DEPTH 2.0' SAND
1057	333	2.6' WATER DEPTH 4.4' SAND + SILT
1100	334	14.2' WATER DEPTH ~~2.5~~ SILT OVER GRAVEL + ROCK 2.5
1104	335	16.0' WATER DEPTH 0.5 SAND + SILT OVER ROCK
1109	336	14.4' WATER DEPTH 1.8 SILT OVER GRAVEL + SAND

Location LPR Date 6/6/13

Project / Client SSP2 / dmi

RMC

1116	337	4.8 WATER DEPTH
	BIG DEAD TREE IN RIVER	2.0 SILT OVER GRAVEL SAND + ROCK
1121	338	15.8' WATER
		1.5 SILT
		0.5 GRAVEL
		2.0 TOTAL
1123	339	1.9 WATER DEPTH
		0.1 SAND + GRAVEL
1125	340	1.2' WATER
		0.3 GRAVEL + SAND
		COBBLES
1129	341	12.4 water depth
		3.1 SILT
		0.5 GRAVEL + SAND
		3.6
1134	342	2.0
		0.5 gravel + sand over cobble + rock
	moved in from bank, target was upland	

Location LPR Date 6/6/13

Project / Client SSP2 / dmi

RMC

1137	343	13.8 water depth
		~~2.5'~~ gravel + sand RMC 6/6/13
		1.7
1155	344	1.9 WATER DEPTH
	STATION ON ROCK EMBANKMENT SO STATION MOVED INTO RIVER	3.7 SAND ON ROCK REFUSAL
1200	345'	8.6 WATER DEPTH
		2.2 SILT (23)
1203	346	10.9 water depth
		2.1 SILT
		2.0 SAND
		4.1 TOTAL
1205	347	1.9' water
	TARGET ON EMBANKMENT	2.2 SILT + SAND
		0.1 SAND OVER SILT (25)
1212	TARGET IN UPLAND / CARE DEAD TREE 348	1.7 water
		2.0 SAND
1215	349	13.0 RMC 6/6/13 ~~4.0~~ water depth
		5.0 ~~4.0~~ SILT over sand

RMC

Location LPR Date 6/6/13

Project / Client SSP2 / Dmi

RM2

1218	350	1.5' water 0.2' sand + gravel w/ Rock refusal
	STATION IN UPLAND	
1220	351	14.2' water 1.2 gravel + sand
1223	352	13.5' water 2.2 gravel/sand + silt
1226	353	7.0 water depth 5.2 pen into silt refusal on debris
1230	354 TARGET IN UPLAND	2.9 water depth 2.1 SAND
1233	355	15.5 water depth 0.5 gravel + sand
1236	356	1.7' WATER 0.0 ROCK 12.0 water 14.8 total 2.8 silt + sand
1239	357	

(85)

Location LPR Date 6/6/13

Project / Client SSP2 / Dmi

(10)

1244	#358	9.5 water depth 2.8 silt + sand silty sand
1247	#359	2.5' water depth 4.0 silt + sand sand over silt
1253	360	9.7 water depth 0.5 gravel on rock refusal
1255	361	13.6 water 1.0' sand 1.0 silt 2.0 total

1305 PROBING COMPLETE

1315 RETURN TO CPC DOCK

3:30 collect GPS Targets AT PK NAVE CPC 2

Easting - 733823

Northing - 597111

1335 - Demobilize Vessel & Supplies AT CPC

Location LPR Date 06/06/13

Project / Client SSP2 Probing / dmi

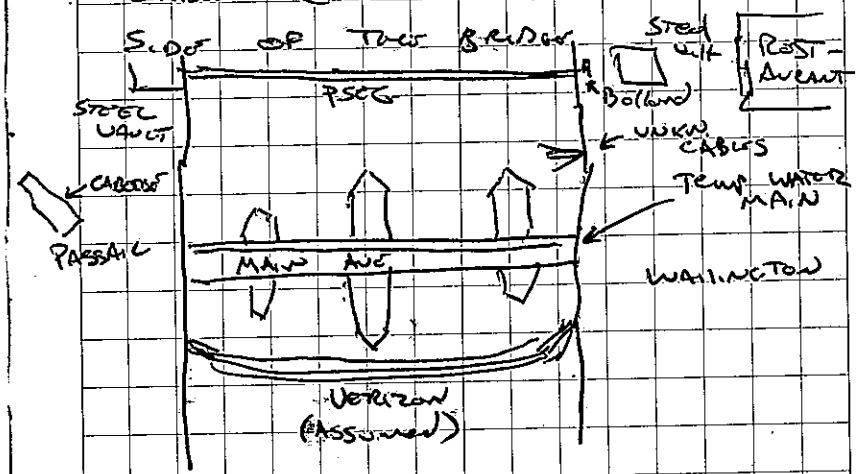
1320 (PM) Kris van Naersson met with Glen of PSEG to review crossings near RM. 13.9. PSEG gas crossing - see details in call memo from last week regarding pipe crossing is straight across, parallel to main ave in Wallington / Passaic Glen pointed out temp. water main crossing on the bridge itself (not below MHW) and Verizon crossing - Glen thought it was locator H. of bridge, Glen + Kvn met in Ya Hala parking lot

1500 Return to PSEG crossing w/ R. McCarthy to collect GPS coordinates. Crossing (per Glen) goes from steel vault adjacent to Ya Hala to Passaic side in steel vault - near check cashing caboose / used car lot (w/ fishing chain atop). Observe Verizon crossing - assumed on south side of bridge and an unknown

Location LPR Date 06/06/13

Project / Client SSP2 Probing / dmi

Cable crossing on north side of the bridge



1520 Return to CPG facility continue demob / paperwork

1630 End of day / probing complete switching to CWCM prep

Location E. Rutherford NJ - LPR Date 9/25/13

Project / Client LPR LRC SSP2 / DMI

Third River Probing Survey

Onsite personnel:

Helen Jones Parry - AECOM

Doug Simmons - AECOM

Nathan Pinsker - AECOM

Carl Cantrell - OSI Captain

Sean O'Hare - CDM Smith, EPA oversight

Weather: Sunny, 60°F

Objective: Conduct sediment probing of Third River

Location LPR Date 9/25/13

Project / Client LPR LRC SSP2 / DMI

1045 Conduct probing Health + Safety meeting
Load up Skiff

1115 Depart CPG dock

1140 Pick up Sean O'Hare - EPA oversight
Go over health + safety with Sean:

1206 Arrive at Third River - start by scoping out the river

1207 Went as far down Third River as possible will start probing at that location. Approaching high tide (1324)

1210 13B - P400: water depth - 5.95 ft
Sandy water + sediment - 7.8 ft
sediment - ~~1.85 ft~~ 1.95 ft

1220 13B - P401: water depth - 6.0 ft
water + sediment - 8.9 ft
gravel sediment - 2.9 ft

1225 13B - P402: water depth - 5.0 ft
sediment - 6.15 ft
sandy/gravelly water + sediment - 1.15 ft

Location LPR Date 9/25/13

Project / Client LPR LRC SSP2 / DMI

1233 13B-P403:	water depth	- 1.3 ft
	water + sediment	- 5.75 ft
silt	sediment	- 4.45 ft
1240 lost navigation sattelites		
1243 Switching to less accurate nav system		
1244 13B-P404:	water depth	- 3.8 ft
	water + sediment	- 4.9 ft
Sandy (silty) some gravel	sediment	- 1.1 ft
1248 13B-P405	water depth	- 6.4 ft
	water + sediment	- 7.7 ft
Sandy	sediment	- 1.3 ft
2nd attempt adjacent probe ~9ft water + sediment		
↳ ~2.5 ft sediment - sandy		
1253 13B-P406	water depth	- 2.75 ft
	water + sediment	- 3.8 ft
silt/muck over sand, hard gravel	sediment	- 1.05 ft
unable to penetrate gravel so silt is what was penetrated		

Location LPR Date 9/25/13

Project / Client LPR LRC SSP2 / DMI

Note: river is ~ 100 ft wide.

1257 13B-P407	water depth	- 4.9 ft
	sediment + water	- 6.7 ft
sandy, possibly gravel	sediment	- 1.8 ft
1300 13B-P408	water depth	- 6.0 ft
	sediment + water	- 7.5 ft
silt w/ sand @ bottom	sediment	- 1.5 ft
1302 13B-P409	water depth	- 2.5 ft
	Sediment + water	- 5.3 ft
Silt over hard bottom	sediment	- 2.8 ft
silt in tip		
Adjacent push	sediment + water	- 7.0 ft
silt	sediment	- 4.5 ft
1309 13B-P410	water depth	- 5.95 ft
	Sediment + water	- 8.0 ft
Silt over hard bottom	sediment	- 2.05 ft
little gravel (reddish) in tip		

Location LPR Date 9/25/13

Project / Client LPR LRC SSP2 / OM1

1313	13B-P411	water depth	- 3.05 ft
		Sediment + water	- 4.9 ft
silt over armored bottom		Sediment	- 1.85 ft
1317	13B-P412	water depth	- 2.9 ft
		Sediment + water	- 3.7 ft
sand, trace gravel w hard bottom		Sediment	- 0.8 ft
1320	13B-P413	water depth	- 2.9 ft
		Sediment + water	- 6.3 ft
silt		sediment	- 3.4 ft
1323	13B-P414	water depth	- 3.0 ft
		Sediment + water	- 6.4 ft
silt with some sand		sediment	- 3.4 ft
Note: riverbank armored on both sides.			
1326	13B-P415	water depth	- 3.3 ft
		sediment + water	- 6.6 ft
silt over sandy gravel		Sediment	- 3.3 ft
gravel in tip			

Location LPR Date 9/25/13

Project / Client LRC LPR SSP2 / OM1

1329	13B-P416	water depth	- 7.3 ft
		Sediment + water	- 7.3 ft
hard bottom		sediment	- 0 ft
1332	at high tide ~9-10 ft clearance		
1334	13B-P417	water depth	- 6.4 ft
		Sediment + water	- 9.55 ft
silt, some sand in tip		sediment	- 3.15 ft
1337	13B-P418	water depth	- 5.95 ft
		Sediment + water	- 6.9 ft
gravel in tip		Sediment	- 0.95 ft
1339	13B-P419	water depth	- 4.2 ft
		Sediment + water	- 5.25 ft
silt over hard bottom		sediment	- 1.05 ft
1345	13B-P420	water depth	- 6.5 ft
		Sediment + water	- 7.15 ft
silt, nothing in tip		Sediment	- 0.65 ft

Location LPR Date 9/25/13

Project / Client LPR LBC SSP2 / DMI

1347 13B-P421 water depth - 10.55 ft

Sediment + water - 9.6 ft

Silt, nothing in tip, sediment - 0.95 ft

trace sand

1349 13B-P422 water depth - 3.7 ft

Sediment + water - 9.25 ft

Silt, silt in tip sediment - 5.55 ft

1351 Probing complete.

Note: No utilities were observed

Pick up cores from Candy

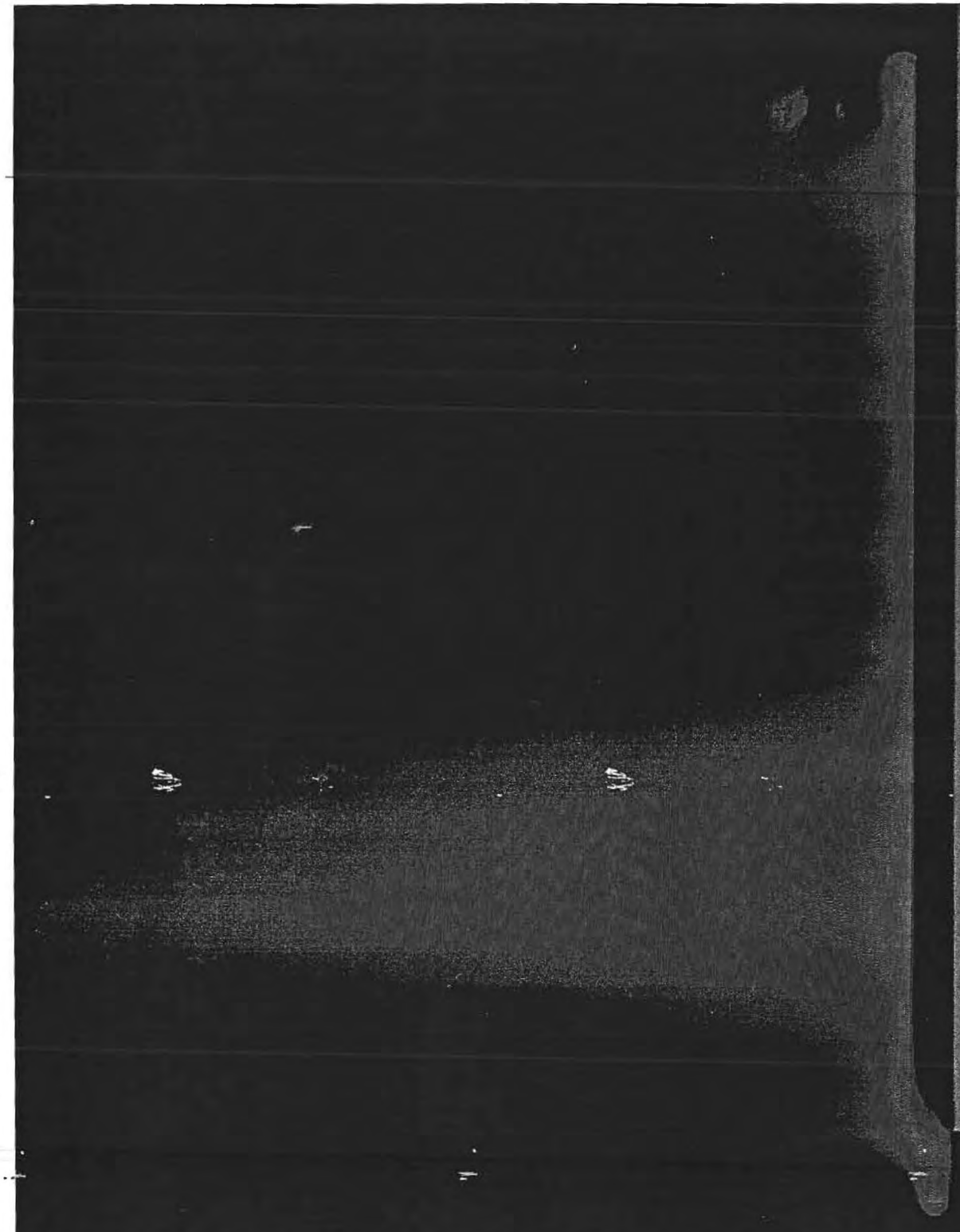
1435 Head back to CPG docks.

1500 Arrive at CPG dock.

HASP

Location Date

Project / Client



FIELD LOGBOOK ID #

60145884-2013-SSP2-

LOW RESOLUTION CORE

PROCESSING-01

Rite in the Rain®

ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

№ 550

LOWER PASSAIC RIVER

DATES COVERED:

—

60145884-2013-SSP2-LOW RESOLUTION CORE PROCESSING-01

Rite in the Rain
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

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AECOM

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Project LOWER PASSAIC RIVER
60145884-
LOGBOOK START DATE: 9/23/13
LOGBOOK END DATE:

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AUTHOR INFORMATION

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	SIGNATURE	TLW INITIALS
2.	PRINTED NAME	
	SIGNATURE	INITIALS

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Location E. Rutherford, NJ Date 9/23/13

Project / Client LPR S3P2

AECOM: T. Watson
J. Reed
M. Russell

1350 - Arrived at LPR Facility. Pre-entry briefing, weather, site logistics, processing area setup, HASP & QAPP acknowledgements, site-specific training forms.

- Performed decon of processing equipment & re-stocking tent. - Tried repair of electric strips; both sets not working properly. One pair may work, the other likely irreparable - ordering a new set.

- H. Jones conducted SA testing.

- Both boat crews out to coring locations.

1800 - Boat crew brought in 1 core 20 (TW) for station S47. (C2-9.35') TW

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SSP2

AECOM: T. Watson
J. Read
M. Russell

Weather. Sunny, clear, cool

0800 - Arrived at site. - Daily H+S briefing.
- Calibrating meters for processing tent
- Setting up to process cores for Station #0547 TW 9/25/13

~~0900~~ - Starting to process core at Station #0547 - C2. (A-B).
C-interval (1.5-2.5) shortened due to lithology change to transitional f-SAND

1205 - Starting segment B-C at #0547 C2. - Splitting 'A' interval with UPA. TW 9/25/13

1230 - Lunch break
- Continue processing #0547 B-C. air + water seep at top of core

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SSP2

1425 - Continue processing #0547-C2 B-C segment; start processing #0547-C3 A-B segment

1420 - Processing grab sample (G1) from #0547. Salinity reading = 0
Filling remainder of A-interval w/ splits (UPA) from grab (TPH + grain size).

~~1755~~ - TW
~~1855~~ Completing processing of #0547-
1655 TW C3. - No 'H' interval from this core; all native (red sand) below the 'G' interval. - ~~No TW~~ Not able to fill bottles for C3HS: PAHs, SVOCs, TPH ext.

1745 - Processing grab sample ~~#0546~~ #0564 TW
G2 for full suite.
DK brown SILT, trace f-sand, wet-saturated, v. soft (soupy).
PID = 0 H_2S - 0 H_g - 0
Salinity = 0

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SSP2

1800 - Processing grab sample #0546 - G2 for full suite. - Splitting w/ GTPA.
No - water in sample for salinity.
Dk brown, f-c SAND, trace - little silt, loose, wet, organics (sticks)
PID - Ø H_2S = Ø Hg = Ø

1815 - Processing short cores from #0552 - C2 only + grab (G2).

Grab 2 @ 0551: Dk brown f-m SAND, some silt, abundant organics, (sticks)
wet-sat., loose.
PID = Ø H_2S = Ø Hg = Ø
Salinity = Ø

1925 - All samples for #0551 cut to shipping. — Still trying to get info into LDDS to Paula W. to make COCs. — Only able to collect analytes: Dioxins/Furans, PCB Congs, + mercury + grain size (monomial) from #0551 - C2, B-interval (0.5-0.88')

JW

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SS2

- Completing post-calibration, decon, + tent cleanup.

2100 - Done for the day.

JW

Location E. Rutherford, NJ Date 9/25/13

Project / Client LPR SSP2

ACCont T. Watson
M. Russell
J. Reed
E. Fyock

Weather: Sunny, clear, cool

0710 - Arrival at site. Checking status of tent supplies, etc.. Cal. battery Hg + multi-gas meters.

0830 - Starting to process Station #Ø563-C2 (A-B). - Collecting duplicate on A-interval.

0930 - Completing processing of A-B seg. for Ø563-C2. - Starting to process B-C for C2.

1010 - Continue processing B-C on Ø563; processing grab sample (G1) for Ø563. F-sand w/ silt + organics similar to the 'A' interval (C2). - PID = Ø H_2S = Ø, Hts = Ø. Salinity = Ø

Location E. Rutherford, NJ Date 9/25/13

Project / Client LPR SSP2

1120 - Completed Ø563-C2 processing; starting to process Ø563-C1 (A-B).

1215 - Completing C1 (A-B) segment; starting Ø563-C1 (B-C). * NO 'I'-interval in C1 at Ø563 and only filled partial jars. - Not able to fill SVOCs, TPH conc, + grain size for Ø563-'I' interval.

~1230 - Lunch break - Decon'ing processing equipment while waiting on cores.

1340 - Request to decon liners from the boat ramp.

1510 - Cores from Station Ø510 on site. - Talked w/ Pam W. + Doug S., will go ahead and process cores + hold samples if needed. - Complete decon of last liner.

1550 - Going in to process Ø570-C3 (A-B).

Location E. Rutherford, NJ Date 9/25/13

Project / Client LPR SSP2

1715 Finish processing C3 and begin to process C1

1815 - All samples for station ϕ510 processed and shipping; will be held in cooler overnight. - Only 2 intervals from ϕ510 ('A' + 'B') - native shallows. - Cleaning up process tent; performing post-calibration, decon equip.

1930 - Done for the day.

TW

Location E. Rutherford, NJ Date 9/26/13

Project / Client LPR SSP2

AECOM: J. Reed
M. Russell
E. Fyock
T. Watson

Weather: Mostly-partly sunny, cool

0720 - Arrived at site. Getting core info. for station ϕ530 (on cooler); will start processing this morning. Also 2 grab stations for full suite only (ϕ512 + ϕ514) - no good core recovery.

0745 - Daily Health & Safety Prepping tent w/ supplies.

0830 - Starting to process grab sample ϕ512 - G1 for full suite - plus sulfide + nutrients.

0845 - Starting to process grab sample ϕ514 - G1 for full suite. Will collect MS/SD at this location.

TW

Location E. Rutherford, NJ Date 9/26/13

Project / Client LPR SSPZ

Ø512 - G1 = DK brown SILT, sandy, f-gr., wet - sat., soft, non-plast. Salinity = Ø PID = Ø H_2S = Ø H_S = Ø

Ø514 - G1 = DK-brown Sandy SILT, f-gr., wet, soft - med stiff, non-plast., tr. organics (10YR 3/1) Salinity = Ø PID = Ø H_2S = Ø H_S = Ø

0900 - Starting to process Ø53Ø - C1 (A-B). - Splitting samples w/ EPA at 2 intervals + collecting QC. - Native material in Ø53Ø - C1 at 1.80' (red-brown SILT w/ clay). * Splitting 'A' + 'B' intervals w/ EPA; not enough material in 'C' to do internal QC (3").

1005 - Starting to process Ø53Ø - C3 (A-B). - Native material at 1.93' (red-brown SILT); not native sand between 2.5 + 3.5 w/ native silt inclusions - not sampled - native SILT below.

TW

Location E. Rutherford, NJ Date 9/26/13

Project / Client LPR SSPZ

1055 - Starting to process Ø53Ø - C4 (A-B).

1135 - starting to process Ø53Ø - G2 grab sample (veg. constituents) Salinity = Ø PID = Ø H_2S = Ø H_S = Ø

1210 - Completed processing cores for Ø53Ø. - Not able to get TPH-ext. for the 'C' interval (native shallow) - Collected duplicate on grab Ø53Ø-G1.

1220 - Lunch break

~1305 - Cores for station Ø533 onsite (3 cores).

1315 - Prepping/re-stocking tent + sampling cart PPE down.

1530 - Collecting equip. rinse blank 13B - Ø53ØCHCR.

1545 - Collecting "grab" sample that was missed for station Ø551 from top of core C1 (not used previously).

TW

Location E. Rutherford, NJ Date 9/26/13

Project / Client LPR SSP2

Ø551-O1AS: Sulfide + TKN+ etc.
DK brown SILT layer (1") over f-m
SAND, dense, wet, tr. organics,
little silt, few lg. gravel, brick frag.
Salinity: Ø PID = Ø H_2S = Ø, H_g = Ø
organics (sticks) in silt overlying sand)

1410 - Starting to process Ø533-C2 (A-B)
* Splitting samples w/ EPA 'B' + 'C'
intervals - Collect internal QC
duplicate on 'A'-interval + ~~MS/SD~~
on bottom sample (J'). (M) duplicate

1500 - Continue processing Ø533-C2 (A-B);
starting to process C2 (B-C).

1645 - Ø533-C2 (C-D) processing complete,
starting to process Ø533-C3 (A-B)

1750 - Starting to process Ø533-C3 (B-C).

1800 - Starting to process grab sample
from Ø533-G1.
Salinity = Ø

TW

Location E. Rutherford, NJ Date 9/26/13

Project / Client LPR SSP2

Ø533-G1: DK brn SILT, v. soft
(soupy), little f-sand, saturated
PID = Ø H_2S = Ø H_g = Ø

1830 starting to process Ø533-C1 (A-B)
for 'A'-interval only to complete
duplicate.

1945 - All samples for Ø533 out to
shipping. Cleaning up process
tent, switching out liner drum,
decon, etc.

2045 - Done for the day + leaving
facility.

TW

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SSP2

AECOM: T. Watson
E. Fyock
M. Russell

Weather: Mostly sunny, clear, cool.

0715 - Arrived at the site. Wrapping equip; re-stocking tent, calibrating meters, etc.

0840 - Starting to process Station Ø5Ø4 C4-(A-B).

0945 - Ø5Ø4-C4 (A-B) complete; starting to process Ø5Ø4-C4 (B-C).

1055 - Finishing processing Ø5Ø4-C4 (B-C); starting to process Ø5Ø4-C4 (C-D).

1205 - Completing C4 for Ø5Ø4; Start Ø5Ø4-C2 (A-B) processing.

1230 - Processing grab sample for Ø5Ø4-G1. Salinity = 4
PID = Ø H_2S = Ø H_S = Ø TW

Location E. Rutherford, NJ Date 9/24/13

Project / Client LPR SSP2

Ø5Ø4-G1: DK brn SLT (10YR3/1), some f-sand, v. soft, non-plast., saturated, tr. organics

1315 - All samples for station Ø5Ø4 sent to shipping. - Taking lunch break.

1405 - begin processing 0550-C3 (A-B)

~~0205~~ - begin processing 0550-C3 (A-B)

1510 - Completing Ø55Ø-C3 (A-B); starting to process Ø55Ø-C3 (B-C).

1530 - Completing processing Ø55Ø-C3 (B-C); starting to process Ø55Ø-C1 (A-B).

1615 - Processing grab sample from Ø55Ø-G1: DK brown SILT over Sandy SILT, soft - sl. firm, sat - wet, non-plastic, Salinity = Ø PID = Ø H_2S = Ø H_S = Ø

- No samples required from Ø55Ø-C1 (A-B) segment except the 'A' interval.

TW

Location E. Rutherford, NJ Date 9/27/13

Project / Client LPR SSP2

* Station Ø554 - C1 (B-C) segment short. No samples needed except for the F-interval. - F-interval only 0.05' long w/ lg. piece of wood, not able to get remaining analytes filled (SVOCs, TPH extr., + PAHs).

1655 - All samples for station Ø554 out to shipping. Done processing for the day. - Cleaning up process tent, securing IDW waste drums, decon, & prep for monday.

- Performing QC of EDDs.

1945 - Done for the day.

TW

Location E. Rutherford, NJ Date 9/30/13

Project / Client LPR SSP2

AECOM: T. Watson
E. Fyock
J. Reed
M. Russell

Weather: Sunny, clear, cool

0720 - Arrived at site. Complete QC of EDDs for stations Ø504 - Ø566.

0805 - Daily H&S briefing. - Re-Stock supplies in tent, calibrate meters, etc.

0835 - Starting to process station Ø562 as grab only w/ full suite. G2 is primary grab + G1 secondary. G2: DK brn (5YR 2.5/1) SAND, f-m gr. tr. c-sand, silty, abundant organics, wet-sat, loose. Salinity - no water. PID = Ø H_2S = Ø H_g = Ø

TW

Location E. Rutherford, NJ Date 9/30/13

Project / Client LPR SSP2

0850 - Starting to process Station Φ56Φ - C1 (A-B). - * Splitting 'B' & 'C' intervals w/ GPA.

- Using C1 for Φ562 to complete full suite (grain size, Sulfide, etc) Lithology similar to C2.

- Processing Φ56Φ - C1 (B-C). The F-interval for Φ56Φ C1 shortened @ 5.14' instead of 5.5' due to distinct lithology change to very stiff SILT at bottom of B-C core; possibly native (?) @ 5.19'

1030 - Continue processing Φ56Φ-C1 (B-C); start processing Φ56Φ-C3 (A-B).

1100 - Process grab sample for Φ56Φ-G1: similar to 'A' intervals: DK brn f-m SAND, tr. coarse sand & organics, wet Salinity = no water PID = Φ H_2S = Φ H_g = Φ

TW

Location E. Rutherford, NJ Date 9/30/13

Project / Client LPR SSP2

1130 - Starting to process Φ56Φ-C3 (B-C) - V. stiff SILT w/ red-sand intermixed (transition to native @ 4.9')

1220 - All samples out to shipping for Station Φ56Φ. - Did not use 3rd core (C2). - Taking lunch break

1305 - Back in to process grab only stations. (3).

Φ56Φ-G3: Salinity = 3

(SW) DK brn, f-c SAND, some silt & f-gravel, wet, loose-med. dense (10yr 3/1)
PID - Φ H_2S = Φ H_g = Φ@Φ3

Φ568-G2: Salinity = Φ

(a) DK brn SILT, little clay, tr. fine Sand, wet, low plast, mod soft. (2.5Y 2.5/1)
PID = Φ H_2S = Φ H_g Φ

(SP) Φ565-G1 : Salinity = 2
DK brn, f-SAND, few organics (sticks), loose-med dense, wet-moist (10yr 3/1)
PID - Φ H_2S = Φ H_g = Φ

TW

Location E. Rutherford, NJ Date 9/30/13

Project / Client LPR SSP2

1330 - Starting to process top core for Station Ø5Ø5-C1 (A-B).

1520 - Ø5Ø5-C1 (B-C) processing; starting to process Ø5Ø5-C2 (A-B).

1550 Starting to process Ø5Ø5-C2
Salinity=5, PID=Ø, H_2S=Ø, Hg=Ø
DK brn SILT, little v. fine sand & tr. Clay, sat., non-plast., v. soft. (10YR 3/1)

1610 - Continue processing Ø5Ø5-C2 (A-B); start processing Ø5Ø5-C2 (B-C).

*Notice on Ø5Ø5-C1 @ 5.20' (SILT); notice transition at bottom of C2 @ 5.3', (end of core).

1650 - All samples for station Ø5Ø5 out to shipping. -
- Performing decon & helping shipping crew package bottles & QC coolers.

1820 - Done for the day @ facility. Doing QC on EDDs.

TW

Location E. Rutherford, NJ Date 10/1/13

Project / Client LPR SSP2

AECOM: T. Watson
E. Tyack
M. Russell
J. Reed

Weather: Clear, sunny, cool

0720 - Arrived at facility. - Checking tent for re-stocking requirements. Calibrating meters, wrapping equip. & re-stocking tent.

0820 - Processing station Ø5Ø2-C2 (A-B). - Only 1 core to process.

0825 - Processing Ø5Ø2 grab sample C1
Salinity = 6 PID = Ø H_2S = Ø Hg = Ø
DK brn (7.5YR 3/1) f-m SAND, little-tr. C-sand, some silt, loose - med dense, wet, thin silt layer at top

0900 - Continue processing (A-B) for Ø5Ø2; starting to process Ø559 C3 (A-B).

TW

Location E. Rutherford, NJ Date 10/1/13

Project / Client LPR SSP2

0925 - All samples for station Ø5Ø2 out to shipping. - No 'Archive' sample for the C-interval

* Collecting splits w/ EPA at Ø559 'A' + 'C' intervals; CPG QC on 'B'-interval MS/MSD.

0955 - Processing Ø559-C3 (B-C). Native (SILT) at 6.0'.

1050 - Starting to process Ø559-C2 (A-B); continue processing of C3 (B-C).

1145 ~~1045~~ - Starting to process Ø559-C2 (B-C) for 'G'-interval only.
TW

1155 starting to process Ø559-G1
salinity: 0 PID: Ø H_2S: Ø Hg: Ø
Dk brn, f-silty SAND, med dense, wet-moist, (SM) - 10YR 2/1

~1215 - All samples for station Ø559 out to shipping. Taking lunch break.
TW

Location E. Rutherford, NJ Date 10/1/13

Project / Client LPR SSP2

~1330 - Starting to process Ø5Ø3-C1 (A-B) - only one segment per core this station.
* Collecting EPA split samples on the 'A' interval.

1420 - Processing Ø5Ø3-C2 (A-B); only using the 'A' interval to supplement split w/ EPA. - Do not need Ø5Ø3-C3.
* Ø5Ø3 - 'D' interval: PCDD/PCDF, PCB, Hg + Pest only

1455 - Processing grab sample Ø5Ø3-G1:
Salinity = 5 PID = Ø H_2S = Ø Hg = Ø
DK brn (10YR 3/1) Silty SAND, med dense, wet, tr. m-c sand

1505 starting to process Ø561-C1 (A-B). - changing out core liner drum in tent.

1615 - Starting to process Ø561-C1 (B-C); continue processing C1 (A-B).

1710 - All samples from Ø561-C1 processed. - Will process C2 for Ø561 tomorrow (2 segments).
TW

Location E. Rutherford, NJ Date 10/1/13

Project / Client LPR SSP2

1720 - Cleaning up process tent, post-calibration of meters, diesel, help shipping crew.

1745 - Process crew will go ahead and process the grab sample for Ø561-G3.

1750 - G3: DK brn, silty f-m SAND, wet-sat, sl. HC odor, loose, (SM)
Salinity = Ø PID = Ø, H2S = Ø Hg = Ø

- Performing QC on EDDs from a yesterday + today.

1920 - Left facility for the day.

JR

Location E. Rutherford, NJ Date 10/2/13

Project / Client LPR SSP2

AECOM: T. Watson
M. Russell
J. Reed
E. Fyock

Weather: Sunny, warm

0720 - Arrive D Site. - Continue trying to get new version of EDAT to work for EDD QC.

0750 - Daily H&S briefing. - Wrapping up + re-stocking supplies in process tent, calibrate meters, etc.

0820 - Starting to process Ø561-C2 (A-B) to complete sample sets for 'A' + 'B' intervals.

0910 - Processing Ø561-C2 (B-C) to complete 'C' bottom interval.
* Native material more shallow in 2nd core, no 'C' interval to sample. Not able to get: PAHs, SVOCs, TPH ext. + Grain Size. JR

Location E. Rutherford, NJ Date 10/2/13

Project / Client LPR SSP2

0925 - Starting to process Ø5Ø1-C1 (A-B). * Collecting EPA splits on intervals 'B' + 'C'.

1020 - Starting to Process Ø5Ø1-C2 (A-B); continue processing of C1.

1050 - starting to process Ø5Ø1-G2 grab sample. salinity=Ø
PID=Ø H_2S=Ø Hg=Ø
DK brown f-SAND, some silt, med dense, wet, few organics at surface

* possible native material (red sand) in core shoe for Ø5Ø1-C2; none in core.

1130 - Starting to process Ø5Ø7-C2 (A-B).

1135 - Processing grab sample from Ø5Ø7-G1: DK brn/blk sandy SILT, some ~~little clay, non-plastic, med silt~~ wet - sort., HC staining + odor, some organics (sticks, leaves). TW

Location E. Rutherford, NJ Date 10/2/13

Project / Client LPR SSP2

Ø5Ø7 G1: Salinity=5
PID=Ø H_2S=Ø Hg=Ø

1155 - Taking lunch break

- Back into continue processing Ø5Ø7-C2 (A-B).

1315 - Starting to process Ø5Ø7-C3 as secondary core.

1405 - All samples for station Ø5Ø7 out to shipping.
- Starting to process Ø572-C1 (A-B); no grab for this station.
* Native in ~~Ø572~~ Ø5Ø7 C1 @ 2.27' (SILT)
Ø572-C3 has thin silt w/ shells (0.03') over native SILT, no samples.
- Only able to get PCDD/PCDF, PCBs, Hg, + Pest. for 'A'-interval @ Ø572.
- Did not get TPH ext. + Archive at 'B'-interval for Ø572.
- ~~Only able to get PCDD/PCDF, PCBs, Hg,~~ pest. + metals (no archive) + grain size (minimal) for 'C'-interval @ Ø572. TW

Location E. Rutherford, NJ Date 10/2/13

Project / Client LPR SSP2

- All samples for Ø572 out to shipping

1600 - Starting to process grab only station Ø513. - Collecting duplicate on sulfide + nutrients only.
- Description of grab entered directly into YUMA. DK brn - blk SILT (OL), little clay + f-sand, blk staining + HC odor, soft, sat., non-plastic

1615 - Starting to process Ø573-C2(A-B)
All samples for Ø573 cores out, processing grab sample for Ø573-G3
G3: DK brn f-SAND, little m-c sand, tr. shells + glass, wet, med dense, little silt + organics.
Salinity = Ø PID = Ø H_2S = Ø Hg = Ø

TW 1735 - Processing Ø573-C4 (A-B).

1750 - Station Ø573 completed; done processing for the day. Decon, change out drums, etc. - QC EDPs.

Location E. Rutherford, NJ Date 10/3/13

Project / Client LPR SSP2

AECOM: T. Watson
E. Fyock
M. Russell
J. Reed

Weather: Sunny, warm

0725 - Arrived at facility. - Daily H&S briefing.
0800 - Process crew taking weekly equipment rinse blank + re-stocking trent w/ supplies.

0855 - Processing station Ø574; will collect EPA QC (1 Dup 'A' + 1 MS/SD 'C') on 'A' + 'C' intervals; CPP MS/SD on 'B' interval.

Ø574-C2 (A-B)

- Processing Ø574-C2 (B-C)
*Native material (SAND + SILT) at 7.4'
Sample intervals A-H

Location E. Rutherford, NJ Date 10/3/13

Project / Client LPR SSP2

1130 - Starting to process Ø574-C1 (A-B). Using for 'A-C' intervals only.

1225 - Starting to process Ø574-C3 (A-B) - Supplementing for 'A' interval only.

1240 - Processing grab from Ø574-G2
G2: DK brn, f-m SAND, some C-sand + fm-c gravel, wet, med dense, tr. SLT + Shell frags. (SW)
Salinity = Ø PID = Ø H_2S = Ø O_2 = Ø
- Grab material similar to 0-0.5' of cores.

1300 - Completed processing cores for Station Ø574, all samples out to shipping. - Taking lunch break.

1405 Starting to process Ø557-C2 (A-B) + Native material (f-SAND) at 4.56

TW

Location E. Rutherford, NJ Date 10/3/13

Project / Client LPR SSP2

1545 finishing Ø557-C2 (A-B) (native @ 4.56)
Starting to process Ø557-C1 (A-B) - supplementing for 'A' interval only

1555 - Processing Ø557 grab sample G1.
G1: DK brn/gry SILT, v. soft-soft, some organics, little clay + f sand, sat., non-plast. (10YR3/1)
Salinity = Ø PID = Ø H_2S = Ø O_2 = Ø
- All samples for Station Ø557 out to shipping.

1620 - Processing Ø506-C2 (A-B). - Native transition c/o/sw, no native.

1710 - Processing Ø506-C3 (A-B).
Top 0-0.5' of C3 very different than top of C2. Entire core very different from C2.

1725 - Processing the grab sample from Ø506-G1: DK brn/blk SILT, soft, sat., non-plast., graded over sand, f-fr silty, organics at top.

TW

Location E. Rutherford, NJ Date 10/3/13

Project / Client LPR SSP2

Ø5Ø6-G1: Salinity = 7 PID = Ø
H_2S = Ø H_g = Ø

* Station Ø5Ø6: not able to get SVOCs + TPH extr. from the 'C'-interval

1800 - All samples for station Ø5Ø6 out to shipping.
- Post-calibration of instruments, decon, etc., QC EDDs.

1945 - Done for the day.

TW

Location E. Rutherford, NJ Date 10/4/13

Project / Client LPR SSP2

AECOM: T. Watson
J. Reed
M. Russell
E. Fyock

Weather: Sunny, clear, ~65°

0725 - Arrived at facility. Prep for processing, re-stock fuel, etc.
- Daily H+S briefing for facility personnel. Calibrate meters.

0830 - ~~0815~~ - Starting to process Ø555-C1 (A-B), - Native (red SAND + SILT) @ 1.22'.

0915 - Continue processing Ø555-C1 (A-B), starting to process Ø555-C2 (A-B).

- C2 (A-B) has more sediment over native; will collect intervals for 'C' + 'D' from C-2, - Native at 3.0' (red SAND). - 'C'-interval shortened to 0.5' to get a full 1-ft for the bottom 'D'-interval.

AD

Location E. Rutherford, NJ Date 10/4/13

Project / Client LPR SSP2

1040 - Starting to process the grab sample for ϕ555-G1.
Salinity = ϕ PID = ϕ H_2S = ϕ H_2 = ϕ
G1: DK brn/blk stained clayey SILT, tr. f-sand, v. soft - med stiff, saturated, low plast., mod. HC odor (10YR 3/1); thin lighter brn silt at top.

*ϕ555: 'D' interval did not get TPH ext. all other bottles filled. 'C' interval did not get SVOCs, TPH extr., + Archive.

1045 - Starting to process ϕ558-C2 (A-B).

1155 - Completing processing ϕ558-C2 (A-B); starting to process ϕ558-C2 (B-C).
*Native material (VC-f SAND) @ 5.75'.

- Switching out full PPE drum.

~1230 - All samples for ϕ558-C2 cont TW to shipping. Taking lunch break

Location E. Rutherford, NJ Date 10/4/13

Project / Client LPR SSP2

1330 - Starting to process ϕ558-C3 (A-B).

1340 - Processing grab sample from ϕ558-G1. Salinity = ϕ
G1: DK brn, f-SANDy SAND, med. dense, wet-moist, some-little organics (10YR 3/1)
PID = ϕ H_2S = ϕ H_2 = ϕ

1400 - Processing grab only samples ϕ548 and ϕ520 for full suite.

ϕ548-G3: f-c SAND + f-c GRAVEL, loose, wet, tr. silt, some red sub-rounded gravel. Salinity = No water PID = ϕ H_2S = ϕ H_2 = ϕ - Used material from G2 for grain size only (same).
ϕ520-G1: DK brn SILT, some-little f-sand + organics, little-trace clay, saturated, soft, non-plast. Salinity = ϕ PID = ϕ H_2S = ϕ H_2 = ϕ

TW

Location E. Rutherford, NJ Date 10/4/13

Project / Client LPR SSP2

1425 – All samples for stations Ø558, Ø5Ø8 + Ø52Ø out to shipping.
– Starting to process grab only stations Ø567 (w/ EPA split) and Ø522 (CPG Duplicate). – Full suite.

Ø522 – G1: DK brn SILT, v. soft, little organics, tr. f-sand + clay, non-plast., sat., 10YR 3/1.
Salinity = no water.
PID = Ø H_2S = Ø Hg = Ø

Ø567 – G2: DK brn SILT, v. soft, tr. organics, + f-sand, non-plast., sat., 10YR 3/1.
Salinity = Ø PID = Ø H_2S = Ø
Hg = Ø

~1515 – All samples for stations Ø567 + Ø522 out to shipping. Done processing for the day. Helping shipping package coolers, decon, clean tent, post-calibration, etc. – QC of EDDs.

1940 – Done for the day

TW

Location E. Rutherford, NJ Date 10/7/13

Project / Client LPR SSP2

AECOM: T. Watson
E. Fyock
J. Reed
M. Russell

Weather: Overcast, cool; ~60°, storms late

0750 – Arrived at facility. Daily H+S briefing. – Prep. for processing, wrap equip., calibrate meters, re-stock, etc.

0845 – Processing grab sample for station Ø57Ø – G3. – Minimal material in grab bucket.
G3: DK brn (2.5Y 2.5/1) SILT, sat., some f-sand, few organics, non-plast., v. soft.
Salinity = too murky PID = Ø H_2S = Ø Hg = Ø
* No cores for this station; grab analytes for full suite. – Only able to get PCDD/PCDF, PCBs, + Hg for ~~Ø57Ø~~ Ø57Ø – G3.

TW

Location E. Rutherford, NJ Date 10/7/13

Project / Client LPR SSP2

0850 - Starting to process ϕ571 - C3 (A-B). - Doing EPA split on the 'B' interval + 'C' interval.

0950 - Processing ϕ571-C3 (B-C).

1050 - Processing ϕ571-C3 (C-D).

1135 - Completed processing ϕ571-C3 cores; starting to process ϕ571-C4 (A-B)

1200 - Processing grab sample from ϕ571. ϕ571-G2: DK brn SILT + Organics, v. soft - soft, sat., non-plastic, little - some f-m sand, (organics leaves + sticks).

1225 Processing ϕ571-C4 (A-B) for 'A-C' intervals. — Starting to open ϕ571-C4 (B-C) for logging only; no samples needed.

- Processing ϕ571-C4 (C-D); need J, L, M.

1325 - All samples for station ϕ571 sent to processing. - Taking lunch break.

TW

Location E. Rutherford, NJ Date 10/7/13 (TW)

Project / Client LPR SSP2

1410 - Starting to process ϕ529-C2 (A-B)

1420 - Processing grab sample for ϕ529-G1 Collecting duplicate + MS/SD on sulfide + nutrients only. ϕ529-G1: f-c SAND, some - little organics (sticks), little (TW) and silt, little f-m gravel, med dense, wet (GW) salinity = 2 PID = ϕ H_2S = ϕ LEL = ϕ

1515 - Processing ϕ529-C2 (B-C); Native (red SILT/f SAND) @ 4.20'

1545 - Starting to process ϕ529-C3 (A-B) to supplement the 'A' interval only.

1610 - All samples for station ϕ529 sent to shipping. - Boat crew off the water early today due to bad weather; done processing for the day.

- Switching out drums, post-calibrations, decon, etc. - Expense reports.

1800 - Leaving for the day.

TW

Location E. Rutherford, NJ Date 10/8/13

Project / Client LPR SSP2

AECOM: T. Watson
J. Reed
E. Fyock
M. Russell

Weather: Sunny, ~50°

0730 - Arrived @ facility. — Daily HASS briefing. - Prep for processing, calibrate meters, re-stock plant, etc.

0835 - Start to process Φ556-C2 (A-B). Will collect BPA splits on intervals 'A'; CPG MS/SD on 'B' interval

0845 - Processing grab sample Φ556-G1. DK brn SILT, some f-m sand, little organics (tunicates, sticks), v. soft-soft, wet, non-plast. Salinity=0 PID=0 H_2S=0 Hg=0

0930 - Continue processing Φ556-C2 (A-B); Starting to process ~~Φ556-C1~~ Φ556-C1 (A-B).

* Native in Φ556-C2 at 2.38' (red sand)

TV

Location E. Rutherford, NJ Date 10/8/13

Project / Client LPR SSP2

* Native (red sand) in Φ556-C1 at 2.72', 'C' interval extended to 2.72'

1040 - ~~Φ556~~ Processing Φ556-C3 (A-B)

1055 - Starting to process Φ534-C2 (A-B). Collecting a CPG duplicate on the 'A' interval.

~1220 - Taking lunch breaks.

1330 - Processing Φ534-C2 (B-C) - No native material in Φ534.

1425 - Processing Φ534-C3 (A-B) for 'A' interval only. (Duplicate)

1440 - Starting to process grab sample Φ534-G1. - Looks very similar to 'A' material —
DK brown SILT over b/k stained clayey SILT, v. soft-soft, some f-m sand, sat.-wet, low plast., Str. HC odor, tr. organics + gravel
PID=0 H_2S=0 Hg=0
Salinity=2

TV

Location E. Rutherford, NJ Date 10/8/13

Project / Client LPR SSP2

- Grab sample used to supplement for duplicate collected from ϕ534 - 'A' interval (PAHs on down).

1500 - Starting to process ϕ511 - C3 (A-B). Collecting EPA split on the ~~B~~ TW B' interval.

1605 - Started to process ϕ511 - C3 (B-C) - 'G' interval shortened to get full 1-ft for bottom interval 'H'.

1710 - Starting to process ϕ511 - C1 (A-B).

1730 - Processing grab sample ϕ511 - G1.
Salinity = too murky
PID = ϕ H_2S = ϕ H_S = ϕ
- grab sample similar to 'A' interval
DK brn SILT, some - little clay & f-sand, v. soft - soft, sat., tr. organics (leaves, sticks), non-plastic
* Collecting duplicate on Grab G1.

~1800 - Processing ϕ511 - C1 (B-C) for 'G' interval only.

TW

Location E. Rutherford, NJ Date 10/8/13

Project / Client LPR SSP2

* - Native (red SILT/SAND) at 7.55' in C1 @ ϕ511 — no native in C3.
- 'H' interval in C1 very different than C3; SAND/Gravel transition above native in ~~C1~~ TW C1; ~~blk SILTY CLAY, stained~~ TW; Silty SAND w/ clay, gray/blk in C3. - No material used from C1 for the 'H' interval.

1840 - All samples for ϕ511 out to shipping. - Cleaning up process area, particial decon (waiting on more HNO_3), post-calibration, etc.

1945 - Left facility for the day.

TW

Location E. Rutherford, NJ Date 10/9/13

Project / Client LPR SSP2

Accom: T. Watson
E. Fejode
J. Reed
M. Russell

Weather: Sunny, clear, ~ 55°

0730 - Arrived at facility. - Daily H+S briefing. - Work collect equipment rinse blank this morning + QC station for EPA.

- Calibrating meters, re-stocking sediment supplies, etc.

0815 - Collecting rinse blank for process sediment.

0840 - Processing Φ527 w/ EPA QC + CPG MS/SD) - Φ527-C2 (A-B). ⇒ EPA MS/MSD on 'A'; CPG MS/MSD in 'B'; + EPA Duplicate on 'C'.

TW

Location E. Rutherford, NJ Date 10/9/13

Project / Client LPR SSP2

0935 - Continue processing Φ527-C2; start to process Φ527-C3 (A-B).

1025 - Processing Φ527-C1 (A-B) for 'A' interval jars only.

1050 - Starting to process grab Φ527-G1. - Looks completely different than the 'A' interval from all 3 cores. G1: Thin layer brn SLST, v. soft, sat. - over blk stained silty f-SAND, some - little clay, non-plastic, soft, tr. gravel + organics, sl.-mod HC odor. (2.5 Y 2.5/1) Salinity = Φ PID = Φ, H_2S = Φ H_2 = Φ

1100 - Using Φ527-C4 (A-B) to get more representative grain size sample for the 'A' interval.

1135 - All samples for Φ527 sent to shipping. - Starting to process Φ515-C1 (A-B).

1145 - Starting to process Φ515-G1.

TW

Location E. Rutherford, NJ Date 10/9/13

Project / Client LPR SSP2

Ø515-G1 = DK brn/blk SILT; little f-m sand, tr clay, some little organics, sat., vi soft-soft, sl. HC odor Salinity=1 PID=Ø H_2S=Ø Hg=Ø

1215 - Continue processing Ø515-C1, native (SILT) at 1.71'. - Start to process Ø515-C2 (A-B).

- 'B' interval extended to 1.71' (no 'C'); lg gravel in 'B' interval

- Ø515-C2 appears that native material is deeper; opening core to check for a 'C' interval. - Native in Ø515-C2 @ 2.19' - collecting 'C'-interval from ~~1.5-2.19'~~ 1.9-2.19' (no 'B' needed, collected from primary core C1) 10/11/13

- All samples for Ø515 out to shipping. Taking lunch break.

1355 - Starting to process Ø526-C1 (A-B) TW 10/11/13 * Collected CPG Duplicate on 'C' interval.

~1500 - Processing Ø526-C1 (B-C), Native (red-brn SAND f-c) at 7.62'. TW

Location E. Rutherford, NJ Date 10/9/13

Project / Client LPR SSP2

1625 - Starting to process Ø526-C2 (A-B) for 'A' interval + 'C' w/ dup.

1640 - Processing grab sample Ø526-G1; * collecting MS/MSD on grab sample. G1: DK gy/brn, f-m SAND, little silt + c-sand, saturated, loose-med. dense, Salinity=1 PID=Ø H_2S=Ø Hg=Ø to f-m gravel.

1710 - All samples for Ø526 out to shipping.

- Performing decon, post-calibration, cleaning process area, etc.
- QC EDDs

1945 - Leaving facility for the day.

TW

Location E. Rutherford, NJ Date 10/10/13

Project / Client LPR SSP2

AECOM: T. Watson
M. Russell
J. Reed
E. Fyock

Weather: Partly cloudy, Humid, ~50°

0645 – Arrived at facility. – Catching up on EDDs.

0750 – Daily H+S briefing. Calibrate meters, na-stock tent, etc.

0815 – Starting to process Φ532-C1(A-B)

0900 – Processing Φ532-C2 (A-B) for 'A' interval only.

0930 – Processing grab sample from Φ532-C1 (very similar to 'A' interval)
DK brn SILT over f-SAND, little m-sand - silt, med dense, wet
Salinity = Φ PID = Φ H_2S = Φ
Hg = Φ

TW

Location E. Rutherford, NJ Date 10/10/13

Project / Client LPR SSP2

0955 – Starting to process Φ521-C2 (A-B). – Collecting splits w/ EPA on the 'A' + 'C'; collecting CPG MS/SD @ 'B'.

1045 – Starting to process Φ521-C2(B-C).

1130 – Continue processing Φ521-C2 (B-C); starting to process Φ521-C3 (A-B).

1215 – Processing grab sample Φ521-G1: Salinity = 1 PID = Φ H_2S = Φ Hg = Φ
DK brn (10YR 3/1) f SAND, some - little silt, tr. organics (wood), moist, med dense

~1235 – Taking lunch break, all samples for Φ521 out to shipping.

1320 – Starting to process Φ524-C1 (A-B).

TW

Location E. Rutherford, NJ Date 10/10/13

Project / Client LPR SSP2

1330 - Processing grab sample Ø524-G1.
Dk brn SILT, abundant organics (leaves + sticks), little f-sand, soft-wet-sat, non-plast, 1 lg rock
salinity = Ø PID = Ø H_2S = Ø H_g = Ø
- Grab used to complete 'A' interval

1425 - Starting to process Ø524-C1(B-C)

- No Archive bottle for the 'B' + 'E' intervals @ Ø524, 'F' interval also. TW
- No TPH ext, Archive @ 'G' interval (minimal for SVOCs + grain size)

1515 - Starting to process Ø528-C3 (A-B).

1630 - Processing Ø528-C3 (B-C)

1730 - Processing Ø528-C3 (C-D).

1830 - Completing processing Ø528-C3 core; Starting to process Ø528-C4-(A-B) for the 'A' + 'B' intervals.
TW 10/14/13

1830 - Processing grab sample for Ø528-G2
TW

Location E. Rutherford, NJ Date 10/10/13

Project / Client LPR SSP2

Ø528-G2: Salinity = 1
Dk brn/gry SILT, v. soft, sat., little f-sand, non-plast. 7.5YR 3/2
PID = Ø H_2S = Ø H_g = 0

1900 - All samples for Ø528 out to shipping. Done processing for the day: Decon, post-calibration, clean up process tent, etc.
TW

1945 - Leaving facility for the day.

TW

Location E. Rutherford, NJ Date 10/11/13

Project / Client LPR SSP2

Aecom: T. Watson
M. Russell
J. Reed
E. Fyock

Weather: Overcast, windy, cool, ~50°

0650 – Arrived at facility. – Prep for processing, calibrate meters, etc. Daily H_2S briefing for facility crew.

0755 – Starting to process Φ516-C2 (A-B).

0810 – Starting to process Φ518-~~G2~~ G1 grab only station for full suite (not able to get cores).
Φ518-G1: DK brn, f-SAND, some little silt, wet-moist, tr organic
Salinity = 1 PID = Φ H_2S = Φ
H_g = Φ 10YR 3/1

* Collect on full suite duplicate on Φ518-G1.

TW

Location E. Rutherford, NJ Date 10/11/13

Project / Client LPR SSP2

0945 – Starting to process Φ516-C2 (B-C).

0950 – Continue processing Φ516-C2 (B-C); starting to process Φ516-C2 (C-D).

1120 – Processing grab sample for Φ516-G2: DK brn/grey SILT, some f-sand, v. soft, saturated, non-plastic (10YR 3/1) – OL
salinity = Φ PID = Φ H_2S = Φ H_g = Φ

1140 – Processing Φ516-C3 (A-B) for 'A' + 'B' intervals only.

1215 – All samples for station Φ516 out to shipping

– switch out 3 drums in Process Tent, clean.

1305 – Starting to Process Φ525-C1 (A-B).

TW

Location E. Rutherford, NJ Date 10/11/13

Project / Client LPR SSP2

1425 - Starting to process Ø525-C1(B-C). - Lt gray @ bottom of liner.
- Processing Ø525-C2(A-B) for 'A'

1520 - Starting to process grab Ø525-G1: DK brn sandy SILT, soft, saturated, little organics, non-plast. Salinity = Ø PID = Ø H_2S = Ø Hg = Ø

1535 - Starting to process Ø536-C1(A-B).

1545 - starting to process Ø536-C1(B-C).

1700 - Continue processing Ø536-C1(B-C); Starting to process Ø536-C3(A-B)

1720 - Processing grab sample Ø536-G1: DK brn-blk sandy SILT, some clay, med stiff-soft, sat., non-plastic, sl-mod. HC odor, blk staining @ Ø.5'. Salinity = Ø PID = Ø H_2S = Ø Hg = Ø

TW

Location E. Rutherford, NJ Date 10/11/13

Project / Client LPR SSP2

1740 - Starting to process grab only station Ø543-G1: Salinity = Ø DK Brn Organics + silt, little f sand, saturated, loose PID = Ø H_2S = Ø Hg = Ø
* Full suite station

1805 - All samples for Ø543-G1 sent to shipping. - Done processing for the day.

- Performing decon, post-calibration, cleaning processing area, etc. - QC paperwork

2000 - Leaving facility for today.

TW

Location E. Rutherford, NJ Date 10/14/13

Project / Client LPR SSPR

AECOM: T. Watson
C. Frack
J. Read
M. Russell

Weather: Clear, cool, ~48°.

0720 - Arrived at facility. Daily HAS briefing. - Re-stock supplies in truck. Daily HAS briefing.

0855 - Starting to process station Φ535 - C2 (A-B). - Native (SILT) @ 2.45'.

0945 - Starting to process Φ535 - C3 (A-B) - Native visible through liner @ approx. 0.9'; only processed top 0.5'.

1010 - Processing grab sample Φ535 - G1
Salinity = 1 - Sonotube to 4' interval
DK brn SILT, abundant organics, some f-sand, saturated, non-plastic, v. soft.
PID = Φ H_2S = Φ H_2 = Φ (10YR 3/1)

TW

Location E. Rutherford, NJ Date 10/14/13

Project / Client LPR SSPR

1015 - Starting to process Φ542 - C2 (A-B).

1120 - Continue processing Φ542 - C2 (A-B); starting to process Φ542 - C2 (B-C). - Native material (SILT) at 7.55'

1215 - Processing Φ542 - C3 (A-B) and grab sample Φ542 - G1.
G1 - Salinity = Φ
DK brn silty f-SAND, little clay, med dense, wet, tr. organics; brick frag. (SM) - 10YR 3/1
PID = Φ H_2S = Φ H_2 = Φ

~1230 - Taking lunch break. All samples for station Φ542 out to shipping.

1340 - Starting to process Φ541 - C1 (A-B).

1455 - Continue processing Φ541 - C1 (A-B); starting to process Φ541 - C1 (B-C). Native @ 5.67' (red sand)

TW

Location E. Rutherford, NJ Date 10/14/13

Project / Client LPR SSP2

1540 - Processing grab sample Ø541-G1 Dk brn SILT, v. soft, Sat., some f-sand, little clay & organics, nonplast. Salinity = 1 PID = Ø H_2S = Ø H_2 = Ø

1530 - Processing Ø541-C2 (A-B) for the 'A' & 'B' intervals.

1605 - All samples for Ø541 out to processing. - Done processing for the day.
- Decont equipment, post-calibrate, cleaning tent, change out sediment drum, etc.

1730 - Process crew done for the day.
- Doing QC on EDDs.

1800 - Leaving facility for the day. —

TW

Location E. Rutherford, NJ Date 10/15/13

Project / Client LPR SSP2

AECOM: T. Watson
J. Reed
M. Russell
E. Fyock

Weather: Clear, sunny, 50°

0705 - Arrived at facility, Daily H&S briefing. - Wrap supplies, new stack tent, etc.

0820 - Starting to process Ø531-C2 (A-B). - Will do CPG QC & EPA * split on this station. CPG MS/MSD 'B' interval, duplicate on 'A' interval; & EPA split on 'C' interval.

0910 - Starting to process Ø531-C2 (B-C). Native material (red brn SILT/VFSAND) at 4.42'.

0945 - Starting to process Ø531-C1 (A-B).

TW

Location E. Rutherford, NJ Date 10/15/13

Project / Client LPR SSPZ

1010 – Processing grab sample ϕ531-G1. Salinity = ϕ – grab is similar to C1-'A' interval. Dk gry (2.5Y 4/1) f-c SAND, some-little silt, few organics (sticks), loose-med dense, little f-m gravel, wet.
PID = ϕ H_2S = ϕ, H_3 = ϕ

1030 – Processing ϕ531-C3 (A-B) for A-interval + QC only.
– All samples for ϕ531 out to shipping.

1045 – Starting to process ϕ554-C1 (A-B) Collecting CPG MS/MSD on 'A' interval

1200 – Processing ϕ554-C1 (B-C) – TV
*Native at 4.70 (mud/bm SILT + SAND)

1215 – Starting to process ϕ554-C4 (A-B).

1225 – Processing grab sample ϕ554-G2. Salinity = ϕ ⇒

TV

Location E. Rutherford, NJ Date 10/15/13

Project / Client LPR SSPZ

ϕ554-G2: Dk brn sandy SAND/ Sandy SILT, little clay, few organics (sticks/leaves), saturated, soft (10YR 2/1).
PID = ϕ H_2S = ϕ H_3 = ϕ

1245 – All samples for station ϕ554 out to processing. – Taking lunch break.

1345 – Re-stacking supplies in process tent. – Starting to process ϕ569-C1 (A-B). – No native material.
*Shortening the 'D' interval to get a full 1-ft for the 'E' interval.

1455 – Continue to process ϕ569-C1 (A-B). – Starting to process ϕ569-C2 (A-B). – No grab sample.
*Not able to get grab to 'A'.

1550 – Processing ϕ569-C2 (B-C) to complete the 'D' interval.

TV

Location E. Rutherford, NJ Date 10/15/13

Project / Client LPR SSPZ

1615 - Starting to process Grab only station Φ576-G3 (no cores obtained). - Full suite on grab Φ576-G3: DK brown silty SAND f-mgr, some C-gravel, angular, little C-sand & organics, saturated, ~.5 ft - loose, Salinity = Φ PID = Φ H_2S = Φ O_2 = Φ

1625 - All samples from station Φ569 out to shipping.

1640 - All samples ~~from~~ from station Φ576 out to shipping. - Done processing. - Cleaning up process area, decon'ing, etc. - QC EDDs

1845 - Done for the day, leaving field. TW

Location E. Rutherford, NJ Date 10/16/13

Project / Client LPR SSPZ

AECOM: T. Watson
J. Reed
E. Fyock
M. Russell
P. Kareth

Weather: Overcast, cool, ~50°

0733 - Arrived at facility. Paul Kareth onsite as replacement. - Daily H_2S training, process crew training, re-stock tent, etc.

0810 - Collecting equipment rinse blank.

0800 - Starting to process Φ540 - C4 (A-B).

0950 - Starting to process Φ540 - C4 (B-C)

1100 - Processing Φ540 - C4 (C-D) + Native (Coal SAND) at 11.25

TW

Location E. Rutherford, NJ Date 10/16/13

Project / Client LPR SSP2

1140 – Starting to process 0540-C3 (A-B) for A, B, + C intervals.

1200 – Starting to process grab sample 0540-G2 – similar to 'A' interval DK brn SILT, some f-sand, little-trace clay + organics, sat., v. soft.. Salinity = 1 PID=0 H_2S=0 Hg = 0

1225 – All samples for station 0540 cont to shipping. Taking lunch break.

1335 Starting to process 13B-0538-C3 Undisturbed 4.8 ft

1540 starting to process 0538-C2 for 'A' sample

1545 Process grab sample ~~0553~~ PK 0538-G1

OL Black organic silty CLAY, soft, wet, slight plasticity, trace gravel, occassional roots

salinity = 0, PID = 0, H_2S = 0, Hg = 0

TW

Location E. Rutherford, NJ Date 10/16/13

Project / Client LPR SSP2

1600 start processing 13B-0553-C2 "D" sample only collected Dioxins, PCBs Hg, Pesticides, metals/CN/butyl/ins./TOC.

1200 Grab 0553-G2 and duplicate – OL - Black organic silty, CLAY, some fine sand, trace gravel, soft, low plasticity, saturated, roots, twigs, 10YR 2/2 salinity = 0 PID=0 H_2S=0 Hg=0.002

1650 start processing 0553-C1 for 'A' sample only, no 'D' sample available

1730 All samples from 0538 and 0553 cont to shipping, Done processing

- Conducting decon, post-calibration, cleaning up process area, etc.

1900 – Done for the day.

TW

Location E. Rutherford, NJ Date 10/17/13

Project / Client LPR SSP2

AECOM - P Kareth
J Reed
M. Russell
E. Fyock

8:00 arrive at facility, daily H&S briefing
restock tent, calibrate meters

850 Start processing 13B 0539-C3 (A-B)
Duplicate on A interval

1000 start B-C

1030 Start 13 0539 C2 (A-B)
only processed A interval
thru archive only, grab-PAH, SVOC, TPH

1100 start grab 13 B 0539 G2 A5

OL - Black organic silty CLAY,
soft, low plasticity, some gravel
twigs 10YR 2/2
sal = 0, PID = 0, H_2S = 0, Hg = 0

1130 start processing 13B-0537-C3
A-B
A sample extended to 0.85
become Native at 0.85

Location E. Rutherford, NJ Date 10/17/13

Project / Client LPR SSP2

1210 start processing 13B 0537-C2

1230 Start processing 13B 0537-G2
muck on top
SM-dark brown silty fine SAND
trace clay, loose, trace gravel,
twigs 10YR 2/2
salinity = 1 PID = 0 H_2S = 0 Hg = 0

1250-1330 lunch

1345 start processing 13B-0544-C2

1430 start processing 13B-0544-C1

1530 start grab 13B-0544-G1A5
OL - Black organic silty CLAY,
trace gravel, twigs, plastic
soft 10YR 2/2

1600 cleanup All samples from 0539, 0537
and 0544 out for shipping
decon equipment, check yesterdays logs

1715 done for the day

PK

Location E. Rutherford, NJ Date 10/18/13

Project / Client CPR SSPZ

AECOM PKareth
JReed
MRussell
EFyock

0730 arrive at site, H&S briefing
restock tent, calibrate meters

0815 start processing 13B-0552-C3 (A-B)
MS/MSD (C3B) Duplicate (C3C)

930 start processing 13B-0552-C1 (A-B)

1010 start processing 13B-0552-C2 (A-B)

1980 start processing grab 13B-0552-G2
OL - Black organic silty CLAY,
soft, low plasticity, trace sand,
leaves, trash
Sal=0, PID=0, H_2S=0, Hg=0

1115 lunch

1215 start processing 13B 0575-C4 (A-B)

1255 start processing 13B-0575-C4 (B-C)

Location E. Rutherford, NJ Date 10/18/13

Project / Client CPR SSPZ

1410 start processing grab 13B-0575-G1
OL - Black organic silty CLAY,
some fine sand, soft low plasticity
saturated, roothairs, twigs
Sal=0, PID=0, H_2S=0, Hg=0

1330 start processing 13B-0575-C1 (A-B)

1430 start processing grab 13B-0577-G1
SM - Dark brown silty fine SAND,
some clay, loose, wet, leaf
litter, roots, trash 10YR 2/2
Sal=0, PID=0, H_2S=0, Hg=0

1430 MR starts equipment decon
clean up tent, end of day calibration
QC 10/12/13 logs

Location E. Rutherford, NJ Date 10/21/13

Project / Client LPR 35P2

AECOM PKareth
E Exock
J Reed

Weather sunny cool, 45°

800 arrive on site, H&S briefing restock tent, calibrate meters

0900 start processing 13B-0548-C1 A-B

0915 start equipment blank 13B-0548-C1AR

1015 start processing 13B-0548 C1 B-C

1115 start processing 13B-0548 C1 C-D

1230 start processing 13B-0548 C2 A-B Duplicate of "B" interval, MS/MSD in "C" interval

1310 start processing grab 13B-0548-G1

SM - Dark Gray silty fine SAND, some clay, thin layer of mulch on top, loose, saturated
Sal = 0, PID = 0, H2S = 0, Hg = 0

Location E. Rutherford, NJ Date 10/21/13

Project / Client LPR 35P2

1330-1430 lunch break

1430 start processing 13B-0549-C3 (A-B)

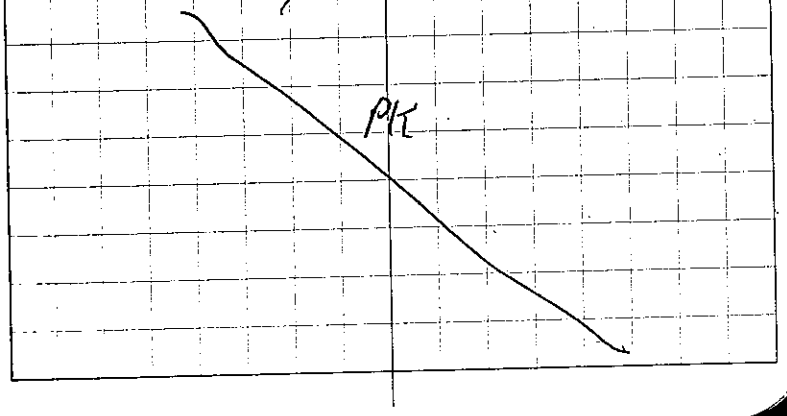
1530 start processing 13B-0549-C2 (A-B)

1620 start processing 13B-0549-G1 (grab)

OL - Black organic silty CLAY, some sand, medium plasticity, soft, leaf litter, saturated
Sal = 0, PID = 0, H2S = 0, Hg = 0

1630 cleanup tent, decon equipment

1800 end of day



Location E. Rutherford, NJ Date 10/22/13

Project / Client LPR SSP2

AECOM P. Kareth, E. Fyock, J. Read

Weather: sunny, 45-65°

8:00 Arrive on site, H&S briefing restock tent, calibrate equipment QC EDDs

09.00 start processing 13B-0517-GZ AS

SM- Dark brown silty c-f SAND, some c-f gravel, wet, dense
5YR 3/3
Sal = 2, PID = 0, H_2S = 0, Hg = 0

~~Warehouse inventory~~ PK

1000 conduct warehouse inventory

1200-1300 lunch

1415 ~~start~~ processing 13B-0519-CZ-AB

1550 start processing 13B-0519-CZ-B-C

1710 start processing 13B-0519-CZ-C-D

Location E. Rutherford, NJ Date 10/22/13

Project / Client LPR SSP2

1830 cleanup tents, end of day calibration, decon equipment

1930 End of day

PK

Location E. Rutherford NJ Date 10/23/13

Project / Client LPR SSP2

AECOM - P. Kareth, E. Fyock, J Reed

Weather; overcast 40-55°

0800 Arrive on site, H&S briefing restock tent, calibrate equipment

0900 start processing 13B-0519-C2 D.E did not fill anchovie for Q

1010 start processing 13B-0519 C5 A-B

1030 start processing grab 13B 0519-G1

SC Black clayey, fine SAND, some silt, loose, twigs, ~~pieces~~ pieces of wood, root hairs 10YR 2/2

Sol=1, PID=0, H2S=0, Hg=0

1100 finish processing for the morning decon equipment

1215 lunch

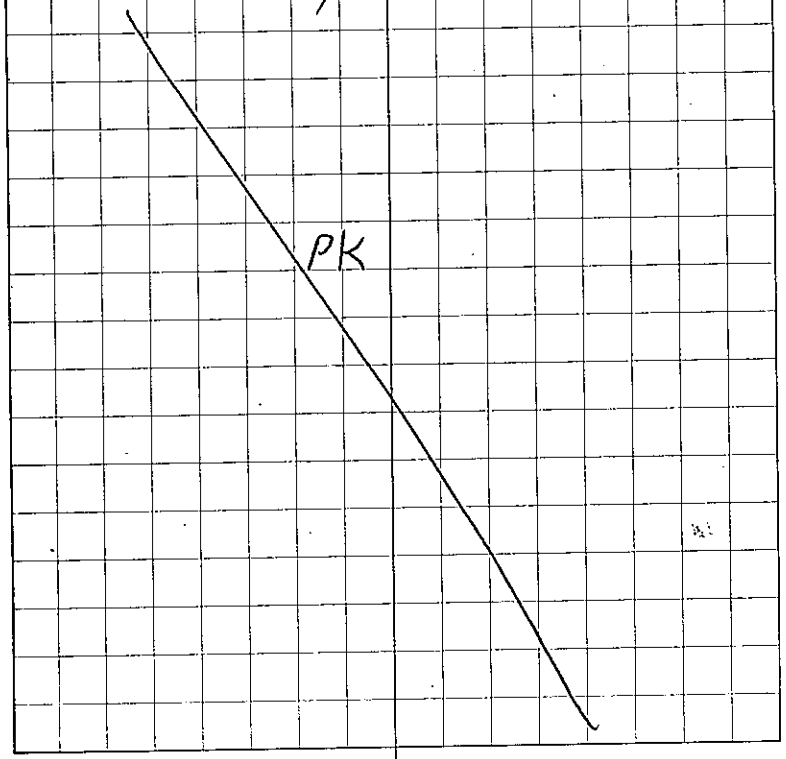
Location E. Rutherford, NJ Date 10/23/13

Project / Client LPR SSP-2

1330 help pack coolers finish decon

1530 Received word there will be no more cores today, pack up tent, cleanup

1600 end of day



Location E. Rutherford Date 10/24/13

Project / Client LRR-55P2

AECOM P. Kareth, Fyock, J. Reed, R. MacPhee

Weather sunny, 40-65°

0900 Arrive on site, H&S briefing
restock demob

0945 start processing 13B-0523-G2

OL - Black organic silty CLAY,
very soft, low plasticity, leaf
litter, saturated
10YR 2/2
Sal=1, PID=0, H_2S=0, Hg=0

1030 QC EDDs
decon liners

1130-1230 lunch

1245 start processing 13B-0578-C1 A-B
(high res)
issue with volume on analyses
for high res core samples

Location E. Rutherford, NJ Date 10/24/13

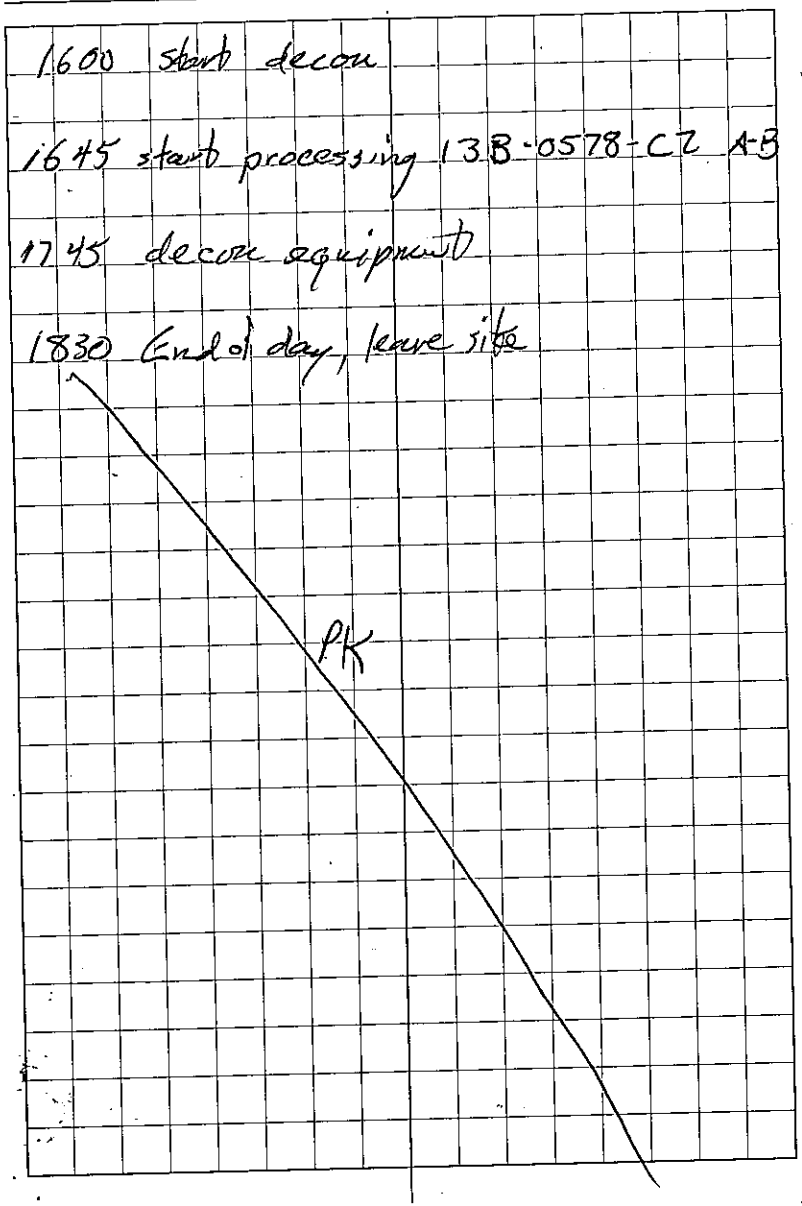
Project / Client LPR-55P2

1600 start decon

1645 start processing 13B-0578-C2 A-B

1745 decon equipment

1830 End of day, leave site



Location E. Rutherford, NJ Date 10/25/13

Project / Client LPR 55P2

AECOM P. Kareth, J. Read, E. Fyock R. MacPhee

Weather - sunny 35°

0730 Arrive on site, H & S briefing
restock tent, decon equipment
calibrate instruments PK 10/26/13

0900 start processing 13B-0578-C5B A-B
duplicate on C
MS/MSD on B PK 10/26/13

1030 start processing 13B-0578-C5B BC
gap at top, scooped 0.25 ft of material

1120 start processing 13B 0578 C6 A-B

1230 start processing grab 13B-0578-G2

OC - Black silty CLAY, tr
trace fine sand, saturated
very soft, trace gravel
Sal = 0, PID = 0, H_2S = 0, Hg = 0

Location E. Rutherford, NJ Date 10/25/13

Project / Client LPR 55P2

1300 start processing 13B-0578-C7 A-B

1330 - 1410 lunch
resume processing

1440 start processing 13B-0578-C8 A-B

1630 start processing 13B-0578-C8 B-C
PK 10/25/13

1830 end processing
clean up tent, decon equipment
end of day calibration

1900 end of day
leave site

PK

Location E. Rutherford, NJ Date 10/26/13

Project / Client LPR SSP2

0900 arrive P. Karelis, J. Reed, E. Fyock, R. MacPherson

weather: sunny 40-60°
H & S briefing
decon equipment / restock tent
calibrate equipment

1000 start processing 13B 0547 C5 AB
high res

1130 start processing 13B 0547 C5 B-C

1315 lunch

1345 resume processing

1400 end processing, cleanup tent
decon, pack samples for shipping
QC core logs
clean up warehouse area

1700 end of day

PK

Location Date

Project / Client

FIELD LOGBOOK ID #
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- TRANSPORTER-01

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~~CONTENTS~~

AUTHOR INFORMATION

PAGE	REFERENCE	DATE
1.	Nathan Pinsker PRINTED NAME	
	Nathan Pinsker SIGNATURE	NP INITIALS
2.	PRINTED NAME	
	SIGNATURE	INITIALS

Reference Page Index

CONTENTS

PAGE	REFERENCE	DATE

Location East Rutherford, NJ CP6 Date 9/23/2013

Project / Client LPR LRC SSP2 / DMI

Author: Nathan Pinsker (AECOM Columbia, MD)

0815 Health and Safety meeting
Go over tasks, roles, decon, and schedule

Tasks: Pick up core samples in the chaser boat, sign COC, and then deliver to processing facility.

Weather: Clear, sunny 60's F

1600 Load core holder to boat (Carolina Skiff) ~~transport~~ NP 9/23/13

1705 Transport boat exits dock to re-install broken/missing wells.

Headed to Monroe Street Bridge.
Well re-installed. HOBO Installed

1845 Arrive Main ~~St Bridge~~ Ave NP 9/23/13
→ Install HOBO

1855 Deon is heading to the dock with core samples

NP

Location _____ Date 9/23/2013

Project / Client LPR LRC SSP2 / DMI

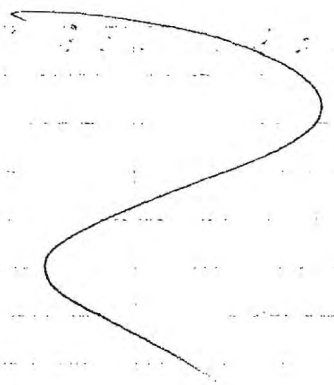
~~1935 Sign for custody~~ of
NP 9/23/13 ~~sediment cores~~

1955 Dion Lewis of AECOM keeps sample custody and rides with samples to the facility.

Core ID 13B-0547-C2
2 segments

2000 Dion Lewis released custody to Paula Winchell

2015 AECOM off-site



NP

Location East Rutherford, NJ CP6 Date 9/24/2013

Project / Client LPR LRC SSP2/DMI

0510 HASP meeting
- Life Jackets
- Tyvek suits

0835 Leave with transporter boat to boat "Can Do"
→ Lead Dion Lewis

0855 One core cut in half and put on ice
- waiting on second core, and grab sample

0924 Equipment malfunction (~~Drill~~) (air hammer) NP 9/24/13
NP 9/24/13 The air hammer ~~core~~ needs a new head.
The boat will collect grab sample, but second core will have to wait.

1030 Nathan Pinsker receives custody of core sample 13B-0547-C3
↳ 2 segments AB, BC
Grab sample two (2) buckets one (1) 2 ounce jar
0547-G1

1055 Head to facility.

NP

Location East Rutherford, NJ CP6 Date 9/24/13

Project / Client LPR, LRC ~~CP6~~ SSP2 / DMI

1115 Relinquish ~~Retrieve~~ custody to Paula Winchell.
NP 9/24/13

Pack travel boat with extra materials

1150 Leave dock

1210 Arrive at Drew Foley's boat (will do)
Receive custody of 2 consigned
Core ID: 13B-0563-C1. Two segments (A,B,C)
Core ID: 13B-0563-C2 Two segments (A,B,C)
Grab ID 13B-0563-G1 Two buckets, one 2 oz jar

1230 Arrive at dock
Transport to truck to ~~float~~ facility.

1316 Relinquish custody to Paula Winchell

1600 Take custody at dock
Samples collected by Drew Foley
Core ID: 13B-0564-C1
Core ID 13B-0564-C2
Core ID: 13B-0564-C3
Grab ID: 13B-0564-G2

1610 Drive to facility NP

Location East Rutherford, NJ CP6 Date 9/24/2013

Project / Client LPR LRC SSP2 / DMI

1615 Arrive at facility
Cores are to be disposed in IDW

Relinquish custody to Paula Winchell

1700 Get on transport boat to
deliver 2-ounce jar to Dan Lewis

1715 Three cores collected:
13B-0551-C1
13B-0551-C2
13B-0551-C3

Two Buckets
13B-0551-G2
13B-0551-G3

One 2-ounce jar
13B-0551-G1

No COC written, therefore Dan Lewis
will stay with samples until made.

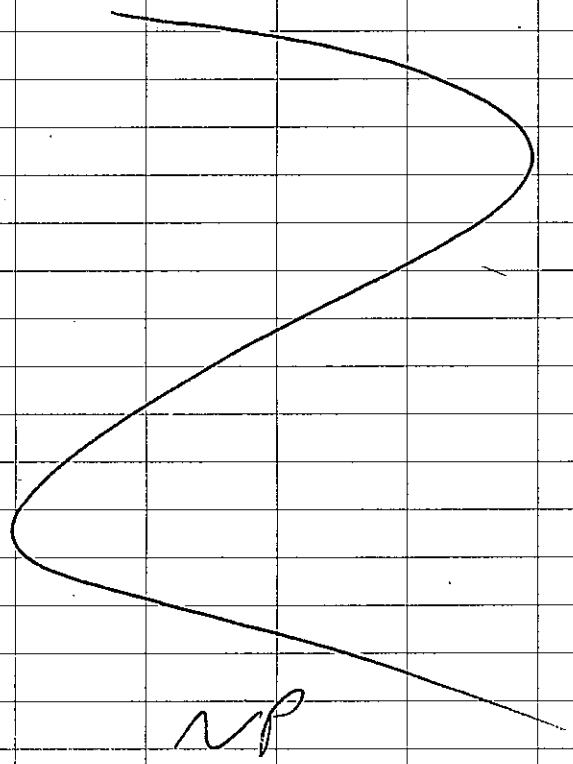
NP

8

Location East Rutherford, NJ CP6 Date 9/24/2013

Project / Client LPR LRC SSP2

1740	Drive to facility
1745	Dion Lewis relinquished samples to Paula Winchell
	- Assist with clean up and prep



NP

9

Location East Rutherford, NJ CP6 Date 9/25/2013

Project / Client LPR LRC SSP2

0745	Health and safety meeting
	Weather: Clear 70's F
	Tasks: Transport samples from boat locations to the facility
1400	Show up to Dion Lewis's Boat. Need to wait as they prove 3-1 core
	NP 9/25/13
1422	Receive samples

Core ID		
	13B-0510-C1	AB
	13B-0510-C1	BC
	13B-0510-C3	AB
	13B-0510-C3	BC

1430	Head to dock
1510	Drive to facility
1520	Relinquish custody to Paula Winchell

NP

Location East R-Harford, NJ Date 9/25/2013

Project / Client LSR LRC SSB2

1530 Head out to collect
Drew Foley's samples
→ The boat is headed to dock

1610 Drew Foley's boat arrives at dock

1619 Receive core and Grab samples
-Only Station 0514 will be ~~used~~ NP 9/25/13

Grab ID	13B-0514-C1
Core ID	13B-0514-C2 AB
Core ID	13B-0514-C2 BC
Core ID	13B-0514-C3
Grab ID	13B-0514-G1
Grab	13B-0512-G1

Samples to be discarded

13B-0504-C1	13B-0512-C2
13B-0504-C1	13B-0512-C2
13B-0512-C1	13B-0512-C3
13B-0512-C1	13B-0512-C3
~~13B 0512-C1~~ NP	~~13B~~
9/25/13 13B 0512-C1	NP

NP

Location East R-Harford, NJ Date 9/25/13

Project / Client LSR LRC SSB2

1711 Relinquish samples to Parke Winchell
COC 0514

1712 COC 0512
is Relinquish custody Parke Winchell

1717 Pick up Don Lewis Samples
from the dock

1725 Receive custody of samples
from station 0530 from Don Lewis

13B 0530-C1
13B-0530-C1
13B-0530-C3
13B-0530-C3
13B-0530-C4
13B-0530-G2

1733 Relinquish samples to Parke Winchell

Transportation duties finished.

NP

Location East Rutherford, NJ CPG Date 9/26/2013

Project / Client LPR LRC SSP2

0745 Health and Safety meeting for facility. Discuss PPE, slips, trips, communication, breaks, hydration/dehydration. Tasks: ~~Det~~ Transport samples. Weather: cloudy 70's ... NP 9/26/13

1150 Depart dock to collect Drew Foley's samples

1205 Arrive at Boat "Will Do" Station ~~05333~~ 0533 NP 9/26/13

1210 Receive Custody from Drew Foley

Core ID: 13B - 0533 - C1
13B - 0533 - C1
13B - 0533 - C1
13B - 0533 - C2
13B - 0533 - C2
13B - 0533 - C2
13B - 0533 - C3
13B - 0533 - C3
13B - 0533 - C3
13B - 0533 - G1

NP

Location East Rutherford, NJ CPG Date 9/26/2013

Project / Client LPR LRC SSP2

1242 Arrive at facility

1252 Relinquish custody to Paula Winchell Station 0533

1259 Leave dock. Head out to Dion Lewis.

1330 Arrive at boat "Can Do"

1349 Receive custody of station 0504

Grab ID: 13B - 0504 - C2 AB
13B - 0504 - C2 BC
13B - 0504 - C2 CD
13B - 0504 - C4 ABC
13B - 0504 - C4 BC
13B - 0504 - C4 CD
13B - 0504 - G1
13B - 0504 - C4
↳ Possible native transition in the grabber

NP

Location East Rutherford, NJ CPG Date 9/26/2013

Project / Client LPR LRC 5562

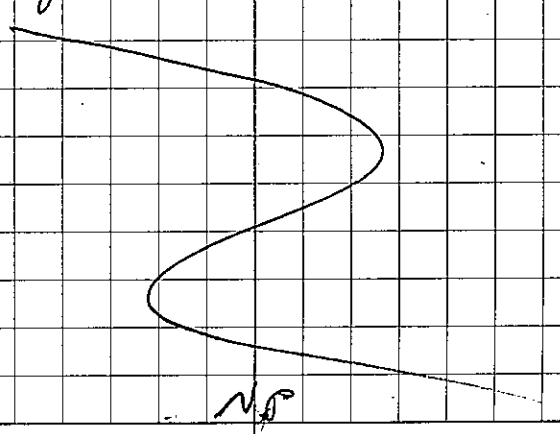
1510	Arrive at facility	
1520	Relinquish samples from station 0504 to Park Winchell	
1540	Deliver Equipment Blank to Drew Foley	
1600	Receive samples station 0550 from Drew Foley	
Core ID	13B-0550-C1	2 Segments (AB, BC)
	13B-0550-C2	1 segment (AB)
	13B-0550-C3	2 Segments (AB, BC)
	13B-0550-GC1	2 Buckets per, Three bags with sediment from Grabber.
1625	Relinquish samples to Park Winchell	
1630	Deliver distilled water (Test America) to Drew Foley	
	NB	

Location East Rutherford, NJ CPG Date 9/26/2013

Project / Client LPR LRC 5562

1730	Meet Dion Lewis boat to pick up samples and crew	
1738	Receive custody of samples from station 0505	
	13B-0505-C2	2 Buckets 1 sample
	13B-0505-C1	2 segments
	0505-C2	Grabber
1807	Relinquish samples with 0505 to Park Winchell	

Transportation duties finished



NB

Location East Rutherford, NJ CPG Date 9/27/2013

Project / Client LPR, LRC SSP2

Weather: 70's Clear

0745 Facility Health and Safety Meeting.

Tasks: Deliver samples boats to facility

0845 Deliver extra Distilled water (Test America) to Dion Lewis for Equipment blank.

1015 ~~1100~~ NP 9/27/13 Pick up Equipment Blanks from Dion Lewis

1100 Relinquish EB to Paula Windell
- One cooler still on Dion Lewis' Boat

1115 ~~1130~~ NP 9/27/13 Pick up 2nd cooler from Dion Lewis

1129 Relinquish 2nd cooler to Paula Windell

1430 Receive custody grab samples from Stations 0566, 0565, and 0568
2 buckets, 1 jar 1 bucket, 1 jar

1450 Relinquish samples to Paula Windell
- Return to Dock

NP

Location East Rutherford, NJ CPG Date 9/27/13

Project / Client LPR LRC SSP2

1515 Receive samples station 0562

13B-0562-G1	1 Bucket, 1 jar
13B-0562-G2	1 Bucket, 1 jar
13B-0560-G1	2 Buckets, 1 jar
13B-0560-C1	2 segments
13B-0560-C2	3 segments
13B-0560-C3	2 segments

1547 Relinquish Samples to Paula Windell

1555 Transport core liners (used) to facility for IDW

Transportation duties finished

NP

Location East Rutherford, NJ CBG Date 9/30/2013

Project / Client LPR LRC SSP2

Weather:	70's	Clear
Tasks:	Deliver boat core samples to facility	
Author:	Nathan Pinsker (AECOM, Columbia, MD)	
0800	Facility Health and Safety	
	Water on the floor (slips)	
	Heat, PPE	
1045	Skiff Health and Safety meeting	
	with Carl Cantrell	
	→ Slips, trips, falls	
	→ communication	
	→ Wakes	
	Head to Drew Foley	
1115	Arrive at Drew Foley's Boat.	
1118	Pick up/Take custody of station 0503	
13B-0503-C1	13B-0503-C3	
13B-0503-C2	13B-0503-G1	
One core segment each, 2 buckets, one 2oz jar		

NP

Location East Rutherford, NJ CBG Date 9/30/2013

Project / Client LPR LRC SSP2

1210	Arrive at dock
1216	Arrive at facility 0503
	Relinquish samples from station [redacted] to Paula Winchell 9/30/13
1230	Leave Dock
1234	Arrive at "Can Do"
1235	Receive custody of samples collected from Station 0561
13B-0561-C1	2 segments
13B-0561-C2	2 segments
13B-0561-G3	2 buckets, one 2oz jar
1305	Relinquish samples to Paula Winchell for sample station 0561
1400	Arrive at dock in preparation for Drew Foley's samples.

NP

Location East Rutherford, NJ CPG Date 9/30/13

Project / Client LPR LRC SSP2

1425 Ride to Drew Foley at station 0569 to deliver grab sample buckets.

1438 Receive custody of station 0502

13B-	0502 -	C-1	2 segments
↓	↓	C-2	1 segment
		C-3	" "
		G-1	2 buckets, 2 jars

1454 Receive custody of Station 0559 from Dion Lewis

1521 Relinquish station 0559 to Paula Winchell

13B-	0559-	C2	2 segments
↓	↓	C3	↓
		C4	
		G1	1 jar, 2 buckets

NP

Location East Rutherford, NJ CPG Date 9/30/13

Project / Client LPR LRC SSP2

1521 Relinquish station 0502

Station 0569 ⊥ was unable to collect grab sample. WP 9/30/13

Transportation duties finished

NP

Location East Rutherford, NJ CPG Date 10/1/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker AECOM

Weather: 70's Clear

Tasks: Transport samples from boats to facility

0740 Facility Health and Safety

1130 Health and Safety on boat

1135 Depart Dock

1207 Receive sample custody of station 0507 from Drew Foley

~~1245 Receive sample custody o~~
NP 10/1/2013

13B-0507-C1 1 segment
13B-0507-C2 ↓
13B-0507-C3
13B-0507-G1 2 buckets, 1 jar

NP

Location East Rutherford, NJ CPG Date 10/1/31

Project / Client LPR LRC SSP2

1245 Receive custody of station 0572 samples from Dien Levi

13B-0572-C1 2 segments
13B-0572-C3 1 segment
No grab sample collected
↳ Unable

Stations 0507+0572

1320 Relinquish samples to Park Winchell

1425 Deliver equipment blank materials to Drew Foley

1439 Receive custody of samples from station 0501. Collected by Drew Foley

13B-0501-C1 One segment
C2 " "
C3 Two segments
G1 Two buckets, one jar

NP

Location _____ Date 10/1/2013

Project / Client LPR LRC SSP2

1456 ~~Co~~ NP Receive samples from station 0573 from Dion Lewis

13B- 0573 - C1
C2
C4
G3

1505 Relinquish samples from stations 0501 and 0573

Transportation duties finished for the day

NP

Location East Rutherford, NJ Date 10/2/2013

Project / Client LPR, LRC SSP2

Author: Nathan Pinsker / AECOM

Weather: 70's Clear

Tasks: Transport core samples from the boats to the facility

0745 Facility daily Health and Safety meeting

1100 Boat safety meeting

1115 Depart dock

1143 Receive custody station 0513 from Drew Foley

13B- 0513 - C1 2 segments
- C2
- C3
- G1 2 buckets, 1 jar

NP

Location _____ Date 10/2/13

Project / Client LPR LRC SSp2

1236 Receive station 0574

C1 2 segments
C2 ↓
C3
~~G2~~ C4 ↓
NP 10/2/13
G3 1 Bucket, 1 jar
G2 1 Bucket, 1 jar

1240 Relinquish samples from stations 0513 and 0574

1515 Receive samples from station 0506 from Drew Foley

13B 0506-C1 One segment
↓ ↓ C2 ↓
C3
G1 2 buckets, 1 jar

1519 Relinquish samples from station 0506 to Paula Winchell

NP

Location _____ Date 10/2/2013

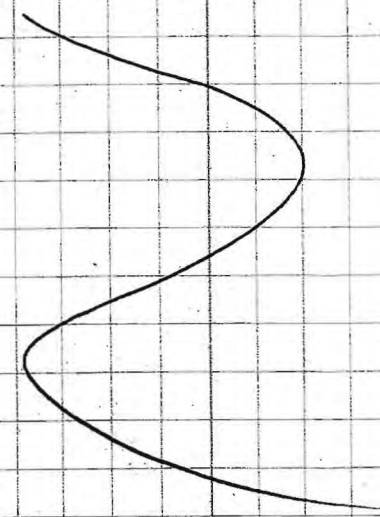
Project / Client LPR LRC SSp2

1549 Receive custody station 0557 from Dion Lewis

13B-0557-C1 One Segment
↓ ↓ -C2 Two segments
-G1 Two buckets, one jar

1617 Relinquish station 0557 samples to Paula Winchell

Transporter duties finished



NP

Location East Rutherford, NJ Date 10/3/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker AECOM

Weather: 70's Clear

Tasks: Transport samples from boat to facility

0830 Boat health and safety

Deliver materials to "Can Do"

1120 Depart dock for sample collection

1145 Arrive at "Can Do"
Station 0520
All cores IDW

1151 13B-0520-G1 2 buckets, 1 jar Receive custody
-0520-C1 1 segment
-C2 "
-C3 2 segments

1241 Relinquish 6 soil samples, 13B-0520-G1
to Paula Wunchell
Cores to IDW
NP

Location Date 10/3/2013

Project / Client LPR LRC SSP2

1400 Depart dock for the "Can Do"

1418 Receive samples from Dion Lewis

13B-0571-C1 2 Segments
13B-0571-C2 1 Segment
13B-0571-G2 2 buckets, 1 jar

13B-0558-C2 2 segments
13B-0558-C3 "
13B-0558-G1 2 buckets, 1 jar

1445 Relinquish stations 0571 and 0558
to Paula Wunchell

1552 Receive station 0555
from Dion Lewis
13B-0555-C1 1 segment
-C2 "
-G1 2 buckets, 1 jar

NP

Location East Rutherford, NJ CPG Date 10/3/2013

Project / Client LPR LRC SSP2

1701 Receive samples from stations 0523 and 0508
→ All cores IDW

13B-0523-C1 2 Segments
13B-0523-C2 " "
- - -
13B 0508 C1 1 Segment
C2 " "
C3 " "
G2 1 Bucket
G3 1 Bucket, 1 jar

1720 Relinquish stations 0555, ~~and~~ 0523, and 0508 to Park Winchell NP 10/3/13

Transporter duties finished

NP

Location East Rutherford, NJ CPG Date 10/4/2013

Project / Client LPR LRC SSP2

0745 Facility Health and Safety Meeting

Author: Nathan Pinsker / AECOM

Weather: 70's Clear

Tasks: Transport samples from the boat to the facility.

1143 Boat Health and Safety

1145 Depart Dock

1215 Receive station 0567 and 0522 grab samples from Drew Foley
- 2 buckets, 1 jar each
13B-0567-G2
13B-0522-G1

NP

32

Location East Rutherford, NJ CP6 Date 10/4/2013

Project / Client LPR LRC SSP2

1245 Receive Dion Lewis sample from station 0571

C3 3 segments
C4 " "
G3 1 bucket, 1 jar

1300 Relinquish stations 0567, 0522, and 0571 to Paula Mitchell

1355 Receive station 0529 from Drew Foley

C1 One Segment
C2 Two
C3 all
C4 One Sg
G1 2 Buckets, 1 jar

1405 Relinquish station 0529 to Paula Mitchell

NP

33

Location East Rutherford, NJ CP6 Date 10/4/2013

Project / Client LPR LRC SSP2

1430 Pick up equipment blank from Dion Lewis

1443 Relinquish Dion Lewis Equipment blank to Paula Mitchell

1445 Head to dock to pick up C/F ~~NP 10/4/2013~~ core liners.

End Transporter duties

NP

Location East Rutherford, NJ CPG Date 10/7/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker / AECOM

Weather: 60's F Chance of rain

Tasks: Transport samples from the boat to the facility

0745 Boat HASP with Carl

0800 Facility HASP

1015 Leave dock. Headed to Drew Foley

1042 Arrive at "Will Do" Station 0534

1047 Receive station 0534 samples

135- 0534- C1 Two segments
C2 " "
C3 " "
G1 2 buckets, 1 jar

NP

Location East Rutherford, NJ CPG Date 10/7/2013

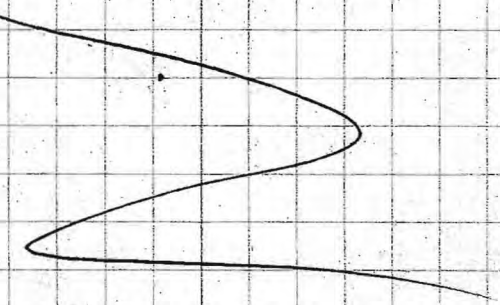
Project / Client LPR LRC SSP2

1130 Receive station 0556 from Dion Lewis at the dock
→ Due to weather (Tornado Warning) sampling is paused.

1330- 0556- C1 Two segments
C2 " "
C3 " "
GIAS Two buckets, one jar

1440 Relinquish stations 0534 and 0556 stations to Paula Lindell

Boat sampling finished due to weather.



NP

Location East Rutherford, NJ CPG Date 10/8/2013

Project / Client LPR LRC SSP2

Author:	Nathan Pinsker			
Weather:	60's Clear			
Tasks:	Transport samples from the Locks to the Facility.			
0945	Leave dock to deliver sw blocks			
1030	Deliver sw blocks to "Can Do"			
1055	Receive station 0526 from Don Foley			
	13B - 0526 -	C1	2 Segments	
		C2	" "	
		C3	" "	
		G1	2 buckets, 2 jars	
1117	Receive station 0511 from Don Lewis			
	13B - 0511 -	C1	Two Segments	
		C3	" "	
		G1	2 buckets 2 jars	

NP

Location East Rutherford, NJ CPG Date 10/8/2013

Project / Client LPR LRC SSP2

1218	Relinquish station 0526+0511 to Paula Lundell		
1400	Leave dock		
1426	Receive station 0527		
13B	0527 -	C1	One Segment
		C2	" "
		C3	" "
		C4	" "
13B - 0527 -		G1	2 buckets, 1 jar
1502	Relinquished station 0527 to Paula Lundell		
1555	Receive station 0515 from Don Lewis		
13B - 0515 -		C1	One Segment
		C2	" "
		G1 AS	2 buckets, 1 jar
1602	Relinquish station 0515 to Paula Lundell.		

NP

Location East Rutherford CPG Date 10/6/2017

Project / Client LPR LRC SSP2

1647	Receive station 0532 from Drew Foley
	136 0532 - C1 Two segments
	↓ " " - C2 " "
	↓ " " - 61 Two buckets, one jar
1658	Relinquish station 0532 to Park Underhill
	Transporter duties finished

NP

Location East Rutherford CPG Date 10/7/2017

Project / Client LPR LRC SSP2

Author: Nathan Pinsker

Weather: 50-60's °F clear

Tasks: Transport samples from boat to facility

1040	Leave dock
1112	Receive station 0521 from Drew Foley
138 - 0521	- C1 Two segments
↓ ↓	- C2 " "
↓ ↓	- C3 " "
↓ ↓	- 61 Two buckets one jar
1205	Relinquish station 0521 to Park Underhill
1235	Leave dock

NP

Location East Rutherford, NJ C/G Date 10/9/2013

Project / Client LPR LRC SSP2

1351 Receive station 0528 from Dion Lewis

13B - 0528 - C3 Three segments
↓ ↓ C4 Four segments
G2AS Two buckets, one jar

1404 Receive station # NP 10/9/13 0524 from Drew Foley

13B - 0524 - C1 Two segments
↓ ↓ C3 " "
G1 Two buckets, one jar

1500 Relinquish stations 0528 and 0524 to Paula Winchell

Receive station 0525 from Drew Foley

13B - 0525 - C1 Two Segments
" " " C2 " "
" " " G1 2 buckets, 1 jar

1636 Relinquish station 0515 to Paula Winchell

NT

Location East Rutherford, NJ C/G Date 10/9/13

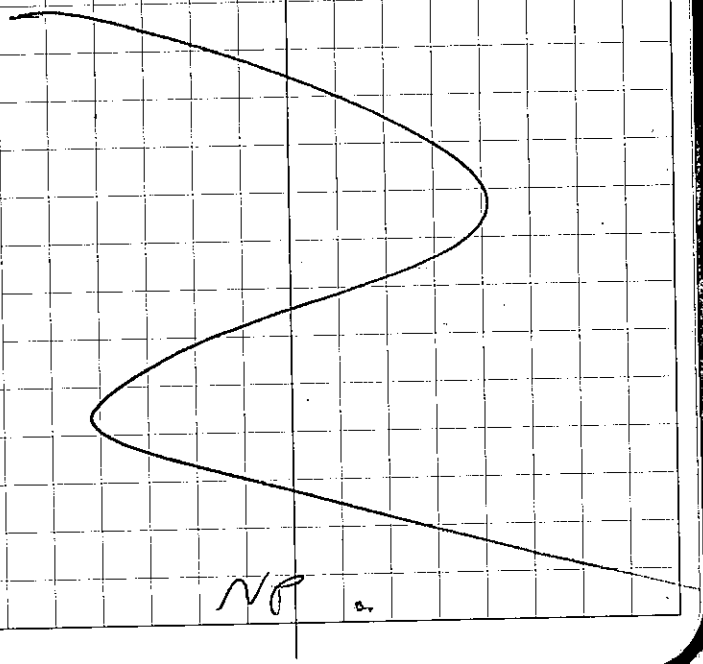
Project / Client LPR LRC SSP2

1745 Receive station 0516 from Dion Lewis

13B - 0516 - G1 Two buckets, one jar

1809 Relinquish station 0516 to Paula Winchell

Transporter duties finished



NP

Location East Rutherford, NJ CR6 Date 10/10/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker

Weather: 50's F Rain

Tasks: Transport samples to the facility from the boat/dock

0820 Receive equipment blank from Drew Foley. Boat "Will Do"

0848 Relinquish Equipment Blank to Paula Wyndell

1303 Leave the dock for Will Do

1329 Receive station 0536 from Drew

13B- 0536 - C1 Two segments
- C2 One segment
- C3 "
- G Two buckets, 1 gr

NP

Location East Rutherford, NJ CR6 Date 10/10/2013

Project / Client LPR LRC SSP2

1345 Receive station 0516 from Drew Lewis

13B- 0516- C-2 Four segments
C-3 Three segments

NP 10/10/13

1432 Relinquish stations 0536 and station 0516 to Paula Wyndell

1628 Receive station 0535 from Drew Foley

13B- 0535- C1 One segment
C2 "
C3 Two segments
G1

1650 Relinquish station 0535 to Paula Wyndell

1740 Receive station 0518 from Drew Lewis

1751 Relinquish station 0518 to Paula Wyndell

13B- 0518- G1

NP

Location East Rutherford, NJ CPG Date 10/11/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker / AECOM

Weather 50's °F Rain likely

Tasks: Transport samples boat → Facility.

1310 Leave dock

1330 Receive station 0541 from Dion Lewis

13B - 0541 - C1 Two sections

C2 One section

G1 Two buckets, one jar

~~Receive station from Drew Foley~~

NP 10/11/2013

1349 Receive stations 0517 (C1), 0519 (C1), and 0545 - (C1, C2, C3).

— All IDL

1426 Relinquish stations 0541, 0517, 0519, and 0545 to Park Lindell

NP

Location East Rutherford, NJ CPG Date 10/11/2013

Project / Client LPR LRC SSP2

1541 Receive station 0543 from Drew Foley at the dock

13B-0543-C1 Two segments IDL

C2 One segment

C3 " "

G1 Two buckets, one jar

1546 Relinquish station 0543 to Park Lindell

1610 Receive station 0542 from Dion Lewis at the dock

13B - 0542 - C2 Two segments

C3 " "

G1 AS Two buckets, one jar

1622 Relinquish station 0542 to Park Lindell

NP

Location East Rutherford, NJ CP6 Date 10/14/2013

Project / Client LPR LRC SSP2

Author: Nathan Prosker / AECOM

Weather: 60's °F Clear

Tasks: Transport samples boat → facility

1057 Leave dock

1203 Receive station 0531 from Drew Foley

13B-0531-C1 One segment

C2 Two segments

C3 Three segments

G1

1305 Relinquish station 0531 to Rick Winchell

1605 Receive station 0554 from Dan Lewis

13B-0554-C1 Three segments

C4 Two segments

G2AS Two buckets, one jar

1610 Relinquish station 0554 to Rick Winchell

NP

Location East Rutherford, NJ CP6 Date 10/14/2013

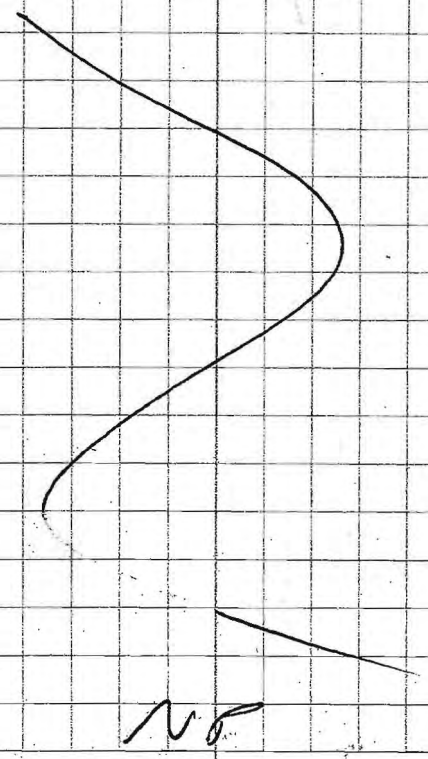
Project / Client LPR LRC SSP2

1623 Receive station 0509 from Drew Foley

13B-0509-C1 One segments

13B-0509-C2 Two segments

Transporter duties finished



NP

Location East Rutherford, NJ CPG Date 10/14/2013

Project / Client LPR LRC SSP2

1748 N. Pinsker and Joel Meunier Drive seven (7) coolers to UPS

1752 Seven packages delivered

Tracking Numbers:

1Z8E52740196322148
1Z8E52740199807093
1Z8E52740198206903
1Z8E52740196159950
1Z8E52740197123932
1Z8E52740195462310
1Z8E52740196829324

NP

Location East Rutherford, NJ CPG Date 10/15/2013

Project / Client LPR LRC SSP2.

Author: Nathan Pinsker
Weather: 60s°F Clear
Tasks: Transport samples to the boat

0920 NS led Boat H+S.
→ Helen Jones and Carl Cantrell present

0926 Depart dock

1006 Receive station ~~0516~~ 0576 from Drew Foley NP 10/18/2013
1305 - ~~0516~~ 0576 - C1 One segment IDW
NP 10/18/2013
- C2 " " IDW
G3 One bucket, one jar

1107 Relinquish station ~~0516~~ 0576 to Paula Winchell NP 10/18/2013

~~1535~~ NP 10/15/13

1535 Receive station 0540 from Drew Lewis at the dock
1305 - 0540 - C3 Four segments
C4 " "
G2AS Two buckets, one jar

NP

Location East Rutherford, NJ CPG Date 10/15/2013

Project / Client LPR LRC SSP2

1546	Relinquish station 0540 to Paula Winchell
1603	Receive station 0538 from Drew Foley at dock
	13B-0538-C1 Three segments
	" - C2 Two segments
	" - C3 " "
	" - G1 Two buckets, one jar
1615	Relinquish station 0538 to Paula Winchell
1815	N Pinsker and Joel Meunier deliver to UPS
1840	Seven coolers dropped off

NP

Location East Rutherford, NJ CPG Date 10/16/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker / AECOM

Weather: 60's °F Cloudy

Tasks: Deliver samples from boats to facility.

0820:	Staff boat H+S meeting held at facility. Led by NP.
0900:	Leave for pick up of 55-gallon plastic drum.
1208	Leave dock
1230	Receive station 0553 from Drew Foley
	13B-0553-C1 One segment
	" - C2 " "
	" - C3 " " ICW
	" - G2 Two buckets, Two jars
1240	Receive station 0539 from Dan Lewis
	13B-0539-C2 Two segments
	C3 " "
	G2 & S Two buckets, Two jars

Location East Rutherford, NJ CPG Date 10/16/2013

Project / Client LPR LRC SSP2

1319	Relinquish stations 0553 and 0539 to Paula Winchell at facility
1600	Receive station 0544 from Dion Lewis at the dock
	13B - 0544 - C1 One segment
	↓ - ↓ C2 "
	↓ - ↓ - 62 AS Two buckets, one jar
1605	Relinquish station 0544 to Paula Winchell.
1621	Receive station 0537 from Drew Foley at the dock.
	13B - 0537 - C1 Two
	↓ ↓ C2 One segment
	C3 "
	62 One bucket, one jar
1630	Relinquish station 0537 to Paula Winchell.
	NP

Location East Rutherford, NJ CPG Date 10/17/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker / AECOM
Weather: 60's °F Light rain
Tasks: Transport samples boats → facility.

0850	Skinner ~~Staff~~ H+S Meeting
NP 10/17/13	- Depart dock
1209	Leave dock. Head to Con Ed
1225	Receive station 0549
	13B - 0549 - C2 One segment
	↓ - ↓ - C3 "
	↓ - ↓ - 61 AS Two buckets, one jar
~~1228~~	~~Relinquish station 0549 to Paula Winchell~~ NP 10/17/2013
1252	Receive station 0575 from Drew Foley at the dock.
	13B - 0575 - C1 One segments
	- - C2 "
	- - C3 "
	- - C4 Two segments
	- - 61 Two buckets, one jar

Location East Rutherford, NJ CPG Date 10/17/2013
Project / Client LPR LRC SSP2

1305 Relinquish stations 0549 and 0575 to Paula Winchell at facility.

1420 Receive Grab Equipment blank from Drew Foley (Boat will Do) at dock.

1423 Relinquish Grab Equipment blank to Paula Winchell.

1450 Receive ~~Grab~~ NP coring core liner/coring Equipment blank from Drew Foley at the dock.

1500 Relinquish ~~coring field~~ NP 10/17/13 coring equipment blank to Paula Winchell.

1611 Receive station 0552 from Dion Lewis at the dock.
13 - 0552 - C1 One segment
| - | - C2 " "
| - | - C3 " "
↓ - ↓ - G2AS Two buckets, One jar

NP

Location East Rutherford, NJ CPG Date 10/17/13
Project / Client LPR LRC SSP2

1800 Drive to UPS to ship Eight (8) coolers.

1815 Dropped off eight (8) coolers to UPS 1 Orient Way.

NP

Location East Rutherford, NJ CP6 Date 10/18/13

Project / Client LPR LRC SSPJ

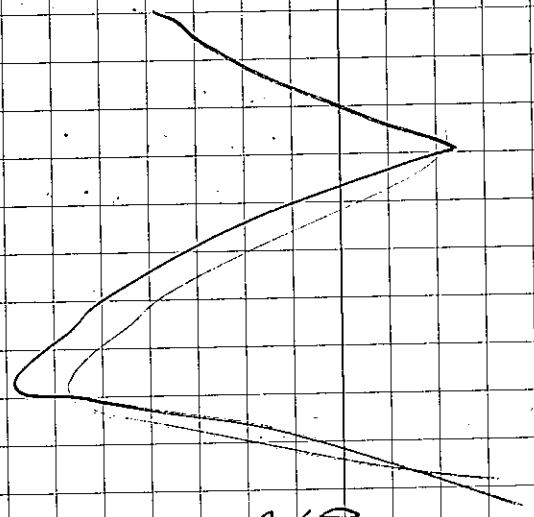
Author	Nathan Pinsker / AECOM
Weather	~60's-70's °F Clear
Tasks	Transport samples Boats → Facility
0800	Skimmer H+S meeting
1200	Arrive at dock following HOBO data collection
1209	Receive station 0577 from Drew Foley at the dock.
	13B - 0577 - C1 One segment
	- C2
	- C3
	- C4
	13B - 0577 - G1 Two buckets, one jar
1210	Receive station 0548 from Dan Lewis at the dock.
	13B - 0548 - C1 Three segments
	- C2 " "
	- C3 " "
	- G1AS Two buckets, One jar

NP

Location East Rutherford, NJ CP6 Date 10/18/2013

Project / Client LPR LRC SSPJ

1230	Relinquish stations 0577 and 0548 to Rick Purdy
1235	Deliver Equipment blank to "Can Do" boat.
1420	Receive Equipment blank for the "Can Do" from Dan Lewis.
1430	Relinquish Equipment blank for the "Can Do" to Rick Purdy.



NP

Location East Rutherford, NJ CRG Date 10/21/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker AECOM

Weather: 60's °F Clear

Tasks: Transport samples boat → facility

1200	Skimmer Health and Safety led by Mr. Jeff Bydosh: COSD driver
1205	Leave dock to transport core liners
1240	Arrive at "Can Do" to deliver core liners
1357	Receive station ©517 grab station 13B-0517-G2AS
1444	Relinquish ~~sample~~ station 0517 to Richard Purdy at the facility NP 10/21/13
1500	Leave dock to take pictures of HOBO wells.
1720	Return to dock.

NP

Location East Rutherford, NJ CRG Date 10/21/13

Project / Client LPR LRC SSP2

©519	station grab was delivered to the facility by Dion Lewis. Eleven NP 10/21/2013
1810	Deliver Ten coolers to UPS at 1 Orient Way.
1835	Drop off Eleven coolers for overnight delivery.

Transporter duties finished

NP

Location East Rutherford, NJ CP6 Date 10/22/2013

Project / Client LPR LRC SSP2

Author: Nathan Pinsker AECOM
Weather: 50's °F Clear
Tasks: Transport samples boat → facility

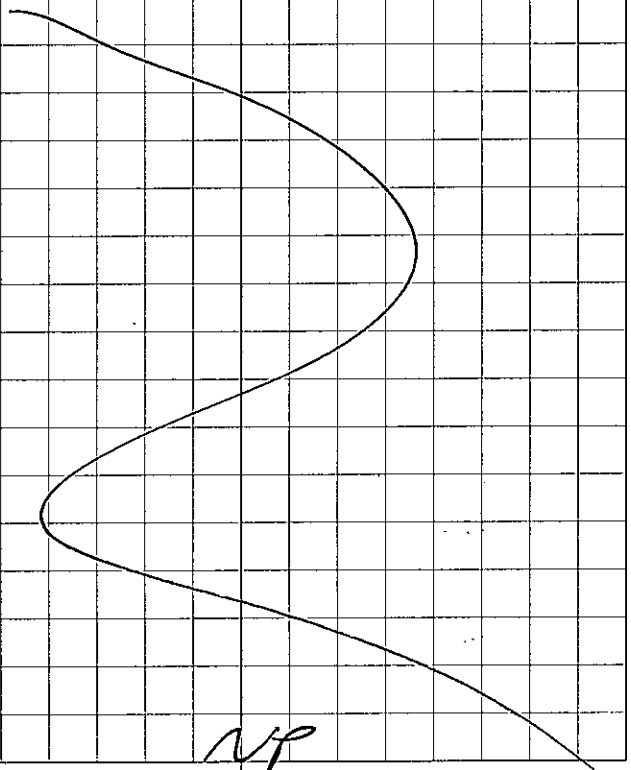
0800	Lead Hrs for the facility.
0845	Lead Boat Hrs with Morgan Barrett at the facility.
1140	Leave dock
1210	Arrive at "Can Do" boat
1215	Receive station 0519 from Dion Lewis 13B-0519-C2 Four segments.
1317	Relinquish station 0519 to Richard Purdy at the facility.
1420	Leave dock

NP

Location East Rutherford, NJ CP6 Date 10/22/2013

Project / Client LPR LRC SSP2

1440	Receive station 0519 from Dion Lewis 13B-0519-C5 ~~from~~ Three segments NP 10/22/13
1525	Relinquish station 0519 to Richard Purdy



NP

Location East Rutherford, NJ CPG Date 10/23/2013

Project / Client LPR LRC SSP2

Author:	Nathan Pinsker AECOM
Weather	50°F Chance of Rain
Tasks:	Transport samples Boat → facility
0815	Boat H+S for skimmer. Morgan Barrett of OSI - Driver
0915	Leave dock.
0952	Receive Equipment and GrAb blank from Dion Lewis 130-0519-G1AR 130-0519-C5XR
1045	Relinquish ~~Equip~~ Equipment/GrAb blank to Richard Purdy at the facility. NP 10/23/13
1130	Leave the dock.
	Assist Can Do with tie up
	NP

Location East Rutherford, NJ CPG Date 10/23/2013

Project / Client LPR LRC SSP2

1315	Return to dock
1745	Receive station 0523 from Dion Lewis at the dock. 130-0523-G2AS
1801	Relinquish station 0523 to Ke:-Hua Wang at the facility.

NP

64

Location East Rutherford, NJ CR6 Date 10/24/2013

Project / Client LPR LRC SSP2

Author	Nathan Pinsker AECOM
Weather	40's F Clear
Tasks	Transport cores back → facility
1135	Get picked up from "Can Do"
1136	Receive custody of station 0578# from Dion Lewis. HMP 10/24/13 13B - 0578# - C1 Two cores 13B - 0578# - C2 " " HMP 10/24/13
1220	Relinquish station 0578 to Re: Hua Wang at the facility
1647	Receive station 0578 from Dion Lewis at the dock 13B - 0578 - C35 Two Segments - C46 " " - C47 " " HMP 10/24/13 - 62AS Two buckets, coarse
1700	Relinquish station 0578 to Re: Hua Yang at the facility.

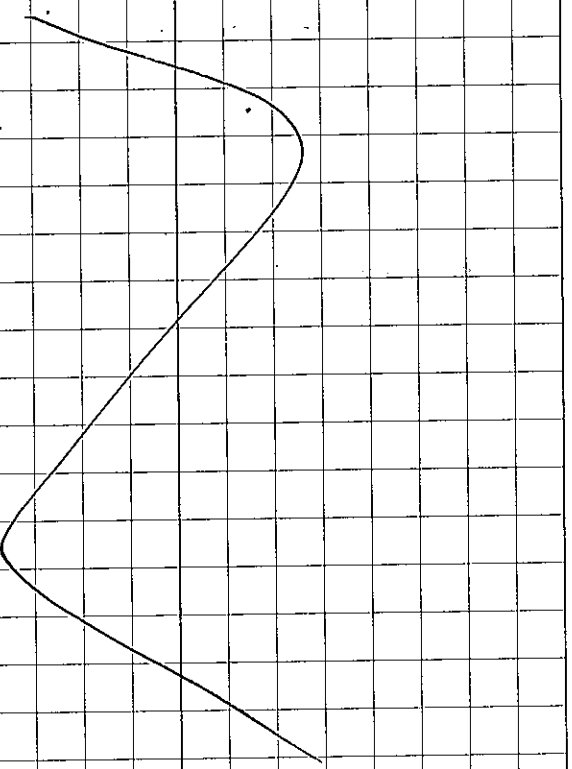
NP

65

Location East Rutherford, NJ CR6 Date 10/24/2013

Project / Client LPR LRC SSP2

1620	Deliver Two coolers to UB located at 1 Orient Way
1830	Coolers dropped off.



NP

Location East Rutherford, NJ CPG Date 10/25/13

Project / Client LPR LRC 3582

Author:	Nathan Pinsker	AECOM
Weather:	42°F Clear	
Tasks:	Transport samples boat → facility.	
0900	NP conducts H+S for the skimmer.	
1215	Receive station 0578 from Dion Lewis.	
	13B-0578-C8	Two segments
	13B-0578-C9	" "
1256	Relinquish station 0578 to Re: Hua Wang	
	Station 0547 was transported to the facility by Dion Lewis while NP retrieved HOBOs.	

NP

Location _____ Date _____

Project / Client _____

Appendix E

Lithology Core Records

AECOM
250 Apollo Drive, Chelmsford, MA 01824
T 978.905.2100 F 978.905.2101

Core ID: 13B-0501-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 10:53:00 AM
Date Completed: 10/2/2013 9:25:00 AM
River Mile: 7.23

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.2 ft
Recovery Depth: 3.1 ft
Processed Length: 3.07 ft
Water Depth: 17.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705566.13
Easting (NJSPNAD83): 587226
River Bottom Elevation NGVD: -17.6 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0501-C1AS	0 - 0.5	0	0	0			SP	fine SAND, some silt, little medium sand, (2.5YR 2.5/1) reddish black, medium dense, wet to moist, large piece of wood at 1.1' and 1.65', fine-coarse sand layers at 2.0'-2.2', 2.3'-2.4', 2.65'-2.7', organics (wood) and coal fragments in coarse zones.
13B-0501-C1BS	0.5 - 1.5	0	0	0	1			
13B-0501-C1CS	1.5 - 2.5	0	0	0	2			
13B-0501-C1DS	2.5 - 3.07	0	0	0			OL	SILT, little clay, (2.5YR 3/1) dark reddish gray, medium plasticity, medium stiff, moist, minor black staining w/ slight HC-like odor.
					3		SW	fine to coarse SAND, little silt, (7.5YR 3/2) dark brown, loose to medium dense, moist, well graded.
								End of logging: 3.07

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.07	25.8	0.07

5/14/14 14:03 - C:\USERS\HERBERICH\DOCUMENTS\LPR\NJD980528996_3.GPJ :: NJD980528996

AECOM
250 Apollo Drive, Chelmsford, MA 01824
T 978.905.2100 F 978.905.2101

Core ID: 13B-0501-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 11:34:00 AM
Date Completed: 10/2/2013 10:20:00 AM
River Mile: 7.23

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 4.1 ft
Recovery Depth: 3.6 ft
Processed Length: 3.32 ft
Water Depth: 17.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705559.83
Easting (NJSPNAD83): 587225.44
River Bottom Elevation NGVD: -17.3 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0501-C2AS	0 - 0.5	0	0	0			SP	fine SAND, some to little silt, trace organics, (2.5YR 2.5/1) reddish black, medium dense to dense, wet to moist.
13B-0501-C2BS	0.5 - 1.5	0	0	0	1		SM	very fine silty SAND, (2.5YR 2.5/1) reddish black, dense, moist.
13B-0501-C2CS	1.5 - 2.5	0	0	0	2		SP	fine SAND, little medium sand, (2.5YR 2.5/1) reddish black, dense, moist, red sand clasts at 2.3'.
							SM	very fine silty SAND, (2.5YR 2.5/1) reddish black, dense, moist, black stained clayey lenses w/ HC-like odor at 2.85'-2.96'.
13B-0501-C2DS	2.5 - 3.32	0	0	0	3		SW	fine to coarse SAND, little silt and medium to coarse gravel, (7.5YR 3/2) dark brown, medium dense, wet, well graded.
								End of logging: 3.32

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.32	27.2	0.09

5/14/14 14:03 - C:\USERS\HERBERICH\DOCUMENTS\LPR\NJD980528996_3.GPJ :: NJD980528996

AECOM
250 Apollo Drive, Chelmsford, MA 01824
T 978.905.2100 F 978.905.2101

Core ID: 13B-0502-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 12:19:00 PM
Date Completed: 10/1/2013 8:20:00 AM
River Mile: 7.23

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.5 ft
Recovery Depth: 2.8 ft
Processed Length: 2.45 ft
Water Depth: 7.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705515.59
Easting (NJSPNAD83): 587361.47
River Bottom Elevation NGVD: -7.4 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0502-C2AS	0 - 0.5	0	0	0			SP	fine to medium SAND, some silt, little coarse sand, (7.5YR 3/1) very dark gray, loose to medium dense, wet, thin silt layer with trace organics at surface.
13B-0502-C2BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, (7.5YR 3/1) very dark gray, medium dense, wet, slight HC-like odor, coarse sand and gravel (red) layer at 0.8', black stained layer with few organics and HC-like odor at 1.27'-1.5'.
13B-0502-C2CS	1.5 - 2.45	0	0	0	2		OL	SILT, some fine sand, little clay and organics, (7.5YR 3/1) very dark gray, low plasticity, medium stiff, moist, sand content decreases with depth.
							SM	fine silty SAND, (7.5YR 3/1) very dark gray, medium dense, moist, wash out from core shoe in bottom 0.3'.
								End of logging: 2.45

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.45	18.4	0.16

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Core ID: 13B-0503-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 8:54:00 AM
Date Completed: 10/1/2013 1:30:00 PM
River Mile: 7.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.5 ft
Recovery Depth: 3.3 ft
Processed Length: 3.03 ft
Water Depth: 6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705484.78
Easting (NJSPNAD83): 587412.51
River Bottom Elevation NGVD: -4.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0503-C1AS	0 - 0.5	0	0	0			SP	fine SAND, some silt, (10YR 3/1) very dark gray, medium dense, wet, thin silt at top of core.
13B-0503-C1BS	0.5 - 1.5	0	0	0	1		SM	very fine silty SAND, little medium sand, (10YR 3/1) very dark gray, dense, wet.
13B-0503-C1CS	1.5 - 2.5	0	0	0	2		SP	fine to medium SAND, (10YR 3/1) very dark gray, dense, wet to moist, medium to coarse sand at 2' & 2.15'.
							OL	SILT, little clay, (2.5Y 2.5/1) black, low plasticity, stiff, moist.
13B-0503-C1DS	2.5 - 2.5	0	0	0	3		SM	very fine silty SAND, (10YR 3/1) very dark gray, dense, wet.
								End of logging: 3.03

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.03	24.6	0.08

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Core ID: 13B-0503-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 9:32:00 AM
Date Completed: 10/1/2013 2:20:00 PM
River Mile: 7.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.9 ft
Recovery Depth: 2.5 ft
Processed Length: 0.5 ft
Water Depth: 5.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705478.65
Easting (NJSPNAD83): 587412.74
River Bottom Elevation NGVD: -4.4 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0503-C2AS	0 - 0.5	0	0	0			SP	fine SAND, some to little silt, trace fine gravel, (10YR 3/1) very dark gray, dense, wet, pieces of wood and fine gravel in silt at surface.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B		17.2	0.06

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Core ID: 13B-0504-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 8:55:00 AM
Date Completed: 9/27/2013 12:05:00 PM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 15 ft
Recovery Depth: 12.8 ft
Processed Length: 3.81 ft
Water Depth: 8.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 706062.2
Easting (NJSPNAD83): 587278.95
River Bottom Elevation NGVD: -8.5 ft
Weather: Overcast, cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0504-C2AS	0 - 0.5	0	0	0			OL	SILT, some clay, little fine sand, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, saturated to wet, strong HC-like odor.
13B-0504-C2BS	0.5 - 1.5	0	0	0	1		OL	SILT, some clay, (2.5Y 2.5/1) black, medium plasticity, medium stiff, wet to moist, strong HC-like odor, 1/2" fine sand lense at 2.55'.
13B-0504-C2CS	1.5 - 2.5	1	0	0	2			
					3		SP	very fine silty SAND, little clay, (2.5Y 2.5/1) black, medium dense, moist, strong HC-like odor.
							CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, stiff, moist, slight HC-like odor.
								End of logging: 3.81

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.81	25.6	0.17

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Core ID: 13B-0504-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 11:00:00 AM
Date Completed: 9/27/2013 8:40:00 AM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 13.8 ft
Recovery Depth: 12.7 ft
Processed Length: 12.64 ft
Water Depth: 11.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 706059.88
Easting (NJSPNAD83): 587283.99
River Bottom Elevation NGVD: -9.9 ft
Weather: Cloudy, cool
Logged By:
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0504-C4AS	0 - 0.5	2	0	0			OL	SILT, some clay and little fine sand, (2.5Y 2.5/1) black, low plasticity, soft to medium soft, wet to saturated, strong HC-like odor, trace organics.
13B-0504-C4BS	0.5 - 1.5	0	0	0	1		OL	SILT, some to little clay, trace fine sand and organics, (2.5Y 2.5/1) black, low plasticity, medium stiff, wet, strong HC-like odor, becomes stiff with less staining at 2.85', thin fine sand lense at 3.7', inclusion of native fine to med SAND w/ fine coarse gravel and cobbles, red-brown at 1.85'-2.5'.
13B-0504-C4CS	1.5 - 2.5	1	0	0	2			
13B-0504-C4DS	2.5 - 3.5	0	0	0.004	3			
13B-0504-C4ES	3.5 - 4.5	1	0	0	4		SM	sandy SILT, little clay, (10YR 2/1) black, non plastic, medium stiff, moist, slight HC-like odor.
13B-0504-C4FS	4.5 - 5.5	0	0	0	5		OL	clayey SILT, (10YR 2/1) black, low plasticity, medium stiff, moist, sandy zones, black staining and odor 4.9'-5.2'.
13B-0504-C4GS	5.5 - 6.5	0	0	0	6		CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, stiff, moist, few thin fine sand lenses, black staining and odor at 7', 7.3'-7.83'.
13B-0504-C4HS	6.5 - 7.5	1	0	0	7			
13B-0504-C4IS	7.5 - 8.5	1	0	0	8		CL	silty CLAY, trace fine sand, (5Y 2.5/1) black, medium plasticity, stiff, moist, slight HC-like odor, slag at 8.6'.
13B-0504-C4JS	8.5 - 9.5	0	0	0	9		SM-ML	SILT and very fine SAND, (7.5YR 2.5/1) black, dense, moist, slight HC-like odor, minor black staining in bands throughout, (transition to native material).
13B-0504-C4KS	9.5 - 10.25	0	0	0	10		CL	silty CLAY, (7.5YR 3/1) very dark gray, medium plasticity, stiff, moist, slight HC-like odor, black staining and odor at 11.04'-11.57'. (Native)
					11		SP	fine SAND, little medium sand, (5YR 3/2) dark reddish brown, dense, moist, homogenous, slight black stained clay bands. (Native)
					12			End of logging: 12.64

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.8	26.0	0.19
B-C	4.03	27.6	0
C-D	4.81	35.8	0

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Core ID: 13B-0505-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 1:35:00 PM
Date Completed: 9/30/2013 1:30:00 PM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.6 ft
Recovery Depth: 7.3 ft
Processed Length: 6.53 ft
Water Depth: 20 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 706030.05
Easting (NJSPNAD83): 587339.04
River Bottom Elevation NGVD: -16.2 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0505-C1AS	0 - 0.5	0	0	0			OL	SILT, little fine sand, trace clay, (2.5Y 2.5/1) black, non plastic, soft, saturated to wet.
13B-0505-C1BS	0.5 - 1.5	0	0	0	1		SP	fine SAND, trace medium sand and silt, (10YR 2/1) black, medium dense, wet, thin silt lense @ 0.96'.
13B-0505-C1CS	1.5 - 2.5	0	0	0	2		OL	clayey SILT, (5Y 2.5/1) black, low plasticity, soft, wet, moderate HC-like odor, black stained.
							SP	fine SAND, trace medium sand and silt, (10YR 2/1) black, medium dense, wet.
							OL	clayey SILT, (5Y 2.5/1) black, soft, wet, moderate HC-like odor.
							SP	fine SAND, trace medium sand and silt, (10YR 2/1) black, medium dense, wet.
							OL	clayey SILT, (5Y 2.5/1) black, soft, wet, moderate HC-like odor.
13B-0505-C1DS	2.5 - 3.5	0	0	0	3		SP	fine SAND, trace medium sand and silt, (10YR 2/1) black, medium dense, wet.
							OL	clayey SILT, (5Y 2.5/1) black, soft, wet, moderate HC-like odor.
							SW	fine SAND with fine to coarse gravel, (7.5YR 2.5/1) black, dense, moist to wet, red-brown silt (native) inclusion 3.2-3.5'.
13B-0505-C1ES	3.5 - 4.5	0	0	0	4		SM	fine silty SAND, little medium sand and fine gravel, (7.5YR 3/1) very dark gray, dense, moist, red brown clayey silt lense @ 3.9'.
13B-0505-C1FS	4.5 - 5.2	0	0	0	5		ML	SILT and very fine SAND, trace clay, (7.5YR 3/4) dark brown, non plastic, dense, moist.
							SW	fine to coarse SAND, some fine to medium gravel, (7.5YR 3/3) dark brown, very dense, moist, red gravel (transition to native).
					6		ML	SILTand very fine SAND, (7.5YR 4/4) brown, non plastic, very stiff, moist (Native).
								End of logging: 6.53

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.69	28.0	0.13
B-C	2.82	25.0	0

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Core ID: 13B-0505-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 2:22:00 PM
Date Completed: 9/30/2013 3:20:00 PM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.2 ft
Recovery Depth: 6 ft
Processed Length: 5.33 ft
Water Depth: 20.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 706029.62
Easting (NJSPNAD83): 587347.66
River Bottom Elevation NGVD: -16.3 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0505-C2AS	0 - 0.5	0	0	0			OL	SILT, little to some fine sand, (2.5YR 2.5/1) reddish black, medium dense, saturated to wet, organics and fine sand at 0.35'.
							SP	fine to medium SAND, little organics, (2.5YR 2.5/1) reddish black, medium dense, wet, (wood/sticks).
					1		OL	SILT, little fine sand, trace clay, (2.5YR 2.5/1) reddish black, low plasticity, soft, wet.
							SM	fine SAND, some silt, little medium sand, (2.5YR 2.5/1) reddish black, medium dense, moist, 2" clayey silt at 2.0' and 2.55'.
13B-0505-C2CS	1.5 - 2.5	0	0	0	2			
							OL	SILT, little fine sand, trace clay, (2.5YR 2.5/1) reddish black, low plasticity, soft, wet.
					3		SM	silty SAND, (2.5YR 2.5/1) reddish black, medium dense, moist.
							OL	SILT, little fine sand, trace clay, (2.5YR 2.5/1) reddish black, low plasticity, soft, wet.
					4		SP	fine SAND, some silt, little medium sand, medium dense, moist, 2" clayey silt at 2.0' and 2.55'.
							OL	SILT, little fine sand, trace clay, (2.5YR 2.5/1) reddish black, low plasticity, soft, wet.
							SP	fine SAND, some silt, little medium sand, (2.5YR 2.5/1) reddish black, medium dense, moist.
13B-0505-C2FS	4.5 - 5.33	0	0	0	5		OL	SILT, trace clay little fine sand, (2.5YR 2.5/1) reddish black, low plasticity, soft, wet.
							SM	fine silty SAND, trace medium sand, (5YR 3/3) dark reddish brown, medium dense, moist.
								End of logging: 5.33

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.62	21.8	0.35
B-C	2.71	20.6	0

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Core ID: 13B-0506-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 12:03:00 PM
Date Completed: 10/3/2013 4:20:00 PM
River Mile: 7.32

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.1 ft
Recovery Depth: 2.8 ft
Processed Length: 2.5 ft
Water Depth: 10.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705990.09
Easting (NJSPNAD83): 587476.16
River Bottom Elevation NGVD: -10.7 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0506-C2AS	0 - 0.5	0	0	0			OL	SILT, (10YR 2/1) black, very soft, saturated.
							SW	fine SAND with gravel and cobbles, (5YR 3/2) dark reddish brown, dense, wet to moist, little silt, some medium-coarse sand, coarsens w/ depth.
13B-0506-C2BS	0.5 - 1.5	0	0	0	1			
							GW	GRAVEL and fine to coarse SAND, some cobbles, (5YR 3/2) dark reddish brown, dense, wet, well graded, reddish gravel & cobbles (transition zone).
13B-0506-C2CS	1.5 - 2.5	0	0	0	2			
								End of logging: 2.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.50	23.2	0.16

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Core ID: 13B-0506-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 12:58:00 PM
Date Completed: 10/3/2013 5:10:00 PM
River Mile: 7.32

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.2 ft
Recovery Depth: 2 ft
Processed Length: 1.44 ft
Water Depth: 9.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705985.13
Easting (NJSPNAD83): 587479.26
River Bottom Elevation NGVD: -10.3 ft
Weather: sunny and hot
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0506-C3AS	0 - 0.5	0	0	0			OL	SILT, some fine to medium sand and organics, (2.5Y 2.5/1) black, soft to medium stiff, saturated, trace clay.
							SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, wet.
13B-0506-C3BS	0.5 - 1.44	0	0	0	1		OM	ORGANICS and debris, little fine sand, (2.5Y 2.5/1) black, loose, saturated.
							SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, moist.
								End of logging: 1.44

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	1.44	10.6	0

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Core ID: 13B-0507-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 8:53:00 AM
Date Completed: 10/2/2013 11:30:00 AM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.8 ft
Recovery Depth: 3.6 ft
Processed Length: 3.55 ft
Water Depth: 6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705926.55
Easting (NJSPNAD83): 587584.42
River Bottom Elevation NGVD: -3.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0507-C2AS	0 - 0.5	0	0	0			CL	silty CLAY, (10YR 2/1) black, medium plasticity, stiff, wet to moist.
13B-0507-C2BS	0.5 - 1.5	0	0	0	1		SP	fine SAND, little silt, trace medium sand, (10YR 2/1) black, medium dense, moist, few clayey silt layers, small red sand clasts at 1.2' and 1.8'.
13B-0507-C2CS	1.5 - 2.5	0	0	0	2			
13B-0507-C2DS	2.5 - 3.5	0	0	0	3		CL	CLAY, some silt, (10YR 2/1) black, medium plasticity, medium stiff, moist, fine sand layer 3.05-3.2'.
								End of logging: 3.55

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.55	27.6	0.15

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Core ID: 13B-0507-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 9:27:00 AM
Date Completed: 10/2/2013 1:15:00 PM
River Mile: 7.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.7 ft
Recovery Depth: 3.4 ft
Processed Length: 3.3 ft
Water Depth: 5.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 705921.14
Easting (NJSPNAD83): 587585.72
River Bottom Elevation NGVD: -3.7 ft
Weather: 5.3
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
							SP	fine SAND, little to some silt, (10YR 2/1) black, medium dense, wet.
13B-0507-C3AS	0 - 0.5	0	0	0			CL	silty CLAY, (10YR 2/1) black, low plasticity, stiff, moist to wet.
					1		SP	fine SAND, little silt, (10YR 2/1) black, medium dense, moist, few thin silty clay layers throughout, small red sand clasts at 1.4'.
					2			
13B-0507-C3DS	2.5 - 3.3	0	0	0	3			
							CL	CLAY, some silt, (10YR 3/1) very dark gray, medium plasticity, medium stiff, moist, few fine sand lenses.
								End of logging: 3.3

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.30	27.2	0.11

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Core ID: 13B-0509-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 11:54:00 AM
Date Completed: 10/15/2013 1:45:00 PM
River Mile: 8.55

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.4 ft
Recovery Depth: 4.6 ft
Processed Length: 4.17 ft
Water Depth: 8.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 711830.32
Easting (NJSPNAD83): 589716.34
River Bottom Elevation NGVD: -11.9 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0509-C1AS	0 - 0.5	0	0	0			OL	SILT, some fine to medium sand, coarse angular gravel, and clay, (10YR 2/1) black, non plastic, medium stiff to soft, saturated, moderate HC-like odor.
13B-0509-C1BS	0.5 - 1.5	0	0	0	1		ML	SILT, some to little clay, little fine sand, (5YR 3/2) dark reddish brown, low plasticity, soft to medium stiff, wet, slight HC-like odor, black staining and odor 0.67'-0.95' and 1.3'-1.35'.
13B-0509-C1CS	1.5 - 2.5	0	0	0	2		ML	SILT, some fine sand, little clay, (10YR 2/1) black, non plastic, medium stiff, moist, moderate HC-like odor, heavy staining and medium to coarse slag pieces at 3.3'-3.7'.
13B-0509-C1DS	2.5 - 3.17	0	0	0	3			
13B-0509-C1ES	3.17 - 4.17	0	0	0	4		SM	silty SAND, trace medium gravel, (10YR 2/1) black, medium dense, wet to moist, slight HC-like odor, slight washout at bottom.
								End of logging: 4.17

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.17	30.4	0.14

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Core ID: 13B-0509-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 1:35:00 PM
Date Completed: 10/15/2013 2:55:00 PM
River Mile: 8.55

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.4 ft
Recovery Depth: 5.3 ft
Processed Length: 5.04 ft
Water Depth: 8.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 711828.3
Easting (NJSPNAD83): 589713.83
River Bottom Elevation NGVD: -8.7 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0509-C2AS	0 - 0.5	0	0	0			OL	SILT with coarse GRAVEL (angular), some to little fine to medium sand, (10YR 2/1) black, very soft, saturated, moderate HC-like odor, HC-like staining, slight sheen.
13B-0509-C2BS	0.5 - 1.5	0	0	0	1		ML	SILT, some to little clay, trace fine sand, (5YR 3/2) dark reddish brown, low plasticity, soft to stiff, saturated to wet, slight HC-like odor, black staining and odor 1.65-1.87'.
13B-0509-C2CS	1.5 - 2.5	0	0	0	2		ML	SILT, some to little fine sand, little clay, (10YR 2/1) black, non plastic, medium stiff, moist, moderate HC-like odor.
13B-0509-C2DS	2.5 - 3.5	0	0	0	3		SM	silty SAND, (10YR 2/1) black, medium dense, moist, slight HC-like odor, HC-like staining, thin organic lense at 2.8'.
							ML	sandy SILT, trace clay, (10YR 2/1) black, low plasticity, medium stiff, moist, slight HC-like odor, HC-like staining.
					4		ML	clayey SILT, some to little fine sand, (10YR 2/1) black, low plasticity, moist, moderate HC-like odor, HC-like staining.
					5		SM	fine silty SAND, (10YR 2/1) black, moist to wet, fine to coarse sand layer at 4.6'-4.85', some to little organics & debris (cloth, plastic) throughout.
								End of logging: 5.04

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.95	22.8	0.21
B-C	2.09	14.2	

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Core ID: 13B-0510-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/25/2013 9:00:00 AM
Date Completed: 9/25/2013 5:15:00 PM
River Mile: 8.71

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 7.1 ft
Processed Length: 3.82 ft
Water Depth: 8.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 712573.89
Easting (NJSPNAD83): 590067.16
River Bottom Elevation NGVD: -8.7 ft
Weather: Sunny, Lt Breeze
Logged By: TW/EF
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0510-C1AS	0 - 0.5	0	0	0			OL-SM	fine silty SAND, trace organics and debris, (5Y 2.5/1) black, loose to medium dense, saturated, slight HC-like odor, silt layer on surface.
13B-0510-C1BS	0.5 - 1.7	0	0	0	1		SW	fine to medium SAND with medium to coarse gravel, (10YR 2/2) very dark brown, dense, wet, slight HC-like odor, subrounded-subangular, cobble at 1.7'-2.1', black staining 1.3'-1.5'.
					2		SP	very fine SAND and SILT, (5YR 4/3) reddish brown, dense, moist (Native).
							SP	medium SAND, little coarse gravel, (5YR 4/3) reddish brown, dense, moist, subrounded to rounded (Native).
					3		SW	fine to medium SAND, some coarse gravel, (5YR 4/3) reddish brown, moist, poorly graded, coarse sand zones at 3.3' and 3.7' (Native).
								End of logging: 3.82

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.82	36.4	0.38

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Core ID: 13B-0510-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/25/2013 10:00:00 AM
Date Completed: 9/25/2013 3:50:00 PM
River Mile: 8.71

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 7.6 ft
Processed Length: 4.27 ft
Water Depth: 10.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 712572.81
Easting (NJSPNAD83): 590071.26
River Bottom Elevation NGVD: -9.2 ft
Weather: Sunny, Lt Breeze
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0510-C3AS	0 - 0.5	0	0	0			OL-SM	fine silty SAND, few organics, (5Y 2.5/1) black, loose, saturated, slight HC-like odor, silt layer on surface.
13B-0510-C3BS	0.5 - 1.9	0	0	0	1		SW	fine to medium SAND, (10YR 2/2) very dark brown, dense, moist, subrounded to subangular gravel, cobble at 1.2'.
							SW	fine to medium SAND, (10YR 2/2) very dark brown, dense, transition to native material with large gravel.
					2		SP	fine SAND, little coarse gravel and cobbles, (5YR 4/3) reddish brown, moist, homogenous (Native).
					3		SP	fine to coarse SAND, (5YR 4/3) reddish brown, dense, moist, well graded, fine to coarse gravel (red), rounded to subrounded (Native).
					4			End of logging: 4.27

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.27	40.4	0.22

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Core ID: 13B-0511-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 9:08:00 AM
Date Completed: 10/8/2013 5:10:00 PM
River Mile: 8.7

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.3 ft
Processed Length: 8.09 ft
Water Depth: 6.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 712452.1
Easting (NJSPNAD83): 590287.32
River Bottom Elevation NGVD: -3.2 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0511-C1AS	0 - 0.5	0	0	0	0		OL	SILT, trace organics, (10YR 3/1) very dark gray, very soft, saturated.
							OL	sandy SILT, some to little clay, (10YR 3/1) very dark gray, non plastic, soft, saturated to wet.
13B-0511-C1BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT, little to trace fine sand, (10YR 3/1) very dark gray, low plasticity, soft to medium stiff, wet to moist, 1/4"-1/2" fine medium black stained sand with slight HC-like odor at 2.54' and 3.05', red sand clasts and brick fragments at 3.05'.
13B-0511-C1CS	1.5 - 2.5	0	0	0	2			
					3			
					4		CL	silty CLAY, trace fine sand and gravel, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, moderate HC-like odor, small red gravel at 4.25'.
					5		SP	fine SAND, some silt, (10YR 3/1) very dark gray, dense, moist to wet, slight HC-like odor.
13B-0511-C1GS	5.5 - 6.5	0	0	0	6		SP-SW	fine to medium SAND, some to little silt, little coarse sand and gravel, (10YR 3/1) very dark gray, moist, well graded, silt decreases with depth, color change at 6.9' (10YR 3/2).
					7		SW-GW	fine to coarse SAND and GRAVEL, (5YR 3/3) dark reddish brown, medium dense, moist, large red gravel and cobbles at 7.2-7.55' (transitions to native).
					8		ML	very fine SAND and SILT, (5YR 4/3) reddish brown, non plastic, very stiff to dense, moist (Native).
								End of logging: 8.09

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.33	27.4	0.16
B-C	3.76	33.0	

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Core ID: 13B-0511-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 10:15:00 AM
Date Completed: 10/8/2013 3:00:00 PM
River Mile: 8.7

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 7.3 ft
Processed Length: 6.95 ft
Water Depth: 7.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 712443.1
Easting (NJSPNAD83): 590285.48
River Bottom Elevation NGVD: -2.8 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0511-C3AS	0 - 0.5	0	0	0			OL	SILT, trace organics, (10YR 3/1) very dark gray, non plastic, very soft, saturated.
							OL	sandy SILT, some clay, (10YR 3/1) very dark gray, low plasticity, soft, saturated to wet, trace organics (sticks/leaves), firm to medium stiff with depth, few pieces large gravel and brick at 1.5'-2.0'.
13B-0511-C3BS	0.5 - 1.5	0	0	0	1			
13B-0511-C3CS	1.5 - 2.5	0	0	0	2		SM	fine to medium silty SAND, little coarse sand and gravel, (10YR 2/1) black, medium dense, wet, slight HC-like odor, HC-like staining, small red sand clasts, clayey silt vertically along liner 2.27'-2.78'.
13B-0511-C3DS	2.5 - 3.5	0	0	0	3		CL	silty CLAY, trace fine sand, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, black staining and moderate HC-like odor 3.3'-3.84'.
13B-0511-C3ES	3.5 - 4.5	0	0	0	4		CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, black staining 4.35'-5.3', thin (1/4") native red sand lense at 5.42'.
13B-0511-C3FS	4.5 - 5.5	0	0	0	5			
13B-0511-C3GS	5.5 - 5.95	0	0	0				
13B-0511-C3HS	5.95 - 6.95	2	0	0	6		SM	fine silty SAND, little fine gravel, (10YR 3/1) very dark gray, medium dense, moist to wet, slight HC-like odor.
							CL	clayey SILT, trace fine sand, (10YR 2/1) black, low plasticity, medium stiff, wet, slight HC-like odor.
							SM	fine to medium silty SAND, some fine to coarse gravel, (10YR 2/1) black, dense to very dense, wet to moist, slight HC-like odor, some to little slag, large angular cobble at 6.62'-6.85', few native silt and fine sand lenses at bottom.
								End of logging: 6.95

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.84	25.6	0.14
B-C	3.11	21.6	

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Core ID: 13B-0515-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 12:52:00 PM
Date Completed: 10/9/2013 11:35:00 AM
River Mile: 9.07

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.7 ft
Processed Length: 3.06 ft
Water Depth: 16.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 714094.44
Easting (NJSPNAD83): 591317.04
River Bottom Elevation NGVD: -12.1 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0515-C1AS	0 - 0.5	0	0	0			OL	SILT, (10YR 2/1) black, very soft, saturated (soupy).
							SW	fine to coarse SAND, little to trace organics, (10YR 3/4) dark yellowish brown, medium dense, wet, 0.3-0.4' some to little fine to coarse gravel, large gravel 0.5'-0.85' (red).
13B-0515-C1BS	0.5 - 1.71	0	0	0	1			
					2		ML	SILT, little clay, (5YR 4/4) reddish brown, non plastic, medium stiff to stiff, wet to moist (Native).
					3			End of logging: 3.06

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.06	29.4	0.44

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Core ID: 13B-0515-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 1:48:00 PM
Date Completed: 10/9/2013 12:15:00 PM
River Mile: 9.07

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 7.2 ft
Processed Length: 4.14 ft
Water Depth: 14.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 714088.65
Easting (NJSPNAD83): 591318.02
River Bottom Elevation NGVD: -11.4 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0515-C2AS	0 - 0.5	0	0	0			OL	clayey SILT, little fine sand, (2.5Y 2.5/1) black, low plasticity, stiff, saturated to wet, slight HC-like odor, top 0.2' very soft (soupy).
							SP	fine SAND, little to some silt, (10YR 2/1) black, dense, wet.
					1		SW	fine to coarse SAND, little fine to medium gravel, trace silt, (10YR 3/1) very dark gray, medium dense, moist, large gravel at contact with native material at 2.15'-2.19', color change at 1.25' (10YR 3/3).
13B-0515-C2CS	1.5 - 2.19	0	0	0	2			
							ML	SILT, (5YR 4/3) reddish brown, very stiff, wet to moist (Native).
					3		SP	fine SAND, (5YR 4/3) reddish brown, dense, moist (Native).
							ML	very fine SAND and SILT, (5YR 4/3) reddish brown, very dense to stiff, moist (Native).
					4		SP	fine SAND, (5YR 4/3) reddish brown, dense, moist (Native).
								End of logging: 4.14

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.14	37.6	0.28

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Core ID: 13B-0516-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 9:30:00 AM
Date Completed: 10/11/2013 7:55:00 AM
River Mile: 9.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 13.4 ft
Recovery Depth: 13.6 ft
Processed Length: 12.7 ft
Water Depth: 14 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 714858.36
Easting (NJSPNAD83): 591540.82
River Bottom Elevation NGVD: -13 ft
Weather: Rain, Breezy
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0516-C2AS	0 - 0.5	0	0	0	1		OL	sandy SILT, little organics and clay, (2.5Y 3/1) very dark gray, non plastic, soft to very soft, saturated, black staining and HC-like odor at 1.75-2.3', clay increases with depth.
13B-0516-C2BS	0.5 - 1.5	0	0	0				
13B-0516-C2CS	1.5 - 2.5	0	0	0	2			
13B-0516-C2DS	2.5 - 3.5	1	0	0	3		CL	silty CLAY, trace fine sand, (2.5Y 2.5/1) black, low plasticity, medium stiff, wet to moist, moderate HC-like odor, HC-like staining, black stained throughout.
13B-0516-C2ES	3.5 - 4.5	0	0	0	4		ML	clayey SILT, some sand, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, moist, moderate HC-like odor.
13B-0516-C2FS	4.5 - 5.5	0	0	0	5		CL	silty CLAY, (2.5Y 2.5/1) black, medium plasticity, medium stiff to stiff, moist, moderate HC-like odor and black staining to 6.3'.
13B-0516-C2GS	5.5 - 6.5	1	0	0.007	6			
13B-0516-C2HS	6.5 - 7.5	0	0	0	7		SP-ML	silty CLAY, (10YR 3/2) very dark grayish brown, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, interbedded red-brown (5YR 3/3) fine SAND lenses (SP).
13B-0516-C2IS	7.5 - 8.5	1	0	0	8		CL	CLAY, some to little silt, trace organics, (2.5Y 2.5/1) black, medium plasticity, stiff, moist, slight HC-like odor, black staining and odor 7.7'-8.02' and 8.67'-9.77', sand lense 8.04'-8.15', interbedded fine sand lenses (red) at 10.58'-10.96'.
13B-0516-C2JS	8.5 - 9.5	1	0	0.003	9			
13B-0516-C2KS	9.5 - 10.4	1	0	0.005	10			
13B-0516-C2LS	10.4 - 11.4	1	0	0	11		ML	sandy SILT, (5YR 3/2) dark reddish brown, non plastic, stiff, moist, slight HC-like odor, HC-like staining.
					12		SP	very fine to fine SAND, little silt, trace organics, (5YR 4/2) dark reddish gray, dense, moist, slight HC-like odor, homogenous, minor black staining throughout. (Native)
								End of logging: 12.7

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.70	23.2	0.23
B-C	4.0	23.6	
C-D	5.0	34.6	

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Core ID: 13B-0516-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 11:00:00 AM
Date Completed: 10/11/2013 11:40:00 AM
River Mile: 9.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 12.3 ft
Recovery Depth: 12.6 ft
Processed Length: 3.79 ft
Water Depth: 17.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 714850.87
Easting (NJSPNAD83): 591543.67
River Bottom Elevation NGVD: -13.5 ft
Weather: Rain, Breezy
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0516-C3AS	0 - 0.5	0	0	0			OL	sandy SILT, some to little organics, little clay, (10YR 2/1) black, non plastic, very soft to soft, saturated.
13B-0516-C3BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT, little fine sand, (10YR 2/1) black, low plasticity, soft to medium stiff, wet to moist, moderate HC-like odor, black staining and HC-like odor at 1.21'-1.57' and 2.07'-3.79' with trace organics.
					2			
					3		CL	silty CLAY, (10YR 2/1) black, low plasticity, medium stiff, moist, moderate HC-like odor, HC-like staining.
								End of logging: 3.79

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.79	23.2	0.16

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Core ID: 13B-0519-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/22/2013 9:20:00 AM
Date Completed: 10/22/2013 2:15:00 PM
River Mile: 9.29

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 20 ft
Recovery Depth: 17.6 ft
Processed Length: 17.1 ft
Water Depth: 18.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 715161.14
Easting (NJSPNAD83): 591722.98
River Bottom Elevation NGVD: -15.3 ft
Weather: sunny, cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0519-C2AS	0 - 0.5	0	0	0	0		OL	SILT, some fine sand, (10YR 2/2) very dark brown, low plasticity, very soft, saturated, moderate HC-like odor.
13B-0519-C2BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, some clay, (5YR 2.5/1) black, loose, wet, moderate HC-like odor, root hairs, layer of black silty clay 1.0-1.14'.
13B-0519-C2CS	1.5 - 2.5	0	0	0	2		OL	SILT, little clay, trace fine sand, (10YR 2/2) very dark brown, medium plasticity, soft, wet, moderate HC-like odor, sand lense at 1.6'.
13B-0519-C2DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, trace clay, (5YR 2.5/1) black, dense, moist, moderate HC-like odor.
13B-0519-C2ES	3.5 - 4.5	0	0	0.003	4		ML	SILT, some clay, (N 2.5/) black, high plasticity, soft, wet, moderate HC-like odor.
13B-0519-C2FS	4.5 - 5.5	0	0	0.003	5			
13B-0519-C2GS	5.5 - 6.5	0	0	0	6			
13B-0519-C2HS	6.5 - 7.5	0	0	0	7			
13B-0519-C2IS	7.5 - 8.5	0	0	0	8			
13B-0519-C2JS	8.5 - 9.5	0	0	0	9		SM	fine silty SAND, some mica, (10YR 2/2) very dark brown, medium dense, moist, moderate HC-like odor, layer of black fat clay 9.15-9.36'.
13B-0519-C2KS	9.5 - 10.5	0	0	0	10		ML	SILT, some clay, (10YR 2/1) black, high plasticity, medium stiff, moist, slight HC-like odor, dark brown silt lense 10.5-10.55'.
13B-0519-C2LS	10.5 - 11.5	0	0	0	11			
13B-0519-C2MS	11.5 - 12.5	0	0	0	12		ML	fine sandy SILT, (10YR 2/2) very dark brown, moist, slight HC-like odor.
13B-0519-C2NS	12.5 - 13.5	0	0	0	13		SM	fine silty SAND, (10YR 2/2) very dark brown, dense, clay layers at 12.32-12.53' and 12.7-12.8', mica flakes between 12.5 and 12.9', grades to reddish-brown silty sand (5YR 3/3).
13B-0519-C2OS	13.5 - 14.5	0	0	0	14		SP	fine SAND, trace silt, (5YR 4/1) dark gray, medium dense, slightly moist, slight HC-like odor, black clay layer 13.75-13.95'.
13B-0519-C2PS	14.5 - 15.5	0	0	0	15		SP	fine to medium SAND, trace silt, (5YR 2.5/1) black, dense, slightly moist, slight HC-like odor.
13B-0519-C2QS	15.5 - 16.1	0	0	0	16		SP	fine SAND, trace silt, (5YR 2.5/1) black, dense, slightly moist, slight HC-like odor, sandy clay layer (14.6-14.8), 0.05' seam of very dark brown medium to fine sand at 15.0', two large cobbles at 15.6'.
13B-0519-C2RS	16.1 - 17.1	0	0	0	17		SP	fine to medium SAND, trace silt, (5YR 3/4) dark reddish brown, medium dense, slightly moist.
								End of logging: 17.1

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
D-E	4.30	33.0	0.15
B-C	4.58	26.0	
C-D	4.52	31.0	

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Core ID: 13B-0519-C5

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/22/2013 12:30:00 PM
Date Completed: 10/23/2013 10:10:00 AM
River Mile: 9.29

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 12.4 ft
Recovery Depth: 11 ft
Processed Length: 0.5 ft
Water Depth: 19.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 715154.29
Easting (NJSPNAD83): 591718.05
River Bottom Elevation NGVD: -15.8 ft
Weather: Overcast
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0519-C5AS	0 - 0.5	0	0	0.005			SM	fine silty SAND, some clay, (10YR 2/2) very dark brown, medium dense, saturated, moderate HC-like odor, black muck on top, trash.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.87	26.0	0.16

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Core ID: 13B-0521-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 9:15:00 AM
Date Completed: 10/10/2013 9:35:00 AM
River Mile: 9.37

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.7 ft
Recovery Depth: 8.4 ft
Processed Length: 7.8 ft
Water Depth: 19.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 715525.57
Easting (NJSPNAD83): 591969.13
River Bottom Elevation NGVD: -16.8 ft
Weather: overcast and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0521-C2AS	0 - 0.5	0	0	0			SP	fine SAND, some to little silt, trace organics, (10YR 3/1) very dark gray, medium dense, wet, homogenous, angular contact with silt below.
13B-0521-C2BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT with organics, (10YR 2/1) black, low plasticity, very soft, wet.
13B-0521-C2CS	1.5 - 2.5	0	0	0	2		SP	fine SAND, some silt, trace organics, (10YR 3/1) very dark gray, medium dense, moist, homogenous, organics (leaves) at 2.32-2.53'.
13B-0521-C2DS	2.5 - 3.5	0	0	0	3		CL	CLAY, little silt, (10YR 2/1) black, low plasticity, soft, moist.
13B-0521-C2ES	3.5 - 4.5	0	0	0	4		SP	fine SAND, some silt, trace organics, (10YR 3/1) very dark gray, medium dense, moist, organics at 3.72'.
							CL	CLAY, little silt, (10YR 2/1) black, medium plasticity, medium stiff, moist.
13B-0521-C2FS	4.5 - 5.5	1	0	0	5		CL	CLAY, little silt, (10YR 2/1) black, medium plasticity, medium stiff, strong HC-like odor, black staining & strong HC-like odor at 4.5-5.6', 5.9-7.63', trace fine sand and organics at 5.9-6.55'.
13B-0521-C2GS	5.5 - 6.5	2	0	0	6			
13B-0521-C2HS	6.5 - 7.63	0	0	0.003	7			
							SP	very fine SAND, little silt, (5YR 4/3) reddish brown, medium dense, moist (Native).
							ML	
							SM	SILT, some clay, (5YR 4/2) dark reddish gray, medium stiff, moist (Native).
								SAND, (5YR 4/2) dark reddish gray, dense, moist, washout from core shoe at bottom. (Native)
								End of logging: 7.8

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.04	31.8	0.04
B-C	3.76	22.6	

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Core ID: 13B-0521-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 9:51:00 AM
Date Completed: 10/10/2013 11:30:00 AM
River Mile: 9.37

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.4 ft
Recovery Depth: 7.5 ft
Processed Length: 3.5 ft
Water Depth: 19.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 715529.68
Easting (NJSPNAD83): 591966.64
River Bottom Elevation NGVD: -16.1 ft
Weather: overcast and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0521-C3AS	0 - 0.5	0	0	0			SP	fine SAND, little silt, trace organics, (10YR 3/1) very dark gray, medium dense, wet, thin organic lenses at 1.02, 1.42, 1.53'.
13B-0521-C3BS	0.5 - 1.5	0	0	0	1		ML	sandy SILT, little clay, (10YR 2/1) black, non plastic, medium stiff, moist, debris (cloth).
13B-0521-C3CS	1.5 - 2.5	0	0	0	2		SP	fine SAND, little silt, trace organics, (10YR 3/1) very dark gray, medium dense, moist.
							SM	fine silty SAND, trace medium to coarse sand, (10YR 2/2) very dark brown, medium dense, moist, thin organic lenses.
					3		CL	CLAY, some silt, (10YR 2/1) black, low plasticity, soft, wet to moist, angular contact at top 1.7-1.85'.
							SM	fine silty SAND, (10YR 3/1) very dark gray, medium dense, moist, with thin organic layers, fine-coarse sand and organics at 3.32'-3.39'.
								End of logging: 3.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.5	28.2	0.06

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Core ID: 13B-0524-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 11:22:00 AM
Date Completed: 10/10/2013 1:20:00 PM
River Mile: 9.73

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.8 ft
Recovery Depth: 6.7 ft
Processed Length: 6.39 ft
Water Depth: 9.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 717304.17
Easting (NJSPNAD83): 592164.17
River Bottom Elevation NGVD: -4.4 ft
Weather: overcast and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0524-C1AS	0 - 0.5	0	0	0			OM-OL	SILT and ORGANICS (leaves/sticks), little to some fine sand, (10YR 3/1) very dark gray, non plastic, very soft to soft, saturated.
13B-0524-C1BS	0.5 - 1.5	0	0	0	1			
13B-0524-C1CS	1.5 - 2.5	0	0	0	2		OM	ORGANICS (leaf mat), (10YR 2/1) black.
							OL	SILT, some clay and fine sand, some to little organics, (10YR 3/1) very dark gray, low plasticity, medium soft to medium stiff, wet to moist.
13B-0524-C1DS	2.5 - 3.5	0	0	0	3		OL	clayey SILT, trace fine sand and organics, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist.
							OL	SILT, some clay and organics, little to trace fine sand, (10YR 3/1) very dark gray, low plasticity, medium stiff, wet to moist, large piece of wood & coarse gravel at 4.2'.
13B-0524-C1ES	3.5 - 4.5	0	0	0	4			
13B-0524-C1FS	4.5 - 5.39	0	0	0	5		OL	clayey SILT, little fine sand, (10YR 2/1) black, low plasticity, medium soft to medium stiff, moist to wet, black staining and slight HC-like odor at 5.13'-5.75'.
13B-0524-C1GS	5.39 - 6.39	1	0	0	6		GM	fine to coarse GRAVEL, some silt, organics, and fine to coarse sand, (10YR 3/1) very dark gray, (washout at bottom).
								End of logging: 6.39

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.13	19.4	0.12
B-C	3.26	17.4	

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Core ID: 13B-0525-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 1:43:00 PM
Date Completed: 10/11/2013 1:05:00 PM
River Mile: 9.85

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.9 ft
Recovery Depth: 8.3 ft
Processed Length: 7.42 ft
Water Depth: 5.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 717904.42
Easting (NJSPNAD83): 592005.25
River Bottom Elevation NGVD: -0.4 ft
Weather: overcast and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0525-C1AS	0 - 0.5	0	0	0			OL	sandy SILT, little organics, trace clay, (10YR 3/1) very dark gray, non plastic, soft, saturated.
13B-0525-C1BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT, some fine sand, trace organics, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist.
13B-0525-C1CS	1.5 - 2.5	0	0	0	2		OL	sandy SILT, trace clay and organics, (10YR 3/1) very dark gray, non plastic, soft to medium stiff, moist.
13B-0525-C1DS	2.5 - 3.5	0	0	0	3		OL	clayey SILT, some to little fine sand, trace organics, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist.
13B-0525-C1ES	3.5 - 4.5	0	0	0	4		CL	silty CLAY, trace organics and fine sand, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, moderate HC-like odor, HC-like staining.
13B-0525-C1FS	4.5 - 5.5	2	0	0	5		SM	fine silty SAND, (10YR 3/2) very dark grayish brown, dense, moist, slight HC-like odor.
13B-0525-C1GS	5.5 - 6.42	1	0	0.005	6		CL	silty CLAY, trace fine sand, (10YR 3/2) very dark grayish brown, medium plasticity, medium stiff, moist, slight HC-like odor, black staining 6.57-6.67' (10YR 2/1).
13B-0525-C1HS	6.42 - 7.42	0	0	0	7		SM	fine silty SAND, (10YR 3/2) very dark grayish brown, dense, moist, slight HC-like odor.
								End of logging: 7.42

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.81	24.0	0.04
B-C	3.61	22.8	

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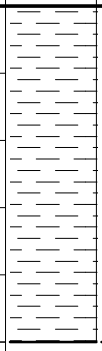
Core ID: 13B-0525-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 2:23:00 PM
Date Completed: 10/11/2013 3:20:00 PM
River Mile: 9.85

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.1 ft
Recovery Depth: 7.6 ft
Processed Length: 0.5 ft
Water Depth: 5.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 717898.98
Easting (NJSPNAD83): 592009.08
River Bottom Elevation NGVD: -1.1 ft
Weather: overcast and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0525-C2AS	0 - 0.5	0	0	0			OL	sandy SILT, some to little organics, trace clay, (10YR 3/1) very dark gray, very soft, saturated.
								End of logging: 0.5

Remarks:	Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
	A-B	3.59	22.8	0.11

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Core ID: 13B-0526-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 7:58:00 AM
Date Completed: 10/9/2013 1:55:00 PM
River Mile: 9.98

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.3 ft
Recovery Depth: 8.7 ft
Processed Length: 8.02 ft
Water Depth: 10.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718615.38
Easting (NJSPNAD83): 591825.18
River Bottom Elevation NGVD: -10.2 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0526-C1AS	0 - 0.5	0	0	0			OM	ORGANICS (wood/sticks), little silt, (10YR 2/1) black, saturated.
							SM	fine silty SAND, (10YR 2/1) black, medium dense, saturated to wet.
13B-0526-C1BS	0.5 - 1.5	0	0	0	1		CL	CLAY, some silt, (10YR 2/1) black, low plasticity, medium soft to medium stiff, wet to moist, strong HC-like odor, HC-like staining, trace organics (leaves) at 1.25'.
13B-0526-C1CS	1.5 - 2.5	3	0	0.003	2			
13B-0526-C1DS	2.5 - 3.5	0	0	0	3			
13B-0526-C1ES	3.5 - 4.5	0	0	0.003	4			
							SM	silty SAND, (7.5YR 3/1) very dark gray, medium dense, moist.
13B-0526-C1FS	4.5 - 5.5	1	0	0	5		CL	fine silty CLAY, (7.5YR 3/1) very dark gray, low plasticity, medium stiff to stiff, moist, slight HC-like odor, piece of wood at 5.33'.
13B-0526-C1GS	5.5 - 6.5	0	0	0	6		SM	fine silty SAND, (5YR 3/1) very dark gray, medium dense to dense, wet, few reddish silt lenses (native), little organics and fine-medium gravel at 7.35'-7.62', minor black staining at 7.1'-7.3' with slight HC-like odor.
13B-0526-C1HS	6.5 - 7.62	0	0	0	7			
					8		SW	fine to medium SAND, little silt and gravel, trace coarse sand, (2.5YR 4/4) reddish brown, dense, moist, slight HC-like odor, some black staining. (Native)
								End of logging: 8.02

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.30	26.2	0.12
B-C	3.72	29.0	

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Core ID: 13B-0526-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 8:27:00 AM
Date Completed: 10/9/2013 4:25:00 PM
River Mile: 9.98

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9 ft
Recovery Depth: 8.5 ft
Processed Length: 4.12 ft
Water Depth: 12.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718618.38
Easting (NJSPNAD83): 591821.63
River Bottom Elevation NGVD: -10.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0526-C2AS	0 - 0.5	0	0	0			CL	CLAY, some silt, trace fine sand, (10YR 2/1) black, low plasticity, medium soft to medium stiff, wet to moist, strong HC-like odor, HC-like staining, trace fine sand and organics at 2', becomes medium stiff to stiff with depth.
					1			
13B-0526-C2CS	1.5 - 2.5	0	0	0	2			
					3			
					4			End of logging: 4.12

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.12	24.4	0.18

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Core ID: 13B-0527-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 11:38:00 AM
Date Completed: 10/9/2013 10:25:00 AM
River Mile: 9.99

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.1 ft
Recovery Depth: 3 ft
Processed Length: 0.5 ft
Water Depth: 7.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718539.83
Easting (NJSPNAD83): 592046.59
River Bottom Elevation NGVD: -2.4 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0527-C1AS	0 - 0.5	0	0	0			ML	SILT and very fine SAND, some clay, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity, very stiff, wet to moist, layer of thin brown saturated silt on surface, mottled gray/brown.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.85	20.6	0.12

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Core ID: 13B-0527-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 12:06:00 PM
Date Completed: 10/9/2013 8:40:00 AM
River Mile: 9.99

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.8 ft
Recovery Depth: 2.8 ft
Processed Length: 2.6 ft
Water Depth: 7.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718544.26
Easting (NJSPNAD83): 592049.42
River Bottom Elevation NGVD: -2.4 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0527-C2AS	0 - 0.5	0	0	0			ML	SILT, some clay, little fine sand, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity, very stiff, wet to moist, very thin layer silt with sticks at surface, gray/brown mottled.
							SM	silty SAND, (N 3/) very dark gray, dense to very dense, wet.
13B-0527-C2BS	0.5 - 1.5	0	0	0	1		ML	SILT and very fine SAND, little to trace clay, trace organics (wood), (2.5Y 3/1) very dark gray, non plastic, stiff, moist.
							SP	fine SAND, some silt, (2.5Y 3/1) very dark gray, medium dense, moist, wood at 2.01'.
13B-0527-C2CS	1.5 - 2.6	0	0	0	2		ML	SILT, some clay and fine sand, (N 4/) dark gray, medium stiff, moist to wet.
							SW	fine to coarse SAND, little fine to medium gravel, (N 4/) dark gray, medium dense, wet, gray silt layer at 2.51-2.56'.
								End of logging: 2.6

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.60	21.2	0.13

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Core ID: 13B-0527-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 12:33:00 PM
Date Completed: 10/9/2013 9:35:00 AM
River Mile: 9.99

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.6 ft
Recovery Depth: 2.6 ft
Processed Length: 2.31 ft
Water Depth: 7.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718548.8
Easting (NJSPNAD83): 592050.1
River Bottom Elevation NGVD: -2.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0527-C3AS	0 - 0.5	0	0	0			ML	SILT and very fine SAND, some clay, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity, very stiff, wet to moist, thin saturated silt layer with sticks on surface, mottled gray/brown.
							SP	fine SAND, little silt, (N 4/) dark gray, medium dense, wet.
13B-0527-C3BS	0.5 - 1.5	0	0	0	1		ML	SILT, little clay and fine sand, (2.5Y 3/1) very dark gray, low plasticity, stiff, moist, clay increases with depth, trace organics at 1.1' and 1.2'.
13B-0527-C3CS	1.5 - 2.31	0	0	0	2		SW	fine to coarse SAND, little silt, (2.5Y 3/2) very dark grayish brown, loose to medium dense, wet.
							SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, wet to moist.
								End of logging: 2.31

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.31	18.6	0.11

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Core ID: 13B-0527-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 12:52:00 PM
Date Completed: 10/9/2013 11:00:00 AM
River Mile: 9.99

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.8 ft
Recovery Depth: 2.7 ft
Processed Length: 0.5 ft
Water Depth: 7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718546.77
Easting (NJSPNAD83): 592047.69
River Bottom Elevation NGVD: -2.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0527-C4AS	0 - 0.5	0	0	0			ML	SILT, some clay, (10YR 3/4) dark yellowish brown, (N 3/) very dark gray, low plasticity, very stiff, wet to moist, 0.2' layer of saturated SILT on surface, mottled gray brown.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.29	18.6	0.37

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Core ID: 13B-0528-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 10:35:00 AM
Date Completed: 10/10/2013 3:15:00 PM
River Mile: 10.04

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 12 ft
Recovery Depth: 11.6 ft
Processed Length: 11.54 ft
Water Depth: 12.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718836.19
Easting (NJSPNAD83): 592102.32
River Bottom Elevation NGVD: -7.7 ft
Weather: Mostly Clear
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0528-C3AS	0 - 0.5	0	0	0			OL	SILT, little to trace fine sand, (7.5YR 3/1) very dark gray, non plastic, very soft, saturated, black staining and medium soft at bottom 1.05'.
13B-0528-C3BS	0.5 - 1.5	0	0	0.003	1		OL	clayey SILT, trace fine sand, (7.5YR 3/1) very dark gray, low plasticity, soft to medium stiff, wet to moist, strong HC-like odor, black staining and HC-like odor at 0.5'-2.56' and 3.12'-4.12'.
13B-0528-C3CS	1.5 - 2.5	0	0	0	2			
13B-0528-C3DS	2.5 - 3.5	0	0	0.003	3			
13B-0528-C3ES	3.5 - 4.5	1	0	0	4			
13B-0528-C3FS	4.5 - 5.5	2	0	0	5		CL	silty CLAY, (7.5YR 2.5/1) black, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, black staining, few thin fine sand and organic lenses, piece of wood at 6.63'.
13B-0528-C3GS	5.5 - 6.5	0	0	0.003	6			
13B-0528-C3HS	6.5 - 7.5	0	0	0	7			
13B-0528-C3IS	7.5 - 8.5	0	0	0	8			
13B-0528-C3JS	8.5 - 9.5	0	0	0	9		ML	clayey SILT, (7.5YR 3/2) dark brown, medium plasticity, stiff, moist, increasing sand lenses, red fine sand layer 10.8'-10.95' (native), black staining & slight HC-like odor 11.0'-11.54'.
13B-0528-C3KS	9.5 - 10.5	0	0	0.003	10			
13B-0528-C3LS	10.5 - 11.54	0	0	0.005	11			
								End of logging: 11.54

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.75	23.0	0.19
B-C	3.98	25.4	
C-D	3.81	24.6	

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Core ID: 13B-0528-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/9/2013 12:12:00 PM
Date Completed: 10/10/2013 6:30:00 PM
River Mile: 10.04

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 14.6 ft
Recovery Depth: 16.8 ft
Processed Length: 3.77 ft
Water Depth: 13.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718845.47
Easting (NJSPNAD83): 592092.42
River Bottom Elevation NGVD: -8.5 ft
Weather: Mostly Clear
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0528-C4AS	0 - 0.5	0	0	0			OL	SILT, little fine sand, (7.5YR 3/2) dark brown, non plastic, very soft, saturated.
13B-0528-C4BS	0.5 - 1.5	0	0	0	1		OL	SILT, little to some clay, (7.5YR 3/2) dark brown, low plasticity, soft to medium soft, wet, slight HC-like odor.
							OL	clayey SILT, (2.5YR 2.5/1) reddish black, low plasticity, medium soft to medium stiff, wet to moist, strong HC-like odor, HC-like staining, few fine sand lenses.
					2			
					3			End of logging: 3.77

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.77	22.6	0.19

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Core ID: 13B-0529-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/4/2013 10:50:00 AM
Date Completed: 10/7/2013 2:10:00 PM
River Mile: 10.06

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.2 ft
Recovery Depth: 8 ft
Processed Length: 7.26 ft
Water Depth: 14.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718946.57
Easting (NJSPNAD83): 591983.77
River Bottom Elevation NGVD: -11.8 ft
Weather: partly sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0529-C2AS	0 - 0.5	0	0	0	0		OM	ORGANICS (wood) and SILT, saturated.
							SW	fine to coarse SAND, some fine to medium gravel, little to trace silt, (7.5YR 3/1) very dark gray, medium dense, wet to moist, piece of shingle at 0.94', organics (sticks) at 1.9'.
13B-0529-C2BS	0.5 - 1.5	0	0	0	1			
13B-0529-C2CS	1.5 - 2.5	0	0	0	2			
							SP	fine to medium SAND, little to trace silt and coarse sand, (7.5YR 2.5/1) black, dense, moist, poorly graded, thin black stained layer (<1/4") with petroleum-like odor at 2.37', 2.95' and 3.4'.
13B-0529-C2DS	2.5 - 3.5	0	0	0	3			
13B-0529-C2ES	3.5 - 4.2	0	0	0	4			
							ML	SILT, (5YR 4/3) reddish brown, non plastic, very stiff, wet to moist (Native).
					5			
					6			
					7			
								End of logging: 7.26

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.68	33.6	0.03
B-C	3.54	32.6	

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Core ID: 13B-0529-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/4/2013 11:44:00 AM
Date Completed: 10/7/2013 3:45:00 PM
River Mile: 10.06

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.9 ft
Recovery Depth: 7.8 ft
Processed Length: 0.5 ft
Water Depth: 13.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718945.07
Easting (NJSPNAD83): 591980.5
River Bottom Elevation NGVD: -11.7 ft
Weather: sunny and warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0529-C3AS	0 - 0.5	0	0	0			SP	fine to medium SAND, little silt and coarse sand, trace fine gravel, (7.5YR 3/1) very dark gray, medium dense, wet, organics (sticks, wood) at top of core.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.12	38.2	0.12

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Core ID: 13B-0530-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/25/2013 1:28:00 PM
Date Completed: 9/26/2013 9:00:00 AM
River Mile: 10.06

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.5 ft
Processed Length: 4.42 ft
Water Depth: 15.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718937.42
Easting (NJSPNAD83): 592060.74
River Bottom Elevation NGVD: -11.9 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0530-C1AS	0 - 0.5	0	0	0			SP	fine SAND, little silt and coarse sand, (10YR 3/1) very dark gray, medium dense, wet, thin (1/2") layer of dark brown silt at top.
13B-0530-C1BS	0.5 - 1.5	0	0	0	1		OL	SILT, little fine sand, (10YR 3/1) very dark gray, low plasticity, soft, wet to saturated.
							SW	fine to coarse SAND, trace organics (sticks), (10YR 3/1) very dark gray, medium dense, wet, well graded.
							OL	SILT, (10YR 3/1) very dark gray, low plasticity, soft to medium soft, wet.
13B-0530-C1CS	1.5 - 1.8	0	0	0			SP	fine to medium SAND, little coarse sand and silt, (7.5YR 2.5/2) very dark brown, medium dense, moist to wet.
					2		ML	SILT, (5YR 3/2) dark reddish brown, low plasticity, soft to stiff, wet, fine sand layer 2.38'-2.55', stiff below 2.27' (Native).
					3		ML-SP	SILT and fine to medium SAND, (2.5YR 3/3) dark reddish brown, moist, angular contact (Native).
							ML	SILT, (2.5YR 3/3) dark reddish brown, low plasticity, very stiff, moist (Native).
					4			End of logging: 4.42

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.42	36.4	0.03

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Core ID: 13B-0530-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/25/2013 4:12:00 PM
Date Completed: 9/26/2013 10:05:00 AM
River Mile: 10.06

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7 ft
Recovery Depth: 7.3 ft
Processed Length: 4.12 ft
Water Depth: 15.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718937.5
Easting (NJSPNAD83): 592054.9
River Bottom Elevation NGVD: -13.2 ft
Weather: sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0530-C3AS	0 - 0.5	0	0	0			OL	SILT, little fine sand, (10YR 3/2) very dark grayish brown, non plastic, very soft, saturated.
							SP	fine SAND, (10YR 3/1) very dark gray, medium dense, wet, grades to medium sand with trace coarse sand.
13B-0530-C3BS	0.5 - 1.5	0	0	0	1		OL	SILT, little fine sand, trace organics, (10YR 2/1) black, low plasticity, soft, wet.
							SP	fine to coarse SAND, trace silt, (10YR 3/1) very dark gray, medium dense, moist, poorly graded, coarsens downward.
13B-0530-C3CS	1.5 - 1.93	0	0	0				
					2		ML	SILT, trace fine sand, (5YR 3/2) dark reddish brown, low plasticity, soft to medium stiff, wet (Native).
							SP	fine to medium SAND, trace coarse sand and silt, (10YR 2/2) very dark brown, dense, moist, inclusions of silt (red).
					3		ML	SILT, (2.5YR 4/3) reddish brown, low plasticity, very stiff, moist, angular deposition at contact (Native).
					4			End of logging: 4.12

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.12	35.2	0.33

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Core ID: 13B-0530-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/25/2013 4:12:00 PM
Date Completed: 9/26/2013 10:55:00 AM
River Mile: 10.06

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7 ft
Recovery Depth: 5.6 ft
Processed Length: 4.34 ft
Water Depth: 15.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718933.92
Easting (NJSPNAD83): 592053.74
River Bottom Elevation NGVD: -13.3 ft
Weather: sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0530-C4AS	0 - 0.5	0	0	0			OL	SILT, little fine sand, (10YR 3/2) very dark grayish brown, non plastic, very soft, saturated.
13B-0530-C4BS	0.5 - 1.5	0	0	0	1		SP	fine SAND, some silt, (10YR 3/1) very dark gray, medium dense, wet, grades to fine-coarse sand from 1.2'-1.6'.
13B-0530-C4CS	1.5 - 1.62	0	0	0			ML	SILT, little fine sand, (5YR 3/1) very dark gray, low plasticity, soft to medium stiff, wet, color transition to darker red/gray (Native).
					2		SP	fine to medium SAND, little coarse sand, trace silt, (10YR 2/2) very dark brown, medium dense, moist.
					3		ML	SILT, (2.5YR 4/3) reddish brown, non plastic, very stiff, moist (Native).
					4			End of logging: 4.34

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.34	37.4	0.37

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Core ID: 13B-0531-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 8:48:00 AM
Date Completed: 10/14/2013 9:45:00 AM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3 ft
Recovery Depth: 2.6 ft
Processed Length: 2.3 ft
Water Depth: 14 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719056.68
Easting (NJSPNAD83): 592008.51
River Bottom Elevation NGVD: -13.9 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0531-C1AS	0 - 0.5	0	0	0			SW	fine to coarse SAND, some silt and fine to medium gravel, little organics (sticks), (10YR 3/1) very dark gray, medium dense, wet, coal fragments, red sand clasts at 0.8'-1.0'.
13B-0531-C1BS	0.5 - 1.5	0	0	0	1		SP	fine to medium SAND, some to little coarse sand, trace silt, (2.5Y 3/1) very dark gray, medium dense to dense, wet to moist.
13B-0531-C1CS	1.5 - 2.3	0	0	0	2			
								End of logging: 2.3

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.30	20.8	0.10

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Core ID: 13B-0531-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 9:21:00 AM
Date Completed: 10/15/2013 8:20:00 AM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.5 ft
Recovery Depth: 7.9 ft
Processed Length: 7.56 ft
Water Depth: 13.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719050.25
Easting (NJSPNAD83): 592009.48
River Bottom Elevation NGVD: -13.3 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0531-C2AS	0 - 0.5	0	0	0			SP	fine to medium SAND, little coarse sand and fine gravel, (10YR 3/1) very dark gray, medium dense, moist, trace silt & organics (sticks/bark) at surface, fine to coarse sand zone at 0.75-1.25', few coarse gravel and red sand clasts at 3.05'-3.3', thin layer organics at 2.4', slag pieces at 3.9'.
13B-0531-C2BS	0.5 - 1.5	0	0	0	1			
13B-0531-C2CS	1.5 - 2.5	0	0	0	2			
13B-0531-C2DS	2.5 - 3.5	0	0	0	3			
13B-0531-C2ES	3.5 - 4.42	0	0	0	4			
					5		ML	very fine to fine SAND and SILT (2.5YR 4/3) reddish brown (5YR 4/3) reddish brown, non plastic, soft to stiff, wet (Native).
					6			
					7			End of logging: 7.56

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.31	30.0	0
B-C	4.25	38.6	0.10

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Core ID: 13B-0531-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 10:08:00 AM
Date Completed: 10/15/2013 10:30:00 AM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.4 ft
Recovery Depth: 9.6 ft
Processed Length: 0.5 ft
Water Depth: 12.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719045.38
Easting (NJSPNAD83): 592009.46
River Bottom Elevation NGVD: -12.6 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0531-C3AS	0 - 0.5	0	0	0			SW	fine to coarse SAND, little silt and fine to medium gravel, (10YR 3/1) very dark gray, medium dense, wet to moist.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.84	25.6	0

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Core ID: 13B-0532-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 2:33:00 PM
Date Completed: 10/10/2013 8:15:00 AM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.3 ft
Recovery Depth: 9.5 ft
Processed Length: 4.28 ft
Water Depth: 15 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719038.62
Easting (NJSPNAD83): 592073.79
River Bottom Elevation NGVD: -12.9 ft
Weather: sunny and mild
Logged By: EF
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0532-C1AS	0 - 0.5	0	0	0			SP	fine SAND, little silt and medium sand, (10YR 3/1) very dark gray, medium dense, wet to moist, thin layer of silt on surface.
13B-0532-C1BS	0.5 - 1.5	0	0	0	1		ML	SILT, some clay, (5YR 3/2) dark reddish brown, low plasticity, medium soft to medium stiff, wet to moist.
13B-0532-C1CS	1.5 - 2.5	0	0	0	2		SP	fine to medium SAND, little coarse sand and fine gravel, (10YR 3/1) very dark gray, medium dense, moist, coarse gravel at 2.3'.
13B-0532-C1DS	2.5 - 3.73	0	0	0	3		ML	SILT, (5YR 4/2) dark reddish gray, non plastic, very stiff, moist (Native).
					4			End of logging: 4.28

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.28	38.4	0.08

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Core ID: 13B-0532-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/8/2013 3:12:00 PM
Date Completed: 10/10/2013 9:00:00 AM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 9.3 ft
Processed Length: 0.5 ft
Water Depth: 13.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719033.56
Easting (NJSPNAD83): 592076.36
River Bottom Elevation NGVD: -12.7 ft
Weather: sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0532-C2AS	0 - 0.5	0	0	0			OL	SILT, (10YR 3/2) very dark grayish brown, non plastic, very soft, saturated.
							SP	fine SAND, little silt, (10YR 3/1) very dark gray, medium dense, wet to moist.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.13	35.8	0.16

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Core ID: 13B-0533-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 8:36:00 AM
Date Completed: 9/26/2013 6:30:00 PM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 9.3 ft
Processed Length: 0.5 ft
Water Depth: 7.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719014.9
Easting (NJSPNAD83): 592159.64
River Bottom Elevation NGVD: -7.3 ft
Weather: overcast with light wind
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0533-C1AS	0 - 0.5	0	0	0			OL	SILT, little to trace fine sand, (10YR 3/1) very dark gray, non plastic, very soft, saturated.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B		22.2	0.24

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Core ID: 13B-0533-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 9:27:00 AM
Date Completed: 9/26/2013 2:10:00 PM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 9.4 ft
Processed Length: 9.62 ft
Water Depth: 7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719012.83
Easting (NJSPNAD83): 592160.53
River Bottom Elevation NGVD: -7.1 ft
Weather: oercast, mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0533-C2AS	0 - 0.5	0	0	0			OL	SILT, trace fine sand, (10YR 3/1) very dark gray, non plastic, very soft, saturated.
13B-0533-C2BS	0.5 - 1.5	0	0	0	1		OL	SILT, little to some clay, (2.5Y 2.5/1) black, soft, wet to moist, strong HC-like odor, HC-like staining, becomes firm at 1.6'.
13B-0533-C2CS	1.5 - 2.5	1	0	0	2			
13B-0533-C2DS	2.5 - 3.5	0	0	0	3			
13B-0533-C2ES	3.5 - 4.5	1	0	0	4		SM OL	very fine silty SAND, (2.5Y 3/1) very dark gray, medium dense, moist, moderate HC-like odor. SILT, little clay, (10YR 3/1) very dark gray, medium plasticity, medium stiff to stiff, moist, thin fine sand lenses, black staining & moderate to strong HC-like odor at 4.48'-5.12' and 5.75'-5.93', clay content increases with depth.
13B-0533-C2FS	4.5 - 5.5	4	0	0	5			
13B-0533-C2GS	5.5 - 6.5	1	0	0	6		CL	silty CLAY, (10YR 2/2) very dark brown, medium plasticity, stiff, moist, slight HC-like odor, few thin (1/4"-1/2") fine sand lenses between 7.65'-8.35'.
13B-0533-C2HS	6.5 - 7.5	0	0	0	7			
13B-0533-C2IS	7.5 - 8.5	0	0	0	8			
13B-0533-C2JS	8.5 - 9.62	0	0	0	9			
								End of logging: 9.62

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.63	22.8	0.30
B-C	2.43	15.2	0
C-D	3.56	22.2	0

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Core ID: 13B-0533-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 10:11:00 AM
Date Completed: 9/26/2013 4:45:00 PM
River Mile: 10.08

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 9.35 ft
Processed Length: 9.35 ft
Water Depth: 7.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719019.11
Easting (NJSPNAD83): 592160.84
River Bottom Elevation NGVD: -7.1 ft
Weather: partly sunny and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0533-C3AS	0 - 0.5	0	0	0			OL	SILT, little fine sand, (10YR 3/1) very dark gray, non plastic, very soft, wet to saturated.
13B-0533-C3BS	0.5 - 1.5	1	0	0	1		OL	SILT, little to some clay, (2.5Y 2.5/1) black, soft, wet to moist, moderate HC-like odor, becomes firm at 1.3', few thin fine sand lenses, clay content increases with depth.
13B-0533-C3CS	1.5 - 2.5	1	0	0	2			
13B-0533-C3DS	2.5 - 3.5	7	0	0	3			
13B-0533-C3ES	3.5 - 4.5	2	0	0	4		OL	SILT, some fine sand, little clay, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist.
							OL	clayey SILT, (10YR 2/1) black, medium plasticity, medium stiff, moist, moderate HC-like odor, few thin fine sand lenses, black staining and HC-like odor 4.45'-5.05'.
13B-0533-C3FS	4.5 - 5.5	1	0	0	5			
13B-0533-C3GS	5.5 - 6.5	1	0	0	6		OL	clayey SILT, (10YR 2/1) black, medium plasticity, medium stiff, moist, fine sand lenses.
13B-0533-C3HS	6.5 - 7.5	0	0	0	7		CL	silty CLAY, (10YR 2/1) black, medium plasticity, stiff, moist, few thin fine sand lenses throughout.
13B-0533-C3IS	7.5 - 8.5	0	0	0	8			
13B-0533-C3JS	8.5 - 9.35	0	0	0	9			
							CL	CLAY, trace organics, (2.5Y 2.5/1) black, medium plasticity, stiff, moist, slight HC-like odor, slightly darker color.
								End of logging: 9.35

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.92	23.2	0.53
B-C	2.20	14.0	0
C-D	3.92	22.6	0

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Core ID: 13B-0534-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/7/2013 8:50:00 AM
Date Completed: 10/8/2013 10:55:00 AM
River Mile: 10.07

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.7 ft
Recovery Depth: 8.9 ft
Processed Length: 8.59 ft
Water Depth: 4.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718991.22
Easting (NJSPNAD83): 592225.34
River Bottom Elevation NGVD: -0.6 ft
Weather: overcast and mild
Logged By: EF
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0534-C2AS	0 - 0.5	0	0	0			OL	SILT, some to little clay and fine sand, (10YR 2/1) black, low plasticity, soft, saturated to wet, strong HC-like odor, HC-like staining.
13B-0534-C2BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT, little fine sand, (10YR 2/1) black, medium plasticity, soft to medium stiff, wet, moderate HC-like odor, fine sand in lenses, black staining in bands.
13B-0534-C2CS	1.5 - 2.5	0	0	0	2			
13B-0534-C2DS	2.5 - 3.5	0	0	0	3		CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, medium soft to stiff, wet to moist, slight HC-like odor.
13B-0534-C2ES	3.5 - 4.5	0	0	0.003	4			
13B-0534-C2FS	4.5 - 5.5	0	0	0	5		CL	silty CLAY, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, little fine sand in lenses.
13B-0534-C2GS	5.5 - 6.5	0	0	0	6			
13B-0534-C2HS	6.5 - 7.5	0	0	0	7		SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense to dense, moist to wet.
13B-0534-C2IS	7.5 - 8.59	0	0	0	8		CL	silty CLAY, trace fine sand, (10YR 2/1) black, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, fine sand in lenses.
								End of logging: 8.59

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.34	28.0	0.10
B-C	4.25	27.8	

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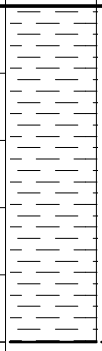
Core ID: 13B-0534-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/7/2013 9:31:00 AM
Date Completed: 10/8/2013 2:25:00 PM
River Mile: 10.07

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.2 ft
Recovery Depth: 7.6 ft
Processed Length: 0.5 ft
Water Depth: 5.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 718991.52
Easting (NJSPNAD83): 592227.46
River Bottom Elevation NGVD: -0.5 ft
Weather: overcast and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0534-C3AS	0 - 0.5	0	0	0			OL	SILT, some clay and fine sand, (10YR 3/2) very dark grayish brown, low plasticity, soft, saturated to wet, strong HC-like odor, thin layer of brown silt over black stained silt.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.81	25.0	0.12

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Core ID: 13B-0535-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 1:52:00 PM
Date Completed: 10/14/2013 8:55:00 AM
River Mile: 10.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5 ft
Recovery Depth: 4.5 ft
Processed Length: 4 ft
Water Depth: 18.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719430.22
Easting (NJSPNAD83): 592035.74
River Bottom Elevation NGVD: -12.9 ft
Weather: overcast and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0535-C2AS	0 - 0.5	0	0	0			OL	SILT, some fine sand, (10YR 3/1) very dark gray, non plastic, very soft, saturated, trace clay and organics.
							SM	fine SAND, some silt, (10YR 3/1) very dark gray, medium dense, wet to moist.
13B-0535-C2BS	0.5 - 1.5	0	0	0	1		ML SW-GW	SILT, trace clay, (10YR 3/1) very dark gray, non plastic, stiff, moist. fine to coarse SAND, some fine to coarse gravel, (2.5Y 3/1) very dark gray, loose to medium dense, moist, well graded, native silt inclusion starting at 2.2'.
13B-0535-C2CS	1.5 - 2.45	0	0	0	2			
					3		ML	SILT, (5YR 4/3) reddish brown, non plastic, very stiff, wet to moist (Native).
					4			End of logging: 4

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.0	36.6	0.19

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Core ID: 13B-0535-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 2:20:00 PM
Date Completed: 10/14/2013 9:45:00 AM
River Mile: 10.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 4.6 ft
Recovery Depth: 5 ft
Processed Length: 0.5 ft
Water Depth: 18.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719432.33
Easting (NJSPNAD83): 592041.73
River Bottom Elevation NGVD: -13.2 ft
Weather: overcast and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0535-C3AS	0 - 0.5	0	0	0			OL	SILT, some to little fine sand and organics, (10YR 3/1) very dark gray, non plastic, very soft, saturated, large piece of wood at surface.
							SM	fine SAND, some silt, (10YR 3/1) very dark gray, medium dense, wet.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.70	24.8	0.32

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Core ID: 13B-0536-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 10:08:00 AM
Date Completed: 10/10/2013 3:35:00 PM
River Mile: 10.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.3 ft
Recovery Depth: 5.9 ft
Processed Length: 5.28 ft
Water Depth: 8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719802.79
Easting (NJSPNAD83): 592264.83
River Bottom Elevation NGVD: -5.9 ft
Weather: rainy and cool
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0536-C1AS	0 - 0.5	0	0	0			OL	sandy SILT, little clay, little to trace organics, (10YR 3/1) very dark gray, very soft to soft, saturated.
13B-0536-C1BS	0.5 - 1.5	0	0	0	1		ML	SILT, some to little clay, (5YR 3/3) dark reddish brown, low plasticity, soft to medium stiff, wet, slight HC-like odor, fine sand in lenses, black staining at 1.65'-2.85'. (Native)
13B-0536-C1CS	1.5 - 2.5	0	0	0	2		SM	fine silty SAND, (10YR 2/1) black, medium dense, moist, moderate HC-like odor, HC-like staining.
13B-0536-C1DS	2.5 - 3.5	0	0	0	3		ML	sandy SILT, some clay, (10YR 2/1) black, non plastic, medium stiff, moist, moderate HC-like odor, HC-like staining.
							SM	fine silty SAND, (10YR 3/1) very dark gray, medium dense, moist, moderate HC-like odor, HC-like staining.
							ML	clayey SILT, (10YR 3/1) very dark gray, medium stiff to stiff, moist, moderate HC-like odor, few fine sand lenses, black staining to 4.67', some washout at bottom 0.25'.
13B-0536-C1ES	3.5 - 4.28	0	0	0	4			
13B-0536-C1FS	4.28 - 5.28	0	0	0	5			
								End of logging: 5.28

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.85	21.6	0.16
B-C	2.43	14.8	

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Core ID: 13B-0536-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/10/2013 11:07:00 AM
Date Completed: 10/11/2013 5:00:00 PM
River Mile: 10.22

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.2 ft
Recovery Depth: 2.5 ft
Processed Length: 0.5 ft
Water Depth: 8.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 719806.07
Easting (NJSPNAD83): 592268.7
River Bottom Elevation NGVD: -5 ft
Weather: cool, showers
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
							OL	SILT, little fine sand, (10YR 2/1) black, non plastic, very soft, saturated.
							SM	silty SAND, some clay, (10YR 2/1) black, medium dense, wet to moist, trace coarse gravel and organics at top 0.3'.
13B-0536-C3AS	0 - 0.5	0	0	0				
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.33	18.4	0.10

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Core ID: 13B-0537-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 1:40:00 PM
Date Completed: 10/17/2013 12:10:00 PM
River Mile: 10.3

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.4 ft
Recovery Depth: 3.7 ft
Processed Length: 3.29 ft
Water Depth: 14.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 720198.24
Easting (NJSPNAD83): 592191.59
River Bottom Elevation NGVD: -14.5 ft
Weather: overcast and mild
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0537-C2AS	0 - 0.5	0	0	0			SM	fine silty SAND, little clay, trace gravel, (10YR 2/2) very dark brown, loose, saturated, inclusions of reddish brown clay.
					1		ML	SILT, some clay, (5YR 3/4) dark reddish brown, medium plasticity, stiff, saturated (Native).
					2			
					3			End of logging: 3.29

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.29	28.2	0.32

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Core ID: 13B-0537-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 2:27:00 PM
Date Completed: 10/16/2013 11:30:00 AM
River Mile: 10.3

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 2.5 ft
Recovery Depth: 2.3 ft
Processed Length: 1.6 ft
Water Depth: 14.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 720193.73
Easting (NJSPNAD83): 592191.98
River Bottom Elevation NGVD: -14.2 ft
Weather: overcast and mild
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0537-C3AS	0 - 0.5	0	0	0			OL	silty CLAY, some fine sand, trace clay, (10YR 2/2) very dark brown, very soft, saturated, slight HC-like odor, some twigs.
							SM	fine to medium silty SAND, trace clay, (10YR 2/2) very dark brown, dense, moist, slight HC-like odor, gravel fragments.
					1		ML	SILT, (5YR 3/4) dark reddish brown, non plastic, wet (Native).
								End of logging: 1.6

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	1.60	15.6	0.51

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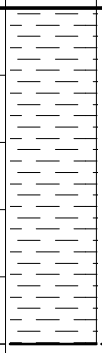
Core ID: 13B-0538-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/15/2013 1:04:00 PM
Date Completed: 10/16/2013 3:40:00 PM
River Mile: 10.3

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.4 ft
Recovery Depth: 5.9 ft
Processed Length: 0.5 ft
Water Depth: 14.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 720210.08
Easting (NJSPNAD83): 592283.32
River Bottom Elevation NGVD: -14.4 ft
Weather: sunny and warm
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0538-C2AS	0 - 0.5	0	0	0			OL	SILT, some clay, (10YR 2/2) very dark brown, low plasticity, very soft, saturated, occasional roots, pieces of gravel.
								End of logging: 0.5

Remarks:	Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
	A-B	2.71	22.6	0.14

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Core ID: 13B-0538-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/15/2013 1:55:00 PM
Date Completed: 10/16/2013 1:35:00 PM
River Mile: 10.3

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.2 ft
Recovery Depth: 7 ft
Processed Length: 6.88 ft
Water Depth: 5.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 720187.09
Easting (NJSPNAD83): 592286.6
River Bottom Elevation NGVD: -5.7 ft
Weather: sunny and warm
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0538-C3AS	0 - 0.5	0	0	0			OL	SILT, some clay, (N 2.5/) black, low plasticity, soft, wet, slight HC-like odor.
13B-0538-C3BS	0.5 - 1.5	0	0	0	1		OL-ML	clayey SILT, (2.5YR 2.5/2) very dusky red, low plasticity, medium dense, wet, strong HC-like odor, grades to fine sandy silt.
13B-0538-C3CS	1.5 - 2.5	0	0	0	2			
13B-0538-C3DS	2.5 - 3.5	0	0	0	3		OL	clayey SILT, (5YR 3/2) dark reddish brown, low plasticity, soft, wet, strong HC-like odor, angular contact with black stained silty clay to 3.2'.
13B-0538-C3ES	3.5 - 4.8	0	0	0.005	4		SM	fine silty SAND, (7.5YR 3/2) dark brown, moist, gravel pieces at 4.1 and 4.8'.
					5		ML	clayey SILT, (2.5YR 4/4) reddish brown, stiff, wet (Native).
					6			End of logging: 6.88

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.88	18.2	0.12
B-C	4.0	32.0	

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Core ID: 13B-0539-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 10:08:00 AM
Date Completed: 10/17/2013 10:30:00 AM
River Mile: 10.45

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.5 ft
Recovery Depth: 8.1 ft
Processed Length: 0.5 ft
Water Depth: 5.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 721018.28
Easting (NJSPNAD83): 592051.14
River Bottom Elevation NGVD: -3.8 ft
Weather: Overcast, Cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0539-C2AS	0 - 0.5	0	0	0			SM	fine to medium silty SAND, some gravel, trace clay, (10YR 2/2) very dark brown, saturated, moderate HC-like odor, 0.25' of muck at surface, debris and glass fragments.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.78	26.4	0.19

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Core ID: 13B-0539-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 10:40:00 AM
Date Completed: 10/17/2013 8:50:00 AM
River Mile: 10.45

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9 ft
Recovery Depth: 9 ft
Processed Length: 8.96 ft
Water Depth: 4.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 721020.44
Easting (NJSPNAD83): 592052.73
River Bottom Elevation NGVD: -3.6 ft
Weather: Overcast, Cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0539-C3AS	0 - 0.5	0	0	0			OL	SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, saturated to wet, moderate HC-like odor, large gravel piece, twigs at surface and at 2.85 and 3.2'.
13B-0539-C3BS	0.5 - 1.5	0	0	0	1			
13B-0539-C3CS	1.5 - 2.5	0	0	0	2			
13B-0539-C3DS	2.5 - 3.5	0	0	0	3			
13B-0539-C3ES	3.5 - 4.5	0	0	0	4		OL	SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, moderate HC-like odor, alternating layers of dark brown and brown (10YR 3/3).
							OL	SILT, trace clay, (10YR 2/2) very dark brown, medium plasticity, soft, wet, moderate HC-like odor.
13B-0539-C3FS	4.5 - 5.5	0	0	0	5		OL	SILT, trace clay, (5YR 4/3) reddish brown, medium plasticity, soft, wet, moderate HC-like odor.
							OL	SILT, trace clay, (10YR 2/2) very dark brown, medium plasticity, soft, moist, moderate HC-like odor.
13B-0539-C3GS	5.5 - 6.5	0	0	0	6			
13B-0539-C3HS	6.5 - 7.59	0	0	0	7		SM	fine to coarse silty SAND, some clay, (10YR 3/3) dark brown, medium dense, moist, moderate HC-like odor, clam shell and 6.7'.
					8		ML	SILT, (5YR 4/4) reddish brown, dense, saturated (Native).
								End of logging: 8.96

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.3	28.2	0.16
B-C	4.66	35.8	

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Core ID: 13B-0540-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/15/2013 11:05:00 AM
Date Completed: 10/16/2013 11:40:00 AM
River Mile: 10.46

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 15 ft
Recovery Depth: 16.2 ft
Processed Length: 3.9 ft
Water Depth: 5.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 721035.53
Easting (NJSPNAD83): 592298.27
River Bottom Elevation NGVD: -6.2 ft
Weather: Sunny
Logged By: EF/TW
QC By: PK/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0540-C3AS	0 - 0.5	0	0	0			OL	SILT, some fine sand, little clay, (2.5Y 2.5/1) black, non plastic, very soft, saturated, trace organics, black staining 0.4-0.5'.
13B-0540-C3BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, wet.
13B-0540-C3CS	1.5 - 2.5	0	0	0	2		OL	clayey SILT, some fine sand, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, wet to moist, moderate HC-like odor, large angular cobble 2.5-2.86'.
					3		SM	fine silty SAND, (10YR 3/1) very dark gray, dense, moist, slight HC-like odor.
							CL	CLAY, little silt, (2.5Y 2.5/1) black, low plasticity, stiff, moist, slight HC-like odor.
								End of logging: 3.9

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.90	26.4	0.22

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Core ID: 13B-0540-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/15/2013 1:05:00 PM
Date Completed: 10/16/2013 8:50:00 AM
River Mile: 10.46

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 15.5 ft
Recovery Depth: 16.3 ft
Processed Length: 11.96 ft
Water Depth: 4.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 721028.35
Easting (NJSPNAD83): 592295.43
River Bottom Elevation NGVD: -6.1 ft
Weather: Sunny
Logged By: EF/TW
QC By: PK/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0540-C4AS	0 - 0.5	0	0	0			OL	SILT, some fine sand, little organics, (2.5Y 2.5/1) black, non plastic, very soft, saturated, (sticks, leaves).
13B-0540-C4BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, (2.5Y 2.5/1) black, medium soft, wet.
							CL	clayey SILT, little fine sand, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, wet to moist, moderate HC-like odor, piece of wood at 2.03'.
13B-0540-C4CS	1.5 - 2.5	0	0	0	2			
13B-0540-C4DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, moist, slight HC-like odor.
13B-0540-C4ES	3.5 - 4.5	0	0	0	4		SP	fine SAND, trace silt, (7.5YR 3/2) dark brown, medium dense, moist.
13B-0540-C4FS	4.5 - 5.5	0	0	0.011	5		SM	silty SAND, (7.5YR 2.5/1) black, medium dense, moist, soft silt lenses 5.2-5.3'.
13B-0540-C4GS	5.5 - 6.5	0	0	0.003	6		ML	clayey SILT, some fine sand, (7.5YR 2.5/1) black, low plasticity, medium stiff, sand lense 6.03-6.08'.
							CL	silty CLAY, (5YR 3/1) very dark gray, low plasticity, medium stiff to stiff, wet to moist, staining 6.15-6.36'.
13B-0540-C4HS	6.5 - 7.5	0	0	0	7			
13B-0540-C4IS	7.5 - 8.5	0	0	0	8		SM	fine to medium silty SAND, trace organics, (7.5YR 2.5/1) black, medium dense, wet to moist, slight HC-like odor, (sticks), black staining.
13B-0540-C4JS	8.5 - 9.5	0	0	0.008	9		ML	clayey SILT, some fine sand, (10YR 2/1) black, medium stiff, moist, slight HC-like odor.
13B-0540-C4KS	9.5 - 10.3	0	0	0	10		SP	fine SAND, some silt, trace wood fragments, (10YR 2/1) black, medium dense, moist, slight HC-like odor.
							ML	clayey SILT, (5YR 4/2) dark reddish gray, low plasticity, medium stiff, moist, slight HC-like odor.
							SP	fine SAND, trace medium to coarse sand, (10YR 3/1) very dark gray, medium dense, moist.
13B-0540-C4LS	10.3 - 11.25	0	0	0	11		ML	clayey SILT, (5YR 4/2) dark reddish gray, low plasticity, stiff, moist (Native).
							SP	fine to medium SAND, (10YR 3/1) very dark gray, medium dense, moist.
								SILT, some clay, (5YR 4/2) dark reddish gray, stiff, moist.
								SAND, (5YR 3/3) dark reddish brown, dense, moist (Native).

End of logging: 11.96

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.88	24.6	0.12
B-C	4.03	30.4	

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Core ID: 13B-0541-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/11/2013 10:40:00 AM
Date Completed: 10/14/2013 1:40:00 PM
River Mile: 10.83

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.9 ft
Recovery Depth: 7.3 ft
Processed Length: 6.65 ft
Water Depth: 11 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723051.5
Easting (NJSPNAD83): 592546.53
River Bottom Elevation NGVD: -10.1 ft
Weather: Overcast, Breezy
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0541-C1AS	0 - 0.5	0	0	0			OL	SILT, some to little fine sand, (7.5YR 2.5/1) black, non plastic, very soft, saturated.
							OL	clayey SILT, little to trace fine sand, (7.5YR 2.5/1) black, low plasticity, medium stiff, wet to moist, slight HC-like odor.
13B-0541-C1BS	0.5 - 1.5	0	0	0	1		SW	fine to coarse SAND, little silt, (2.5YR 3/3) dark reddish brown, moist, slight HC-like odor, well graded, 2 cobbles, black silty fine sand along length of liner, slight HC-like odor with staining.
13B-0541-C1CS	1.5 - 2.5	0	0	0	2		ML	clayey SILT, (2.5YR 3/3) dark reddish brown, low plasticity, medium soft to stiff, moist, slight HC-like odor, black stained at 1.6' and 2.22', clay content decreases with depth. (Native)
							SM	very fine sandy SILT, (7.5YR 2.5/1) black, non plastic, medium stiff, moist.
13B-0541-C1DS	2.5 - 3.5	0	0	0	3		SP-SW	fine to medium SAND, (10YR 4/2) dark grayish brown, medium dense, moist, homogenous, color change to (10 YR 4/4) yellow-brown, grades to fine to coarse sand with fine to coarse gravel at 4.8'-5.0'.
13B-0541-C1ES	3.5 - 4.5	0	0	0	4			
13B-0541-C1FS	4.5 - 5.67	0	0	0	5		SP	fine SAND, some to little medium to coarse sand and gravel, (10YR 4/4) dark yellowish brown, dense, wet to moist, well graded, trace silt lenses.
					6		SP	very fine to fine SAND, (2.5YR 3/4) dark reddish brown, dense, wet to moist, homogenous (Native).
								End of logging: 6.65

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.88	33.4	0.27
B-C	2.77	26.0	

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Core ID: 13B-0541-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/11/2013 11:20:00 AM
Date Completed: 10/14/2013 3:30:00 PM
River Mile: 10.83

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3 ft
Recovery Depth: 3.6 ft
Processed Length: 2.88 ft
Water Depth: 12.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723050.98
Easting (NJSPNAD83): 592540.61
River Bottom Elevation NGVD: -11.5 ft
Weather: Overcast, Breezy
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0541-C2AS	0 - 0.5	0	0	0			OL	SILT, some to little fine sand, (7.5YR 2.5/1) black, non plastic, very soft, saturated.
							SM	fine SAND, some to little silt and clay, (7.5YR 2.5/1) black, medium dense, wet.
13B-0541-C2BS	0.5 - 1.5	0	0	0	1		ML	clayey SILT, (7.5YR 2.5/1) black, low plasticity, medium stiff to soft, moist to wet, slight HC-like odor.
							SW	fine to coarse SAND, little silt, (2.5YR 3/3) dark reddish brown, dense, wet, well graded.
					2		SM	fine silty SAND, little clay and coarse gravel, (7.5YR 2.5/1) black, medium dense, moist, slight HC-like odor, HC-like staining.
							SP	fine to medium SAND, trace coarse sand, (10YR 4/4) dark yellowish brown, medium dense, moist, little iron staining at 2.45'.
								End of logging: 2.88

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.88	23.8	0.19

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Core ID: 13B-0542-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/11/2013 2:00:00 PM
Date Completed: 10/14/2013 10:15:00 AM
River Mile: 11.01

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9 ft
Recovery Depth: 8.3 ft
Processed Length: 7.95 ft
Water Depth: 6.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723634.22
Easting (NJSPNAD83): 593407.75
River Bottom Elevation NGVD: -4.7 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0542-C2AS	0 - 0.5	0	0	0			SM	silty SAND, some to little clay, (10YR 2/1) black, medium dense to dense, wet to moist, moderate HC-like odor, HC-like staining
13B-0542-C2BS	0.5 - 1.5	0	0	0	1		ML	SILT, some fine sand little clay, (10YR 2/1) black, non plastic, medium stiff, wet, slight HC-like odor
							SP	fine to medium SAND, some silt, (10YR 2/1) black, medium dense, wet.
							SP-ML	fine SAND and SILT interbedded, (7.5YR 3/2) dark brown (10YR 2/1) black, medium dense, moist.
13B-0542-C2CS	1.5 - 2.5	0	0	0	2		SP	fine to medium SAND, little silt, (7.5YR 3/2) dark brown, medium dense, moist.
							ML	clayey SILT, (10YR 2/1) black, low plasticity, medium stiff, moist.
13B-0542-C2DS	2.5 - 3.5	0	0	0	3		SP	fine SAND, some to little silt, (10YR 3/1) very dark gray, medium dense to dense, moist, red sand clasts 3.16', trace organics 2.8'-2.95'.
13B-0542-C2ES	3.5 - 4.5	0	0	0	4		SM	silty SAND, trace organics and fine gravel, (10YR 3/1) very dark gray, very dense, moist.
13B-0542-C2FS	4.5 - 5.5	0	0	0.003	5			
13B-0542-C2GS	5.5 - 6.5	0	0	0	6		SP	fine to medium SAND, little coarse gravel, (2.5Y 4/1) dark gray, medium dense, moist.
							SM	fine SAND, some silt, (2.5Y 3/1) very dark gray, dense, moist.
							SP	fine to medium SAND, (2.5Y 4/1) dark gray, medium dense, moist.
13B-0542-C2HS	6.5 - 7.55	0	0	0	7		SM	very fine to fine SAND, some silt, (2.5Y 3/1) very dark gray, dense, moist.
							SM	fine silty SAND, (2.5Y 4/1) dark gray, dense, moist, wood at 7.05', color change at 6.96-7.16' (2.5Y 2.5/1).
							SP	fine to medium SAND, trace fine to coarse gravel, (2.5Y 4/1) dark gray, dense, moist.
							ML	SILT, little clay, (5YR 4/3) reddish brown, low plasticity, very stiff, wet to moist (Native).
								End of logging: 7.95

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.82	30.4	0.15
B-C	4.13	32.8	

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Core ID: 13B-0542-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/11/2013 2:55:00 PM
Date Completed: 10/14/2013 12:15:00 PM
River Mile: 11.01

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.9 ft
Recovery Depth: 7.6 ft
Processed Length: 0.5 ft
Water Depth: 6.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723638.85
Easting (NJSPNAD83): 593415.93
River Bottom Elevation NGVD: -4.8 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0542-C3AS	0 - 0.5	0	0	0			SM	fine silty SAND, some to little clay, trace fine to medium gravel, (10YR 2/1) black, medium dense, wet, moderate HC-like odor, HC-like staining.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.12	24.2	0.14

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Core ID: 13B-0544-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 2:00:00 PM
Date Completed: 10/17/2013 2:30:00 PM
River Mile: 11.23

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.2 ft
Recovery Depth: 4.6 ft
Processed Length: 4.33 ft
Water Depth: 10.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723857.6
Easting (NJSPNAD83): 594546.43
River Bottom Elevation NGVD: -10.6 ft
Weather: Overcast
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0544-C1AS	0 - 0.5	0	0	0			SM	fine to coarse silty SAND, some fine to coarse gravel, trace clay, (5YR 3/3) dark reddish brown, dense, saturated, slight HC-like odor, black muck at surface, glass fragments, twigs.
					1		ML	SILT, trace fine sand and clay, (10YR 2/2) very dark brown, medium dense, moist, slight HC-like odor.
					2		SM	fine silty SAND, (7.5YR 3/3) dark brown, dense, moist, slight HC-like odor, clay lense at 2.75-2.95'.
13B-0544-C1DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, (5YR 3/2) dark reddish brown (7.5YR 3/3) dark brown, dense, moist, alternating layers of fine sandy SILT.
13B-0544-C1ES	3.5 - 4.33	0	0	0	4			End of logging: 4.33

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.33	32.4	0.13

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Core ID: 13B-0544-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 2:42:00 PM
Date Completed: 10/17/2013 1:45:00 PM
River Mile: 11.23

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 4.3 ft
Recovery Depth: 4.2 ft
Processed Length: 3.97 ft
Water Depth: 10.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723858.33
Easting (NJSPNAD83): 594544.06
River Bottom Elevation NGVD: -10.6 ft
Weather: Overcast
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0544-C2AS	0 - 0.5	0	0	0			SM	fine to coarse silty SAND, some gravel, trace clay, (10YR 2/2) very dark brown, loose, saturated, slight HC-like odor, black muck at surface, twigs.
							ML	fine sandy SILT, (10YR 2/2) very dark brown, non plastic, soft, moist, slight HC-like odor, roots.
13B-0544-C2BS	0.5 - 1.5	0	0	0	1		SM	fine to coarse silty SAND, little clay, trace gravel, (10YR 4/3) brown, dense, moist, slight HC-like odor, pieces of glass.
							OL	clayey SILT, (10YR 2/2) very dark brown, medium stiff, moist, slight HC-like odor, twigs and roots.
13B-0544-C2CS	1.5 - 2.5	0	0	0	2			
13B-0544-C2DS	2.5 - 3	0	0	0	3		SM	fine silty SAND, (10YR 2/2) very dark brown, dense, moist, slight HC-like odor.
							OL	SILT, trace fine sand and clay, (10YR 2/2) very dark brown, low plasticity, soft, moist, slight HC-like odor.
13B-0544-C2ES	3 - 3.97	0	0	0			SM	fine to medium silty SAND, trace clay, (10YR 4/3) brown, dense, moist, slight HC-like odor, gap in core at 3.41', bottom 2" clay and gravel washout.
								End of logging: 3.97

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.97	28.4	0.17

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Core ID: 13B-0547-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/23/2013 6:25:00 PM
Date Completed: 9/24/2013 9:30:00 AM
River Mile: 11.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.35 ft
Processed Length: 8.81 ft
Water Depth: 10.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723827.84
Easting (NJSPNAD83): 595022.27
River Bottom Elevation NGVD: -11.5 ft
Weather: SUNNY 60F
Logged By: DL
QC By: HJ/TW

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0547-C2AS	0 - 0.5	3.0	0	0	0		OL	SILT, little fine sand and clay, (5Y 2.5/1) black, low plasticity, soft, wet to saturated, moderate HC-like odor.
13B-0547-C2BS	0.5 - 1.5	0	0	0	1		ML	fine sandy SILT, trace clay and organics, (10YR 2/2) very dark brown, low plasticity, soft to medium stiff, wet, slight HC-like odor, organics (sticks) with black staining and HC-like odor at 2.05'.
13B-0547-C2CS	1.5 - 2.05	0	0	0	2		SP	fine SAND, trace silt, (7.5YR 3/2) dark brown, medium dense, wet, silt content increases 2.9'-3.95', red silt inclusion at 3.45'.
13B-0547-C2DS	2.05 - 3.5	0	0	0	3		SP	medium to coarse SAND, (7.5YR 3/1) very dark gray, medium dense, moist, angular, well graded, gradational change from fine sand to medium to coarse sand.
13B-0547-C2ES	3.5 - 4.5	0	0	0	4		ML-SM	SILT and fine to medium SAND, trace organics, (7.5YR 2.5/1) black, low plasticity, medium dense, wet, interbedded.
13B-0547-C2FS	4.5 - 5.5	0	0	0	5		SP	fine to medium SAND, little silt, (5YR 3/3) medium dense, wet.
13B-0547-C2GS	5.5 - 6.5	0	0	0	6		OL	SILT, trace sand and clay, (5YR 3/3) dark reddish brown, low plasticity, soft.
							SP	fine to medium SAND, little silt, (5YR 3/3) dark reddish brown, wet, sand fines with depth becoming silty, minor black staining, mussel shell at 6.3'.
13B-0547-C2HS	6.5 - 7.15	0	0	0	7		SW	medium to coarse SAND, some fine to coarse gravel, (5YR 2.5/2) dark reddish brown, dense, moist, subrounded, well graded, red-brown clay inclusion.
					8		SP-ML	very fine SAND and SILT, (2.5YR 4/4) reddish brown, non plastic, dense, wet, homogenous, (Native).
								End of logging: 8.81

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.65	37.8	0.2
B-C	4.47	36	0.08

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Core ID: 13B-0547-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/24/2013 8:35:00 AM
Date Completed: 9/24/2013 2:45:00 PM
River Mile: 11.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.4 ft
Processed Length: 8.91 ft
Water Depth: 10.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723826.68
Easting (NJSPNAD83): 595016.67
River Bottom Elevation NGVD: -10.8 ft
Weather: SUNNY 60F
Logged By: DL
QC By: HJ/TW

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0547-C3AS	0 - 0.5	0	0	0			OL	SILT, trace fine sand and clay, (5Y 2.5/1) black, low plasticity, soft, saturated to wet, moderate HC-like odor, organic layer (leaves) at 1.3'-1.55'.
13B-0547-C3BS	0.5 - 1.5	0	0	0	1			
13B-0547-C3CS	1.5 - 2.5	0	0	0	2		ML	sandy SILT, (5Y 2.5/1) black, low plasticity, soft, wet.
							OL	SILT, (7.5YR 2.5/1) black, low plasticity, soft to medium soft, wet, slight HC-like odor, red-brown clay inclusion at 2.5'-2.65'.
13B-0547-C3DS	2.5 - 3	0	0	0				
13B-0547-C3ES	3 - 4.5	0	0	0	3		SP	fine SAND, little to some silt, trace medium sand, (5YR 3/2) dark reddish brown, dense, moist, silt content increases with depth, slag at 3.6', mussel shell & medium sand layer (2") at 4.4'.
					4			
13B-0547-C3FS	4.5 - 5.5	0	0	0	5		SP	fine to medium SAND, trace coarse sand and silt, (7.5YR 3/1) very dark gray, dense, moist, well graded.
							OL	SILT, (5Y 2.5/1) black, low plasticity, soft to medium soft, moist.
13B-0547-C3GS	5.5 - 6.35	0	0	0	6		SP-SW	fine to coarse SAND, trace fine to medium gravel, (7.5YR 3/1) very dark gray, dense, moist, well graded, red clay inclusion at 5.8', angled transition to native sand.
					7		SP-ML	very fine SAND and SILT, (2.5YR 4/4) reddish brown, non plastic, dense, wet to moist, homogenous, (Native).
					8			End of logging: 8.91

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.7	35.4	0.26
B-C	4.21	36.8	

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Core ID: 13B-0547-C5

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/25/2013 2:40:00 PM
Date Completed: 10/26/2013 10:33:00 AM
River Mile: 11.31

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.1 ft
Processed Length: 8.19 ft
Water Depth: 12.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723820.57
Easting (NJSPNAD83): 595010.55
River Bottom Elevation NGVD: -10.7 ft
Weather: Partly cloudy breezy cold
Logged By: EF/PK
QC By: hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0547-C5AAS	0 - 0.25	0	0	0			OL	SILT, (10YR 2/2) very dark brown, low plasticity, very soft, saturated, slight HC-like odor, leaf litter.
13B-0547-C5ABS	0.25 - 0.5	0	0	0				
13B-0547-C5ACS	0.5 - 0.75	0	0	0				
13B-0547-C5ADS	0.75 - 1	0	0	0			OL	SILT, (N 2.5/) black, low plasticity, very soft, saturated, slight HC-like odor.
13B-0547-C5AES	1 - 1.25	0	0	0	1			
13B-0547-C5AFS	1.25 - 1.5	0	0	0				
13B-0547-C5AGS	1.5 - 1.75	0	0	0.003				
13B-0547-C5AHS	1.75 - 2	0	0	0.004				
13B-0547-C5AIS	2 - 2.25	0	0	0.005	2		ML	sandy SILT, (10YR 2/2) very dark brown, soft, wet, slight HC-like odor.
13B-0547-C5AJS	2.25 - 2.5	0	0	0.007			OL	SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, color grades to reddish brown (5YR 4/2).
13B-0547-C5AKS	2.5 - 2.75	0	0	0				
13B-0547-C5ALS	2.75 - 3	0	0	0			ML	fine sandy SILT, (5YR 4/1) dark gray, medium soft, wet, slight HC-like odor.
13B-0547-C5AMS	3 - 3.25	0	0	0	3			
13B-0547-C5ANS	3.25 - 3.5	0	0	0				
13B-0547-C5AOS	3.5 - 3.75	0	0	0			SM	fine silty SAND, (5YR 2.5/2) dark reddish brown, dense, wet, slight HC-like odor, dense black clay nodules at 4.8 and 5.8', coarse fine sand layer 6.15-6.30', large rock at 7.2'.
13B-0547-C5APS	3.75 - 4	0	0	0				
13B-0547-C5AQS	4 - 4.25	0	0	0.003	4			
13B-0547-C5ARS	4.25 - 4.5	0	0	0				
13B-0547-C5ASS	4.5 - 4.75	0	0	0.004				
13B-0547-C5ATS	4.75 - 5	0	0	0.005				
13B-0547-C5AUS	5 - 5.25	0	0	0.005	5			
13B-0547-C5AVS	5.25 - 5.5	0	0	0				
13B-0547-C5AWS	5.5 - 5.75	0	0	0				
13B-0547-C5AXS	5.75 - 6	0	0	0				
13B-0547-C5AYS	6 - 6.25	0	0	0	6			
13B-0547-C5AZS	6.25 - 6.5	0	0	0				
13B-0547-C5BAS	6.5 - 6.75	0	0	0.007				
13B-0547-C5BBS	6.75 - 7	0	0	0.003				
13B-0547-C5BCS	7 - 7.25	0	0	0	7			
13B-0547-C5BDS	7.25 - 7.5	0	0	0			ML	sandy SILT, trace clay, (N 2.5/) black, medium stiff, moist.
13B-0547-C5BES	7.5 - 7.75	0	0	0			SP	fine SAND, trace silt, (5YR 3/2) dark reddish brown, dense, moist.
					8		ML	SILT, trace sand, (5YR 3/3) dark reddish brown, dense, moist (Native).
								End of logging: 8.19

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.0	28.8	0.25
B-C	4.19	36.2	

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Core ID: 13B-0548-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/18/2013 9:05:00 AM
Date Completed: 10/21/2013 9:00:00 AM
River Mile: 11.46

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.8 ft
Recovery Depth: 8.75 ft
Processed Length: 8.79 ft
Water Depth: 4.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 724350.21
Easting (NJSPNAD83): 595605.79
River Bottom Elevation NGVD: -0.8 ft
Weather: Clear, cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0548-C1AS	0 - 0.5	0	0	0.006			SM	fine silty SAND, trace clay, (10YR 2/2) very dark brown, medium dense, saturated, moderate HC-like odor, 1/2" black muck on top, leaf litter partings 0.5-0.9'.
13B-0548-C1BS	0.5 - 1.5	0	0	0	1			
13B-0548-C1CS	1.5 - 2.5	0	0	0	2		OL	SILT, trace sand, (10YR 2/2) very dark brown, low plasticity, soft, moist, moderate HC-like odor.
							ML	clayey SILT, trace fine sand, (10YR 2/2) very dark brown, low plasticity, firm, moist, slight HC-like odor, seams of alternating reddish brown silt 2.25-2.77' (5YR 2/2 & 5YR 3/3).
13B-0548-C1DS	2.5 - 3.5	0	0	0	3		OL	SILT, trace fine sand and clay, (10YR 2/2) very dark brown, low plasticity, soft, moist, moderate HC-like odor, fine sand lense seam 3.2-3.3'.
13B-0548-C1ES	3.5 - 4.5	0	0	0	4		SM	fine silty SAND, trace clay, (10YR 3/3) dark brown, medium dense, moist, moderate HC-like odor, twigs at 4.1 and 5.6', piece of wood at 4.4'.
13B-0548-C1FS	4.5 - 5.5	0	0	0	5			
13B-0548-C1GS	5.5 - 6.5	0	0	0	6		OL	SILT, little clay, (10YR 2/2) very dark brown, stiff, moist.
13B-0548-C1HS	6.5 - 7.5	0	0	0	7		SM	fine silty SAND, trace clay, (10YR 3/2) very dark grayish brown, dense, moist, several leaf litter partings 6.5-6.8', clay layer 7.0-7.1', twig at 7.5'.
13B-0548-C1IS	7.5 - 8.79	0	0	0	8		SP	fine SAND, trace silt, (10YR 4/2) dark grayish brown, dense, moist.
							SM	fine silty SAND, trace clay, (10YR 3/2) very dark grayish brown, dense, moist, 30 degree angular contact at top, leaf litter parting at contact.
							PT	PEAT, some clay and sand, (10YR 2/1) black.
								End of logging: 8.79

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.77	20.4	0.16
B-C	3.03	21.4	
C-D	2.99	19.4	

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Core ID: 13B-0548-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/18/2013 9:55:00 AM
Date Completed: 10/21/2013 12:30:00 PM
River Mile: 11.46

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.7 ft
Recovery Depth: 8.5 ft
Processed Length: 2.82 ft
Water Depth: 4.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 724355.06
Easting (NJSPNAD83): 595608.95
River Bottom Elevation NGVD: -0.7 ft
Weather: Clear, cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0548-C2AS	0 - 0.5	0	0	0			OL	silty CLAY, some fine sand, (10YR 2/2) very dark brown, low plasticity, soft, wet, moderate HC-like odor, root hairs, plastic pieces.
13B-0548-C2BS	0.5 - 1.5	0	0	0.004	1		SM	silty SAND, some clay, (10YR 2/2) very dark brown, dense, moist, moderate HC-like odor.
							ML	fine sandy SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, moist, moderate HC-like odor.
13B-0548-C2CS	1.5 - 2.5	0	0	0	2		ML	organic SILT, some fine sand, (5YR 3/1) very dark gray, dense, moist, moderate HC-like odor, some reddish brown mottling.
							ML	SILT, trace clay, (N 2.5/) black, medium plasticity, soft, wet, moderate HC-like odor.
								End of logging: 2.82

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.82	20.8	0.15

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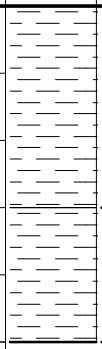
Core ID: 13B-0549-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 9:25:00 AM
Date Completed: 10/21/2013 3:30:00 PM
River Mile: 11.67

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.2 ft
Recovery Depth: 3.5 ft
Processed Length: 0.5 ft
Water Depth: 6.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 725180.57
Easting (NJSPNAD83): 596219.15
River Bottom Elevation NGVD: -3 ft
Weather: Partly Sunny
Logged By: EF/PK
QC By:

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0549-C2AS	0 - 0.5	0	0	0			OL	SILT, trace sand and clay, (10YR 2/1) black, low plasticity, soft, saturated, moderate HC-like odor, black muck on surface.
							OL	SILT, trace sand and clay, (7.5YR 4/2) brown, low plasticity, soft, saturated, moderate HC-like odor.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.00	23.6	0.25

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Core ID: 13B-0549-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 10:12:00 AM
Date Completed: 10/21/2013 2:30:00 PM
River Mile: 11.67

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.3 ft
Recovery Depth: 3.4 ft
Processed Length: 2.65 ft
Water Depth: 5.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 725178.66
Easting (NJSPNAD83): 596222.85
River Bottom Elevation NGVD: -3 ft
Weather: Partly Sunny
Logged By: EF/PK
QC By:

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0549-C3AS	0 - 0.5	0	0	0			ML	fine sandy SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, moderate HC-like odor.
13B-0549-C3BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist, moderate HC-like odor, pocket of well-graded coarse-fine sand 0.5-0.8'.
							ML	SILT, little clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
							ML	SILT, trace clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
							ML	SILT, trace clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
13B-0549-C3CS	1.5 - 2.65	0	0	0	2		SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
							ML	SILT, trace clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
							ML	SILT, trace clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
							ML	SILT, trace clay, (10YR 2/1) black, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, trace clay, (5YR 3/1) very dark gray, dense, moist.
								End of logging: 2.65

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.65	21.6	0.18

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Core ID: 13B-0550-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 12:37:00 PM
Date Completed: 9/27/2013 3:30:00 PM
River Mile: 11.71

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.1 ft
Recovery Depth: 4.7 ft
Processed Length: 4.55 ft
Water Depth: 5.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 725257.85
Easting (NJSPNAD83): 596543.2
River Bottom Elevation NGVD: -1.8 ft
Weather: mstly cloudy and mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0550-C1AS	0 - 0.5	0	0	0			SM	SILT, (2.5Y 2.5/1) black, non plastic, soft to firm, wet to saturated, grades to fine sandy SILT.
					1		SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, wet, thin silty clay lenses with black staining at 0.9'-1.2', coarse sand layer with fine medium gravel (SW) at 1.25'-1.4'.
					2		SM	very fine silty SAND, (10YR 3/2) very dark grayish brown, dense, wet to moist, homogenous.
							ML	very fine SAND and SILT, (10YR 3/1) very dark gray, non plastic, firm, moist, clayey at bottom 1".
					3		ML	SILT, some clay and fine sand, (10YR 3/2) very dark grayish brown, low plasticity, stiff, moist, sand content decreases with depth, fine organics (roots) throughout.
					4			
							SP	fine SAND, (10YR 3/2) very dark grayish brown, dense, moist, with large piece of wood.
								End of logging: 4.55

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.85	22.2	0.17
B-C	1.7	10.4	0

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Core ID: 13B-0550-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/26/2013 1:59:00 PM
Date Completed: 9/27/2013 2:05:00 PM
River Mile: 11.71

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.7 ft
Recovery Depth: 5.5 ft
Processed Length: 5.37 ft
Water Depth: 5.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 725249.52
Easting (NJSPNAD83): 596548.53
River Bottom Elevation NGVD: -1.3 ft
Weather: partly sunny, warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0550-C3AS	0 - 0.5	0	0	0			SM	fine to medium silty SAND, trace clay some organics, (2.5Y 2.5/1) black, loose to medium dense, wet to saturated, slight HC-like odor in organics.
13B-0550-C3BS	0.5 - 1.5	0	0	0	1		SP	fine SAND, little medium sand, (2.5Y 2.5/1) black, medium dense, wet to moist, thin red silt lense at 0.9' (native), shell & slag fragments at 1.1'.
							SW	medium to coarse SAND, trace fine gravel, (2.5Y 2.5/1) black, medium dense, wet to moist, well graded.
13B-0550-C3CS	1.5 - 2.5	0	0	0	2		ML	SILT, some fine sand, little clay, (2.5Y 2.5/1) black, low plasticity, medium stiff, moist, trace organics.
							SM	very fine silty SAND, (5Y 2.5/1) black, medium dense, moist.
13B-0550-C3DS	2.5 - 3.5	0	0	0	3		ML	SILT, some sand, little clay, (5Y 2.5/1) black, non plastic, medium stiff, moist.
							ML	SILT, some clay, little fine sand, (5Y 2.5/1) black, medium plasticity, stiff, moist, few organics.
13B-0550-C3ES	3.5 - 4.5	0	0	0	4		SP	fine SAND, (5Y 2.5/1) black, medium dense, wet, fine to coarse sand layers (1/2") with red nodules at 4.25' and 4.8', few thin organic lenses (reeds), gap from core shoe at 5.1' to end of liner.
13B-0550-C3FS	4.5 - 5.37	0	0	0	5			
								End of logging: 5.37

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.1	24.0	0.12
B-C	2.27	14.4	0

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Core ID: 13B-0551-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/24/2013 3:02:00 PM
Date Completed: 9/24/2013 6:15:00 PM
River Mile: 11.77

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 1.8 ft
Recovery Depth: 1.55 ft
Processed Length: 0.88 ft
Water Depth: 5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 725599.28
Easting (NJSPNAD83): 596621.15
River Bottom Elevation NGVD: -2.7 ft
Weather: Sunny
Logged By: TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0551-C2AS	0 - 0.5	4	0	0			SW	fine to coarse silty SAND, some organics (sticks), little silt and medium to coarse gravel, (2.5YR 2.5/1) reddish black, loose to medium dense, wet to saturated, subrounded, well graded, organics decrease with depth, red sand nodule at bottom.
13B-0551-C2BS	0.5 - 0.88	0	0	0				
								End of logging: 0.88

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	0.88	8.4	0.22

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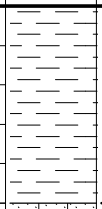
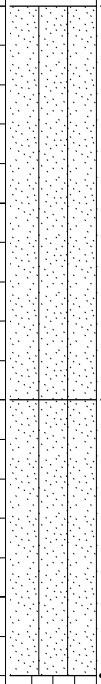
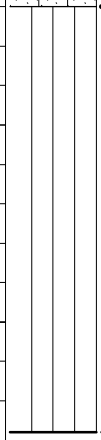
Core ID: 13B-0552-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 1:30:00 PM
Date Completed: 10/18/2013 9:30:00 AM
River Mile: 12.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.8 ft
Recovery Depth: 6.1 ft
Processed Length: 3.28 ft
Water Depth: 13.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 727586.16
Easting (NJSPNAD83): 596920.86
River Bottom Elevation NGVD: -13.6 ft
Weather: Sunny
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0552-C1AS	0 - 0.5	0	0	0			OL	SILT, some fine sand, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, saturated, slight HC-like odor, black muck on top.
13B-0552-C1BS	0.5 - 1.5	0	0	0	1		SM	fine to medium silty SAND, trace gravel, (5YR 3/1) very dark gray, dense, moist, piece of plastic at 1.0', large piece of lumber at 1.1-1.2', color transition at 1.5'.
13B-0552-C1CS	1.5 - 2.2	0	0	0	2		SM	fine to medium silty SAND, some gravel, (5YR 4/2) dark reddish gray, dense, moist.
					3		ML	clayey SILT, (5YR 5/4) reddish brown, low plasticity, firm, moist, irregular contact, large gravel at contact, some mottling. (Native)
								End of logging: 3.28

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.28	29.2	0.28

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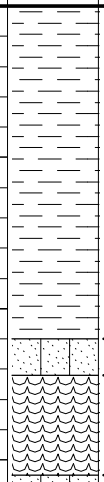
Core ID: 13B-0552-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 2:08:00 PM
Date Completed: 10/18/2013 10:10:00 AM
River Mile: 12.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6 ft
Recovery Depth: 6.5 ft
Processed Length: 4.27 ft
Water Depth: 12.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 727587.85
Easting (NJSPNAD83): 596919.31
River Bottom Elevation NGVD: -13.2 ft
Weather: Sunny
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0552-C2AS	0 - 0.5	0	0	0	0		OL	SILT, trace sand and clay, (10YR 2/2) very dark brown, low plasticity, loose, saturated, slight HC-like odor, fine sand seam at 0.6'.
					1		SM	fine silty SAND, (5YR 2.5/2) dark reddish brown, medium dense, moist, slight HC-like odor, angular contact top and bottom.
							OH	clayey SILT, (N 2.5/) black, high plasticity, soft, moist, slight HC-like odor.
13B-0552-C2CS	1.5 - 2.5	0	0	0	2		SM	fine silty SAND, trace gravel, (5YR 4/2) dark reddish gray, dense, moist, slight HC-like odor, large piece of gravel at 2.2'.
					3		ML	clayey SILT, (5YR 5/4) reddish brown, moist, sand parting at 2.9'. (Native)
					4			End of logging: 4.27

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.27	35.6	0.24

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Core ID: 13B-0552-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 3:00:00 PM
Date Completed: 10/18/2013 8:15:00 AM
River Mile: 12.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 4.9 ft
Recovery Depth: 4.6 ft
Processed Length: 4.18 ft
Water Depth: 11.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 727590.64
Easting (NJSPNAD83): 596917.09
River Bottom Elevation NGVD: -12.3 ft
Weather: Sunny
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0552-C3AS	0 - 0.5	0	0	0			OL	SILT, trace sand and clay, (10YR 2/2) very dark brown, low plasticity, soft, saturated, slight HC-like odor, black muck on top.
13B-0552-C3BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, (5YR 3/2) dark reddish brown, dense, moist, slight HC-like odor.
13B-0552-C3CS	1.5 - 2.38	0	0	0	2		OH	clayey SILT, (10YR 2/2) very dark brown, high plasticity, loose, moist, slight HC-like odor.
					3		ML	clayey SILT, (5YR 5/4) reddish brown, low plasticity, dense, moist (Native).
					4			End of logging: 4.18

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.18	32.2	0.13

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Core ID: 13B-0553-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 8:41:00 AM
Date Completed: 10/16/2013 4:50:00 PM
River Mile: 12.32

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.3 ft
Recovery Depth: 2.9 ft
Processed Length: 0.5 ft
Water Depth: 6.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 728437.54
Easting (NJSPNAD83): 596870.45
River Bottom Elevation NGVD: -5 ft
Weather: overcast and cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0553-C1AS	0 - 0.5	0	0	0			SM	fine silty SAND, some coarse sand and fine gravel, (10YR 2/1) black, loose, wet, slight HC-like odor, some twigs and roots.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.65	20.0	0.14

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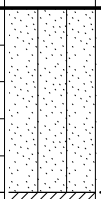
Core ID: 13B-0553-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/16/2013 9:17:00 AM
Date Completed: 10/16/2013 4:00:00 PM
River Mile: 12.32

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.9 ft
Recovery Depth: 3.4 ft
Processed Length: 3.1 ft
Water Depth: 5.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 728432.77
Easting (NJSPNAD83): 596869.49
River Bottom Elevation NGVD: -4.5 ft
Weather: overcast and cool
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0553-C2AS	0 - 0.5	0	0	0			SM	fine silty SAND, some clay, trace gravel, (10YR 2/1) black, loose, wet, moderate HC-like odor, piece of clay pipe.
13B-0553-C2BS	0.5 - 1.5	0	0	0	1		CL	sandy SILT, trace clay, (7.5YR 3/1) very dark gray, low plasticity, soft, moist, moderate HC-like odor.
							OL	SILT with organics, little clay, (7.5YR 3/1) very dark gray, medium plasticity, soft, moist, slight HC-like odor.
							SM	fine silty SAND, (7.5YR 3/3) dark brown, medium dense, moist, moderate HC-like odor.
							OH	silty CLAY with organics, (7.5YR 4/3) brown (10YR 2/1) black, high plasticity, medium stiff, moist, moderate HC-like odor, alternating layers of red-brown and dark brown clay.
13B-0553-C2CS	1.5 - 2.5	0	0	0	2			
13B-0553-C2DS	2.5 - 3.5	0	0	0	3			End of logging: 3.1

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.10	22.8	0.16

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Core ID: 13B-0554-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 9:45:00 AM
Date Completed: 10/15/2013 10:45:00 AM
River Mile: 12.33

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9 ft
Processed Length: 8.03 ft
Water Depth: 3.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 728538.47
Easting (NJSPNAD83): 597076.25
River Bottom Elevation NGVD: -3.8 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0554-C1AS	0 - 0.5	0	0	0			SM	fine silty SAND, trace clay, (10YR 2/1) black, medium dense, saturated to wet, silt with organics (leaves, sticks) at surface.
13B-0554-C1BS	0.5 - 1.5	0	0	0	1		OL	clayey SILT, some fine sand, (10YR 2/1) black, low plasticity, soft to medium stiff, wet to moist, slight staining and HC-like odor 1.78-2.08'.
13B-0554-C1CS	1.5 - 2.5	0	0	0	2		SP	fine to medium SAND, trace silt, (10YR 2/1) black, medium dense, wet.
							OL	clayey SILT, some to little fine sand, (10YR 2/1) black, low plasticity, soft to medium stiff, wet to moist, slight staining and HC-like odor.
13B-0554-C1DS	2.5 - 3.5	0	0	0	3		SW-GW	fine to medium SAND with medium to coarse GRAVEL, little to some coarse sand and fine gravel, (7.5YR 3/2) dark brown, dense to very dense, moist, wedge of silty fine sand 3.2'-3.5'.
13B-0554-C1ES	3.5 - 4.7	0	0	0	4		SM	fine silty SAND, (5YR 4/2) dark reddish gray, dense, moist, layer of native silt (red-brown) at 3.57-3.8' (transition).
							SM	fine to medium silty SAND, little coarse sand and gravel, (5YR 4/2) dark reddish gray, dense, wet to moist, interbedded native silt lenses (transition to native).
					5		ML	SILT, little to some clay, (5YR 4/4) reddish brown, low plasticity, very stiff, moist (Native).
					6			
					7		SP	fine SAND, trace silt, (5YR 4/4) reddish brown, medium dense, moist, homogenous (Native).
					8			End of logging: 8.03

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.28	33.8	0.19
B-C	3.75	33.0	

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Core ID: 13B-0554-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/14/2013 12:55:00 PM
Date Completed: 10/15/2013 12:15:00 PM
River Mile: 12.33

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 18 ft
Recovery Depth: 14.7 ft
Processed Length: 0.5 ft
Water Depth: 5.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 728529.15
Easting (NJSPNAD83): 597066.41
River Bottom Elevation NGVD: -6.2 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0554-C4AS	0 - 0.5	0	0	0			SM	fine silty SAND, some clay, (10YR 2/1) black, medium dense, saturated to wet, layer of soft silt and trace organics at top.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.20	30.6	0.14

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Core ID: 13B-0555-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/3/2013 2:34:00 PM
Date Completed: 10/4/2013 8:30:00 AM
River Mile: 12.45

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.7 ft
Processed Length: 3.2 ft
Water Depth: 11.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 729041.86
Easting (NJSPNAD83): 596643.16
River Bottom Elevation NGVD: -13.5 ft
Weather: SUNNY
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0555-C1AS	0 - 0.5	0	0	0			OL	SILT, some clay, trace fine sand, (10YR 2/1) black, low plasticity, soft to medium soft, saturated, strong HC-like odor.
13B-0555-C1BS	0.5 - 1.22	0	0	0			SM	fine silty SAND, (10YR 2/1) black, medium dense, wet, strong HC-like odor.
					1		OL	clayey SILT, (10YR 3/1) very dark gray, medium plasticity, medium stiff, moist, slight HC-like odor.
							SP	fine SAND, trace medium to coarse sand and fine to medium gravel, (5YR 3/3) dark reddish brown, medium dense to dense, moist (Native).
					2		ML	SILT and very fine SAND, (5YR 3/3) dark reddish brown, non plastic, very stiff, moist (Native).
					3		SP-ML	fine SAND, trace medium to coarse sand, (5YR 3/3) dark reddish brown, medium dense, moist, silt layers. (Native)
								End of logging: 3.2

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B		27.4	0.24

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Core ID: 13B-0555-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/3/2013 3:08:00 PM
Date Completed: 10/4/2013 9:15:00 AM
River Mile: 12.45

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6 ft
Recovery Depth: 5.5 ft
Processed Length: 4.28 ft
Water Depth: 10.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 729038.42
Easting (NJSPNAD83): 596639.08
River Bottom Elevation NGVD: -12 ft
Weather: SUNNY
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0555-C2AS	0 - 0.5	0	0	0			OL	clayey SILT, trace fine sand and fine gravel, (10YR 2/1) black, low plasticity, soft to medium soft, saturated, moderate HC-like odor, thin organic layers at 1.2', 1.45' and 1.6', black staining and odor to 2.53'.
13B-0555-C2BS	0.5 - 1.5	0	0	0	1			
13B-0555-C2CS	1.5 - 2	1	0	0				
13B-0555-C2DS	2 - 3	0	0	0	2			
							SM	fine silty SAND, (10YR 2/1) black, medium dense, wet, moderate HC-like odor.
							OL	clayey SILT, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist, slight HC-like odor.
					3		ML	very fine to fine SAND, (5YR 3/3) dark reddish brown, dense to very dense, moist, large gravel at contact. (Native)
					4			
								End of logging: 4.28

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.28	30.0	0.18

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Core ID: 13B-0556-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/7/2013 8:42:00 AM
Date Completed: 10/8/2013 9:30:00 AM
River Mile: 12.69

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.05 ft
Processed Length: 4.22 ft
Water Depth: 7.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 730324.43
Easting (NJSPNAD83): 596294.89
River Bottom Elevation NGVD: -3.8 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0556-C1AS	0 - 0.5	0	0	0			OL	SILT with organics, some fine sand, (10YR 2/1) black, non plastic, very soft to soft, saturated.
							SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, wet.
13B-0556-C1BS	0.5 - 1.5	0	0	0	1		OL	fine sandy SILT, little to trace clay, (10YR 2/1) black, low plasticity, soft to medium stiff, wet to moist.
							SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, wet to moist.
13B-0556-C1CS	1.5 - 2.5	0	0	0	2		OL	fine sandy SILT, trace clay, (10YR 2/1) black, non plastic, medium dense, moist, red brown (5YR 3/1) at 2.3'.
							ML	SILT, little clay, (5YR 4/3) reddish brown, stiff, moist, black staining.
							SM	fine silty SAND, (5YR 4/3) reddish brown, medium dense, moist, moderate HC-like odor, black staining.
					3		ML	SILT, little clay, (5YR 4/3) reddish brown, stiff, moist, slight HC-like odor, black staining.
							SP	very fine to fine SAND, little to trace silt, (5YR 4/3) reddish brown, medium dense, moist (Native).
					4		SP	fine to medium SAND, little to trace coarse sand, (5YR 4/3) reddish brown, dense, moist (Native).
								End of logging: 4.22

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.22	34.8	0.23

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Core ID: 13B-0556-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/7/2013 9:12:00 AM
Date Completed: 10/8/2013 8:35:00 AM
River Mile: 12.69

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.2 ft
Processed Length: 4.38 ft
Water Depth: 8.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 730322.9
Easting (NJSPNAD83): 596297.07
River Bottom Elevation NGVD: -3.8 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0556-C2AS	0 - 0.5	0	0	0			OM-OL	SILT with organics, some fine to medium sand, (10YR 2/1) black, non plastic, very soft to soft, saturated.
13B-0556-C2BS	0.5 - 1.5	0	0	0	1		OL	sandy SILT, little to some clay, (10YR 2/1) black, low plasticity, soft to medium soft, wet, minor black staining, native color between 1.2'-1.35' (5YR 3/1).
13B-0556-C2CS	1.5 - 2.38	0	0	0	2		SM	fine silty SAND, trace clay, (10YR 2/1) black, medium dense, wet to moist.
					3		SP	very fine to fine SAND, little silt, (5YR 3/3) dark reddish brown, dense, moist, trace coarse gravel 2.38'-2.6' (Native).
					4		SP	fine to medium SAND, little to trace coarse sand, (5YR 3/3) dark reddish brown, dense, moist (Native).
							SP	very fine to fine SAND, little silt, (5YR 3/3) dark reddish brown, dense, moist (Native).
								End of logging: 4.38

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.35	34.8	0.14

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Core ID: 13B-0556-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/7/2013 9:45:00 AM
Date Completed: 10/8/2013 10:40:00 AM
River Mile: 12.69

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.3 ft
Processed Length: 0.5 ft
Water Depth: 8.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 730320.53
Easting (NJSPNAD83): 596299.4
River Bottom Elevation NGVD: -3.6 ft
Weather: Overcast, Windy
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0556-C3AS	0 - 0.5	0	0	0			OM-OL	SILT and ORGANICS, (10YR 2/1) black, non plastic, very soft to soft, saturated, little to some fine sand.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.20	34.6	0.24

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Core ID: 13B-0557-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 1:58:00 PM
Date Completed: 10/3/2013 3:45:00 PM
River Mile: 12.85

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.7 ft
Recovery Depth: 3.65 ft
Processed Length: 0.5 ft
Water Depth: 11.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 731127.81
Easting (NJSPNAD83): 596089.53
River Bottom Elevation NGVD: -12.2 ft
Weather: Sunny , Hot
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0557-C1AS	0 - 0.5	0	0	0			SM	fine sandy SILT, little to trace clay, trace organics, (10YR 3/1) very dark gray, non plastic, wet to saturated.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.02	21.2	0.15

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Core ID: 13B-0557-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 2:44:00 PM
Date Completed: 10/2/2013 2:05:00 PM
River Mile: 12.85

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 9.9 ft
Processed Length: 4.77 ft
Water Depth: 9.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 731126.73
Easting (NJSPNAD83): 596085.55
River Bottom Elevation NGVD: -10.6 ft
Weather: Sunny,Hot
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0557-C2AS	0 - 0.5	0	0	0			OL	SILT, some clay and organics, little fine sand, (10YR 3/1) very dark gray, low plasticity, soft, saturated to wet, becomes firm and clayey with depth, silt and organics decrease at ~0.9', dense organic layers (1/4") at 1.95'.
13B-0557-C2BS	0.5 - 1.5	0	0	0	1			
13B-0557-C2CS	1.5 - 2.5	0	0	0	2			
							SM	fine silty SAND, trace organics, (10YR 3/1) very dark gray, medium dense, moist to wet.
							OL	clayey SILT, (10YR 3/1) very dark gray, low plasticity, soft to medium stiff, moist.
							SM	fine silty SAND, (10YR 3/1) very dark gray, medium dense, moist, layer of organics (1/2") at 2.82'.
13B-0557-C2DS	2.5 - 3.5	0	0	0	3		OL	clayey SILT, some to little fine sand, (10YR 2/1) black, low plasticity, medium stiff, moist, slight HC-like odor, minor black staining.
13B-0557-C2ES	3.5 - 4.5	0	0	0	4			
							SM	fine silty SAND, (10YR 2/1) black, medium dense, moist, black staining and slight HC-like odor 4.0'-4.2', few silt layers.
							SP	fine SAND, some to little fine to coarse gravel, (2.5YR 4/4) reddish brown, dense, moist, homogenous, subrounded red gravel (Native).
								End of logging: 4.77

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.77	31.8	0.11

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Core ID: 13B-0558-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/3/2013 12:04:00 PM
Date Completed: 10/4/2013 10:45:00 AM
River Mile: 12.94

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 7.8 ft
Processed Length: 7.35 ft
Water Depth: 12.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 731556.98
Easting (NJSPNAD83): 596310.71
River Bottom Elevation NGVD: -12.7 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0558-C2AS	0 - 0.5	0	0	0			OM-OL	SILT and ORGANICS, (10YR 2/1) black, non plastic, very soft to soft, saturated, (leaves).
							SM	fine silty SAND, (10YR 2/1) black, loose to medium dense, wet to saturated.
13B-0558-C2BS	0.5 - 1.5	0	0	0	1		OL	SILT, trace organics, little fine sand, (10YR 2/1) black, non plastic, very soft to soft, saturated.
							SP	fine SAND, little silt, (7.5YR 3/2) dark brown, medium dense, wet, few cobbles at 1.2' and 1.4'.
13B-0558-C2CS	1.5 - 2.5	0	0	0	2		CL	CLAY, little silt, (7.5YR 3/2) dark brown, low plasticity, medium soft to firm, wet, few sand lenses at 1.95-2.05' and 2.2-2.3'.
							SM	fine silty SAND, (7.5YR 3/2) dark brown, dense, moist.
13B-0558-C2DS	2.5 - 3.5	0	0	0	3		SW	fine to coarse SAND, (10YR 3/3) dark brown, dense, moist, well graded.
							SM	fine silty SAND, (10YR 3/3) dark brown, dense, moist, piece of wood at 3.35', fine-coarse sand at bottom 0.1' (as above).
13B-0558-C2ES	3.5 - 4.5	0	0	0	4		SW	fine to coarse SAND, little fine gravel, (10YR 3/3) dark brown, medium dense, moist, well graded, light brown very fine sand inclusion 3.77-3.92', med to coarse gravel zone 5.2-5.75', cobbles at 5.3 & 5.6'.
13B-0558-C2FS	4.5 - 5.75	0	0	0	5			
					6		SP	very fine to fine SAND, little to trace silt, (5YR 4/4) reddish brown, dense, moist, large red gravel/cobble at contact (5.75') and 7.15'-7.3'. (Native)
					7			End of logging: 7.35

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.68	30.2	0.25

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Core ID: 13B-0558-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/3/2013 12:50:00 PM
Date Completed: 10/4/2013 1:30:00 PM
River Mile: 12.94

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.5 ft
Recovery Depth: 5.8 ft
Processed Length: 3.12 ft
Water Depth: 12 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 731559.23
Easting (NJSPNAD83): 596311.15
River Bottom Elevation NGVD: -12.8 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0558-C3AS	0 - 0.5	0	0	0			OM-OL	SILT and ORGANICS, (10YR 2/1) black, non plastic, very soft to soft, saturated.
13B-0558-C3BS	0.5 - 1.5	0	0	0	1		SM	fine SAND, some to little silt, (10YR 2/1) black, medium dense, wet, color change at 1.2' (5YR 3/2), soft silt layers 0.75-0.9' and 1.3-1.56 along liner (vertical).
					2		OL	SILT, some clay, trace fine sand, (10YR 2/1) black, low plasticity, soft to medium stiff, wet to moist, red-brown silt at 2.25'-2.28', minor staining and HC-like odor to 2.1'.
					3		SW	fine to coarse SAND, little silt, (7.5YR 3/2) dark brown, medium dense, moist, well graded, coarsens downward, color change at bottom (10YR 3/3).
								End of logging: 3.12

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
AB	3.12	26.4	0.39

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Core ID: 13B-0559-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 12:00:00 PM
Date Completed: 10/1/2013 10:50:00 AM
River Mile: 13.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 9 ft
Processed Length: 8.4 ft
Water Depth: 11.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 732535.5
Easting (NJSPNAD83): 596739.79
River Bottom Elevation NGVD: -12.1 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0559-C2AS	0 - 0.5	0	0	0.007			SP	fine SAND, (10YR 2/1) black, medium dense, wet to moist, thin silt layer on surface.
13B-0559-C2BS	0.5 - 1.5	0	0	0	1		OL	SILT, some fine sand, little clay, (10YR 2/1) black, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, wet, slight HC-like odor, sand content diminishes at 1.85', becomes clayey, dark staining and HC-like odor 2.3-2.7'.
13B-0559-C2CS	1.5 - 2.5	0	0	0	2			
					3		SM	fine silty SAND, (10YR 2/1) black, medium dense, moist.
							OL	SILT, little clay, (10YR 2/1) black, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, wet, slight HC-like odor.
					4		SM	fine silty SAND, (10YR 2/1) black, medium dense, moist, organic layer at 4.2'.
							OL	
							ML	SILT, little clay, (10YR 2/1) black, (2.5Y 2.5/1) black, low plasticity, soft to medium stiff, wet, slight HC-like odor. clayey SILT, (2.5YR 2.5/1) reddish black, medium plasticity, medium stiff, moist, slight HC-like odor.
					5		ML	sandy SILT, trace clay, (2.5YR 2.5/1) reddish black, non plastic, soft to medium stiff, wet.
13B-0559-C2GS	5.5 - 6.46	0	0	0	6		SM	fine silty SAND, (2.5YR 2.5/1) reddish black, medium dense, wet, fine to coarse sand lense at 5.95-6.08', red-brown silt inclusions at transition to native at 6.25-6.46, black staining with slight HC-like odor 6.1-6.35'.
					7		ML	SILT, some to little clay, (5YR 4/2) dark reddish gray, non plastic, very stiff, moist to dry (Native).
					8		SM	fine SAND, (5YR 4/2) dark reddish gray, very dense, moist, interbedded silt, angular contact. (Native)
							SW	fine to coarse SAND and fine to medium GRAVEL, little silt, (5YR 4/2) dark reddish gray, loose to medium dense, wet (Native).

End of logging: 8.4

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.24	28.8	0.11

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Core ID: 13B-0559-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 1:08:00 PM
Date Completed: 10/1/2013 9:00:00 AM
River Mile: 13.15

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.5 ft
Recovery Depth: 6.5 ft
Processed Length: 6.16 ft
Water Depth: 11.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 732534.37
Easting (NJSPNAD83): 596742.68
River Bottom Elevation NGVD: -11.8 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0559-C3AS	0 - 0.5	0	0	0.008			SM	fine silty SAND, (7.5YR 2.5/1) black, medium dense, wet, thin silt and organics at top 0.1'.
13B-0559-C3BS	0.5 - 1.5	0	0	0.005	1		OL	clayey SILT, some fine sand, (10YR 3/2) very dark grayish brown, low plasticity, soft to medium soft, wet to moist, sand decreases with depth.
13B-0559-C3CS	1.5 - 2.5	0	0	0	2		SM	fine silty SAND, (7.5YR 2.5/1) black, medium dense, moist.
							OL	clayey SILT, (10YR 3/2) very dark grayish brown, low plasticity, medium stiff, moist, slight HC-like odor and staining at 1.95-2.62'.
13B-0559-C3DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, trace organics, (7.5YR 2.5/1) black, medium dense, moist.
							OL	clayey SILT, (10YR 3/2) very dark grayish brown, medium plasticity, medium stiff, moist, slight HC-like odor.
							SM	fine silty SAND, trace organics, (7.5YR 2.5/1) black, medium dense, moist.
13B-0559-C3ES	3.5 - 4.5	0	0	0	4		OL	clayey SILT, (10YR 3/2) very dark grayish brown, medium plasticity, medium stiff, moist.
							SM	fine silty SAND, trace organics, (7.5YR 2.5/1) black, medium dense, moist.
							CL	silty CLAY, (10YR 2/1) black, low plasticity, medium stiff, moist.
13B-0559-C3FS	4.5 - 5.5	0	0	0	5		SM	fine silty SAND, trace organics, (7.5YR 2.5/1) black, medium dense, moist.
							CL	silty CLAY, (10YR 2/1) black, low plasticity, medium stiff, moist.
13B-0559-C3GS	5.5 - 6	0	0	0.007			SM	fine silty SAND, (7.5YR 2.5/1) black, medium dense, moist, thin organic layer at contact with native material.
					6		ML	SILT, little clay, (5YR 4/2) dark reddish gray, low plasticity, very stiff, moist to dry (Native).
								End of logging: 6.16

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.81	19.2	0.13

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Core ID: 13B-0560-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/27/2013 12:35:00 PM
Date Completed: 9/30/2013 8:50:00 AM
River Mile: 13.47

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.4 ft
Recovery Depth: 6.2 ft
Processed Length: 5.86 ft
Water Depth: 14.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 734181.75
Easting (NJSPNAD83): 597076.47
River Bottom Elevation NGVD: -11.5 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0560-C1AS	0 - 0.5	0	0	0			SP	fine to medium SAND, trace coarse sand, (5YR 2.5/1) black, medium dense, wet, trace organics in thin silt layer at surface, wood and debris at 0.7'.
13B-0560-C1BS	0.5 - 1.5	0	0	0	1		OL	SILT, little clay, (10YR 2/1) black, medium plasticity, soft to medium soft, wet.
							SM	fine to medium silty SAND, trace coarse sand, (10YR 2/1) black, dense, wet to moist, organic layers at 1.4'.
13B-0560-C1CS	1.5 - 2.5	0	0	0.013	2		ML	clayey SILT, little fine sand, (10YR 2/1) black, low plasticity, medium stiff, wet, thick organic layer 1.9'-2.1'.
13B-0560-C1DS	2.5 - 3.5	0	0	0	3		SP	fine SAND, little medium to coarse sand, (10YR 2/1) black, dense, moist, trace organics (sticks).
							ML	clayey SILT, trace fine sand, (10YR 2/1) black, stiff, moist.
							SP	fine SAND, (10YR 2/1) black, medium dense, moist.
13B-0560-C1ES	3.5 - 4.5	0	0	0	4		CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, stiff, moist.
							ML	sandy SILT, trace clay and organics, (10YR 2/1) black, non plastic, medium stiff, moist.
							CL	silty CLAY, (10YR 3/1) very dark gray, medium plasticity, stiff, moist.
13B-0560-C1FS	4.5 - 5.14	0	0	0	5		ML	sandy SILT, with organics, (10YR 2/1) black, medium dense, wet, (sticks, leaves).
13B-0560-C1GS	5.14 - 5.86	0	0	0			ML	SILT, trace clay, (7.5YR 4/1) dark gray, non plastic, very stiff, moist to dry.
								End of logging: 5.86

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.84	20.2	0.12

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Core ID: 13B-0560-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/27/2013 2:00:00 PM
Date Completed: 9/30/2013 10:30:00 AM
River Mile: 13.47

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.5 ft
Recovery Depth: 6.8 ft
Processed Length: 6.55 ft
Water Depth: 15.3 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 734177.33
Easting (NJSPNAD83): 597079.84
River Bottom Elevation NGVD: -11.8 ft
Weather: Overcast
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0560-C3AS	0 - 0.5	0	0	0.005			SP	fine to medium SAND, (10YR 3/2) very dark grayish brown, dense, wet, thin silt layer on top, dense, trace fine shell and coal fragments.
13B-0560-C3BS	0.5 - 1.5	0	0	0	1		OL	SILT, little clay and fine sand, (10YR 3/1) very dark gray, non plastic, medium soft, wet, organics.
							SP	fine silty SAND, some organics, (10YR 3/1) very dark gray, medium dense, wet.
							OL	SILT, some clay and fine sand, (10YR 3/2) very dark grayish brown, low plasticity, medium stiff, moist.
13B-0560-C3CS	1.5 - 2.5	0	0	0.004	2		SM	fine silty SAND, (10YR 3/2) very dark grayish brown, medium dense, moist to wet, coarse sand and organic layer at 1.75' and 1.95', thick organic layer 2.17'-2.47'.
13B-0560-C3DS	2.5 - 3.5	0	0	0	3		ML	clayey SILT, little to trace fine sand, (10YR 2/1) black, low plasticity, medium stiff, moist.
							SP	fine SAND, (10YR 3/2) very dark grayish brown, medium dense, moist.
							ML	very fine sandy SILT, (7.5YR 3/1) very dark gray, low plasticity, medium stiff to stiff, moist.
13B-0560-C3ES	3.5 - 4.5	0	0	0	4		CL	silty CLAY, little fine sand, (10YR 3/1) very dark gray, low plasticity, medium stiff, moist to wet, inclusions of very stiff light gray silt from interval below.
13B-0560-C3FS	4.5 - 4.9	0	0	0				
13B-0560-C3GS	4.9 - 6.5	0	0	0	5 6		ML	SILT, little clay, (7.5YR 4/1) dark gray, very stiff, moist to dry, red-brown fine to medium sand lenses (native) at 5.1', 5.45' and 6.2'.
								End of logging: 6.55

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.31	22.6	0.11

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Core ID: 13B-0561-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 8:40:00 AM
Date Completed: 10/1/2013 3:05:00 PM
River Mile: 13.73

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 7.7 ft
Processed Length: 7.09 ft
Water Depth: 5.7 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 735460.94
Easting (NJSPNAD83): 597549.19
River Bottom Elevation NGVD: -4 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0561-C1AS	0 - 0.5	0	0	0			OL	sandy SILT, some clay and organics, (2.5Y 2.5/1) black, low plasticity, medium stiff, wet to saturated, slight HC-like odor.
13B-0561-C1BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, wet, large red sand clast.
							OL	clayey SILT, (2.5Y 2.5/1) black, low plasticity, soft, wet.
							SM	silty SAND, (2.5YR 2.5/1) reddish black, (2.5Y 2.5/1) black, wet.
13B-0561-C1CS	1.5 - 2.5	0	0	0	2		OL	clayey SILT, (2.5Y 2.5/1) black, soft, wet, black staining and HC-like odor with organics 1.5'-1.83'.
							SM	fine silty SAND, (2.5Y 2.5/1) black, medium dense, moist to wet.
13B-0561-C1DS	2.5 - 3.5	0	0	0	3		SW	fine to coarse SAND, trace fine gravel, (7.5YR 3/1) very dark gray, dense, moist, poorly graded, trace slag.
							CL	CLAY, (2.5Y 2.5/1) black, medium plasticity, soft, wet, moderate HC-like odor.
							SM	very fine SAND and SILT, little medium sand, (2.5Y 2.5/1) black, medium dense, moist.
13B-0561-C1ES	3.5 - 4.5	0	0	0	4		SW	fine to coarse SAND, little fine to medium gravel, little to trace silt, (5YR 3/1) very dark gray, dense, moist, subrounded, coarsens downward, coarse sand layer at 4.45'-4.9' and 5.4'-5.6', coal fragment at 3.65', color change to (10YR 4/6) at 5.4'-5.6'.
13B-0561-C1FS	4.5 - 5.5	0	0	0	5			
13B-0561-C1GS	5.5 - 6.5	0	0	0	6		ML	SILT, little clay, (10YR 4/2) dark grayish brown, low plasticity, very stiff, moist, transition to native, cobble at 6.2-6.5', fine to coarse sand along angular contact at liner.
					7		ML	SILT, (5YR 5/4) reddish brown, non plastic, very stiff, moist to dry (Native).
								End of logging: 7.09

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.6	29.4	0.19

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Core ID: 13B-0561-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/30/2013 9:20:00 AM
Date Completed: 10/2/2013 8:20:00 AM
River Mile: 13.73

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.7 ft
Processed Length: 8.29 ft
Water Depth: 4.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 735462.7
Easting (NJSPNAD83): 597549.42
River Bottom Elevation NGVD: -3.7 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0561-C2AS	0 - 0.5	0	0	0			SM	fine silty SAND, little organics and coarse gravel, trace clay, (2.5Y 2.5/1) black, non plastic, wet to saturated, slight HC-like odor, silt lense at 0.5'.
13B-0561-C2BS	0.5 - 1.5	1	0	0	1		CL	silty CLAY, (2.5Y 2.5/1) black, medium plasticity, soft to medium stiff, moist, slight HC-like odor.
							SM	fine silty SAND, little organics, trace clay, (2.5Y 2.5/1) black, non plastic, wet to saturated, slight HC-like odor.
					2		SW	fine to coarse SAND, little silt and fine to medium gravel, (2.5Y 2.5/1) black, medium dense, moist, poorly graded, wood and debris at 1.8', black staining and HC-like odor at 1.9'-2.28'.
					3		SM	fine silty SAND, (2.5Y 2.5/1) black, dense, moist, thin organic layer with black staining and HC-like odor at 3.27', cobble at 3.4'-3.55'.
							SW	fine to coarse SAND, (5YR 3/1) very dark gray, dense, moist, well graded.
					4			
					5		ML	SILT, little clay, (10YR 4/2) dark grayish brown, low plasticity, very stiff, moist, transition to native silt below.
							ML	SILT, little clay, (5YR 5/2) reddish gray, very stiff, moist to dry, few red sand lenses. (Native)
					6			
					7			
					8			End of logging: 8.29

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.19	35.2	0

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Core ID: 13B-0563-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/24/2013 8:15:00 AM
Date Completed: 9/25/2013 11:20:00 AM
River Mile: 14.44

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8 ft
Recovery Depth: 6.75 ft
Processed Length: 6.75 ft
Water Depth: 3.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 738363.61
Easting (NJSPNAD83): 598522.48
River Bottom Elevation NGVD: -3.8 ft
Weather: sunny,mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0563-C1AS	0 - 0.5	0	0	0			SP	fine to medium SAND, some to little silt, little coarse sand, trace organics, (10YR 2/2) very dark brown, loose, wet.
13B-0563-C1BS	0.5 - 1.5	0	0	0	1		OL	SILT, trace fine sand, (2.5Y 2.5/1) black, low plasticity, soft, moist, black staining and HC-like odor at 1.15'-1.72', black stained organic (wood) layer at 2.27' (2.5") and 3.7' (1/2"), becomes firm with depth, fine sand lenses at 3.3' and 3.68', organics (leaves) at bottom.
13B-0563-C1CS	1.5 - 2.5	0	0	0	2			
13B-0563-C1DS	2.5 - 3.5	0	0	0	3			
13B-0563-C1ES	3.5 - 4.5	0	0	0	4		OL	SILT, trace clay, (5Y 2.5/1) black, medium plasticity, medium stiff to stiff, moist, slight HC-like odor, 1/4" organics (leaves) at top.
							SP	fine SAND, some silt, (2.5Y 2.5/1) black, medium dense, moist.
13B-0563-C1FS	4.5 - 5.5	57	0	0	5		SM-OL	SILT with organics (leaves) and fine sand layers, little clay, (10YR 2/1) black, medium plasticity, medium stiff, moist, interbedded, few organics and sand below 5.95', black staining and HC-like odor in organic layers.
13B-0563-C1GS	5.5 - 6.5	16	0	0	6			
13B-0563-C1HS	6.5 - 6.75	0	0	0			SP	fine SAND, few organics (sticks), trace silt and shell fragments, (7.5YR 3/1) very dark gray, dense, moist to wet.
								End of logging: 6.75

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.8	26.6	0.08

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Core ID: 13B-0563-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 9/24/2013 9:37:00 AM
Date Completed: 9/25/2013 8:30:00 AM
River Mile: 14.44

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.2 ft
Processed Length: 8.28 ft
Water Depth: 6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 738362.74
Easting (NJSPNAD83): 598526.65
River Bottom Elevation NGVD: -4 ft
Weather: sunny, mild
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0563-C2AS	0 - 0.5	0	0	0			SP	fine to medium SAND, some silt, few organics (leaves), trace coarse sand, (10YR 2/2) very dark brown, loose, wet.
13B-0563-C2BS	0.5 - 1.1	0	0	0	1			
13B-0563-C2CS	1.1 - 2.5	0	0	0	2		OL	SILT, little to some clay, trace organics (leaves), (5Y 2.5/1) black, medium plasticity, soft to medium soft, wet, black staining and HC-like odor at 1.1'-1.52', becomes med stiff with depth, organic layer (1/2") at 2.5'.
13B-0563-C2DS	2.5 - 3.5	1.0	0	0	3		SP-OL	SILT and fine SAND, (2.5Y 2.5/1) black, medium plasticity, medium dense, moist, slight HC-like odor.
13B-0563-C2ES	3.5 - 4.5	11	0	0	4		SP	fine silty SAND, (2.5Y 2.5/1) black, dense, moist.
							OL	SILT, some organics (leaves), little fine sand, (2.5Y 2.5/1) black, low plasticity, stiff, moist.
13B-0563-C2FS	4.5 - 5.5	17	0	0	5		OL	SILT, (2.5Y 2.5/1) black, medium plasticity, firm, moist, moderate HC-like odor, ~2" black stained sand and organic layers at 4.6', 5.0', 5.35', & 6.5', variable fine sand throughout.
13B-0563-C2GS	5.5 - 6.5	25	0	0	6			
13B-0563-C2HS	6.5 - 7.5	5	0	0	7		SP	fine SAND, some silt, (7.5YR 3/1) very dark gray, dense, moist, piece of wood.
							OL	SILT, little fine sand and organics, (10YR 2/1) black, medium plasticity, firm, moist, slight HC-like odor.
13B-0563-C2IS	7.5 - 8.28	3	0	0	8		SP	fine SAND, some to little silt, (7.5YR 3/1) very dark gray, medium dense, moist, large piece of wood and slag fragments at 7.5', silt layer at 7.95-8.1'.
								End of logging: 8.28

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.02	28.2	0.06

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Core ID: 13B-0571-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/4/2013 8:50:00 AM
Date Completed: 10/7/2013 8:50:00 AM
River Mile: 12.81

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 14.9 ft
Recovery Depth: 12.4 ft
Processed Length: 12 ft
Water Depth: 9.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 730893.14
Easting (NJSPNAD83): 596222
River Bottom Elevation NGVD: -4.6 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0571-C3AS	0 - 0.5	0	0	0			OL	SILT with organics, (2.5Y 2.5/1) black, non plastic, very soft, saturated.
							SM	
13B-0571-C3BS	0.5 - 1.5	0	0	0	1			fine to medium silty SAND, trace organics, (2.5Y 2.5/1) black, loose to medium dense, saturated, little coarse sand and fine to medium gravel at 1.0'-1.45'.
13B-0571-C3CS	1.5 - 2.5	0	0	0	2		SW	fine to coarse SAND, some fine to coarse gravel, (7.5YR 3/3) dark brown, medium dense, moist, well graded, little silt 1.45-2.05, little red gravel.
13B-0571-C3DS	2.5 - 3.5	0	0	0	3			
13B-0571-C3ES	3.5 - 4.5	0	0	0	4			
13B-0571-C3FS	4.5 - 5.5	0	0	0	5		SP	fine to medium SAND, some to little coarse sand and gravel, (7.5YR 3/3) dark brown, very dense, moist.
13B-0571-C3GS	5.5 - 6.5	0	0	0	6			
13B-0571-C3HS	6.5 - 7.5	0	0	0	7		SW	fine to coarse SAND, some fine to coarse gravel, (7.5YR 3/3) dark brown, very dense, moist, well graded, cobble at 8.65-8.85', coarse sand layer 9.32-9.5'.
13B-0571-C3IS	7.5 - 8.5	0	0	0	8			
13B-0571-C3JS	8.5 - 9.5	0	0	0	9			
13B-0571-C3KS	9.5 - 10.5	0	0	0	10			
13B-0571-C3LS	10.5 - 11	0	0	0	11		SW-GW	fine SAND with fine to coarse gravel, some to little coarse sand, little silt, few cobbles (7.5YR 3/3) dark brown, very dense, moist, red gravel and cobbles transitioning to native.
13B-0571-C3MS	11 - 12	0	0	0	12			
								End of logging: 12

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.11	37.0	0.07
C-D	3.38	28.4	

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Core ID: 13B-0571-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/4/2013 10:00:00 AM
Date Completed: 10/7/2013 11:35:00 AM
River Mile: 12.81

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 16.3 ft
Recovery Depth: 13.2 ft
Processed Length: 12.88 ft
Water Depth: 8.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 730883.3
Easting (NJSPNAD83): 596220.47
River Bottom Elevation NGVD: -4.7 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0571-C4AS	0 - 0.5	0	0	0	0		OL	SILT, some organics, little fine sand, (2.5Y 2.5/1) black, non plastic, very soft, saturated.
13B-0571-C4BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, some to little organics, (2.5Y 2.5/1) black, medium dense, saturated.
							OL	SILT, some organics, (2.5Y 2.5/1) black, non plastic, very soft, saturated.
13B-0571-C4CS	1.5 - 2.5	0	0	0	2		SP-SW	fine to medium SAND, some gravel, little silt and coarse sand, (7.5YR 3/4) dark brown, very dense, moist, poorly graded, red sand clasts at 3.3' and 3.5'.
					3			
					4		SW	fine to coarse SAND and fine to coarse GRAVEL, (7.5YR 3/4) dark brown, very dense, moist, well graded, red gravel.
							SP	fine to medium SAND, (7.5YR 3/4) dark brown, dense, moist, poorly graded.
					5		SW	fine to coarse SAND, some fine to coarse gravel, little to trace silt, (7.5YR 3/4) dark brown, very dense, moist, few rounded to subrounded red gravel.
					6			
					7			
					8			
13B-0571-C4JS	8.5 - 9.5	0	0	0	9			
					10			
13B-0571-C4LS	10.5 - 11.5	0	0	0	11			
13B-0571-C4MS	11.5 - 12.5	0	0	0	12		SP	fine to medium SAND, little silt and fine to medium gravel, (7.5YR 3/4) dark brown, dense, moist.
							SW	medium to coarse SAND, little fine sand, (7.5YR 3/4) dark brown, dense, moist, little red gravel.
								End of logging: 12.88

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.33	36.2	0.23
C-D	4.05		

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Core ID: 13B-0572-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 8:35:00 AM
Date Completed: 10/2/2013 2:05:00 PM
River Mile: 12.99

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 8.5 ft
Recovery Depth: 8 ft
Processed Length: 3.02 ft
Water Depth: 9.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 731693.04
Easting (NJSPNAD83): 596599.47
River Bottom Elevation NGVD: -7.3 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0572-C1AS	0 - 0.5	0	0	0			SW	fine SAND and GRAVEL, some silt, (10YR 3/1) very dark gray, medium dense, wet to saturated, glass fragments.
							OL-SM	SILT and very fine SAND, little clay, (10YR 3/1) very dark gray, medium stiff to soft, wet, few fine sand lenses, native silt at 1.2 and 1.35'.
13B-0572-C1BS	0.5 - 1.5	0	0	0	1		OM	ORGANICS (sticks, leaves), some silt, (10YR 3/1) very dark gray, loose, saturated, slight HC-like odor.
13B-0572-C1CS	1.5 - 2.27	0	0	0	2		ML	SILT with organics, (10YR 3/1) very dark gray, non plastic, soft, wet, moderate HC-like odor, transition to native silt below, (5YR 4/3) reddish brown.
							ML	SILT, little clay, (5YR 4/3) reddish brown, non plastic, very stiff, moist to wet, trace coarse sand (Native).
					3			End of logging: 3.02

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.02	25.0	0.16

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Core ID: 13B-0573-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 1:08:00 PM
Date Completed: 10/2/2013 4:15:00 PM
River Mile: 13.26

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5 ft
Recovery Depth: 4.9 ft
Processed Length: 4.22 ft
Water Depth: 15.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 733125.64
Easting (NJSPNAD83): 596742.58
River Bottom Elevation NGVD: -16.2 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0573-C2AS	0 - 0.5	0	0	0			SP	fine SAND, trace medium to coarse sand little silt, (5YR 3/1) very dark gray, medium dense, wet, silt with organics at top 0-0.15', silty sand at 1.26'-1.35'.
13B-0573-C2BS	0.5 - 1.5	0	0	0	1		SW	fine to coarse SAND and fine to coarse GRAVEL, (5YR 3/1) very dark gray, medium dense, wet.
							OL	clayey SILT, (5YR 3/1) very dark gray, low plasticity, soft, wet, slight HC-like odor, black stained.
13B-0573-C2CS	1.5 - 2.5	0	0	0	2		SW-GW	fine to coarse SAND, GRAVEL, and COBBLES, (2.5YR 4/3) reddish brown, dense, wet, well graded, reddish brown transition to native, some silt with black staining 1.8'-2.2'.
13B-0573-C2DS	2.5 - 3.75	0	0	0	3			
					4		ML	SILT, (2.5YR 4/3) reddish brown, non plastic, very stiff, moist to dry (Native).
							SP	fine SAND, (2.5YR 4/3) reddish brown, dense, moist (Native).
							ML	SILT, (2.5YR 4/3) reddish brown, non plastic, very stiff, moist to dry (Native).
							SP	fine SAND, (2.5YR 4/3) reddish brown, medium dense, moist (Native).

End of logging: 4.22

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.22	39.4	0.21

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Core ID: 13B-0573-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/1/2013 1:45:00 PM
Date Completed: 10/2/2013 5:35:00 PM
River Mile: 13.26

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 5.5 ft
Recovery Depth: 5.6 ft
Processed Length: 0.5 ft
Water Depth: 15.2 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 733127.47
Easting (NJSPNAD83): 596746.46
River Bottom Elevation NGVD: -15.9 ft
Weather: Sunny
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0573-C4AS	0 - 0.5	0	0	0			SP	fine SAND, little silt, trace medium to coarse sand, (5YR 3/1) very dark gray, medium dense, wet to moist, thin silt layer with organics at top of core.
								End of logging: 0.5

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B		44.8	0.21

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Core ID: 13B-0574-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 8:25:00 AM
Date Completed: 10/3/2013 11:30:00 AM
River Mile: 13.48

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 8.4 ft
Processed Length: 4.3 ft
Water Depth: 6.8 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 734270.12
Easting (NJSPNAD83): 597009
River Bottom Elevation NGVD: -3.2 ft
Weather: Sunny, warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
							OL	SILT, little organics (sticks), (10YR 2/1) black, very soft, saturated, slight HC-like odor.
13B-0574-C1AS	0 - 0.5	0	0	0			SP	fine SAND, little silt, trace gravel, (10YR 2/1) black, dense, wet, slight HC-like odor, brick fragments.
							SM	fine silty SAND, little organics, trace medium to coarse sand, (10YR 2/1) black, dense, moist, slight HC-like odor.
13B-0574-C1BS	0.5 - 1.5	0	0	0	1			
							SM-ML	clayey SILT and fine SAND, (10YR 2/1) black, medium dense, wet to moist, moderate HC-like odor, interbedded, black staining and HC-like odor in silt.
13B-0574-C1CS	1.5 - 2.5	0	0	0	2			
							CL	silty CLAY, (5Y 2.5/1) black, low plasticity, medium stiff to stiff, moist, strong HC-like odor, HC-like staining, few thin sand lenses.
					3			
					4		SP	fine SAND, little silt, (5Y 2.5/1) black, medium dense, moist, strong HC-like odor, HC-like staining.
								End of logging: 4.3

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.30	30.8	0.16

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Core ID: 13B-0574-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 9:05:00 AM
Date Completed: 10/3/2013 8:55:00 AM
River Mile: 13.48

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 8.9 ft
Processed Length: 8.4 ft
Water Depth: 6.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 734268.96
Easting (NJSPNAD83): 597010.16
River Bottom Elevation NGVD: -3.5 ft
Weather: Sunny warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0574-C2AS	0 - 0.5	0	0	0	0		OL	SILT, little organics, (10YR 2/1) black, very soft, saturated, moderate HC-like odor, soupy consistency.
							SP	fine SAND, little silt and medium to coarse gravel, (10YR 2/1) black, dense, wet, moderate HC-like odor.
13B-0574-C2BS	0.5 - 1.5	0	0	0	1		OL	
							SM	SILT, little clay, (10YR 2/1) black, low plasticity, medium stiff, moist, slight HC-like odor.
13B-0574-C2CS	1.5 - 2.5	0	0	0	2			fine silty SAND, some organics and fine to coarse gravel, (10YR 2/1) black, dense, wet, slight HC-like odor, coal fragments, 1.75'-1.83' clayey silt layer, coarsens with depth 1.8'-2.2'.
							SM-ML	clayey SILT and fine SAND, (10YR 3/1) very dark gray, medium dense, moist to wet, slight HC-like odor, interbedded.
13B-0574-C2DS	2.5 - 3.5	2	0	0	3		CL	silty CLAY, trace fine sand, (5Y 2.5/1) black, medium plasticity, medium stiff to stiff, moist, strong HC-like odor, HC-like staining, thin sand lense at 3.9'-4.0'.
13B-0574-C2ES	3.5 - 4.5	1	0	0	4			
13B-0574-C2FS	4.5 - 5.5	1	0	0.003	5			
							SP	fine to medium SAND, little silt, (5Y 2.5/1) black, medium dense, moist, moderate HC-like odor.
13B-0574-C2GS	5.5 - 6.4	1	0	0	6		CL	silty CLAY, trace fine sand, (5Y 2.5/1) black, low plasticity, stiff to medium stiff, moist, moderate HC-like odor.
							SP	fine to medium SAND, little silt, (2.5Y 2.5/1) black, medium dense, moist, slight HC-like odor, coarsens downward.
13B-0574-C2HS	6.4 - 7.4	1	0	0	7		ML	clayey SILT, (5Y 2.5/1) black, low plasticity, medium stiff, moist, moderate HC-like odor, HC-like staining.
							SP	fine to coarse SAND, little silt, (2.5Y 3/1) very dark gray, medium dense, moist to wet, poorly graded, contact with native below.
					8		SW-GW	medium to coarse SAND and GRAVEL with cobbles, trace fine sand and silt, (5YR 4/3) reddish brown, loose, wet. (Native)
								End of logging: 8.4

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.23	34.2	0.22

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Core ID: 13B-0574-C3

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/2/2013 10:00:00 AM
Date Completed: 10/3/2013 12:25:00 PM
River Mile: 13.48

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 7.8 ft
Recovery Depth: 6.7 ft
Processed Length: 0.5 ft
Water Depth: 6.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 734268.19
Easting (NJSPNAD83): 597012.8
River Bottom Elevation NGVD: -4.2 ft
Weather: Sunny , warm
Logged By: EF/TW
QC By: TW/HJ

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
							OL	SILT and ORGANICS, (10YR 2/1) black, very soft, saturated, slight HC-like odor.
							SP	fine SAND, some to little silt, little medium to coarse gravel, few cobbles (10YR 2/1) black, dense, wet.
13B-0574-C3AS	0 - 0.5	0	0	0				
								End of logging: 0.5

Remarks:	Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
	A-B		25.6	0.17

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T 978.905.2100 F 978.905.2101

Core ID: 13B-0575-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 8:31:00 AM
Date Completed: 10/18/2013 1:30:00 PM
River Mile: 11.21

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 3.4 ft
Recovery Depth: 2.8 ft
Processed Length: 2.35 ft
Water Depth: 5.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723984
Easting (NJSPNAD83): 594475.84
River Bottom Elevation NGVD: -4.1 ft
Weather: drizzly and mild
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0575-C1AS	0 - 0.5	0	0	0			OL	SILT, some fine sand, (10YR 2/2) very dark brown, medium plasticity, soft, wet, moderate HC-like odor, root hairs, twigs, trash.
13B-0575-C1BS	0.5 - 1.5	0	0	0	1		OH	clayey SILT, (N 2.5/) black, high plasticity, soft, wet, moderate HC-like odor.
					2			End of logging: 2.35

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.35	14.4	0

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Core ID: 13B-0575-C4

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/17/2013 10:47:00 AM
Date Completed: 10/17/2013 12:15:00 PM
River Mile: 11.21

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 6.1 ft
Recovery Depth: 5.8 ft
Processed Length: 5.44 ft
Water Depth: 3.4 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723961.53
Easting (NJSPNAD83): 594470.63
River Bottom Elevation NGVD: -3 ft
Weather: partly sunny and mild
Logged By: EF/PK
QC By: pk/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0575-C4AS	0 - 0.5	0	0	0			OL	SILT, trace fine sand and clay, (N 2.5/) black, soft, saturated, moderate HC-like odor.
13B-0575-C4BS	0.5 - 1.5	0	0	0	1		ML	fine sandy SILT, (10YR 2/1) black, soft, saturated, moderate HC-like odor.
							CL	fine sandy SILT, trace clay, (10Y 5/1) greenish gray, medium plasticity, stiff, moist, moderate HC-like odor.
13B-0575-C4CS	1.5 - 2.5	0	0	0	2		ML	fine sandy SILT, (2.5YR 3/2) dusky red, low plasticity, stiff, moist, moderate HC-like odor.
13B-0575-C4DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, some clay, (5Y 3/2) dark olive gray, medium dense, moist, occasional sandy layers, root layer at 3.5', occasional twigs, washout gap at 4.1'.
13B-0575-C4ES	3.5 - 4.3	0	0	0	4			
13B-0575-C4FS	4.3 - 5.44	0	0	0	5			
								End of logging: 5.44

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	2.35	18.4	0.18

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Core ID: 13B-0578-C1

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/24/2013 8:35:00 AM
Date Completed: 10/24/2013 12:45:00 PM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.1 ft
Processed Length: 4.22 ft
Water Depth: 10.1 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723921.14
Easting (NJSPNAD83): 595286.91
River Bottom Elevation NGVD: -10.5 ft
Weather: sunny 50F
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0578-C1AS	0 - 0.25	0	0	0			OL	SILT, trace fine sand and clay, (10YR 2/2) very dark brown, low plasticity, very soft, saturated, strong HC-like odor, becomes soft with moderate HC-like odor, sandy layers at 1.03-1.10', 1.35-1.47', 1.81-1.90', 2.53-2.60', 3.22-3.28', fishing line at 3.1'.
13B-0578-C1BS	0.25 - 0.5	0	0	0				
13B-0578-C1CS	0.5 - 0.75	0	0	0				
13B-0578-C1DS	0.75 - 1	0	0	0.003				
13B-0578-C1ES	1 - 1.25	0	0	0	1			
13B-0578-C1FS	1.25 - 1.5	0	0	0				
13B-0578-C1GS	1.5 - 1.75	0	0	0				
13B-0578-C1HS	1.75 - 2	0	0	0				
13B-0578-C1IS	2 - 2.25	0	0	0	2			
13B-0578-C1JS	2.25 - 2.5	0	0	0				
13B-0578-C1KS	2.5 - 2.75	0	0	0				
13B-0578-C1LS	2.75 - 3	0	0	0				
					3		OL	SILT, trace clay, (5YR 4/2) dark reddish gray, low plasticity, soft, wet, slight HC-like odor.
							ML	SILT, some sand, (10YR 2/2) very dark brown, wet, slight HC-like odor, grading to reddish brown SILT.
					4			End of logging: 4.22

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.49	28.6	0.13

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Core ID: 13B-0578-C2

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/24/2013 9:20:00 AM
Date Completed: 10/24/2013 4:45:00 PM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 10 ft
Recovery Depth: 8.2 ft
Processed Length: 3.63 ft
Water Depth: 10.6 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723916.08
Easting (NJSPNAD83): 595284.9
River Bottom Elevation NGVD: -9.9 ft
Weather: sunny 50F
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0578-C2AS	0 - 0.25	0	0	0			OL	SILT, trace fine sand and fine gravel, (10YR 2/2) very dark brown, very loose, saturated, moderate HC-like odor.
13B-0578-C2BS	0.25 - 0.5	0	0	0			SM	fine to coarse silty SAND, some gravel, trace clay, (10YR 2/2) very dark brown, loose, saturated, slight HC-like odor, root hairs.
13B-0578-C2CS	0.5 - 0.75	0	0	0			OL	SILT, trace fine sand, (10YR 2/2) very dark brown, low plasticity, soft, wet, slight HC-like odor, large piece of wood at 1.0', sand layer 1.8-1.98'.
13B-0578-C2DS	0.75 - 1	0	0	0				
13B-0578-C2ES	1 - 1.25	0	0	0	1			
13B-0578-C2FS	1.25 - 1.5	0	0	0				
13B-0578-C2GS	1.5 - 1.75	0	0	0				
13B-0578-C2HS	1.75 - 2	0	0	0				
13B-0578-C2IS	2 - 2.25	0	0	0	2			
13B-0578-C2JS	2.25 - 2.5	0	0	0				
13B-0578-C2KS	2.5 - 2.75	0	0	0				
13B-0578-C2LS	2.75 - 3	0	0	0				
					3		SM	fine silty SAND, some clay, (10YR 2/2) very dark brown, loose, moist, slight HC-like odor, thin seams of clay.
								End of logging: 3.63

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.63	25.2	0.22

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Core ID: 13B-0578-C5

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/24/2013 1:45:00 PM
Date Completed: 10/25/2013 9:00:00 AM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.6 ft
Recovery Depth: 9.6 ft
Processed Length: 8.25 ft
Water Depth: 15 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723928.09
Easting (NJSPNAD83): 595276.38
River Bottom Elevation NGVD: -12 ft
Weather: Sunny, breezy, cold
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0578-C5AS	0 - 0.5	0	0	0	0		SM	fine to coarse silty SAND, some fine to coarse gravel, trace clay, (10YR 3/2) very dark grayish brown, dense, saturated, moderate HC-like odor.
13B-0578-C5BS	0.5 - 1.5	0	0	0.003	1		OL	SILT, trace fine sand and clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, moderate HC-like odor, sand layers at 1.7-1.78', 2.03-2.11'.
13B-0578-C5CS	1.5 - 2.5	0	0	0	2		OL	SILT, trace fine sand and clay, (5YR 4/2) dark reddish gray, low plasticity, soft, wet, moderate HC-like odor, sand layer 2.45-2.57', color changes to dark brown (5YR 3/1).
13B-0578-C5DS	2.5 - 3.5	0	0	0	3		SM	fine silty SAND, (5YR 3/2) dark reddish brown, medium dense, wet, black clay layer at 2.9'.
13B-0578-C5ES	3.5 - 4.5	0	0	0	4		SM	fine silty SAND, trace clay, (10YR 3/1) very dark gray, medium dense, wet, slight HC-like odor, 0.05' of water over 0.1' of black soupy muck with sheen at top, clay nodule at 4.2'.
							OL	SILT, trace clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, slight HC-like odor.
13B-0578-C5FS	4.5 - 5.25	0	0	0.005	5		SM	fine silty SAND, (10YR 2/2) very dark brown, loose, wet, slight HC-like odor, clay layer at contact.
13B-0578-C5GS	5.25 - 6.25	0	0	0	6		SM	fine to coarse silty SAND, some gravel, trace clay, (10YR 3/2) very dark grayish brown, very dense, moist, slight HC-like odor.
					7		ML	SILT, (5YR 3/3) dark reddish brown, wet (Native).
					8			End of logging: 8.25

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	3.65	29.6	0.18

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Core ID: 13B-0578-C6

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/24/2013 2:20:00 PM
Date Completed: 10/25/2013 11:20:00 AM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.7 ft
Processed Length: 3.9 ft
Water Depth: 15.9 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723934.37
Easting (NJSPNAD83): 595272.38
River Bottom Elevation NGVD: -13.1 ft
Weather: Sunny, breezy, cold
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
13B-0578-C6AS	0 - 0.5	0	0	0			SM	fine to coarse silty SAND, some fine to coarse gravel, (10YR 2/2) very dark brown, loose, saturated, moderate HC-like odor, black gravelly muck on top (very liquid), becomes less gravelly.
13B-0578-C6BS	0.5 - 1.5	0	0	0	1		OL	SILT, trace clay, (10YR 2/1) black, low plasticity, soft, saturated, moderate HC-like odor, grades to brown (10YR 4/3), sand pocket at 1.4'.
							ML	SILT, (5YR 3/2) dark reddish brown, soft, saturated, moderate HC-like odor, gradual grading.
13B-0578-C6CS	1.5 - 2.5	0	0	0	2		SM	fine silty SAND, some clay, (5YR 2.5/1) black, medium dense, saturated, moderate HC-like odor.
					3		SM	fine to coarse silty SAND, trace clay, (10YR 2/2) very dark brown, dense, moist, slight HC-like odor, reddish brown silt pocket at 3.5', clam shell at 3.9'.
								End of logging: 3.9

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.04	37.2	0.27

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Core ID: 13B-0578-C7

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/24/2013 3:20:00 PM
Date Completed: 10/25/2013 1:00:00 PM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.7 ft
Processed Length: 4.17 ft
Water Depth: 14.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723930.81
Easting (NJSPNAD83): 595271.17
River Bottom Elevation NGVD: -12.7 ft
Weather: Sunny, breezy, cold
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	Depth Range (ft bgs)	Graphic Log	USCS	Sediment Description
							SM	fine to coarse silty SAND, some fine to coarse gravel, trace silt, (10YR 2/2) very dark brown, loose, saturated, slight HC-like odor.
13B-0578-C7BS	0.5 - 1.5	0	0	0	1		SM	fine silty SAND, some clay, (10YR 2/2) very dark brown, medium dense, wet, slight HC-like odor.
					2		ML	SILT, (5YR 3/1) very dark gray, medium stiff, wet, slight HC-like odor, reddish brown mottling.
					3		ML	fine sandy SILT, (5YR 3/1) very dark gray, stiff, wet, slight HC-like odor, reddish brown mottling.
					4		SM	fine to coarse silty SAND, (10YR 2/2) very dark brown, dense, clam shell at 3.8'.
								End of logging: 4.17

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.17	36.6	0.39

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Core ID: 13B-0578-C8

Project Name: LPR LRC SSP2
Project Number: 60139067.P408
Client: Cooperating Parties Group
Date Started: 10/25/2013 11:00:00 AM
Date Completed: 10/25/2013 2:40:00 PM
River Mile: 11.36

Drilling Contractor: Ocean Surveys, Inc.
Drilling Method: Vibracore/lexan liner
Diameter: 3.5 in
Penetration: 9.5 ft
Recovery Depth: 9.2 ft
Processed Length: 8.52 ft
Water Depth: 12.5 ft

Location: Newark, NJ, USA
Northing (NJSPNAD83): 723924.13
Easting (NJSPNAD83): 595272.62
River Bottom Elevation NGVD: -11 ft
Weather: Sunny Breezy Cold
Logged By: EF/PK
QC By: PK/hj

Sample ID	Sample Interval	PID (ppm)	Field H2S (ppm)	Field Hg (mg/m3)	USCS	Sediment Description
13B-0578-C8AAS	0 - 0.25	0	0	0	ML	SILT, (10YR 2/2) very dark brown, very soft, saturated, slight HC-like odor, very soupy muck, 2 large pieces of gravel.
13B-0578-C8ABS	0.25 - 0.5	0	0	0	SM	fine to coarse silty SAND, some fine to coarse gravel, trace clay, (10YR 2/2) very dark brown, loose, saturated, slight HC-like odor.
13B-0578-C8ACS	0.5 - 0.75	0	0	0		
13B-0578-C8ADS	0.75 - 1	0	0	0	OL	SILT, little clay, (10YR 2/2) very dark brown, low plasticity, soft, wet, slight HC-like odor.
13B-0578-C8AES	1 - 1.25	0	0	0		
13B-0578-C8AFS	1.25 - 1.5	0	0	0		
13B-0578-C8AGS	1.5 - 1.75	0	0	0	SM	fine silty SAND, trace silt, (10YR 3/2) very dark grayish brown, dense, moist, slight HC-like odor.
13B-0578-C8AHS	1.75 - 2	0	0	0	OH	clayey SILT, (10YR 2/2) very dark brown, high plasticity, soft, moist, slight HC-like odor, sandy layer at 1.6'.
13B-0578-C8AIS	2 - 2.25	0	0	0		
13B-0578-C8AJS	2.25 - 2.5	0	0	0		
13B-0578-C8AKS	2.5 - 2.75	0	0	0		
13B-0578-C8ALS	2.75 - 3	0	0	0		
13B-0578-C8AMS	3 - 3.25	0	0	0	OH	clayey SILT, (10YR 2/2) very dark brown, high plasticity, soft, moist, slight HC-like odor, grading to reddish brown (5YR 4/2).
13B-0578-C8ANS	3.25 - 3.5	0	0	0	ML	fine sandy SILT, (5YR 3/2) dark reddish brown, soft, moist, slight HC-like odor, layer of black silt with sheen at surface of segment 4.06-4.10'.
13B-0578-C8AOS	3.5 - 3.75	0	0	0		
13B-0578-C8APS	3.75 - 4	0	0	0		
13B-0578-C8AQS	4 - 4.25	0	0	0		
13B-0578-C8ARS	4.25 - 4.5	0	0	0		
13B-0578-C8ASS	4.5 - 4.75	0	0	0.005		
13B-0578-C8ATS	4.75 - 5	0	0	0		
13B-0578-C8AUS	5 - 5.25	0	0	0	OH	clayey SILT, (10YR 2/2) very dark brown, high plasticity, soft, wet, moderate HC-like odor.
13B-0578-C8AVS	5.25 - 5.5	0	0	0.005	SM	fine to coarse silty SAND, trace fine gravel, (10YR 2/2) very dark brown, dense, wet to moist, slight HC-like odor, clayey sand layers at 5.74-5.93' and 6.62-6.90', coarse gravel 7.0-7.5'.
13B-0578-C8AWS	5.5 - 5.75	0	0	0		
13B-0578-C8AXS	5.75 - 6	0	0	0		
13B-0578-C8AYS	6 - 6.25	0	0	0		
13B-0578-C8AZS	6.25 - 6.5	0	0	0		
13B-0578-C8BAS	6.5 - 6.75	0	0	0		
13B-0578-C8BBS	6.75 - 7	0	0	0		
13B-0578-C8BCS	7 - 7.25	0	0	0		
13B-0578-C8BDS	7.25 - 7.5	0	0	0	ML	SILT, (5YR 4/3) reddish brown, wet (Native).
						End of logging: 8.52

Remarks:

Segment ID	Length (ft)	Weight (lbs)	Water Height (ft)
A-B	4.06	31.0	0.29

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Appendix G

Performance Evaluation Sample Results

AECOM
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Chelmsford, MA 01824

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Memorandum

To	Bill Potter, de maximis	Page 1
CC	Rob Law, de maximis; Laura Kelmar, Debbie Simmons, Robert Kennedy, and Mary O'Connell Kozik, AECOM	
Subject	Results of Pre-Mobilization Performance Evaluation Samples: Supplemental Sampling Program 2	
From	Doug Simmons	
Date	August 23, 2013	

Introduction

Performance Evaluation (PE) samples were used as part of the overall assessment of the laboratories selected for participation in the Lower Passaic River Restoration Program (LPRRP) Low Resolution Coring (LRC) Supplemental Sampling Program 2 (SSP 2). Review of laboratory documentation (certification status, staff resumes, Quality Assurance Plans, Standard Operating Procedures [SOPs], audits) and PE samples are common means of assessing the capabilities of analytical laboratories. However, regulatory agency certification, audits, and PE samples represent a snapshot of laboratory performance and do not guarantee the consistency of laboratory performance; none of these procedures are a substitute for the use of routine quality control (QC) samples in each analytical batch processed through the laboratory and monitoring of the trends revealed through routine QC procedures.

The pre-mobilization PE program consisted of submission of PE samples for a limited set of analyte groups: Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans (PCDD/PCDFs), Polychlorinated Biphenyls (PCBs) Congeners, Polyaromatic Hydrocarbons (PAHs), and Organochlorine Pesticides to the primary laboratories performing these analyses.

Initial PE Samples

The initial PE samples were sent to the laboratories on July 19, 2013. The PE samples used to assess the laboratories selected for participation in the SSP 2 were obtained from Phenova of Golden, Colorado and Resource Technology Corporation (RTC) of Laramie, Wyoming; these firms provide support for a number of state and national laboratory certification programs and method studies. Both Phenova and RTC offered reference materials containing the target analytes of interest at varying concentrations. The PE samples offered by both Phenova and RTC are either natural matrix materials or samples which have been prepared and fortified to provide specific analytical profiles. The samples are then certified using data developed from multi-laboratory analysis and in-house data.

All PE samples were shipped directly to the laboratory from the supplier in a container that listed only a sample identification (ID) number; certificates of analysis were sent only to the AECOM project chemist. Labs were directed to analyze the sample using the analytical procedures and SOPs specified in the Quality Assurance Project Plan (QAPP), Lower Passaic River Restoration Project Low Resolution Coring Supplemental Sampling Program 2 (AECOM, 2013). PE samples were provided to SGS/Analytical Perspectives for analysis of PCDD/PCDFs and PCB Congeners and TestAmerica Laboratories in Knoxville and West Sacramento for the analysis of PAHs and Organochlorine Pesticides, respectively. A full list of the analyses evaluated, the PE sample source and product name or catalog number, and the laboratory receiving the sample is provided in Table 1. A summary of the results, problems encountered, and corrective action, if required, is presented in the following paragraphs.

Table 1 Initial Performance Evaluation Sample Summary

Constituent Group	Laboratory	Catalog Number/Name	Results
PCDD/PCDFs	SGS-Analytical Perspectives, Wilmington, NC	RTC Dioxins and Furans in Soil, SQC016, Lot 019658	27 of 27 Results Acceptable
PCB Congeners	SGS-Analytical Perspectives, Wilmington, NC	Phenova PCB Congeners in Soil, Lot No.7052-80	29 of 29 Results Acceptable
PAHs	TestAmerica-Knoxville, TN	Phenova PAHs in Soil, Lot No. 7051-22	17 of 17 Results Acceptable
Organochlorine Pesticides	TestAmerica-West Sacramento, CA	Phenova Pesticides in Soil, Lot No. 7051-14	20 of 20 Results Acceptable

Results and Corrective Action

Based on information provided by Phenova and RTC, results have been compared to the certified value. Where both a certified value and gravimetric value have been provided; the certified value is that obtained from testing by multiple laboratories. Phenova and RTC have provided an acceptance limit for each parameter which is based on the results obtained from actual laboratory analyses of the reference material; acceptance limits are calculated using the United States Environmental Protection Agency (EPA) Biweight Method. However, based on discussions with Phenova and RTC, certified values and acceptance limits are, in some cases, based on a small data pool. After AECOM's review of the data, the PE results were shared with the laboratories. Since all results fell within the supplier acceptance limits, no corrective actions were required. If any outliers had been reported, a formal response describing the results of the laboratory data review and any additional investigations and/or re-analyses, as well as future corrective actions, would have been requested from those laboratories that reported results falling outside the acceptance limits and provided as part of this memo.

Any PEs that will be analyzed in conjunction with the sampling events at the frequency specified in the QAPP will be documented and reported in a similar manner.

Polychlorinated Dibenzodioxins/Polychlorinated Dibenzofurans (PCDD/PCDFs)

All results reported by the primary laboratory, SGS-Analytical Perspectives, for PCDD/PCDFs were within the established acceptance limits. These results are provided in Table 2.

Polychlorinated Biphenyls (PCBs) (Congeners)

All results reported by the primary laboratory, SGS-Analytical Perspectives, were within the established acceptance limits. The results for PCB Congeners are provided in Table 3.

Polyaromatic Hydrocarbons (PAHs)

All results reported by the primary laboratory, TestAmerica-Knoxville, for PAHs were within the established acceptance limits for each analyte.

Results for PAHs are provided in Table 4.

Organochlorine Pesticides

Organochlorine pesticide analytical results for TestAmerica-West Sacramento were within the established acceptance limits. Results for the analysis of organochlorine pesticides are presented in Table 5.

In conclusion, the PE results reviewed confirmed the primary laboratories specified in the QAPP are capable of performing the expected methods with acceptable results for the analyte categories tested.

Table 2: RTC Dioxins and Furans in Soil, SQC 016, Lot 019658 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Reported Value (pg/g)	Acceptance Limits (pg/g)	Acceptance Limits (%)	Percent Recovery
1,2,3,4,6,7,8-Hpcdf	653 ± 22.3	567	354 to 952	54.2 - 146	86.8
1,2,3,4,7,8,9-Hpcdf	891 ± 20.3	759	485 to 1,300	54.4 - 146	85.2
1,2,3,4,6,7,8-Hpcdd	322 ± 12.3	342	172 to 472	53.4 - 147	106.2
Total Heptachlorodibenzo-p-dioxin (Total HPCDD)	322 ± 11.9	402	172 to 472	53.4 - 147	124.8
Total Heptachlorodibenzofuran (Total HPCDF)	1,540 ± 33.2	1340	842 to 2,240	54.7 - 145	87.0
1,2,3,4,7,8-Hxcdd	207 ± 8.32	174	109 to 305	52.7 - 147	84.1
1,2,3,6,7,8-Hxcdd	300 ± 10.5	265	160 to 440	53.3 - 147	88.3
1,2,3,7,8,9-Hxcdd	521 ± 15.0	446	281 to 761	53.9 - 146	85.6
Hxcdd, total	1,030 ± 30.5	904	562 to 1,500	54.5 - 146	87.8
1,2,3,4,7,8-Hxcdf	522 ± 15.9	498	402 to 642	77.0 - 123	95.4
1,2,3,6,7,8-Hxcdf	51.6 ± 5.52	48.1	25.5 to 77.8	49.4 - 151	93.2
1,2,3,7,8,9-Hxcdf	485 ± 14.1	423	262 to 708	54.0 - 146	87.2
2,3,4,6,7,8-Hxcdf	185 ± 4.84	160	96.4 to 274	52.1 - 148	86.5
Total Hexachlorodibenzofuran (Total HxCDF)	1,290 ± 28.4	1150	705 to 1,880	54.6 - 146	89.1
1,2,3,4,6,7,8,9-OCDF	397 ± 23.4	346	213 to 581	53. 6 - 146	87.2
1,2,3,4,6,7,8,9-OCDD	711 ± 43.3	853	418 to 1,000	58.8 - 141	120.0
1,2,3,7,8-Pecdd	653 ± 21.2	556	354 to 952	54.2 - 146	85.1
1,2,3,7,8-Pecdf	79.4 ± 4.56	64.9	38.3 to 121	48.2 - 152	81.7
2,3,4,7,8-Pecdf	115 ± 3.71	98.8	57.9 to 172	50.3 - 150	85.9
Pecdf, total	194 ± 8.05	173	101 to 287	52.1 - 148	89.2
Pecdd, total	653 ± 21.0	558	354 to 952	54.2 - 146	85.5
2,3,7,8-TCDD	799 ± 16.2	688	434 to 1,160	54.3 - 145	86.1
2,3,7,8-TCDF	331 ± 13.0	302	177 to 485	53.5 - 147	91.2
TCDF, total	331 ± 12.4	303	177 to 485	53.5 - 147	91.5
TCDD, total	799 ± 16.3	691	434 to 1,160	54.3 - 145	86.5
PCDD, total	3,370 ± 223	3410	1,850 to 4,890	54.9 - 145	101.2
PCDF, total	3,360 ± 177	3320	1,840 to 4,880	54.8 -145	98.8

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historic Interlaboratory Study results.

Table 3: PCB Congeners in Soil Phenova Lot 7052-80 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (ug/Kg)	Reported Value (ug/Kg)	Acceptance Limits (ug/Kg)	Acceptance Limits (%)	Percent Recovery
2,4'-Dichlorobiphenyl (PCB 8)	<1.0	0.0684			
2,2',5-Trichlorobiphenyl (PCB 18)	<1.0	0.0499			
2,4,4'-Trichlorobiphenyl (PCB 28)	19.2	17.4	7.68 - 30.7	40.0 - 160	90.6
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	<1.0	0.042			
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	26.4	24.1	10.6 - 42.2	40.2 - 160	91.3
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	<1.0	0.113			
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	<1.0	0.0693			
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	30.4	29.2	12.2 - 48.6	40.1 - 160	96.1
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	11.2	9.21	4.48 - 17.9	40.0 - 160	82.2
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	22.4	21.5	8.96 - 35.8	40.0 - 160	96.0
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	<1.0	0.0027			
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	<1.0	0.114			
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	18.4	16.9	7.36 - 29.4	40.0 - 160	91.8
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	<1.0	0.256			
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	<1.0	0.0122			
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	14.8	13.5	5.92 - 23.7	40.0 - 160	91.2
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	<1.0	0.111			
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	<1.0	3.08			
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	2.88	3.08	1.15 - 4.61	39.9 - 160	106.9
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	<1.0	0.145			
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	20	17.9	8.00 - 32.0	40.0 - 160	89.5
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	<1.0	0.0071 EMPC			
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	11.2	9.04	4.48 - 17.9	40.0 - 160	80.7
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	<1.0	0.0401			
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	14	12.9	5.60 - 22.4	40.0 - 160	92.1
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	<1.0	0.0042			
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	<1.0	0.00589			
Decachlorobiphenyl (PCB 209)	<1.0	0.00625 EMPC			
Total PCBs	168	178	67.4 - 270	40.1 - 161	106.0

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historic Interlaboratory Study results.

Table 4: PAHs Phenova Lot 7051-22 (TestAmerica, Knoxville, TN)

Analyte	Certified Value[a] (ug/Kg)	Reported Value (ug/Kg)	Acceptance Limits (ug/Kg)	Acceptance Limits (%)	Percent Recovery
Acenaphthene	509	436	69.8 - 620	13.7 - 122	85.7
Acenaphthylene	336	259	33.6 - 471	10.0 - 140	77.1
Anthracene	591	504	92.4 - 828	15.6 - 140	85.3
Benzo(a)anthracene	200	164	60.9 - 255	30.5 - 128	82.0
Benzo(b)fluoranthene	362	274	117 - 398	32.3 - 110	75.7
Benzo(k)fluoranthene	402	349	114 - 470	28.4 - 117	86.8
Benzo(g,h,i)perylene	277	226	27.7 - 353	10.0 - 127	81.6
Benzo(a)pyrene	207	176	37.5 - 265	18.1 - 128	85.0
Chrysene	101	99.4	23.4 - 152	23.2 - 150	98.4
Dibenz(a,h)anthracene	248	241	55.3 - 329	22.3 - 133	97.2
Fluoranthene	527	442	140 - 618	26.6 - 117	83.9
Fluorene	314	286	58.6 - 407	18.7 - 130	91.1
Indeno(1,2,3-cd)pyrene	187	162	28.7 - 240	15.3 - 128	86.6
2-Methylnaphthalene	446	358	44.6 - 847	10.0 - 190	80.3
Naphthalene	707	571	70.7 - 984	10.0 - 139	80.8
Phenanthrene	759	722	213 - 983	28.1 - 130	95.1
Pyrene	98.9	86.2	26.0 - 141	26.3 - 143	87.2

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historic Interlaboratory Study results.

Table 5: Pesticides Phenova Lot 7051-14 (TestAmerica, West Sacramento, CA)

Analyte	Certified Value[a] (ug/Kg)	Reported Value (ug/Kg)	Acceptance Limits (ug/Kg)	Acceptance Limits (%)	Percent Recovery
Aldrin	342	260	96.9 - 425	28.3 - 124	76.0
alpha-BHC	446	400	127 - 558	28.5 - 125	89.7
beta-BHC	221	200	39.2 - 314	17.7 - 142	90.5
delta-BHC	149	120	27.9 - 206	18.7 - 138	80.5
gamma-BHC (Lindane)	347	290	88.6 - 427	25.5 - 123	83.6
alpha-Chlordane	234	190	72.9 - 290	31.2 - 124	81.2
gamma-Chlordane	124	100	40.7 - 154	32.8 - 124	80.6
4,4'-DDD	339	280	115 - 452	33.9 - 133	82.6
4,4'-DDE	454	370	155 - 585	34.1 - 129	81.5
4,4'-DDT	366	280	89.9 - 508	24.6 - 139	76.5
Dieldrin	205	150	59.3 - 256	28.9 - 125	73.2
Endosulfan I	320	130	48.8 - 352	15.3 - 110	40.6
Endosulfan II	394	180	72.2 - 434	18.3 - 110	45.7
Endosulfan Sulfate	445	320	87.0 - 561	19.6 - 126	71.9
Endrin	157	120	50.0 - 201	31.8 - 128	76.4
Endrin Aldehyde	362	240	36.2 - 398	10.0 - 110	66.3
Endrin Ketone	314	230	67.7 - 375	21.6 - 119	73.2
Heptachlor	62.9	51	15.7 - 87.1	25.0 - 138	81.1
Heptachlor Epoxide	233	190	73.1 - 284	31.4 - 122	81.5
Methoxychlor	247	180	24.7 - 412	10.0 - 167	72.9

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historic Interlaboratory Study results.

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCDD/PCDF

Table G-1
RTC Dioxins and Furans in Soil, SQC 016, Lot 019400 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Acceptance Limits (pg/g)	Reported Concentration (pg/g) 13B-0930-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1002-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1007-P1	Percent Recovery
1,2,3,4,6,7,8-Hpcdf	197 ± 12.3	103 - 291	177	89.8	171	86.8	171	86.8
1,2,3,4,7,8,9-Hpcdf	570 ± 27.2	308 - 832	491	86.1	498	87.4	472	82.8
1,2,3,4,6,7,8-Hpcdd	671 ± 32.8	364 - 978	667	99.4	675	101	668	99.6
Total Heptachlorodibenzo-p-dioxin (Total HPCDD	671 ± 38.9	364 - 978	739	110	754	112	741	110
Total Heptachlorodibenzofuran (Total HPCDF)	766 ± 34.1	416 - 1120	682	89.0	690	90.1	657	85.8
1,2,3,4,7,8-Hxcdd	439 ± 17.6	236 - 642	391	89.1	379	86.3	382	87.0
1,2,3,6,7,8-Hxcdd	565 ± 26.1	306 - 824	501	88.7	495	87.6	490	86.7
1,2,3,7,8,9-Hxcdd	882 ± 31.0	480 - 1280	814	92.3	799	90.6	748	84.8
Hxcdd, total	1890 ± 61.6	1040 - 2740	1720	91.0	1690	89.4	1640	86.8
1,2,3,4,7,8-Hxcdf	49.9 ± 2.39	27.4 - 72.3	48.8	97.8	47.7	95.6	52.2	105
1,2,3,6,7,8-Hxcdf	605 ± 27.1	328 - 882	514	85.0	539	89.1	526	86.9
1,2,3,7,8,9-Hxcdf	892 ± 43.9	486 - 1300	771	86.4	822	92.2	785	88.0
2,3,4,6,7,8-Hxcdf	580 ± 21.2	314 - 846	507	87.4	518	89.3	525	90.5
Total Hexachlorodibenzofuran (Total HxCDF)	2130 ± 85.3	1170 - 3090	1850	86.9	1940	91.1	1900	89.2
1,2,3,4,6,7,8,9-OCDF	716 ± 68.2	286 - 1150	626	87.4	635	88.7	645	90.1
1,2,3,4,6,7,8,9-OCDD	800 ± 43.0	435 - 1160	916	115	953	119	906	113
1,2,3,7,8-Pecdd	151 ± 6.00	77.7 - 224	140	92.7	142	94.0	149	98.7
1,2,3,7,8-Pecdf	75.6 ± 7.49	0.00 - 299	8.53	11.3	8.98	11.9	7.68	10.2
2,3,4,7,8-Pecdf	620 ± 27.1	336 - 904	543	87.6	569	91.8	572	92.3
Pecdf, total	696 ± 17.3	378 - 1010	569	81.8	602	86.5	593	85.2
Pecdd, total	151 ± 5.60	77.7 - 224	140	92.7	147	97.4	149	98.7
2,3,7,8-TCDD	580 ± 27.0	314 - 846	519	89.5	551	95.0	488	84.1
2,3,7,8-TCDF	701 ± 34.5	381 - 1020	601	85.7	667	95.1	620	88.4

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCDD/PCDF - Polychlorinated Dibenzodioxin/ Polychlorinated Dibenzofuran

pg/g = Picogram per Gram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCDD/PCDF

Table G-1
RTC Dioxins and Furans in Soil, SQC 016, Lot 019400 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Acceptance Limits (pg/g)	Reported Concentration (pg/g) 13B-1015-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1016-P1	Percent Recovery
1,2,3,4,6,7,8-Hpcdf	197 ± 12.3	103 - 291	169	85.8	176	89.3
1,2,3,4,7,8,9-Hpcdf	570 ± 27.2	308 - 832	474	83.2	488	85.6
1,2,3,4,6,7,8-Hpcdd	671 ± 32.8	364 - 978	657	97.9	666	99.3
Total Heptachlorodibenzo-p-dioxin (Total HPCDD	671 ± 38.9	364 - 978	721	107	738	110
Total Heptachlorodibenzofuran (Total HPCDF)	766 ± 34.1	416 - 1120	657	85.8	678	88.5
1,2,3,4,7,8-Hxcdd	439 ± 17.6	236 - 642	372	84.7	357	81.3
1,2,3,6,7,8-Hxcdd	565 ± 26.1	306 - 824	500	88.5	499	88.3
1,2,3,7,8,9-Hxcdd	882 ± 31.0	480 - 1280	788	89.3	786	89.1
Hxcdd, total	1890 ± 61.6	1040 - 2740	1680	88.9	1660	87.8
1,2,3,4,7,8-Hxcdf	49.9 ± 2.39	27.4 - 72.3	49.2	98.6	52.2	105
1,2,3,6,7,8-Hxcdf	605 ± 27.1	328 - 882	512	84.6	519	85.8
1,2,3,7,8,9-Hxcdf	892 ± 43.9	486 - 1300	793	88.9	781	87.6
2,3,4,6,7,8-Hxcdf	580 ± 21.2	314 - 846	510	87.9	500	86.2
Total Hexachlorodibenzofuran (Total HxCDF)	2130 ± 85.3	1170 - 3090	1870	87.8	1860	87.3
1,2,3,4,6,7,8,9-OCDF	716 ± 68.2	286 - 1150	628	87.7	659	92.0
1,2,3,4,6,7,8,9-OCDD	800 ± 43.0	435 - 1160	838	105	863	108
1,2,3,7,8-Pecdd	151 ± 6.00	77.7 - 224	145	96.0	137	90.7
1,2,3,7,8-Pecdf	75.6 ± 7.49	0.00 - 299	6.45	8.5	5.58	7.4
2,3,4,7,8-Pecdf	620 ± 27.1	336 - 904	565	91.1	508	81.9
Pecdf, total	696 ± 17.3	378 - 1010	591	84.9	528	75.9
Pecdd, total	151 ± 5.60	77.7 - 224	145	96.0	137	90.7
2,3,7,8-TCDD	580 ± 27.0	314 - 846	528	91.0	487	84.0
2,3,7,8-TCDF	701 ± 34.5	381 - 1020	656	93.6	572	81.6

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCDD/PCDF - Polychlorinated Dibenzodioxin/ Polychlorinated Dibenzofuran

pg/g = Picogram per Gram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCDD/PCDF

Table G-1
RTC Dioxins and Furans in Soil, SQC 016, Lot 019400 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Acceptance Limits (pg/g)	Reported Concentration (pg/g) 13B-1017-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1010-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1009-P1	Percent Recovery
1,2,3,4,6,7,8-Hpcdf	197 ± 12.3	103 - 291	172	87.3	162	82.2	163	82.7
1,2,3,4,7,8,9-Hpcdf	570 ± 27.2	308 - 832	511	89.6	456	80.0	476	83.5
1,2,3,4,6,7,8-Hpcdd	671 ± 32.8	364 - 978	671	100	622	92.7	643	95.8
Total Heptachlorodibenzo-p-dioxin (Total HPCDD	671 ± 38.9	364 - 978	742	111	694	103	715	107
Total Heptachlorodibenzofuran (Total HPCDF)	766 ± 34.1	416 - 1120	695	90.7	630	82.2	655	85.5
1,2,3,4,7,8-Hxcdd	439 ± 17.6	236 - 642	380	86.6	360	82.0	369	84.1
1,2,3,6,7,8-Hxcdd	565 ± 26.1	306 - 824	520	92.0	468	82.8	497	88.0
1,2,3,7,8,9-Hxcdd	882 ± 31.0	480 - 1280	813	92.2	764	86.6	781	88.5
Hxcdd, total	1890 ± 61.6	1040 - 2740	1730	91.5	1610	85.2	1670	88.4
1,2,3,4,7,8-Hxcdf	49.9 ± 2.39	27.4 - 72.3	50.9	102	45.8	91.8	48.8	97.8
1,2,3,6,7,8-Hxcdf	605 ± 27.1	328 - 882	549	90.7	492	81.3	520	86.0
1,2,3,7,8,9-Hxcdf	892 ± 43.9	486 - 1300	809	90.7	755	84.6	773	86.7
2,3,4,6,7,8-Hxcdf	580 ± 21.2	314 - 846	518	89.3	488	84.1	499	86.0
Total Hexachlorodibenzofuran (Total HxCDF)	2130 ± 85.3	1170 - 3090	1940	91.1	1790	84.0	1850	86.9
1,2,3,4,6,7,8,9-OCDF	716 ± 68.2	286 - 1150	639	89.2	610	85.2	604	84.4
1,2,3,4,6,7,8,9-OCDD	800 ± 43.0	435 - 1160	889	111	908	114	827	103
1,2,3,7,8-Pecdd	151 ± 6.00	77.7 - 224	141	93.4	133	88.1	139	92.1
1,2,3,7,8-Pecdf	75.6 ± 7.49	0.00 - 299	8.07	10.7	12.7	16.8	8.57	11.3
2,3,4,7,8-Pecdf	620 ± 27.1	336 - 904	585	94.4	517	83.4	548	88.4
Pecdf, total	696 ± 17.3	378 - 1010	610	87.6	544	78.2	576	82.8
Pecdd, total	151 ± 5.60	77.7 - 224	141	93.4	133	88.1	140	92.7
2,3,7,8-TCDD	580 ± 27.0	314 - 846	498	85.9	494	85.2	517	89.1
2,3,7,8-TCDF	701 ± 34.5	381 - 1020	665	94.9	625	89.2	627	89.4

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCDD/PCDF - Polychlorinated Dibenzodioxin/ Polychlorinated Dibenzofuran

pg/g = Picogram per Gram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCDD/PCDF

Table G-1
RTC Dioxins and Furans in Soil, SQC 016, Lot 019400 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Acceptance Limits (pg/g)	Reported Concentration (pg/g) 13B-1014-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1004-P1	Percent Recovery	Reported Concentration (pg/g) 13B-1008-P1	Percent Recovery
1,2,3,4,6,7,8-Hpcdf	197 ± 12.3	103 - 291	163	82.7	175	88.8	169	85.8
1,2,3,4,7,8,9-Hpcdf	570 ± 27.2	308 - 832	473	83.0	498	87.4	471	82.6
1,2,3,4,6,7,8-Hpcdd	671 ± 32.8	364 - 978	657	97.9	687	102	663	98.8
Total Heptachlorodibenzo-p-dioxin (Total HPCDD	671 ± 38.9	364 - 978	729	109	756	113	733	109
Total Heptachlorodibenzofuran (Total HPCDF)	766 ± 34.1	416 - 1120	647	84.5	688	89.8	654	85.4
1,2,3,4,7,8-Hxcdd	439 ± 17.6	236 - 642	356	81.1	385	87.7	385	87.7
1,2,3,6,7,8-Hxcdd	565 ± 26.1	306 - 824	483	85.5	531	94.0	473	83.7
1,2,3,7,8,9-Hxcdd	882 ± 31.0	480 - 1280	755	85.6	819	92.9	759	86.1
Hxcdd, total	1890 ± 61.6	1040 - 2740	1610	85.2	1750	92.6	1620	85.7
1,2,3,4,7,8-Hxcdf	49.9 ± 2.39	27.4 - 72.3	51.1	102	50.8	102	49.2	98.6
1,2,3,6,7,8-Hxcdf	605 ± 27.1	328 - 882	506	83.6	541	89.4	515	85.1
1,2,3,7,8,9-Hxcdf	892 ± 43.9	486 - 1300	772	86.5	825	92.5	814	91.3
2,3,4,6,7,8-Hxcdf	580 ± 21.2	314 - 846	491	84.7	524	90.3	501	86.4
Total Hexachlorodibenzofuran (Total HxCDF)	2130 ± 85.3	1170 - 3090	1820	85.4	1940	91.1	1890	88.7
1,2,3,4,6,7,8,9-OCDF	716 ± 68.2	286 - 1150	604	84.4	648	90.5	629	87.8
1,2,3,4,6,7,8,9-OCDD	800 ± 43.0	435 - 1160	875	109	866	108	897	112
1,2,3,7,8-Pecdd	151 ± 6.00	77.7 - 224	142	94.0	146	96.7	141	93.4
1,2,3,7,8-Pecdf	75.6 ± 7.49	0.00 - 299	9.32	12.3	8.78	11.6	6.6	8.7
2,3,4,7,8-Pecdf	620 ± 27.1	336 - 904	549	88.5	577	93.1	527	85.0
Pecdf, total	696 ± 17.3	378 - 1010	571	82.0	607	87.2	550	79.0
Pecdd, total	151 ± 5.60	77.7 - 224	142	94.0	148	98.0	141	93.4
2,3,7,8-TCDD	580 ± 27.0	314 - 846	492	84.8	520	89.7	496	85.5
2,3,7,8-TCDF	701 ± 34.5	381 - 1020	599	85.4	627	89.4	617	88.0

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCDD/PCDF - Polychlorinated Dibenzodioxin/ Polychlorinated Dibenzofuran

pg/g = Picogram per Gram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCDD/PCDF

Table G-1
RTC Dioxins and Furans in Soil, SQC 016, Lot 019400 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (pg/g)	Acceptance Limits (pg/g)		Reported Concentration (pg/g) 13B-1003-P1	Percent Recovery		Average Reported Value (pg/g)	Average Percent Recovery	Standard Deviation
1,2,3,4,6,7,8-Hpcdf	197 ± 12.3	103 - 291		172	87.3		170	86.3	5.1
1,2,3,4,7,8,9-Hpcdf	570 ± 27.2	308 - 832		470	82.5		482	84.5	15.6
1,2,3,4,6,7,8-Hpcdd	671 ± 32.8	364 - 978		664	99.0		662	98.6	16.4
Total Heptachlorodibenzo-p-dioxin (Total HPCDD	671 ± 38.9	364 - 978		735	110		733	109	17.0
Total Heptachlorodibenzofuran (Total HPCDF)	766 ± 34.1	416 - 1120		654	85.4		666	86.9	20.3
1,2,3,4,7,8-Hxcdd	439 ± 17.6	236 - 642		367	83.6		374	85.1	11.8
1,2,3,6,7,8-Hxcdd	565 ± 26.1	306 - 824		490	86.7		496	87.7	17.6
1,2,3,7,8,9-Hxcdd	882 ± 31.0	480 - 1280		792	89.8		785	89.0	24.2
Hxcdd, total	1890 ± 61.6	1040 - 2740		1670	88.4		1671	88.4	46.4
1,2,3,4,7,8-Hxcdf	49.9 ± 2.39	27.4 - 72.3		46.6	93.4		49	99.1	2.1
1,2,3,6,7,8-Hxcdf	605 ± 27.1	328 - 882		513	84.8		521	86.0	16.0
1,2,3,7,8,9-Hxcdf	892 ± 43.9	486 - 1300		774	86.8		790	88.5	22.9
2,3,4,6,7,8-Hxcdf	580 ± 21.2	314 - 846		499	86.0		507	87.4	12.4
Total Hexachlorodibenzofuran (Total HxCDF)	2130 ± 85.3	1170 - 3090		1840	86.4		1874	88.0	49.1
1,2,3,4,6,7,8,9-OCDF	716 ± 68.2	286 - 1150		632	88.3		630	88.0	17.2
1,2,3,4,6,7,8,9-OCDD	800 ± 43.0	435 - 1160		866	108		884	110	35.1
1,2,3,7,8-Pecdd	151 ± 6.00	77.7 - 224		142	94.0		141	93.7	4.2
1,2,3,7,8-Pecdf	75.6 ± 7.49	0.00 - 299		8.19	10.8		8.30	11.0	3.0
2,3,4,7,8-Pecdf	620 ± 27.1	336 - 904		541	87.3		550	88.7	24.4
Pecdf, total	696 ± 17.3	378 - 1010		568	81.6		576	82.7	26.0
Pecdd, total	151 ± 5.60	77.7 - 224		142	94.0		142	94.1	4.6
2,3,7,8-TCDD	580 ± 27.0	314 - 846		516	89.0		509	87.7	19.5
2,3,7,8-TCDF	701 ± 34.5	381 - 1020		619	88.3		625	89.1	27.8

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCDD/PCDF - Polychlorinated Dibenzodioxin/ Polychlorinated Dibenzofuran

pg/g = Picogram per Gram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCB Congeners

Table G-2
PCB Congeners in Soil Phenova Lot 7052-80 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-0930-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1002-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1007-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1015-P1	Percent Recovery
2,4'-Dichlorobiphenyl (PCB 8)	<1.0		0.099	-	0.0463	-	0.0718	-	0.098	-
2,2',5-Trichlorobiphenyl (PCB 18)	<1.0		0.206	-	0.053	-	0.0631	-	0.0826	-
2,4,4'-Trichlorobiphenyl (PCB 28)	19.2	7.68 - 30.7	20.4	106	16.7	87	17.8	93	17.4	91
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	<1.0		< 0.0149	-	0.0536	-	0.109	-	0.125	-
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	26.4	10.6 - 42.2	23.1	88	22.4	85	25.3	96	23.8	90
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	<1.0		0.118	-	0.091	-	0.0651	-	0.105	-
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	<1.0		< 0.0274	-	< 0.0254	-	< 0.00484	-	< 0.00988	-
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	30.4	12.2 - 48.6	31.7	104	30	99	31.7	104	29.9	98
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	11.2	4.48 - 17.9	10.3	92	9.84	88	10.8	96	10.1	90
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	22.4	8.96 - 35.8	23.6	105	21	94	23.9	107	23.4	104
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	<1.0		< 0.0166	-	< 0.0123	-	< 0.00163	-	< 0.00665	-
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	<1.0		0.552	-	0.162	-	0.0928	-	0.184	-
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	18.4	7.36 - 29.4	20.6	112	16.9	92	20.4	111	18.6	101
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	<1.0		0.178	-	0.174	-	0.153	-	0.131	-
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	<1.0		0.0861	-	< 0.0165	-	0.0132	-	0.0457	-
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	14.8	5.92 - 23.7	15.9	107	13.5	91	14.5	98	14.9	101
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	<1.0		0.231	-	0.113	-	0.0754	-	0.197	-
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	<1.0		3.16	-	2.92	-	3.44	-	3.13	-
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	2.88	1.15 - 4.61	3.16	110	2.92	101	3.44	119	3.13	109
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	<1.0		0.08	-	0.0806	-	0.0738	-	0.0675	-
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	20	8.00 - 32.0	18.3	92	19.5	98	21.6	108	19.4	97
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	<1.0		0.0359	-	< 0.0139	-	0.00876	-	0.0257	-
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	11.2	4.48 - 17.9	9.5	85	9.34	83	10.4	93	10.1	90
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	<1.0		0.067	-	0.0389	-	0.0412	-	0.0752	-
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	14	5.60 - 22.4	13.1	94	13	93	14.4	103	13	93
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	<1.0		< 0.0286	-	< 0.0195	-	< 0.00623	-	< 0.00781	-
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	<1.0		< 0.0281	-	< 0.0214	-	< 0.00487	-	< 0.0112	-
Decachlorobiphenyl (PCB 209)	<1.0		< 0.0282	-	< 0.0189	-	0.00795	-	0.00825	-
Total PCBs	168	67.4 - 270	195	116	178	106	197	117	188	112

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCB = Polychlorinated Biphenyl

ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCB Congeners

Table G-2
PCB Congeners in Soil Phenova Lot 7052-80 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-1016-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1017-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1010-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1009-P1	Percent Recovery
2,4'-Dichlorobiphenyl (PCB 8)	<1.0		0.0419	-	0.0565	-	0.043	-	0.0721	-
2,2',5-Trichlorobiphenyl (PCB 18)	<1.0		0.0362	-	0.0363	-	0.0332	-	0.0587	-
2,4,4'-Trichlorobiphenyl (PCB 28)	19.2	7.68 - 30.7	15.5	81	16.5	86	14.2	74	17	89
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	<1.0		0.0482	-	0.056	-	0.229	-	0.088	-
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	26.4	10.6 - 42.2	21.9	83	24.5	93	19.5	74	23.9	91
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	<1.0		0.0602	-	< 0.0133	-	0.0406	-	0.0999	-
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	<1.0		< 0.00949	-	< 0.0165	-	< 0.0178	-	< 0.00905	-
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	30.4	12.2 - 48.6	28.6	94	27.7	91	25.1	83	28.3	93
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	11.2	4.48 - 17.9	9.47	85	9.45	84	7.23	65	9.72	87
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	22.4	8.96 - 35.8	20.8	93	21.7	97	20.9	93	22.1	99
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	<1.0		< 0.00606	-	< 0.00911	-	< 0.0093	-	< 0.00565	-
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	<1.0		0.125	-	0.0971	-	0.117	-	0.234	-
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	18.4	7.36 - 29.4	18.5	101	16	87	14.7	80	18.3	99
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	<1.0		0.125	-	0.135	-	0.129	-	0.136	-
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	<1.0		0.016	-	< 0.0128	-	< 0.0121	-	0.0226	-
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	14.8	5.92 - 23.7	13.8	93	12.2	82	11.7	79	14	95
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	<1.0		0.0927	-	0.0912	-	0.0808	-	0.128	-
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	<1.0		3.14	-	2.82	-	2.51	-	3.12	-
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	2.88	1.15 - 4.61	3.14	109	2.82	98	2.51	87	3.12	108
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	<1.0		0.061	-	0.0721	-	0.0551	-	0.0727	-
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	20	8.00 - 32.0	19	95	17.3	87	17.5	88	19.8	99
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	<1.0		0.00907	-	< 0.0111	-	< 0.0101	-	< 0.00926	-
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	11.2	4.48 - 17.9	9.35	83	8.69	78	8.01	72	9.93	89
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	<1.0		0.0418	-	0.0315	-	0.0292	-	0.0471	-
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	14	5.60 - 22.4	13.4	96	12	86	10.9	78	13.7	98
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	<1.0		< 0.0097	-	< 0.0132	-	< 0.00912	-	< 0.00797	-
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	<1.0		< 0.0119	-	< 0.0184	-	< 0.0164	-	< 0.00863	-
Decachlorobiphenyl (PCB 209)	<1.0		< 0.0137	-	< 0.011	-	< 0.00742	-	< 0.00629	-
Total PCBs	168	67.4 - 270	176	105	171	102	154	92	183	109

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

PCB = Polychlorinated Biphenyl

ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCB Congeners

Table G-2
PCB Congeners in Soil Phenova Lot 7052-80 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-1014-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1004-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1008-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1003-P1	Percent Recovery
2,4'-Dichlorobiphenyl (PCB 8)	<1.0		0.0521	-	0.0504	-	0.0744	-	0.0763	-
2,2',5-Trichlorobiphenyl (PCB 18)	<1.0		0.0455	-	0.0455	-	0.0512	-	0.0634	-
2,4,4'-Trichlorobiphenyl (PCB 28)	19.2	7.68 - 30.7	16.8	88	15	78	16.5	86	15.6	81
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	<1.0		0.0667	-	0.0446	-	0.0521	-	0.0649	-
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	26.4	10.6 - 42.2	23.5	89	21.7	82	24.8	94	21.1	80
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	<1.0		0.081	-	0.0728	-	0.0727	-	0.0892	-
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	<1.0		< 0.0115	-	< 0.00822	-	0.0385	-	< 0.00574	-
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	30.4	12.2 - 48.6	28.2	93	24.9	82	30.1	99	29.5	97
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	11.2	4.48 - 17.9	9.7	87	8.75	78	9.53	85	9.31	83
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	22.4	8.96 - 35.8	22.7	101	19.4	87	22.9	102	23.4	104
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	<1.0		< 0.00701	-	< 0.00703	-	< 0.00973	-	< 0.0036	-
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	<1.0		0.155	-	0.0863	-	0.0913	-	0.119	-
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	18.4	7.36 - 29.4	18	98	14.6	79	18.5	101	18.8	102
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	<1.0		0.152	-	0.123	-	0.156	-	0.14	-
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	<1.0		0.025	-	0.0108	-	< 0.0112	-	0.026	-
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	14.8	5.92 - 23.7	13.7	93	12.7	86	14.2	96	14.4	97
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	<1.0		0.101	-	0.0868	-	0.0786	-	0.117	-
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	<1.0		3.06	-	2.58	-	3.18	-	3.2	-
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	2.88	1.15 - 4.61	3.06	106	2.58	90	3.18	110	3.2	111
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	<1.0		0.0754	-	0.0606	-	0.0853	-	0.075	-
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	20	8.00 - 32.0	18.7	94	15.8	79	19.7	99	19.5	98
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	<1.0		< 0.00833	-	< 0.00901	-	< 0.0156	-	0.0168	-
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	11.2	4.48 - 17.9	9.27	83	9.11	81	9.51	85	10.1	90
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	<1.0		0.0489	-	0.0412	-	0.0512	-	0.0547	-
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	14	5.60 - 22.4	12.8	91	11.2	80	14	100	15.9	114
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	<1.0		< 0.0104	-	< 0.00982	-	< 0.0119	-	< 0.00639	-
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	<1.0		< 0.0134	-	< 0.0147	-	< 0.0176	-	< 0.00603	-
Decachlorobiphenyl (PCB 209)	<1.0		< 0.00994	-	< 0.0104	-	< 0.0114	-	0.00755	-
Total PCBs	168	67.4 - 270	179	107	158	94	186	111	184	110

Notes:
[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
PCB = Polychlorinated Biphenyl
ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PCB Congeners

Table G-2
PCB Congeners in Soil Phenova Lot 7052-80 (SGS-Analytical Perspectives)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)		Average Reported Concentration (ug/Kg)	Average Percent Recovery	Standard Deviation
2,4'-Dichlorobiphenyl (PCB 8)	<1.0					
2,2',5-Trichlorobiphenyl (PCB 18)	<1.0					
2,4,4'-Trichlorobiphenyl (PCB 28)	19.2	7.68 - 30.7		16.9	88	1.6
2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	<1.0					
2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	26.4	10.6 - 42.2		22.9	87	1.7
2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	<1.0					
3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	<1.0					
3,4,4',5-Tetrachlorobiphenyl (PCB 81)	30.4	12.2 - 48.6		29.2	96	2.2
2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	11.2	4.48 - 17.9		9.6	86	0.9
2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	22.4	8.96 - 35.8		22.2	99	1.4
2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	<1.0					
2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	<1.0					
2,3',4,4',5'-Pentachlorobiphenyl (PCB 123)	18.4	7.36 - 29.4		18.0	98	1.9
3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	<1.0					
2,2',3,3',4,4'-Hexachlorobiphenyl (PCB 128)	<1.0					
2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	14.8	5.92 - 23.7		13.8	93	1.2
2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	<1.0					
2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	<1.0					
2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	2.88	1.15 - 4.61		3.0	105	0.3
2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	<1.0					
3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	20	8.00 - 32.0		18.9	95	1.5
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	<1.0					
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	11.2	4.48 - 17.9		9.3	83	0.7
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	<1.0					
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	14	5.60 - 22.4		12.8	92	1.4
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	<1.0					
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	<1.0					
Decachlorobiphenyl (PCB 209)	<1.0					
Total PCBs	168	67.4 - 270		179.9	107	13.1

Notes:
[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
PCB = Polychlorinated Biphenyl
ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PAHs

Table G-3
PAHs Phenova Lot 7051-22 (TestAmerica, Knoxville, TN)

Analyte	Certified Valuea (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-0930-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1002-P1 13B-1002-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1007-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1015-P1
Acenaphthene	509	69.8 - 620	479	94	474	93	410	81	479
Acenaphthylene	336	33.6 - 471	277	82	289	86	253	75	281
Anthracene	591	92.4 - 828	582	98	539	91	562	95	527
Benzo(a)anthracene	200	60.9 - 255	190	95	178	89	186	93	183
Benzo(b)fluoranthene	362	117 - 398	321	89	303	84	311	86	318
Benzo(k)fluoranthene	402	114 - 470	388	97	368	92	375	93	372
Benzo(g,h,i)perylene	277	27.7 - 353	249	90	226	82	231	83	236
Benzo(a)pyrene	207	37.5 - 265	196	95	185	89	189	91	189
Chrysene	101	23.4 - 152	110	109	112	111	105	104	105
Dibenz(a,h)anthracene	248	55.3 - 329	240	97	230	93	232	94	240
Fluoranthene	527	140 - 618	490	93	478	91	486	92	479
Fluorene	314	58.6 - 407	292	93	303	96	255	81	290
Indeno(1,2,3-cd)pyrene	187	28.7 - 240	183	98	176	94	179	96	183
2-Methylnaphthalene	446	44.6 - 847	397	89	407	91	405	91	394
Naphthalene	707	70.7 - 984	697	99	682	96	664	94	666
Phenanthrene	759	213 - 983	757	100	747	98	753	99	750
Pyrene	99	26.0 - 141	99.7	101	97.6	99	98.6	100	96.3

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram
PAH = Polycyclic Aromatic Hydrocarbons

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PAHs

Table G-3
PAHs Phenova Lot 7051-22 (TestAmerica, Knoxville, TN)

Analyte	Certified Valuea (ug/Kg)	Acceptance Limits (ug/Kg)	Percent Recovery	Reported Concentration (ug/Kg) 13B-1016-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1017-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1010-P1	Percent Recovery
Acenaphthene	509	69.8 - 620	94	468	92	482	95	412	81
Acenaphthylene	336	33.6 - 471	84	271	81	277	82	231	69
Anthracene	591	92.4 - 828	89	551	93	603	102	521	88
Benzo(a)anthracene	200	60.9 - 255	92	189	95	185	93	189	95
Benzo(b)fluoranthene	362	117 - 398	88	337	93	304	84	317	88
Benzo(k)fluoranthene	402	114 - 470	93	344	86	405	101	379	94
Benzo(g,h,i)perylene	277	27.7 - 353	85	236	85	254	92	247	89
Benzo(a)pyrene	207	37.5 - 265	91	210	101	201	97	202	98
Chrysene	101	23.4 - 152	104	99.2	98	128	127	117	116
Dibenz(a,h)anthracene	248	55.3 - 329	97	236	95	239	96	230	93
Fluoranthene	527	140 - 618	91	472	90	499	95	492	93
Fluorene	314	58.6 - 407	92	284	90	299	95	250	80
Indeno(1,2,3-cd)pyrene	187	28.7 - 240	98	181	97	191	102	185	99
2-Methylnaphthalene	446	44.6 - 847	88	392	88	456	102	383	86
Naphthalene	707	70.7 - 984	94	659	93	716	101	658	93
Phenanthrene	759	213 - 983	99	734	97	800	105	745	98
Pyrene	99	26.0 - 141	97	95.8	97	103	104	109	110

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram
PAH = Polycyclic Aromatic Hydrocarbons

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PAHs

Table G-3
PAHs Phenova Lot 7051-22 (TestAmerica, Knoxville, TN)

Analyte	Certified Valuea (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-1009-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1014-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1004-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1008-P1
Acenaphthene	509	69.8 - 620	483	95	400	79	468	92	442
Acenaphthylene	336	33.6 - 471	288	86	226	67	262	78	250
Anthracene	591	92.4 - 828	533	90	528	89	547	93	552
Benzo(a)anthracene	200	60.9 - 255	186	93	181	91	187	94	188
Benzo(b)fluoranthene	362	117 - 398	303	84	334	92	310	86	320
Benzo(k)fluoranthene	402	114 - 470	352	88	337	84	363	90	375
Benzo(g,h,i)perylene	277	27.7 - 353	229	83	237	86	225	81	244
Benzo(a)pyrene	207	37.5 - 265	190	92	191	92	184	89	201
Chrysene	101	23.4 - 152	118	117	104	103	107	106	108
Dibenz(a,h)anthracene	248	55.3 - 329	224	90	238	96	229	92	250
Fluoranthene	527	140 - 618	478	91	475	90	476	90	493
Fluorene	314	58.6 - 407	293	93	244	78	280	89	261
Indeno(1,2,3-cd)pyrene	187	28.7 - 240	171	91	182	97	174	93	190
2-Methylnaphthalene	446	44.6 - 847	393	88	382	86	404	91	411
Naphthalene	707	70.7 - 984	656	93	639	90	675	95	649
Phenanthrene	759	213 - 983	743	98	744	98	738	97	772
Pyrene	99	26.0 - 141	101	102	96	97	96.8	98	100

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram
PAH = Polycyclic Aromatic Hydrocarbons

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
PAHs

Table G-3
PAHs Phenova Lot 7051-22 (TestAmerica, Knoxville, TN)

Analyte	Certified Valuea (ug/Kg)	Acceptance Limits (ug/Kg)		Percent Recovery		Reported Concentration (ug/Kg) 13B-1003-P1	Percent Recovery		Average Reported Concentration (ug/Kg)	Average Percent Recovery	Standard Deviation
Acenaphthene	509	69.8 - 620		87		511	107		459	90	34.9
Acenaphthylene	336	33.6 - 471		74		291	104		266	79	22.1
Anthracene	591	92.4 - 828		93		600	114		554	94	27.9
Benzo(a)anthracene	200	60.9 - 255		94		190	104		186	93	3.7
Benzo(b)fluoranthene	362	117 - 398		88		325	102		317	88	11.4
Benzo(k)fluoranthene	402	114 - 470		93		355	95		368	91	19.0
Benzo(g,h,i)perylene	277	27.7 - 353		88		237	100		238	86	9.3
Benzo(a)pyrene	207	37.5 - 265		97		190	101		194	94	7.9
Chrysene	101	23.4 - 152		107		116	110		111	110	7.9
Dibenz(a,h)anthracene	248	55.3 - 329		101		239	100		236	95	6.9
Fluoranthene	527	140 - 618		94		493	103		484	92	8.9
Fluorene	314	58.6 - 407		83		305	105		280	89	21.6
Indeno(1,2,3-cd)pyrene	187	28.7 - 240		102		181	99		181	97	5.9
2-Methylnaphthalene	446	44.6 - 847		92		414	105		403	90	19.5
Naphthalene	707	70.7 - 984		92		689	103		671	95	21.9
Phenanthrene	759	213 - 983		102		776	103		755	99	18.9
Pyrene	99	26.0 - 141		101		101	105		100	101	3.8

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram
PAH = Polycyclic Aromatic Hydrocarbons

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
Pesticides

Table G-4
Pesticides Phenova Lot 7051-14 (TestAmerica, West Sacramento, CA)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-0930-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1002-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1007-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1015-P1
Aldrin	342	96.9 - 425	160	47	200	58	160	47	160
alpha-BHC	446	127 - 558	170	38	210	47	170	38	170
beta-BHC	221	39.2 - 314	91	41	110	50	89	40	91
delta-BHC	149	27.9 - 206	59	40	68	8i	58	39	60
gamma-BHC (Lindane)	347	88.6 - 427	130	37	150	43	120	35	130
alpha-Chlordane	234	72.9 - 290	110	47	130	56	110	47	120
gamma-Chlordane	124	40.7 - 154	61	49	72	58	58	47	61
4,4'-DDD	339	115 - 452	150	44	180	53	140	41	170
4,4'-DDE	454	155 - 585	220	48	270	59	210	46	210
4,4'-DDT	366	89.9 - 508	170	46	190	52	150	41	180
Dieldrin	205	59.3 - 256	89	43	100	49	87	42	93
Endosulfan I	320	48.8 - 352	80	25	90	28	80	25	89
Endosulfan II	394	72.2 - 434	120	30	120	30	120	30	120
Endosulfan Sulfate	445	87.0 - 561	160	36	150	34	150	34	180
Endrin	157	50.0 - 201	66	42	68	43	62	39	70
Endrin Aldehyde	362	36.2 - 398	120	33	96	27	89	25	110
Endrin Ketone	314	67.7 - 375	120	38	100	32	99	32	110
Heptachlor	62.9	15.7 - 87.1	30	48	34	54	28	45	29
Heptachlor Epoxide	233	73.1 - 284	110	47	120	52	110	47	110
Methoxychlor	247	24.7 - 412	110	45	98	40	92	37	100

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
Pesticides

Table G-4
Pesticides Phenova Lot 7051-14 (TestAmerica, West Sacramento, CA)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Percent Recovery	Reported Concentration (ug/Kg) 13B-1016-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1017-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1010-P1	Percent Recovery
Aldrin	342	96.9 - 425	47	210	61	230	67	160	47
alpha-BHC	446	127 - 558	38	220	49	250	56	170	38
beta-BHC	221	39.2 - 314	41	120	54	130	59	96	43
delta-BHC	149	27.9 - 206	40	76	51	79	53	59	40
gamma-BHC (Lindane)	347	88.6 - 427	37	160	46	180	52	130	37
alpha-Chlordane	234	72.9 - 290	51	140	60	140	60	110	47
gamma-Chlordane	124	40.7 - 154	49	76	61	77	62	59	48
4,4'-DDD	339	115 - 452	50	200	59	200	59	150	44
4,4'-DDE	454	155 - 585	46	280	62	300	66	210	46
4,4'-DDT	366	89.9 - 508	49	220	60	200	55	160	44
Dieldrin	205	59.3 - 256	45	110	54	110	54	86	42
Endosulfan I	320	48.8 - 352	28	100	31	98	31	77	24
Endosulfan II	394	72.2 - 434	30	140	36	130	33	110	28
Endosulfan Sulfate	445	87.0 - 561	40	190	43	160	36	140	31
Endrin	157	50.0 - 201	45	80	51	76	48	56	36
Endrin Aldehyde	362	36.2 - 398	30	110	30	86	24	90	25
Endrin Ketone	314	67.7 - 375	35	130	41	110	35	100	32
Heptachlor	62.9	15.7 - 87.1	46	37	59	39	62	28	45
Heptachlor Epoxide	233	73.1 - 284	47	130	56	130	56	110	47
Methoxychlor	247	24.7 - 412	40	130	53	110	45	100	40

Notes:

[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.

ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
Pesticides

Table G-4
Pesticides Phenova Lot 7051-14 (TestAmerica, West Sacramento, CA)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Reported Concentration (ug/Kg) 13B-1009-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1014-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1004-P1	Percent Recovery	Reported Concentration (ug/Kg) 13B-1008-P1
Aldrin	342	96.9 - 425	180	53	200	58	260	76	180
alpha-BHC	446	127 - 558	200	45	220	49	250	56	180
beta-BHC	221	39.2 - 314	110	50	120	54	150	68	92
delta-BHC	149	27.9 - 206	69	46	74	50	90	60	60
gamma-BHC (Lindane)	347	88.6 - 427	150	43	160	46	180	52	130
alpha-Chlordane	234	72.9 - 290	130	56	140	60	180	77	120
gamma-Chlordane	124	40.7 - 154	68	55	75	60	95	77	65
4,4'-DDD	339	115 - 452	170	50	200	59	260	77	150
4,4'-DDE	454	155 - 585	250	55	260	57	340	75	240
4,4'-DDT	366	89.9 - 508	190	52	200	55	280	77	170
Dieldrin	205	59.3 - 256	97	47	110	54	140	68	94
Endosulfan I	320	48.8 - 352	88	28	99	31	120	38	83
Endosulfan II	394	72.2 - 434	130	33	150	38	170	43	120
Endosulfan Sulfate	445	87.0 - 561	170	38	210	47	250	56	160
Endrin	157	50.0 - 201	70	45	79	50	98	62	69
Endrin Aldehyde	362	36.2 - 398	99	27	120	33	160	44	110
Endrin Ketone	314	67.7 - 375	120	38	130	41	170	54	110
Heptachlor	62.9	15.7 - 87.1	32	51	35	56	45	72	31
Heptachlor Epoxide	233	73.1 - 284	120	52	130	56	160	69	110
Methoxychlor	247	24.7 - 412	120	49	110	45	180	73	110

Notes:
[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram

Appendix G
LRC SSP2 In-Program Performance Evaluation Sample Results
Pesticides

Table G-4
Pesticides Phenova Lot 7051-14 (TestAmerica, West Sacramento, CA)

Analyte	Certified Value[a] (ug/Kg)	Acceptance Limits (ug/Kg)	Percent Recovery	Reported Concentration (ug/Kg) 13B-1003-P1	Percent Recovery	Average Reported Concentration (ug/Kg)	Average Recovery (%)	Standard Deviation
Aldrin	342	96.9 - 425	53	170	50	189	55	32.0
alpha-BHC	446	127 - 558	40	190	43	200	45	30.2
beta-BHC	221	39.2 - 314	42	100	45	108	49	18.9
delta-BHC	149	27.9 - 206	40	66	44	68	46	10.0
gamma-BHC (Lindane)	347	88.6 - 427	37	140	40	147	42	20.2
alpha-Chlordane	234	72.9 - 290	51	120	51	129	55	19.8
gamma-Chlordane	124	40.7 - 154	52	65	52	69	56	10.5
4,4'-DDD	339	115 - 452	44	170	50	178	53	33.3
4,4'-DDE	454	155 - 585	53	240	53	253	56	40.3
4,4'-DDT	366	89.9 - 508	46	190	52	192	52	33.8
Dieldrin	205	59.3 - 256	46	95	46	101	49	15.1
Endosulfan I	320	48.8 - 352	26	89	28	91	28	11.9
Endosulfan II	394	72.2 - 434	30	120	30	129	33	16.8
Endosulfan Sulfate	445	87.0 - 561	36	160	36	173	39	30.8
Endrin	157	50.0 - 201	44	69	44	72	46	10.6
Endrin Aldehyde	362	36.2 - 398	30	110	30	108	30	20.0
Endrin Ketone	314	67.7 - 375	35	110	35	117	37	19.7
Heptachlor	62.9	15.7 - 87.1	49	31	49	33	53	5.1
Heptachlor Epoxide	233	73.1 - 284	47	110	47	121	52	15.1
Methoxychlor	247	24.7 - 412	45	120	49	115	47	23.1

Notes:
[a] The certified value is the robust statistical mean when prepared according to instructions from an Interlaboratory Study or are based on historical Interlaboratory results.
ug/Kg = Microgram per Kilogram

Appendix I

Sediment Sample Results Summary

APPENDIX I
INVENTORY

Analysis Abbreviation	Analysis Definition
AVS/SEM	AVS/SEM
Butyltins	Butyltins
Cyanide	Cyanide
Grain Size	Grain Size
Mercury	Low Level Mercury
TAL Metals+Titanium	TAL Metals, Titanium
Moisture	Percent Moisture
N-TKN-P	Ammonia, TKN, Phosphorous
PAHs-HR	PAHs-HRGC/LRMS-SIM
PCB-Congener	PCB Congeners
PCB-Homolog	PCB Homologs
PCDDF	PCDDs/PCDFs
Pesticide-HR	Organochlorine Pesticides (HRGC/HRMS)
Rad-Po210-Cs137	Ra-226, Pb-210 as Po-210, Cs-137
Specific Gravity	Specific Gravity
Sulfide	Total Sulfide
SVOC	Semivolatile Organics
TOC	TOC
TPH	TPH Extractables
LRC SSP2 Report Totals	Totals for TEQ, PAHs, PCBs, Chlordane and DDx

APPENDIX I
DATA RESULTS SUMMARY
AVS SEM

	Analytic Method	821R91100	SW6010	SW6010	SW6010	SW6010	SW6010	SW7470A
	Analyte	Acid Volatile Sulfide (AVS)	Cadmium	Copper	Lead	Nickel	Zinc	Mercury
	Unit	umol/g	umol/g	umol/g	umol/g	umol/g	umol/g	umol/g
	Minimum Detect	0.02	0.00063	0.045	0.0641	0.009	0.233	1.6E-05
	Maximum Detect	12.5	0.09338	1.57	1.92	0.398	162	0.008273
	Mean of Detects	1.09	0.00867	0.444	0.289	0.0533	6.07	0.00106
	St. Dev. of Detects	1.93	0.0120	0.336	0.261	0.0552	23.5	0.00273
	CV of Detects	1.76	1.38	0.758	0.900	1.04	3.87	2.58
	% Detected	97.4	100	100	100	100	100	10.5
Sample ID	**Depth Interval**							
13B-0501-G2AS	0 - 0.5 ft	1.15	0.00284	0.156	0.119	0.0274	0.744	0.000016 J
13B-0502-G1AS	0 - 0.5 ft	0.32	0.00292	0.188	0.128 J	0.0197	0.737 J	0.000069 U
13B-0502-G1AT	0 - 0.5 ft	0.149	0.00180	0.121	0.0686 J	0.0124	0.419 J	0.000086 U
13B-0503-G1AS	0 - 0.5 ft	0.081	0.00148	0.0976	0.0670	0.0133	0.399	0.000063 U
13B-0504-G1AS	0 - 0.5 ft	1.76 J	0.00557 J	0.191 J	0.167 J	0.0457 J	1.4100 J	0.000182 UJ
13B-0505-G2AS	0 - 0.5 ft	0.38 J	0.00867 J	0.612 J	0.337 J	0.0587 J	2.1400 J	0.000211 UJ
13B-0506-G1AS	0 - 0.5 ft	1.28	0.00284	0.111	0.106	0.0241	0.833	0.000116 U
13B-0507-G1AS	0 - 0.5 ft	0.49	0.00305	0.173	0.125	0.0289	0.793	0.000022 J
13B-0508-G3AS	0 - 0.5 ft	0.025 U	0.00092	0.0929	0.0680	0.0115	0.368	0.000098 U
13B-0511-G1AS	0 - 0.5 ft	1.42 J	0.01108 J	0.7248 J	0.4064 J	0.07448 J	2.61507 J	0.000254 UJ
13B-0511-G1AT	0 - 0.5 ft	1.93 J	0.01477 J	0.9565 J	0.5258 J	0.09369 J	3.36508 J	0.000246 UJ
13B-0512-G1AS	0 - 0.5 ft	0.87 J	0.00960 J	0.628 J	0.336 J	0.0546 J	2.1900 J	0.000182 UJ
13B-0513-G1AS	0 - 0.5 ft	2.67 J	0.01958 J	1.2200 J	0.628 J	0.122 J	4.1400 J	0.000198 UJ
13B-0514-G1AS	0 - 0.5 ft	2.23 J	0.01037 J	0.532 J	0.367 J	0.0576 J	2.5400 J	0.000171 UJ
13B-0515-G1AS	0 - 0.5 ft	1.78 J	0.00770 J	0.4092 J	0.2723 J	0.05373 J	1.88769 J	0.000183 UJ
13B-0516-G2AS	0 - 0.5 ft	0.026 J	0.00397 J	0.2186 J	0.1598 J	0.02519 J	1.09858 J	0.000168 UJ
13B-0517-G2AS	0 - 0.5 ft	0.025 U	0.00063	0.114	0.0641	0.0090	0.233	0.000026 J
13B-0518-G1AS	0 - 0.5 ft	0.21 J	0.00284 J	0.1701 J	0.1353 J	0.01922 J	0.8077 J	0.000074 U
13B-0519-G1AS	0 - 0.5 ft	0.161	0.00296	0.195	0.130	0.0199	0.819	0.000105 U
13B-0520-G1AS	0 - 0.5 ft	0.050 J	0.00459 J	0.295 J	0.169 J	0.0274 J	1.1400 J	0.000080 UJ
13B-0521-G1AS	0 - 0.5 ft	0.27	0.00335	0.1843	0.1369	0.02389	0.9164	0.000084 U
13B-0522-G1AS	0 - 0.5 ft	0.239 J	0.00698 J	0.390 J	0.259 J	0.0442 J	1.8300 J	0.000142 UJ
13B-0523-G2AS	0 - 0.5 ft	0.115 J	0.00643 J	0.605 J	0.264 J	0.0451 J	1.5900 J	0.008273 J
13B-0524-G1AS	0 - 0.5 ft	1.45 J	0.01051 J	0.5676 J	0.3539 J	0.06429 J	2.74459 J	0.000165 UJ
13B-0525-G1AS	0 - 0.5 ft	1.82 J	0.00890 J	0.3373 J	0.2915 J	0.05149 J	162 J	0.000170 UJ
13B-0526-G1AS	0 - 0.5 ft	0.54 J	0.00446 J	0.2659 J	0.1704 J	0.03327 J	1.10933 J	0.000080 U
13B-0527-G1AS	0 - 0.5 ft	0.40 J	0.00650 J	0.3950 J	0.2243 J	0.03987 J	1.52056 J	0.000155 UJ
13B-0528-G2AS	0 - 0.5 ft	0.55 J	0.01069 J	0.7052 J	0.3762 J	0.06184 J	2.47525 J	0.000208 UJ
13B-0529-G1AS	0 - 0.5 ft	0.020 J	0.00179	0.1054	0.0723	0.01354 J	0.4777	0.000073 U
13B-0530-G2AS	0 - 0.5 ft	1.10 J	0.01573	1.0400	0.546	0.0900	3.5100	0.000245 U
13B-0531-G1AS	0 - 0.5 ft	0.385	0.00353	0.236	0.135	0.0284	0.910	0.000085 U
13B-0532-G1AS	0 - 0.5 ft	0.44	0.00823	0.5323	0.2864	0.05074	1.91781	0.000135 U
13B-0533-G1AS	0 - 0.5 ft	2.04 J	0.02493 J	1.5700 J	0.765 J	0.154 J	4.9700 J	0.000047 J
13B-0534-G1AS	0 - 0.5 ft	2.39 J	0.01733 J	1.07744 J	0.5656 J	0.10351 J	3.78368 J	0.000217 UJ
13B-0535-G1AS	0 - 0.5 ft	0.107 J	0.00405 J	0.2361 J	0.1473 J	0.02564 J	1.00138 J	0.000143 UJ
13B-0536-G1AS	0 - 0.5 ft	0.81 J	0.00528 J	0.2513 J	0.1778 J	0.03206 J	1.31611 J	0.000127 U
13B-0537-G2AS	0 - 0.5 ft	0.33	0.00403	0.256	0.148	0.0244	0.982	0.000107 U
13B-0538-G1AS	0 - 0.5 ft	1.61 J	0.01214 J	0.690 J	0.424 J	0.0761 J	2.8400 J	0.000185 UJ
13B-0539-G2AS	0 - 0.5 ft	0.313 J	0.00677 J	0.493 J	0.240 J	0.0380 J	1.5100 J	0.000171 U
13B-0540-G2AS	0 - 0.5 ft	5.09 J	0.02277 J	1.0700 J	0.740 J	0.130 J	5.6200 J	0.000243 UJ
13B-0541-G1AS	0 - 0.5 ft	0.022 J	0.00570 J	0.3383 J	0.1898 J	0.03840 J	132 J	0.000196 UJ
13B-0542-G1AS	0 - 0.5 ft	1.66 J	0.00143 J	0.0450 J	0.2641 J	0.01919 J	26.4 J	0.000095 U
13B-0543-G1AS	0 - 0.5 ft	0.97 J	0.01051 J	0.5826 J	0.3460 J	0.06766 J	2.50042 J	0.000212 UJ
13B-0544-G1AS	0 - 0.5 ft	0.123 J	0.00423	0.289	0.152	0.0242	0.967	0.000118 U
13B-0546-G2AS	0 - 0.5 ft	0.313	0.00577 J	0.342 J	0.176 J	0.0327 J	1.1600	0.000079 U
13B-0547-G1AS	0 - 0.5 ft	0.16	0.00911	0.605	0.302	0.0529	1.9700	0.000279 U
13B-0548-G1AS	0 - 0.5 ft	0.30	0.00546	0.358	0.191	0.0299	1.2600	0.000126 U
13B-0549-G1AS	0 - 0.5 ft	1.07 J	0.01153 J	0.711 J	0.427 J	0.0706 J	2.9800 J	0.000150 UJ
13B-0550-G1AS	0 - 0.5 ft	3.02	0.01140	0.536	0.509	0.0802	3.5200	0.000028 J
13B-0551-G2AS	0 - 0.5 ft	1.37	0.00489 J	0.171 J	0.190 J	0.0360 J	1.6700	0.000115 U
13B-0552-G2AS	0 - 0.5 ft	0.93 J	0.01584 J	1.0200 J	0.524 J	0.0825 J	3.4900 J	0.000270 UJ
13B-0553-G2AS	0 - 0.5 ft	0.31 J	0.00547 J	0.331 J	0.193 J	0.0328 J	1.3400 J	0.000139 U
13B-0553-G2AT	0 - 0.5 ft	1.66 J	0.01109 J	0.650 J	0.374 J	0.0627 J	2.5800 J	0.000139 U
13B-0554-G2AS	0 - 0.5 ft	0.028 J	0.00315	0.203	0.110	0.0182	0.736	0.000110 U
13B-0555-G1AS	0 - 0.5 ft	10.2 J	0.04853 J	1.5600 J	1.0200 J	0.267 J	8.7900 J	0.000166 UJ
13B-0556-G1AS	0 - 0.5 ft	0.044 J	0.00326 J	0.1861 J	0.1234 J	0.01990 J	0.8547 J	0.000149 UJ
13B-0557-G1AS	0 - 0.5 ft	0.38 J	0.00632 J	0.372 J	0.251 J	0.0430 J	1.8000 J	0.000157 UJ
13B-0558-G1AS	0 - 0.5 ft	0.435	0.00308	0.133	0.135	0.0314	1.1200	0.000083 U
13B-0559-G1AS	0 - 0.5 ft	0.22	0.00304	0.200	0.142	0.0284	0.986	0.000081 U
13B-0560-G1AS	0 - 0.5 ft	0.39	0.00354	0.238	0.161	0.0313	1.2200	0.000100 U
13B-0561-G3AS	0 - 0.5 ft	0.081	0.00163	0.0911	0.0931	0.0159	0.680	0.000087 U
13B-0562-G2AS	0 - 0.5 ft	0.119	0.00240	0.163	0.139	0.0232	0.895	0.000089 U
13B-0563-G1AS	0 - 0.5 ft	0.183	0.00298	0.154	0.154	0.0252	1.0600	0.000075 U
13B-0564-G2AS	0 - 0.5 ft	0.38 J	0.00526 J	0.484 J	0.317 J	0.0850 J	2.1300 J	0.000269 UJ
13B-0565-G1AS	0 - 0.5 ft	1.50 J	0.00612 J	0.358 J	0.266 J	0.0479 J	1.5700 J	0.000022 J
13B-0566-G3AS	0 - 0.5 ft	0.57	0.00332 J	0.222 J	0.157 J	0.0270 J	0.927	0.000020 J
13B-0567-G2AS	0 - 0.5 ft	0.822 J	0.00995 J	0.498 J	0.336 J	0.0618 J	2.4900 J	0.000137 UJ
13B-0568-G2AS	0 - 0.5 ft	12.5 J	0.09338 J	0.942 J	1.9200 J	0.398 J	7.6200 J	0.000158 UJ
13B-0570-G3AS	0 - 0.5 ft	1.66 J	0.01950 J	1.09952 J	0.6243 J	0.10596 J	4.14882 J	0.000275 UJ

APPENDIX I
DATA RESULTS SUMMARY
AVS SEM

	Analytic Method	**821R91100**	**SW6010**	**SW6010**	**SW6010**	**SW6010**	**SW6010**	**SW7470A**
	Analyte	**Acid Volatile Sulfide (AVS)**	**Cadmium**	**Copper**	**Lead**	**Nickel**	**Zinc**	**Mercury**
	Unit	**umol/g**	**umol/g**	**umol/g**	**umol/g**	**umol/g**	**umol/g**	**umol/g**
	Minimum Detect	**0.02**	**0.00063**	**0.045**	**0.0641**	**0.009**	**0.233**	**1.6E-05**
	Maximum Detect	**12.5**	**0.09338**	**1.57**	**1.92**	**0.398**	**162**	**0.008273**
	Mean of Detects	**1.09**	**0.00867**	**0.444**	**0.289**	**0.0533**	**6.07**	**0.00106**
	St. Dev. of Detects	**1.93**	**0.0120**	**0.336**	**0.261**	**0.0552**	**23.5**	**0.00273**
	CV of Detects	**1.76**	**1.38**	**0.758**	**0.900**	**1.04**	**3.87**	**2.58**
	% Detected	**97.4**	**100**	**100**	**100**	**100**	**100**	**10.5**
Sample ID	**Depth Interval**							
13B-0571-G2AS	0 - 0.5 ft	0.85 J	0.00806 J	0.4776 J	0.2846 J	0.05013 J	2.04399 J	0.000159 UJ
13B-0573-G3AS	0 - 0.5 ft	0.24	0.00332	0.225 J	0.142	0.0252	1.0100	0.000073 U
13B-0573-G3AT	0 - 0.5 ft	0.285 J	0.00550 J	0.385 J	0.225 J	0.0418 J	1.6200 J	0.000150 UJ
13B-0574-G2AS	0 - 0.5 ft	0.35	0.00292	0.183	0.172	0.0269	1.5900	0.000079 U
13B-0575-G1AS	0 - 0.5 ft	0.488	0.00626	0.390	0.235	0.0387	1.5800	0.000130 U
13B-0577-G1AS	0 - 0.5 ft	0.022 J	0.00609 J	0.478 J	0.227 J	0.0426 J	1.4800 J	0.000152 UJ
13B-0578-G2AS	0 - 0.5 ft	0.250 J	0.00631 J	0.477 J	0.226 J	0.0398 J	1.4500 J	0.000184 UJ

Notes:
% = percent
ft = feet
umol/g = micromole per gram
AVS = Acid Volatile Sulfide
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev = Standard Deviation
SEM = Simultaneously Extracted Metals
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
Butyltins

	Analytic Method	**KRONE**	**KRONE**	**KRONE**	**KRONE**
	Analyte	**Dibutyltin**	**Monobutyltin**	**Tetrabutyltin**	**Tributyltin**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**1.3**	**2.2**	**3.2**	**3**
	Maximum Detect	**310**	**100**	**61**	**420**
	Mean of Detects	**35.4**	**17.2**	**18.9**	**38.5**
	St. Dev. of Detects	**40.6**	**16.9**	**17.1**	**52.2**
	CV of Detects	**1.15**	**0.983**	**0.903**	**1.35**
	% Detected	**65.1**	**56.9**	**9.48**	**50.0**
Sample ID	**Depth Interval**				
13B-0501-C1AS	0 - 0.5 ft	9.7	9.4	6.8 U	10 U
13B-0501-C1BS	0.5 - 1.5 ft	4.6 J	3.0 J	6.2 U	6.2 U
13B-0501-C1CS	1.5 - 2.5 ft	8.9	2.3 J	6.3 U	47
13B-0501-C1DS	2.5 - 3.07 ft	6.6 U	6.6 U	6.6 U	6.6 U
13B-0502-C2AS	0 - 0.5 ft	16 J	3.8 J	6.2 UJ	32 J
13B-0502-C2BS	0.5 - 1.5 ft	17 J	5.7 J	6.6 UJ	28 J
13B-0502-C2CS	1.5 - 2.45 ft	40 J	5.8 J	8.6 UJ	65 J
13B-0503-C1BS	0.5 - 1.5 ft	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ
13B-0503-C1CS	1.5 - 2.5 ft	6.1 UJ	6.1 UJ	6.1 UJ	6.1 UJ
13B-0503-C2AS	0 - 0.5 ft	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ
13B-0504-C4AS	0 - 0.5 ft	110 J	50 J	27 UJ	27 UJ
13B-0504-C4BS	0.5 - 1.5 ft	6.4 J	12 UJ	12 UJ	12 UJ
13B-0504-C4CS	1.5 - 2.5 ft	15 J	16 U	16 U	16 U
13B-0504-C4KS	9.5 - 10.25 ft	14 U	14 U	14 U	14 U
13B-0505-C1BS	0.5 - 1.5 ft	9.2	8.6	6.5 U	5.7 J
13B-0505-C1CS	1.5 - 2.5 ft	67	31	7.7 U	83
13B-0505-C1FS	4.5 - 5.2 ft	5.8 U	5.8 U	5.8 U	5.8 U
13B-0505-C2AS	0 - 0.5 ft	14 J	13 UJ	13 UJ	11 J
13B-0506-C2BS	0.5 - 1.5 ft	1.3 J	5.8 U	5.8 U	5.8 U
13B-0506-C2CS	1.5 - 2.5 ft	5.7 U	5.7 U	5.7 U	5.7 U
13B-0506-C3AS	0 - 0.5 ft	43 J	45 J	10 UJ	18 J
13B-0507-C2AS	0 - 0.5 ft	8.7 U	8.7 U	8.7 U	8.7 U
13B-0507-C2BS	0.5 - 1.5 ft	6.6 U	6.6 U	6.6 U	6.6 U
13B-0507-C2CS	1.5 - 2.5 ft	6.6 U	6.6 U	6.6 U	6.6 U
13B-0507-C2DS	2.5 - 3.5 ft	7.9 U	7.9 U	7.9 U	7.9 U
13B-0508-G3AS	0 - 0.5 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0509-C1AS	0 - 0.5 ft	7.2 J	2.9 J	8.6 U	7.4 J
13B-0509-C1BS	0.5 - 1.5 ft	140 U	140 U	140 U	140 U
13B-0509-C1CS	1.5 - 2.5 ft	7.9 U	7.9 U	7.9 U	7.9 U
13B-0509-C1ES	3.17 - 4.17 ft	7.6 U	7.6 U	7.6 U	7.6 U
13B-0510-C3AS	0 - 0.5 ft	10	2.3 J	8.2 U	4.8 J
13B-0510-C3BS	0.5 - 1.9 ft	2.9 J	2.5 J	5.8 U	5.8 U
13B-0511-C1BS	0.5 - 1.5 ft	46 J	11 J	11 UJ	35 J
13B-0511-C3AS	0 - 0.5 ft	30 J	5.6 J	15 UJ	16 J
13B-0511-C3CS	1.5 - 2.5 ft	66	12	8.2 U	66
13B-0511-C3HS	5.95 - 6.95 ft	8.5	3.3 J	7.1 U	4.4 J
13B-0512-G1AS	0 - 0.5 ft	31 J	37 J	12 UJ	12 J
13B-0513-G1AS	0 - 0.5 ft	46 J	29 J	6.2 J	30 J
13B-0514-G1AS	0 - 0.5 ft	17 J	11 UJ	11 UJ	9.5 J
13B-0515-C1BS	0.5 - 1.71 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0515-C2AS	0 - 0.5 ft	24	7.1 J	6.5 J	16
13B-0515-C2CS	1.5 - 2.19 ft	R	R	R	R
13B-0516-C2AS	0 - 0.5 ft	30 J	3.5 J	11 UJ	16 J
13B-0516-C2BS	0.5 - 1.5 ft	97 J	54 J	11 UJ	69 J

APPENDIX I
DATA RESULTS SUMMARY
Butyltins

	Analytic Method	**KRONE**	**KRONE**	**KRONE**	**KRONE**
	Analyte	**Dibutyltin**	**Monobutyltin**	**Tetrabutyltin**	**Tributyltin**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**1.3**	**2.2**	**3.2**	**3**
	Maximum Detect	**310**	**100**	**61**	**420**
	Mean of Detects	**35.4**	**17.2**	**18.9**	**38.5**
	St. Dev. of Detects	**40.6**	**16.9**	**17.1**	**52.2**
	CV of Detects	**1.15**	**0.983**	**0.903**	**1.35**
	% Detected	**65.1**	**56.9**	**9.48**	**50.0**
Sample ID	**Depth Interval**				
13B-0516-C2CS	1.5 - 2.5 ft	230 J	64 J	6.3 J	180 J
13B-0516-C2LS	10.4 - 11.4 ft	160 U	160 U	160 U	160 U
13B-0517-G2AS	0 - 0.5 ft	1.3 J	6.3 U	6.3 U	6.3 U
13B-0518-G1AS	0 - 0.5 ft	7.1	2.5 J	7.0 U	7.0 U
13B-0518-G1AT	0 - 0.5 ft	6.6 J	2.2 J	7.4 U	3.4 J
13B-0519-C2AS	0 - 0.5 ft	40 J	5.4 J	11 UJ	21 J
13B-0519-C2BS	0.5 - 1.5 ft	41	31	7.8 U	29
13B-0519-C2CS	1.5 - 2.5 ft	130	29	9.3 J	97
13B-0519-C2RS	16.1 - 17.1 ft	5.8 U	5.8 U	5.8 U	5.8 U
13B-0520-G1AS	0 - 0.5 ft	28 J	11 J	12 UJ	9.6 J
13B-0521-C2BS	0.5 - 1.5 ft	2.1 J	6.3 U	6.3 U	6.3 U
13B-0521-C2HS	6.5 - 7.63 ft	45 J	21 J	6.0 J	73 J
13B-0521-C3AS	0 - 0.5 ft	3.6 J	2.7 J	6.5 U	3.0 J
13B-0521-C3CS	1.5 - 2.5 ft	6.3 J	5.8 J	6.8 U	4.9 J
13B-0522-G1AS	0 - 0.5 ft	23 J	16 J	15 UJ	11 J
13B-0522-G1AT	0 - 0.5 ft	30 J	26 J	16 UJ	15 J
13B-0523-G2AS	0 - 0.5 ft	49 J	17 J	18 UJ	21 J
13B-0524-C1BS	0.5 - 1.5 ft	36 J	7.3 J	12 UJ	32 J
13B-0524-C1CS	1.5 - 2.5 ft	55 J	21 J	11 UJ	56 J
13B-0524-C1GS	5.39 - 6.39 ft	100	16	9.5 U	100
13B-0524-G1AS	0 - 0.5 ft	18 J	12 UJ	12 UJ	9.2 J
13B-0525-C1AS	0 - 0.5 ft	46 J	25 J	13 UJ	22 J
13B-0525-C1BS	0.5 - 1.5 ft	40 J	11 J	11 UJ	28 J
13B-0525-C1CS	1.5 - 2.5 ft	88 J	49 J	11 UJ	57 J
13B-0525-C1HS	6.42 - 7.42 ft	130	37	4.5 J	120
13B-0526-C1AS	0 - 0.5 ft	31 J	16 J	13 UJ	41 J
13B-0526-C1BS	0.5 - 1.5 ft	63 J	32 J	8.6 J	87 J
13B-0526-C1CS	1.5 - 2.5 ft	29 J	11 J	11 UJ	30 J
13B-0526-C1CT	1.5 - 2.5 ft	26 J	12 J	11 UJ	29 J
13B-0526-C1HS	6.5 - 7.62 ft	2.8 J	6.5 U	6.5 U	6.5 U
13B-0527-C1AS	0 - 0.5 ft	7.1 U	7.1 U	7.1 U	7.1 U
13B-0527-C2BS	0.5 - 1.5 ft	6.9 U	6.9 U	6.9 U	6.9 U
13B-0527-C3CS	1.5 - 2.31 ft	7.0 U	7.0 U	7.0 U	7.0 U
13B-0528-C3AS	0 - 0.5 ft	36 J	9.3 J	16 UJ	17 J
13B-0528-C3BS	0.5 - 1.5 ft	57 J	25 J	7.8 J	74 J
13B-0528-C3CS	1.5 - 2.5 ft	24 J	12 J	12 UJ	12 UJ
13B-0528-C3LS	10.5 - 11.54 ft	170 U	170 U	170 U	170 U
13B-0529-C2AS	0 - 0.5 ft	2.2 J	6.4 U	6.4 U	6.4 U
13B-0529-C2BS	0.5 - 1.5 ft	5.6 U	5.6 U	5.6 U	5.6 U
13B-0529-C2CS	1.5 - 2.5 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0529-C2ES	3.5 - 4.2 ft	5.7 U	5.7 U	5.7 U	5.7 U
13B-0530-C3AS	0 - 0.5 ft	44 J	20 J	18 UJ	18 J
13B-0530-C3BS	0.5 - 1.5 ft	18	10 J	14 U	13 J
13B-0530-C3CS	1.5 - 1.93 ft	3.0 J	9.4 J	6.0 U	6.0 U

APPENDIX I
DATA RESULTS SUMMARY
Butyltins

	Analytic Method	**KRONE**	**KRONE**	**KRONE**	**KRONE**
	Analyte	**Dibutyltin**	**Monobutyltin**	**Tetrabutyltin**	**Tributyltin**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**1.3**	**2.2**	**3.2**	**3**
	Maximum Detect	**310**	**100**	**61**	**420**
	Mean of Detects	**35.4**	**17.2**	**18.9**	**38.5**
	St. Dev. of Detects	**40.6**	**16.9**	**17.1**	**52.2**
	CV of Detects	**1.15**	**0.983**	**0.903**	**1.35**
	% Detected	**65.1**	**56.9**	**9.48**	**50.0**
Sample ID	**Depth Interval**				
13B-0531-C1AS	0 - 0.5 ft	3.2 J	6.6 U	6.6 U	6.6 U
13B-0531-C1AT	0 - 0.5 ft	1.8 J	6.5 U	6.5 U	6.5 U
13B-0531-C1BS	0.5 - 1.5 ft	5.6 U	5.6 U	5.6 U	5.6 U
13B-0531-C1CS	1.5 - 2.3 ft	6.1 U	6.1 U	6.1 U	6.1 U
13B-0531-C2ES	3.5 - 4.42 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0532-C1AS	0 - 0.5 ft	24	5.2 J	6.5 U	3.0 J
13B-0532-C1BS	0.5 - 1.5 ft	6.1 U	2.6 J	6.1 U	6.1 U
13B-0532-C1CS	1.5 - 2.5 ft	6.4 U	6.4 U	6.4 U	6.4 U
13B-0532-C1DS	2.5 - 3.73 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0533-C1AS	0 - 0.5 ft	28 J	6.1 J	16 UJ	20 J
13B-0533-C1AT	0 - 0.5 ft	54 J	33 J	16 UJ	28 J
13B-0533-C3BS	0.5 - 1.5 ft	44 J	21 J	6.2 J	64 J
13B-0533-C3CS	1.5 - 2.5 ft	62 J	13 J	11 UJ	10 J
13B-0533-C3JS	8.5 - 9.35 ft	9.0 U	9.0 U	9.0 U	9.0 U
13B-0533-C3JT	8.5 - 9.35 ft	8.8 U	8.8 U	8.8 U	8.8 U
13B-0534-C2BS	0.5 - 1.5 ft	18	9.5 U	6.3 J	12
13B-0534-C2CS	1.5 - 2.5 ft	9.3 U	9.3 U	9.3 U	9.3 U
13B-0534-C2IS	7.5 - 8.59 ft	9.0 U	9.0 U	9.0 U	9.0 U
13B-0534-C3AS	0 - 0.5 ft	56 J	7.2 J	22 J	74 J
13B-0534-C3AT	0 - 0.5 ft	56 J	14 J	16 J	64 J
13B-0535-C2BS	0.5 - 1.5 ft	1.3 J	5.8 U	5.8 U	5.8 U
13B-0535-C2CS	1.5 - 2.45 ft	5.5 U	5.5 U	5.5 U	5.5 U
13B-0535-C3AS	0 - 0.5 ft	12	4.5 J	8.9 U	5.6 J
13B-0536-C1AS	0 - 0.5 ft	17 J	7.3 J	12 UJ	7.5 J
13B-0536-C1BS	0.5 - 1.5 ft	6.7 U	6.7 U	6.7 U	6.7 U
13B-0536-C1CS	1.5 - 2.5 ft	160 U	160 U	160 U	160 U
13B-0536-C1FS	4.28 - 5.28 ft	200 U	200 U	200 U	200 U
13B-0537-C3AS	0 - 0.5 ft	14	7.6 J	7.9 U	3.9 J
13B-0538-C3AS	0 - 0.5 ft	310 J	83 J	37 J	200 J
13B-0538-C3BS	0.5 - 1.5 ft	86 J	55 J	47 J	160 J
13B-0538-C3CS	1.5 - 2.5 ft	64	42	32 J	110
13B-0538-C3ES	3.5 - 4.8 ft	6.7 U	6.7 U	6.7 U	6.7 U
13B-0539-C2AS	0 - 0.5 ft	11	11	7.5 U	4.9 J
13B-0539-C2AT	0 - 0.5 ft	18	6.2 J	7.6 U	5.8 J
13B-0539-C3BS	0.5 - 1.5 ft	3.1 J	9.9 U	9.9 U	9.9 U
13B-0539-C3CS	1.5 - 2.5 ft	9.7 U	9.7 U	9.7 U	9.7 U
13B-0539-C3HS	6.5 - 7.59 ft	6.0 U	6.0 U	6.0 U	6.0 U
13B-0540-C4AS	0 - 0.5 ft	31 J	19 J	17 UJ	9.8 J
13B-0540-C4BS	0.5 - 1.5 ft	48 J	29 J	9.9 UJ	29 J
13B-0540-C4CS	1.5 - 2.5 ft	99 J	40 J	25 J	170 J
13B-0540-C4LS	10.3 - 11.25 ft	6.0 U	6.0 U	6.0 U	6.0 U
13B-0541-C1AS	0 - 0.5 ft	23 J	9.2 J	12 UJ	9.7 J
13B-0541-C1BS	0.5 - 1.5 ft	7.3	4.5 J	7.2 U	4.4 J
13B-0541-C1CS	1.5 - 2.5 ft	140 U	140 U	140 U	140 U

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DATA RESULTS SUMMARY
Butyltins

	Analytic Method	**KRONE**	**KRONE**	**KRONE**	**KRONE**
	Analyte	**Dibutyltin**	**Monobutyltin**	**Tetrabutyltin**	**Tributyltin**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**1.3**	**2.2**	**3.2**	**3**
	Maximum Detect	**310**	**100**	**61**	**420**
	Mean of Detects	**35.4**	**17.2**	**18.9**	**38.5**
	St. Dev. of Detects	**40.6**	**16.9**	**17.1**	**52.2**
	CV of Detects	**1.15**	**0.983**	**0.903**	**1.35**
	% Detected	**65.1**	**56.9**	**9.48**	**50.0**
Sample ID	**Depth Interval**				
13B-0541-C1FS	4.5 - 5.67 ft	5.7 U	5.7 U	5.7 U	5.7 U
13B-0542-C2AS	0 - 0.5 ft	8.2 U	8.2 U	8.2 U	8.2 U
13B-0542-C2BS	0.5 - 1.5 ft	6.7 U	6.7 U	6.7 U	6.7 U
13B-0542-C2CS	1.5 - 2.5 ft	8.0 U	8.0 U	8.0 U	8.0 U
13B-0542-C2HS	6.5 - 7.55 ft	6.4 U	6.4 U	6.4 U	6.4 U
13B-0543-G1AS	0 - 0.5 ft	20 J	14 J	17 UJ	17 UJ
13B-0544-C1AS	0 - 0.5 ft	4.2 J	6.3 U	6.3 U	6.3 U
13B-0544-C2BS	0.5 - 1.5 ft	51	30	7.5 U	30
13B-0544-C2CS	1.5 - 2.5 ft	100	23	9.3 U	82
13B-0544-C2ES	3 - 3.97 ft	29	39	6.7 U	16
13B-0546-G2AS	0 - 0.5 ft	4.0 J	8.6	6.4 U	6.4 U
13B-0547-C2BS	0.5 - 1.5 ft	27 J	9.8 J	21 UJ	27 J
13B-0547-C2HS	6.5 - 7.15 ft	5.8 U	5.8 U	5.8 U	5.8 U
13B-0547-C3AS	0 - 0.5 ft	69 J	44 J	34 UJ	54 J
13B-0547-C3CS	1.5 - 2.5 ft	19 U	19 U	19 U	19 U
13B-0548-C1AS	0 - 0.5 ft	15	4.6 J	8.4 U	8.4 U
13B-0548-C1BS	0.5 - 1.5 ft	25	3.5 J	8.5 U	8.5 U
13B-0548-C1BT	0.5 - 1.5 ft	19	11	8.5 U	8.5 U
13B-0548-C1CS	1.5 - 2.5 ft	83	100	7.7 U	41
13B-0548-C1IS	7.5 - 8.79 ft	7.2 U	7.2 U	7.2 U	7.2 U
13B-0549-C3AS	0 - 0.5 ft	29 J	7.6 J	8.6 UJ	16 J
13B-0549-C3BS	0.5 - 1.5 ft	6.7 U	6.7 U	6.7 U	6.7 U
13B-0549-C3CS	1.5 - 2.65 ft	7.4 U	7.4 U	7.4 U	7.4 U
13B-0550-C3AS	0 - 0.5 ft	16 J	6.7 J	11 UJ	7.2 J
13B-0550-C3BS	0.5 - 1.5 ft	12 J	13 U	13 U	8.2 J
13B-0550-C3CS	1.5 - 2.5 ft	7.2 U	7.2 U	7.2 U	7.2 U
13B-0550-C3FS	4.5 - 5.37 ft	1.5 U	1.5 U	1.5 U	1.5 U
13B-0551-G2AS	0 - 0.5 ft	26	7.2 J	7.9 U	4.9 J
13B-0552-C1AS	0 - 0.5 ft	38 J	33 J	15 UJ	22 J
13B-0552-C1BS	0.5 - 1.5 ft	2.8 J	3.0 J	6.1 U	6.1 U
13B-0552-C1CS	1.5 - 2.2 ft	5.8 UJ	5.8 UJ	5.8 U	5.8 U
13B-0552-C1CT	1.5 - 2.2 ft	5.8 UJ	5.8 UJ	5.8 U	5.8 U
13B-0553-C2AS	0 - 0.5 ft	6.0 J	3.0 J	7.4 UJ	3.5 J
13B-0553-C2BS	0.5 - 1.5 ft	150 U	150 U	150 U	150 U
13B-0553-C2CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U
13B-0553-C2DS	2.5 - 3.5 ft	9.0 U	9.0 U	9.0 U	9.0 U
13B-0554-C1BS	0.5 - 1.5 ft	37 J	11 J	9.9 UJ	38 J
13B-0554-C1CS	1.5 - 2.5 ft	78	41	8.0 U	60
13B-0554-C1ES	3.5 - 4.7 ft	7.0 U	7.0 U	7.0 U	7.0 U
13B-0554-C4AS	0 - 0.5 ft	35	29	8.6 U	32
13B-0555-C1AS	0 - 0.5 ft	34 J	22 J	15 UJ	28 J
13B-0555-C1BS	0.5 - 1.22 ft	10	4.0 J	9.9 U	5.1 J
13B-0555-C2CS	1.5 - 2 ft	76 J	25 J	8.8 J	69 J
13B-0555-C2DS	2 - 3 ft	18 J	9.5 J	11 UJ	10 J

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DATA RESULTS SUMMARY
Butyltins

	Analytic Method	**KRONE**	**KRONE**	**KRONE**	**KRONE**
	Analyte	**Dibutyltin**	**Monobutyltin**	**Tetrabutyltin**	**Tributyltin**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**1.3**	**2.2**	**3.2**	**3**
	Maximum Detect	**310**	**100**	**61**	**420**
	Mean of Detects	**35.4**	**17.2**	**18.9**	**38.5**
	St. Dev. of Detects	**40.6**	**16.9**	**17.1**	**52.2**
	CV of Detects	**1.15**	**0.983**	**0.903**	**1.35**
	% Detected	**65.1**	**56.9**	**9.48**	**50.0**
Sample ID	**Depth Interval**				
13B-0556-C1BS	0.5 - 1.5 ft	18	4.6 J	8.1 U	24
13B-0556-C2CS	1.5 - 2.38 ft	22	9.3	7.4 U	18
13B-0556-C3AS	0 - 0.5 ft	26 J	3.4 J	12 UJ	16 J
13B-0557-C2AS	0 - 0.5 ft	41 J	40 J	12 UJ	41 J
13B-0557-C2BS	0.5 - 1.5 ft	55 J	55 J	11 UJ	48 J
13B-0557-C2CS	1.5 - 2.5 ft	64	40	9.9 U	55
13B-0557-C2ES	3.5 - 4.5 ft	39	19	7.8 U	37
13B-0558-C2AS	0 - 0.5 ft	21 J	16 J	11 UJ	17 J
13B-0558-C2BS	0.5 - 1.5 ft	7.7 U	13 J	61	6.9 J
13B-0558-C2CS	1.5 - 2.5 ft	75 U	75 U	75 U	75 U
13B-0558-C2FS	4.5 - 5.75 ft	5.6 U	5.6 U	5.6 U	5.6 U
13B-0559-C2AS	0 - 0.5 ft	4.7 J	3.3 J	6.6 UJ	6.6 UJ
13B-0559-C2BS	0.5 - 1.5 ft	23 J	9.5 J	9.2 UJ	23 J
13B-0559-C2CS	1.5 - 2.5 ft	46 J	15 J	11 UJ	59 J
13B-0559-C3GS	5.5 - 6 ft	25 J	3.2 J	7.4 UJ	19 J
13B-0560-C1AS	0 - 0.5 ft	5.2 J	9.8	6.7 U	6.7 U
13B-0560-C1GS	5.14 - 5.86 ft	6.2 U	6.2 U	6.2 U	6.2 U
13B-0560-C3BS	0.5 - 1.5 ft	22	4.5 J	8.4 U	15
13B-0560-C3CS	1.5 - 2.5 ft	83 J	25 J	10 UJ	21 J
13B-0561-C1AS	0 - 0.5 ft	24	6.2 J	9.3 U	19
13B-0561-C1BS	0.5 - 1.5 ft	12	5.6 J	7.9 U	7.9 U
13B-0561-C1CS	1.5 - 2.5 ft	5.9 J	3.1 J	6.8 U	6.8 U
13B-0561-C1GS	5.5 - 6.5 ft	5.9 U	5.9 U	5.9 U	5.9 U
13B-0562-G2AS	0 - 0.5 ft	53	23	7.5 U	7.5 U
13B-0563-C1AS	0 - 0.5 ft	3.4 J	14 U	14 U	14 U
13B-0563-C1AT	0 - 0.5 ft	10 J	13 U	13 U	13 U
13B-0563-C2BS	0.5 - 1.1 ft	6.0 U	6.0 U	6.0 U	6.0 U
13B-0563-C2CS	1.1 - 2.5 ft	180 J	40 J	37 J	420 J
13B-0563-C2IS	7.5 - 8.28 ft	1.9 J	6.5 U	6.5 U	6.5 U
13B-0564-G2AS	0 - 0.5 ft	44 J	11 J	19 UJ	21 J
13B-0565-G1AS	0 - 0.5 ft	4.5 J	10 UJ	10 UJ	10 UJ
13B-0566-G3AS	0 - 0.5 ft	20	12	6.5 U	3.0 J
13B-0567-G2AS	0 - 0.5 ft	29 J	12 J	17 UJ	13 J
13B-0568-G2AS	0 - 0.5 ft	21 J	6.0 J	11 UJ	16 J
13B-0571-C3AS	0 - 0.5 ft	13 J	3.7 J	11 UJ	5.2 J
13B-0571-C3CS	1.5 - 2.5 ft	5.6 U	5.6 U	5.6 U	5.6 U
13B-0571-C3MS	11 - 12 ft	5.8 U	5.8 U	5.8 U	5.8 U
13B-0571-C4BS	0.5 - 1.5 ft	13 J	3.2 J	11 UJ	8.6 J
13B-0572-C1BS	0.5 - 1.5 ft	7.9 U	7.9 U	7.9 U	7.9 U
13B-0572-C1CS	1.5 - 2.27 ft	8.0 U	8.0 U	8.0 U	8.0 U
13B-0573-C2AS	0 - 0.5 ft	3.4 J	5.3 J	6.7 U	6.7 UJ
13B-0573-C2BS	0.5 - 1.5 ft	3.8 J	5.0 J	6.4 U	6.4 U
13B-0573-C2CS	1.5 - 2.5 ft	6.2 U	6.2 U	6.2 U	6.2 U
13B-0573-C2DS	2.5 - 3.75 ft	5.6 U	5.6 U	5.6 U	5.6 U

APPENDIX I
DATA RESULTS SUMMARY
Butyltins

		Analytic Method	KRONE	KRONE	KRONE	KRONE
		Analyte	Dibutyltin	Monobutyltin	Tetrabutyltin	Tributyltin
		Unit	ug/kg	ug/kg	ug/kg	ug/kg
		Minimum Detect	1.3	2.2	3.2	3
		Maximum Detect	310	100	61	420
		Mean of Detects	35.4	17.2	18.9	38.5
		St. Dev. of Detects	40.6	16.9	17.1	52.2
		CV of Detects	1.15	0.983	0.903	1.35
		% Detected	65.1	56.9	9.48	50.0
Sample ID	Depth Interval					
13B-0574-C1CS	1.5 - 2.5 ft	63	25	8.6 J	55
13B-0574-C2BS	0.5 - 1.5 ft	12	2.6 J	6.7 U	13
13B-0574-C2HS	6.4 - 7.4 ft	14	4.0 J	3.2 J	24
13B-0574-C3AS	0 - 0.5 ft	15	3.2 J	6.9 U	9.7
13B-0575-C4AS	0 - 0.5 ft	59 J	24 J	51 J	120 J
13B-0575-C4BS	0.5 - 1.5 ft	13	4.7 J	7.3 U	13
13B-0575-C4CS	1.5 - 2.5 ft	6.5 UJ	6.5 UJ	6.5 U	6.5 U
13B-0575-C4FS	4.3 - 5.44 ft	6.8 UJ	6.8 UJ	6.8 U	6.8 U
13B-0578-C5AS	0 - 0.5 ft	5.7 U	5.7 U	5.7 U	5.7 U
13B-0578-C5GS	5.25 - 6.25 ft	5.6 U	5.6 U	5.6 U	5.6 U
13B-0578-C6BS	0.5 - 1.5 ft	14 U	14 U	14 U	14 U
13B-0578-C6CS	1.5 - 2.5 ft	6.2 U	6.2 U	6.2 U	6.2 U
13B-0578-C6CT	1.5 - 2.5 ft	6.3 U	6.3 U	6.3 U	6.3 U

Notes:
% = percent
ft = feet
ug/kg = microgram per kilogram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

R = Rejected data

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0501-C1AS	0 - 0.5 ft	0.23 J
13B-0501-C1BS	0.5 - 1.5 ft	0.24 U
13B-0501-C1CS	1.5 - 2.5 ft	0.25 U
13B-0501-C1DS	2.5 - 3.07 ft	0.25 J
13B-0502-C2AS	0 - 0.5 ft	0.25 U
13B-0502-C2BS	0.5 - 1.5 ft	0.37
13B-0502-C2CS	1.5 - 2.45 ft	1.09
13B-0503-C1BS	0.5 - 1.5 ft	0.25 U
13B-0503-C1CS	1.5 - 2.5 ft	0.25 U
13B-0503-C2AS	0 - 0.5 ft	0.25 U
13B-0504-C4AS	0 - 0.5 ft	3.63 J
13B-0504-C4BS	0.5 - 1.5 ft	7.4 J
13B-0504-C4CS	1.5 - 2.5 ft	3.09
13B-0504-C4KS	9.5 - 10.25 ft	0.72
13B-0505-C1BS	0.5 - 1.5 ft	0.26 U
13B-0505-C1CS	1.5 - 2.5 ft	1.05
13B-0505-C1FS	4.5 - 5.2 ft	0.23 U
13B-0505-C2AS	0 - 0.5 ft	0.50 UJ
13B-0506-C2BS	0.5 - 1.5 ft	0.12 J
13B-0506-C2CS	1.5 - 2.5 ft	0.23 U
13B-0506-C3AS	0 - 0.5 ft	0.13 J
13B-0507-C2AS	0 - 0.5 ft	0.35 U
13B-0507-C2BS	0.5 - 1.5 ft	0.27 U
13B-0507-C2CS	1.5 - 2.5 ft	0.27 U
13B-0507-C2DS	2.5 - 3.5 ft	0.31 U
13B-0508-G3AS	0 - 0.5 ft	0.24 U
13B-0509-C1AS	0 - 0.5 ft	0.35 U
13B-0509-C1BS	0.5 - 1.5 ft	0.28 U
13B-0509-C1CS	1.5 - 2.5 ft	1.66
13B-0509-C1ES	3.17 - 4.17 ft	12.2 J
13B-0510-C3AS	0 - 0.5 ft	0.33 U
13B-0510-C3BS	0.5 - 1.9 ft	0.23 U
13B-0511-C1BS	0.5 - 1.5 ft	0.18 J
13B-0511-C3AS	0 - 0.5 ft	R
13B-0511-C3CS	1.5 - 2.5 ft	0.43 J
13B-0511-C3HS	5.95 - 6.95 ft	0.37 J
13B-0512-G1AS	0 - 0.5 ft	0.28 J
13B-0513-G1AS	0 - 0.5 ft	1.09 J
13B-0514-G1AS	0 - 0.5 ft	0.17 J
13B-0515-C1BS	0.5 - 1.71 ft	0.12 J
13B-0515-C2AS	0 - 0.5 ft	0.25 J
13B-0515-C2CS	1.5 - 2.19 ft	R
13B-0516-C2AS	0 - 0.5 ft	0.49 J
13B-0516-C2BS	0.5 - 1.5 ft	0.41 UJ

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0516-C2CS	1.5 - 2.5 ft	0.92 J
13B-0516-C2LS	10.4 - 11.4 ft	0.27 J
13B-0517-G2AS	0 - 0.5 ft	0.25 U
13B-0518-G1AS	0 - 0.5 ft	0.11 J
13B-0518-G1AT	0 - 0.5 ft	0.13 J
13B-0519-C2AS	0 - 0.5 ft	0.44 UJ
13B-0519-C2BS	0.5 - 1.5 ft	0.31 U
13B-0519-C2CS	1.5 - 2.5 ft	0.95
13B-0519-C2RS	16.1 - 17.1 ft	0.23 U
13B-0520-G1AS	0 - 0.5 ft	0.53 J
13B-0521-C2BS	0.5 - 1.5 ft	0.25 U
13B-0521-C2HS	6.5 - 7.63 ft	5.64 J
13B-0521-C3AS	0 - 0.5 ft	0.26 U
13B-0521-C3CS	1.5 - 2.5 ft	0.27 U
13B-0522-G1AS	0 - 0.5 ft	0.48 J
13B-0522-G1AT	0 - 0.5 ft	0.49 J
13B-0523-G2AS	0 - 0.5 ft	0.36 J
13B-0524-C1BS	0.5 - 1.5 ft	0.21 J
13B-0524-C1CS	1.5 - 2.5 ft	0.40 J
13B-0524-C1GS	5.39 - 6.39 ft	1.52
13B-0524-G1AS	0 - 0.5 ft	0.45 UJ
13B-0525-C1AS	0 - 0.5 ft	0.50 UJ
13B-0525-C1BS	0.5 - 1.5 ft	0.42 UJ
13B-0525-C1CS	1.5 - 2.5 ft	0.15 J
13B-0525-C1HS	6.42 - 7.42 ft	0.70
13B-0526-C1AS	0 - 0.5 ft	0.37 J
13B-0526-C1BS	0.5 - 1.5 ft	0.29 J
13B-0526-C1CS	1.5 - 2.5 ft	0.45 J
13B-0526-C1CT	1.5 - 2.5 ft	0.79 J
13B-0526-C1HS	6.5 - 7.62 ft	R
13B-0527-C1AS	0 - 0.5 ft	R
13B-0527-C2BS	0.5 - 1.5 ft	R
13B-0527-C3CS	1.5 - 2.31 ft	R
13B-0528-C3AS	0 - 0.5 ft	0.70 J
13B-0528-C3BS	0.5 - 1.5 ft	2.35 J
13B-0528-C3CS	1.5 - 2.5 ft	2.42 J
13B-0528-C3LS	10.5 - 11.54 ft	1.11
13B-0529-C2AS	0 - 0.5 ft	0.31
13B-0529-C2BS	0.5 - 1.5 ft	0.23 U
13B-0529-C2CS	1.5 - 2.5 ft	0.24 U
13B-0529-C2ES	3.5 - 4.2 ft	0.23 U
13B-0530-C3AS	0 - 0.5 ft	0.71 UJ
13B-0530-C3BS	0.5 - 1.5 ft	0.27 U
13B-0530-C3CS	1.5 - 1.93 ft	0.30 J

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0531-C1AS	0 - 0.5 ft	0.26 U
13B-0531-C1AT	0 - 0.5 ft	0.26 U
13B-0531-C1BS	0.5 - 1.5 ft	0.23 U
13B-0531-C1CS	1.5 - 2.3 ft	0.24 U
13B-0531-C2ES	3.5 - 4.42 ft	0.13 J
13B-0532-C1AS	0 - 0.5 ft	0.26 U
13B-0532-C1BS	0.5 - 1.5 ft	0.15 J
13B-0532-C1CS	1.5 - 2.5 ft	0.14 J
13B-0532-C1DS	2.5 - 3.73 ft	0.31
13B-0533-C1AS	0 - 0.5 ft	0.83 J
13B-0533-C1AT	0 - 0.5 ft	1.55 J
13B-0533-C3BS	0.5 - 1.5 ft	3.64 J
13B-0533-C3CS	1.5 - 2.5 ft	2.99 J
13B-0533-C3JS	8.5 - 9.35 ft	1.39
13B-0533-C3JT	8.5 - 9.35 ft	1.23
13B-0534-C2BS	0.5 - 1.5 ft	0.97
13B-0534-C2CS	1.5 - 2.5 ft	2.50
13B-0534-C2IS	7.5 - 8.59 ft	0.23 J
13B-0534-C3AS	0 - 0.5 ft	0.95 J
13B-0534-C3AT	0 - 0.5 ft	0.61 J
13B-0535-C2BS	0.5 - 1.5 ft	0.23 U
13B-0535-C2CS	1.5 - 2.45 ft	0.22 U
13B-0535-C3AS	0 - 0.5 ft	0.36 U
13B-0536-C1AS	0 - 0.5 ft	0.68 J
13B-0536-C1BS	0.5 - 1.5 ft	0.35
13B-0536-C1CS	1.5 - 2.5 ft	0.73
13B-0536-C1FS	4.28 - 5.28 ft	43.7
13B-0537-C3AS	0 - 0.5 ft	0.25 J
13B-0538-C3AS	0 - 0.5 ft	11.2 J
13B-0538-C3BS	0.5 - 1.5 ft	10.4 J
13B-0538-C3CS	1.5 - 2.5 ft	6.9
13B-0538-C3ES	3.5 - 4.8 ft	6.8
13B-0539-C2AS	0 - 0.5 ft	0.37
13B-0539-C2AT	0 - 0.5 ft	0.30 U
13B-0539-C3BS	0.5 - 1.5 ft	3.89
13B-0539-C3CS	1.5 - 2.5 ft	2.36
13B-0539-C3HS	6.5 - 7.59 ft	0.25 U
13B-0540-C4AS	0 - 0.5 ft	0.41 J
13B-0540-C4BS	0.5 - 1.5 ft	0.87 J
13B-0540-C4CS	1.5 - 2.5 ft	2.19 J
13B-0540-C4LS	10.3 - 11.25 ft	0.24 U
13B-0541-C1AS	0 - 0.5 ft	0.45 UJ
13B-0541-C1BS	0.5 - 1.5 ft	0.96
13B-0541-C1CS	1.5 - 2.5 ft	0.28 U

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0541-C1FS	4.5 - 5.67 ft	0.23 U
13B-0542-C2AS	0 - 0.5 ft	19.0
13B-0542-C2BS	0.5 - 1.5 ft	5.6
13B-0542-C2CS	1.5 - 2.5 ft	17.0
13B-0542-C2HS	6.5 - 7.55 ft	0.25 U
13B-0543-G1AS	0 - 0.5 ft	0.36 J
13B-0544-C1AS	0 - 0.5 ft	0.16 J
13B-0544-C2BS	0.5 - 1.5 ft	0.28 J
13B-0544-C2CS	1.5 - 2.5 ft	1.21
13B-0544-C2ES	3 - 3.97 ft	0.28
13B-0546-G2AS	0 - 0.5 ft	0.08 J
13B-0547-C2BS	0.5 - 1.5 ft	0.39 J
13B-0547-C2HS	6.5 - 7.15 ft	0.24 U
13B-0547-C3AS	0 - 0.5 ft	0.92 J
13B-0547-C3CS	1.5 - 2.5 ft	0.23 J
13B-0548-C1AS	0 - 0.5 ft	0.62
13B-0548-C1BS	0.5 - 1.5 ft	0.76
13B-0548-C1BT	0.5 - 1.5 ft	0.74
13B-0548-C1CS	1.5 - 2.5 ft	0.61
13B-0548-C1IS	7.5 - 8.79 ft	0.29 U
13B-0549-C3AS	0 - 0.5 ft	0.25 J
13B-0549-C3BS	0.5 - 1.5 ft	3.1
13B-0549-C3CS	1.5 - 2.65 ft	8.6
13B-0550-C3AS	0 - 0.5 ft	0.49 J
13B-0550-C3BS	0.5 - 1.5 ft	0.21 J
13B-0550-C3CS	1.5 - 2.5 ft	0.88
13B-0550-C3FS	4.5 - 5.37 ft	0.29 U
13B-0551-G2AS	0 - 0.5 ft	0.31 U
13B-0552-C1AS	0 - 0.5 ft	0.46 J
13B-0552-C1BS	0.5 - 1.5 ft	0.09 J
13B-0552-C1CS	1.5 - 2.2 ft	0.23 U
13B-0552-C1CT	1.5 - 2.2 ft	0.23 U
13B-0553-C2AS	0 - 0.5 ft	0.16 J
13B-0553-C2BS	0.5 - 1.5 ft	0.50
13B-0553-C2CS	1.5 - 2.5 ft	0.38
13B-0553-C2DS	2.5 - 3.5 ft	2.61
13B-0554-C1BS	0.5 - 1.5 ft	1.71
13B-0554-C1CS	1.5 - 2.5 ft	0.32 U
13B-0554-C1ES	3.5 - 4.7 ft	0.28 U
13B-0554-C4AS	0 - 0.5 ft	0.35 U
13B-0555-C1AS	0 - 0.5 ft	2.62 J
13B-0555-C1BS	0.5 - 1.22 ft	1.10 J
13B-0555-C2CS	1.5 - 2 ft	7.1 J
13B-0555-C2DS	2 - 3 ft	1.23 J

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0556-C1BS	0.5 - 1.5 ft	0.18 J
13B-0556-C2CS	1.5 - 2.38 ft	0.30 U
13B-0556-C3AS	0 - 0.5 ft	0.15 J
13B-0557-C2AS	0 - 0.5 ft	0.92 J
13B-0557-C2BS	0.5 - 1.5 ft	0.30 J
13B-0557-C2CS	1.5 - 2.5 ft	0.47
13B-0557-C2ES	3.5 - 4.5 ft	0.17 J
13B-0558-C2AS	0 - 0.5 ft	0.41 UJ
13B-0558-C2BS	0.5 - 1.5 ft	0.41 J
13B-0558-C2CS	1.5 - 2.5 ft	0.42 J
13B-0558-C2FS	4.5 - 5.75 ft	0.22 U
13B-0559-C2AS	0 - 0.5 ft	0.17 J
13B-0559-C2BS	0.5 - 1.5 ft	0.33 J
13B-0559-C2CS	1.5 - 2.5 ft	0.43 UJ
13B-0559-C3GS	5.5 - 6 ft	0.30 U
13B-0560-C1AS	0 - 0.5 ft	0.27 U
13B-0560-C1GS	5.14 - 5.86 ft	0.25 U
13B-0560-C3BS	0.5 - 1.5 ft	0.34 U
13B-0560-C3CS	1.5 - 2.5 ft	0.19 J
13B-0561-C1AS	0 - 0.5 ft	1.33
13B-0561-C1BS	0.5 - 1.5 ft	0.47
13B-0561-C1CS	1.5 - 2.5 ft	0.23 J
13B-0561-C1GS	5.5 - 6.5 ft	0.23 U
13B-0562-G2AS	0 - 0.5 ft	0.30 U
13B-0563-C1AS	0 - 0.5 ft	0.10 J
13B-0563-C1AT	0 - 0.5 ft	0.26 U
13B-0563-C2BS	0.5 - 1.1 ft	0.24 U
13B-0563-C2CS	1.1 - 2.5 ft	1.00 J
13B-0563-C2IS	7.5 - 8.28 ft	0.14 J
13B-0564-G2AS	0 - 0.5 ft	0.52 J
13B-0565-G1AS	0 - 0.5 ft	0.14 J
13B-0566-G3AS	0 - 0.5 ft	0.08 J
13B-0567-G2AS	0 - 0.5 ft	0.44 J
13B-0568-G2AS	0 - 0.5 ft	1.58 J
13B-0571-C3AS	0 - 0.5 ft	0.41 UJ
13B-0571-C3CS	1.5 - 2.5 ft	0.23 U
13B-0571-C3MS	11 - 12 ft	0.23 U
13B-0571-C4BS	0.5 - 1.5 ft	0.40 UJ
13B-0572-C1BS	0.5 - 1.5 ft	1.71
13B-0572-C1CS	1.5 - 2.27 ft	1.10
13B-0573-C2AS	0 - 0.5 ft	0.29
13B-0573-C2BS	0.5 - 1.5 ft	0.10 J
13B-0573-C2CS	1.5 - 2.5 ft	0.27
13B-0573-C2DS	2.5 - 3.75 ft	0.22 U

APPENDIX I
DATA RESULTS SUMMARY
Cyanide

	Analytic Method	**SW9012B**
	Analyte	**Cyanide**
	Unit	**mg/kg**
	Minimum Detect	**0.08**
	Maximum Detect	**43.7**
	Mean of Detects	**1.84**
	St. Dev. of Detects	**4.54**
	CV of Detects	**2.47**
	% Detected	**63.4**
Sample ID	**Depth Interval**	
13B-0574-C1CS	1.5 - 2.5 ft	1.54
13B-0574-C2BS	0.5 - 1.5 ft	0.27 U
13B-0574-C2HS	6.4 - 7.4 ft	0.51
13B-0574-C3AS	0 - 0.5 ft	0.28 U
13B-0575-C4AS	0 - 0.5 ft	1.96 J
13B-0575-C4BS	0.5 - 1.5 ft	0.39
13B-0575-C4CS	1.5 - 2.5 ft	0.26 U
13B-0575-C4FS	4.3 - 5.44 ft	0.27 U
13B-0578-C5AS	0 - 0.5 ft	0.23 U
13B-0578-C5GS	5.25 - 6.25 ft	0.23 U
13B-0578-C6BS	0.5 - 1.5 ft	0.24 J
13B-0578-C6CS	1.5 - 2.5 ft	0.10 J
13B-0578-C6CT	1.5 - 2.5 ft	0.25 U

Notes:
% = percent
ft = feet
mg/kg = milligram per kilogram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary
R = Rejected data

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft			0					0					
13B-0501-C2BS	0.5 - 1.5 ft								2					
13B-0501-C2CS	1.5 - 2.5 ft				0			0						
13B-0501-C2DS	2.5 - 3.32 ft		1					2						
13B-0502-C2BS	0.5 - 1.5 ft		3						3					
13B-0502-C2CS	1.5 - 2.45 ft							7						
13B-0502-G1AS	0 - 0.5 ft		3						3					
13B-0503-C1BS	0.5 - 1.5 ft								3					
13B-0503-C1CS	1.5 - 2.5 ft								2					
13B-0503-C2AS	0 - 0.5 ft								6					
13B-0504-C2AS	0 - 0.5 ft		25				34							
13B-0504-C2BS	0.5 - 1.5 ft							26						
13B-0504-C2CS	1.5 - 2.5 ft				11		24							
13B-0504-C4KS	9.5 - 10.25 ft							11						
13B-0505-C1BS	0.5 - 1.5 ft		4						5					
13B-0505-C2CS	1.5 - 2.5 ft			3				3						
13B-0505-C2FS	4.5 - 5.33 ft		6					7						
13B-0505-G2AS	0 - 0.5 ft				21		28							
13B-0506-C2CS	1.5 - 2.5 ft		1						1					
13B-0506-C3BS	0.5 - 1.44 ft		2						2					
13B-0506-G1AS	0 - 0.5 ft		7					8						
13B-0507-C2BS	0.5 - 1.5 ft		4					5						
13B-0507-C2CS	1.5 - 2.5 ft			4				5				7		
13B-0507-C3AS	0 - 0.5 ft			9				13						
13B-0507-C3DS	2.5 - 3.3 ft				3			4						
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft		5					9						
13B-0509-C2BS	0.5 - 1.5 ft		7				10							
13B-0509-C2CS	1.5 - 2.5 ft		7				12							
13B-0510-C1AS	0 - 0.5 ft		6					9						
13B-0510-C1BS	0.5 - 1.7 ft		3						3					
13B-0511-C1AS	0 - 0.5 ft				17			22						
13B-0511-C1BS	0.5 - 1.5 ft		18				28							
13B-0511-C1CS	1.5 - 2.5 ft		19				26				29			

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft		7					9						
13B-0512-G1AS	0 - 0.5 ft		15					20						
13B-0513-G1AS	0 - 0.5 ft		16				23							
13B-0514-G1AS	0 - 0.5 ft		15					20						
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft		18					29						
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft		10				15							
13B-0516-C2LS	10.4 - 11.4 ft		13				15							
13B-0516-C3AS	0 - 0.5 ft		11					17						
13B-0516-C3BS	0.5 - 1.5 ft		10				13							
13B-0517-G2AS	0 - 0.5 ft								1					
13B-0518-G1AS	0 - 0.5 ft			3				4						
13B-0518-G1AT	0 - 0.5 ft			4				4						
13B-0519-C2BS	0.5 - 1.5 ft		5					7						
13B-0519-C2CS	1.5 - 2.5 ft				11			13						
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft		4					7						
13B-0520-G1AS	0 - 0.5 ft			16				20						
13B-0521-C2HS	6.5 - 7.63 ft		24				31							
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft		3					3						
13B-0522-G1AS	0 - 0.5 ft		17				28							
13B-0522-G1AT	0 - 0.5 ft				20		27							
13B-0523-G2AS	0 - 0.5 ft							31						
13B-0524-C1BS	0.5 - 1.5 ft		19					19						
13B-0524-C1CS	1.5 - 2.5 ft		16					21						
13B-0524-C1GS	5.39 - 6.39 ft				5			6					6	
13B-0524-G1AS	0 - 0.5 ft		12					15						
13B-0525-C1BS	0.5 - 1.5 ft			16				19						
13B-0525-C1CS	1.5 - 2.5 ft			15			21							
13B-0525-C1HS	6.42 - 7.42 ft			10				13						
13B-0525-C2AS	0 - 0.5 ft	15						19						

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft				10			18						
13B-0526-C1HS	6.5 - 7.62 ft		2					4						
13B-0526-C2AS	0 - 0.5 ft		10				13							
13B-0526-C2CS	1.5 - 2.5 ft		15					21						
13B-0526-C2CT	1.5 - 2.5 ft				17			19						
13B-0527-C3BS	0.5 - 1.5 ft		8					8						
13B-0527-C3CS	1.5 - 2.31 ft		3					4						
13B-0527-C4AS	0 - 0.5 ft		13				20							
13B-0528-C3CS	1.5 - 2.5 ft		18				25							
13B-0528-C3LS	10.5 - 11.54 ft		12					16						
13B-0528-C4AS	0 - 0.5 ft		17				26							
13B-0528-C4BS	0.5 - 1.5 ft		21				29							
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft		1					1						
13B-0529-C2ES	3.5 - 4.2 ft		1						1					
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft		35					40						
13B-0530-C4BS	0.5 - 1.5 ft		3						3					
13B-0530-C4CS	1.5 - 1.62 ft		3						3					
13B-0531-C1BS	0.5 - 1.5 ft		0						0					
13B-0531-C1CS	1.5 - 2.3 ft								1					
13B-0531-C2ES	3.5 - 4.42 ft		0					0						
13B-0531-C3AS	0 - 0.5 ft								0					
13B-0531-C3AT	0 - 0.5 ft		0						1					
13B-0532-C1BS	0.5 - 1.5 ft		2					2						
13B-0532-C1CS	1.5 - 2.5 ft		6					8						
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft		7					9						
13B-0533-C3BS	0.5 - 1.5 ft		17				20							
13B-0533-C3CS	1.5 - 2.5 ft		19			26								
13B-0533-C3JS	8.5 - 9.35 ft				11		32							37
13B-0533-C3JT	8.5 - 9.35 ft		18				28							
13B-0533-G1AS	0 - 0.5 ft							30						
13B-0533-G1AT	0 - 0.5 ft			15			25							

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft		14					17						
13B-0534-C2CS	1.5 - 2.5 ft		13					18						
13B-0534-C2IS	7.5 - 8.59 ft	15					23							
13B-0534-G1AS	0 - 0.5 ft		16					23						
13B-0534-G1AT	0 - 0.5 ft		17					25						
13B-0535-C2BS	0.5 - 1.5 ft	1						1						
13B-0535-C2CS	1.5 - 2.45 ft		0					1						
13B-0535-G1AS	0 - 0.5 ft				10			13						
13B-0536-C1BS	0.5 - 1.5 ft				8			9						
13B-0536-C1CS	1.5 - 2.5 ft			11			16							
13B-0536-C1FS	4.28 - 5.28 ft		16				23							27
13B-0536-C3AS	0 - 0.5 ft		9				12							
13B-0537-C2AS	0 - 0.5 ft		5					8						
13B-0538-C2AS	0 - 0.5 ft			16			22							
13B-0538-C3BS	0.5 - 1.5 ft			21			28							
13B-0538-C3CS	1.5 - 2.5 ft			12			17							
13B-0538-C3ES	3.5 - 4.8 ft			5			6							
13B-0539-C3BS	0.5 - 1.5 ft	15					22							
13B-0539-C3CS	1.5 - 2.5 ft		16				24							
13B-0539-C3HS	6.5 - 7.59 ft		4					6						
13B-0539-G2AS	0 - 0.5 ft		8					12						
13B-0539-G2AT	0 - 0.5 ft	10						15						
13B-0540-C3AS	0 - 0.5 ft		14					19						
13B-0540-C3BS	0.5 - 1.5 ft		11					16						
13B-0540-C3CS	1.5 - 2.5 ft	14						19						
13B-0540-C4LS	10.3 - 11.25 ft		6				10							
13B-0541-C1CS	1.5 - 2.5 ft		10				16							
13B-0541-C1FS	4.5 - 5.67 ft				1			2						
13B-0541-C2AS	0 - 0.5 ft				15			19						
13B-0541-C2BS	0.5 - 1.5 ft				7			8						
13B-0542-C2BS	0.5 - 1.5 ft				3			4						
13B-0542-C2CS	1.5 - 2.5 ft		5					7						
13B-0542-C2HS	6.5 - 7.55 ft		0						1					
13B-0542-C3AS	0 - 0.5 ft		6					8						

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft			11				14						
13B-0544-C1AS	0 - 0.5 ft		5					6						
13B-0544-C1ES	3.5 - 4.33 ft		4					7						
13B-0544-C2BS	0.5 - 1.5 ft		6					9						
13B-0544-C2CS	1.5 - 2.5 ft							13						
13B-0546-G2AS	0 - 0.5 ft		2						2					
13B-0547-C2HS	6.5 - 7.15 ft		4					4						
13B-0547-C3BS	0.5 - 1.5 ft		7						13					
13B-0547-C3CS	1.5 - 2.5 ft		13					17						
13B-0547-G1AS	0 - 0.5 ft		23				33							
13B-0548-C1IS	7.5 - 8.79 ft		1					3						
13B-0548-C2AS	0 - 0.5 ft		6					8						
13B-0548-C2BS	0.5 - 1.5 ft		4					7						
13B-0548-C2BT	0.5 - 1.5 ft		4					6						
13B-0548-C2CS	1.5 - 2.5 ft		8				12							
13B-0549-C2AS	0 - 0.5 ft		7					8						
13B-0549-C3BS	0.5 - 1.5 ft		2					3						
13B-0549-C3CS	1.5 - 2.65 ft		3					4						
13B-0550-C1AS	0 - 0.5 ft								10					
13B-0550-C3BS	0.5 - 1.5 ft								8					
13B-0550-C3CS	1.5 - 2.5 ft							10						
13B-0550-C3FS	4.5 - 5.37 ft		4					7						
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft		1					2						
13B-0552-C1BS	0.5 - 1.5 ft		2					4						
13B-0552-C2AS	0 - 0.5 ft		16					19						
13B-0552-C2CS	1.5 - 2.5 ft			1					1					
13B-0552-C2CT	1.5 - 2.5 ft		2					2						
13B-0553-C1AS	0 - 0.5 ft			4				6						
13B-0553-C2BS	0.5 - 1.5 ft			8			10							
13B-0553-C2CS	1.5 - 2.5 ft			11			15							
13B-0554-C1BS	0.5 - 1.5 ft		9				12							
13B-0554-C1CS	1.5 - 2.5 ft		6					10						
13B-0554-C1ES	3.5 - 4.7 ft	9					13			14				

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft				6			8						
13B-0555-C2AS	0 - 0.5 ft				20		32							
13B-0555-C2BS	0.5 - 1.5 ft	22					29							
13B-0555-C2CS	1.5 - 2 ft				20		30							
13B-0555-C2DS	2 - 3 ft	15					21							
13B-0556-C1BS	0.5 - 1.5 ft		6					8						
13B-0556-C1CS	1.5 - 2.5 ft		5					8						
13B-0556-C3AS	0 - 0.5 ft		7					9						
13B-0557-C1AS	0 - 0.5 ft		9					13						
13B-0557-C2BS	0.5 - 1.5 ft				16		21							
13B-0557-C2CS	1.5 - 2.5 ft		17					22						
13B-0557-C2ES	3.5 - 4.5 ft		7					12						
13B-0558-C2CS	1.5 - 2.5 ft				7			11						
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft				4			4						
13B-0558-C3BS	0.5 - 1.5 ft				7			9						
13B-0559-C2BS	0.5 - 1.5 ft							10						
13B-0559-C2CS	1.5 - 2.5 ft		12					18						
13B-0559-C2GS	5.5 - 646 ft							7						
13B-0559-G1AS	0 - 0.5 ft		3						3					
13B-0560-C3AS	0 - 0.5 ft		1						2					
13B-0560-C3BS	0.5 - 1.5 ft		10					11						
13B-0560-C3CS	1.5 - 2.5 ft		9					10						
13B-0560-C3GS	4.9 - 6.5 ft		11			21						28		
13B-0561-C1CS	1.5 - 2.5 ft		1					2						
13B-0561-C2AS	0 - 0.5 ft		2					3						
13B-0561-C2BS	0.5 - 1.5 ft		7					8						
13B-0562-G1AS	0 - 0.5 ft			4				5						
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft		24					30						
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft		2						2					
13B-0564-G2AS	0 - 0.5 ft		21					30						
13B-0565-G1AS	0 - 0.5 ft		4						5					

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0013 mm	HYDROMETER READING, PERCENT FINER THAN 0.0014 mm	HYDROMETER READING, PERCENT FINER THAN 0.0015 mm	HYDROMETER READING, PERCENT FINER THAN 0.0016 mm	HYDROMETER READING, PERCENT FINER THAN 0.0031 mm	HYDROMETER READING, PERCENT FINER THAN 0.0032 mm	HYDROMETER READING, PERCENT FINER THAN 0.0033 mm	HYDROMETER READING, PERCENT FINER THAN 0.0034 mm	HYDROMETER READING, PERCENT FINER THAN 0.0036 mm	HYDROMETER READING, PERCENT FINER THAN 0.0040 mm	HYDROMETER READING, PERCENT FINER THAN 0.0042 mm	HYDROMETER READING, PERCENT FINER THAN 0.0043 mm	HYDROMETER READING, PERCENT FINER THAN 0.0044 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	0	0	21	6	0	0	14	29	7	6	27
Maximum Detect		22	35	21	21	26	34	40	13	14	29	28	6	37
Mean of Detects		12.9	8.30	9.08	10.2	23.5	21.4	10.7	3.03	14.0	29.0	17.5	6.00	32.0
St. Dev. of Detects		5.45	6.73	5.89	6.40	2.50	7.31	7.78	2.76	0.00	0.00	10.5	0.00	5.00
CV of Detects		0.423	0.811	0.648	0.628	0.106	0.342	0.730	0.911	0.00	0.00	0.600	0.00	0.156
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft		2					3						
13B-0567-G2AS	0 - 0.5 ft			17				23						
13B-0568-G2AS	0 - 0.5 ft				14			20						
13B-0571-C4AS	0 - 0.5 ft		8					14						
13B-0571-C4BS	0.5 - 1.5 ft		6					8						
13B-0571-C4CS	1.5 - 2.5 ft		2					2						
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft		3					4						
13B-0572-C1CS	1.5 - 2.27 ft							8						
13B-0573-C2BS	0.5 - 1.5 ft			2					3					
13B-0573-C2CS	1.5 - 2.5 ft		1					2						
13B-0573-C2DS	2.5 - 3.75 ft				1				2					
13B-0573-C4AS	0 - 0.5 ft		0					1						
13B-0574-C1BS	0.5 - 1.5 ft		4						4					
13B-0574-C1CS	1.5 - 2.5 ft		8					10						
13B-0574-C2HS	6.4 - 7.4 ft		2						5					
13B-0574-G2AS	0 - 0.5 ft		2						2					
13B-0575-C1AS	0 - 0.5 ft							9						
13B-0575-C1BS	0.5 - 1.5 ft		18				27							
13B-0575-C4CS	1.5 - 2.5 ft		7					9						
13B-0575-C4FS	4.3 - 5.44 ft		2					2						
13B-0577-G1AS	0 - 0.5 ft		5					9						
13B-0578-C5GS	5.25 - 6.25 ft							1						
13B-0578-C6AS	0 - 0.5 ft							13						
13B-0578-C6CS	1.5 - 2.5 ft							7						
13B-0578-C6CT	1.5 - 2.5 ft							5						
13B-0578-C7BS	0.5 - 1.5 ft							4						

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft				0									
13B-0501-C2BS	0.5 - 1.5 ft				2									
13B-0501-C2CS	1.5 - 2.5 ft			1										
13B-0501-C2DS	2.5 - 3.32 ft			3										4
13B-0502-C2BS	0.5 - 1.5 ft				3									
13B-0502-C2CS	1.5 - 2.45 ft			9										
13B-0502-G1AS	0 - 0.5 ft				4									
13B-0503-C1BS	0.5 - 1.5 ft				4									
13B-0503-C1CS	1.5 - 2.5 ft				4									
13B-0503-C2AS	0 - 0.5 ft			7										
13B-0504-C2AS	0 - 0.5 ft		38									43		
13B-0504-C2BS	0.5 - 1.5 ft	32									38			
13B-0504-C2CS	1.5 - 2.5 ft	27									31			
13B-0504-C4KS	9.5 - 10.25 ft			13									16	
13B-0505-C1BS	0.5 - 1.5 ft			7										
13B-0505-C2CS	1.5 - 2.5 ft			4										
13B-0505-C2FS	4.5 - 5.33 ft			7										
13B-0505-G2AS	0 - 0.5 ft	35										39		
13B-0506-C2CS	1.5 - 2.5 ft				1									
13B-0506-C3BS	0.5 - 1.44 ft				2									
13B-0506-G1AS	0 - 0.5 ft			10										14
13B-0507-C2BS	0.5 - 1.5 ft		7										9	
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft			14									16	
13B-0507-C3DS	2.5 - 3.3 ft			6										
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft		9									12		
13B-0509-C2BS	0.5 - 1.5 ft		11									15		
13B-0509-C2CS	1.5 - 2.5 ft		15									17		
13B-0510-C1AS	0 - 0.5 ft		11											13
13B-0510-C1BS	0.5 - 1.7 ft				3									
13B-0511-C1AS	0 - 0.5 ft		26										37	
13B-0511-C1BS	0.5 - 1.5 ft	32									41			
13B-0511-C1CS	1.5 - 2.5 ft											39		

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft		10										12	
13B-0512-G1AS	0 - 0.5 ft		22										25	
13B-0513-G1AS	0 - 0.5 ft		25									29		
13B-0514-G1AS	0 - 0.5 ft		23										29	
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft		32									36		
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft		16									21		
13B-0516-C2LS	10.4 - 11.4 ft	18										22		
13B-0516-C3AS	0 - 0.5 ft			19									25	
13B-0516-C3BS	0.5 - 1.5 ft		15									18		
13B-0517-G2AS	0 - 0.5 ft			1										
13B-0518-G1AS	0 - 0.5 ft			6										6
13B-0518-G1AT	0 - 0.5 ft			5										
13B-0519-C2BS	0.5 - 1.5 ft			9										10
13B-0519-C2CS	1.5 - 2.5 ft		14										17	
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft			7										9
13B-0520-G1AS	0 - 0.5 ft		23										27	
13B-0521-C2HS	6.5 - 7.63 ft	37								43				
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft				3									4
13B-0522-G1AS	0 - 0.5 ft	31										38		
13B-0522-G1AT	0 - 0.5 ft	34									37			
13B-0523-G2AS	0 - 0.5 ft		36										44	
13B-0524-C1BS	0.5 - 1.5 ft	24					27							
13B-0524-C1CS	1.5 - 2.5 ft		23									26		
13B-0524-C1GS	5.39 - 6.39 ft													10
13B-0524-G1AS	0 - 0.5 ft		18			21								
13B-0525-C1BS	0.5 - 1.5 ft		22									28		
13B-0525-C1CS	1.5 - 2.5 ft	25										27		
13B-0525-C1HS	6.42 - 7.42 ft		16										17	
13B-0525-C2AS	0 - 0.5 ft		22									25		

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0526-C1BS	0.5 - 1.5 ft		22										28	
13B-0526-C1HS	6.5 - 7.62 ft			4									5	
13B-0526-C2AS	0 - 0.5 ft		16										18	
13B-0526-C2CS	1.5 - 2.5 ft		24									29		
13B-0526-C2CT	1.5 - 2.5 ft		22										28	
13B-0527-C3BS	0.5 - 1.5 ft			8										10
13B-0527-C3CS	1.5 - 2.31 ft			6										8
13B-0527-C4AS	0 - 0.5 ft	22									25			
13B-0528-C3CS	1.5 - 2.5 ft	27								36				
13B-0528-C3LS	10.5 - 11.54 ft		18									23		
13B-0528-C4AS	0 - 0.5 ft	35										36		
13B-0528-C4BS	0.5 - 1.5 ft	33									38			
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft				1									
13B-0529-C2ES	3.5 - 4.2 ft				1									
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft		47										51	
13B-0530-C4BS	0.5 - 1.5 ft				3									
13B-0530-C4CS	1.5 - 1.62 ft				3									
13B-0531-C1BS	0.5 - 1.5 ft				1									
13B-0531-C1CS	1.5 - 2.3 ft			1										
13B-0531-C2ES	3.5 - 4.42 ft				0									
13B-0531-C3AS	0 - 0.5 ft				1									
13B-0531-C3AT	0 - 0.5 ft				1									
13B-0532-C1BS	0.5 - 1.5 ft				3									
13B-0532-C1CS	1.5 - 2.5 ft		9										13	
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft			10										
13B-0533-C3BS	0.5 - 1.5 ft		27								34			
13B-0533-C3CS	1.5 - 2.5 ft	30									35			
13B-0533-C3JS	8.5 - 9.35 ft									44				
13B-0533-C3JT	8.5 - 9.35 ft	33									38			
13B-0533-G1AS	0 - 0.5 ft			35										40
13B-0533-G1AT	0 - 0.5 ft			30										40

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft	22											26	
13B-0534-C2CS	1.5 - 2.5 ft		22									25		
13B-0534-C2IS	7.5 - 8.59 ft	28									34			
13B-0534-G1AS	0 - 0.5 ft		27										29	
13B-0534-G1AT	0 - 0.5 ft		31										37	
13B-0535-C2BS	0.5 - 1.5 ft				1								1	
13B-0535-C2CS	1.5 - 2.45 ft			1										2
13B-0535-G1AS	0 - 0.5 ft		16										17	
13B-0536-C1BS	0.5 - 1.5 ft		12									18		
13B-0536-C1CS	1.5 - 2.5 ft	19									25			
13B-0536-C1FS	4.28 - 5.28 ft									31				
13B-0536-C3AS	0 - 0.5 ft	14										17		
13B-0537-C2AS	0 - 0.5 ft			8										10
13B-0538-C2AS	0 - 0.5 ft	26										31		
13B-0538-C3BS	0.5 - 1.5 ft	34									40			
13B-0538-C3CS	1.5 - 2.5 ft	22										27		
13B-0538-C3ES	3.5 - 4.8 ft		7											9
13B-0539-C3BS	0.5 - 1.5 ft	26									30			
13B-0539-C3CS	1.5 - 2.5 ft	27									33			
13B-0539-C3HS	6.5 - 7.59 ft			6										8
13B-0539-G2AS	0 - 0.5 ft			14									18	
13B-0539-G2AT	0 - 0.5 ft		16									21		
13B-0540-C3AS	0 - 0.5 ft			24									32	
13B-0540-C3BS	0.5 - 1.5 ft		19										21	
13B-0540-C3CS	1.5 - 2.5 ft		22									28		
13B-0540-C4LS	10.3 - 11.25 ft		13									16		
13B-0541-C1CS	1.5 - 2.5 ft	20							26					
13B-0541-C1FS	4.5 - 5.67 ft			2										
13B-0541-C2AS	0 - 0.5 ft		23										29	
13B-0541-C2BS	0.5 - 1.5 ft	9											11	
13B-0542-C2BS	0.5 - 1.5 ft			4										7
13B-0542-C2CS	1.5 - 2.5 ft		9										10	
13B-0542-C2HS	6.5 - 7.55 ft				1									
13B-0542-C3AS	0 - 0.5 ft			8										11

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0543-G1AS	0 - 0.5 ft			16										18
13B-0544-C1AS	0 - 0.5 ft			6										8
13B-0544-C1ES	3.5 - 4.33 ft			8										11
13B-0544-C2BS	0.5 - 1.5 ft		10										11	
13B-0544-C2CS	1.5 - 2.5 ft		16										19	
13B-0546-G2AS	0 - 0.5 ft				2									
13B-0547-C2HS	6.5 - 7.15 ft			5										
13B-0547-C3BS	0.5 - 1.5 ft			20										
13B-0547-C3CS	1.5 - 2.5 ft		22									25		
13B-0547-G1AS	0 - 0.5 ft		36									46		
13B-0548-C1IS	7.5 - 8.79 ft			5										5
13B-0548-C2AS	0 - 0.5 ft			9									11	
13B-0548-C2BS	0.5 - 1.5 ft			8										9
13B-0548-C2BT	0.5 - 1.5 ft			7										9
13B-0548-C2CS	1.5 - 2.5 ft	14									18			
13B-0549-C2AS	0 - 0.5 ft			12										13
13B-0549-C3BS	0.5 - 1.5 ft				3									
13B-0549-C3CS	1.5 - 2.65 ft			5										
13B-0550-C1AS	0 - 0.5 ft			12										15
13B-0550-C3BS	0.5 - 1.5 ft			9										12
13B-0550-C3CS	1.5 - 2.5 ft			11										13
13B-0550-C3FS	4.5 - 5.37 ft			7										
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft			3										
13B-0552-C1BS	0.5 - 1.5 ft			4										
13B-0552-C2AS	0 - 0.5 ft			23										27
13B-0552-C2CS	1.5 - 2.5 ft			2										
13B-0552-C2CT	1.5 - 2.5 ft			3										
13B-0553-C1AS	0 - 0.5 ft			7									8	
13B-0553-C2BS	0.5 - 1.5 ft		13								16			
13B-0553-C2CS	1.5 - 2.5 ft	19								25				
13B-0554-C1BS	0.5 - 1.5 ft		14									17		
13B-0554-C1CS	1.5 - 2.5 ft		11										15	
13B-0554-C1ES	3.5 - 4.7 ft									19				

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft			8										
13B-0555-C2AS	0 - 0.5 ft	36										44		
13B-0555-C2BS	0.5 - 1.5 ft	35									43			
13B-0555-C2CS	1.5 - 2 ft	34									43			
13B-0555-C2DS	2 - 3 ft	26								30				
13B-0556-C1BS	0.5 - 1.5 ft			9										10
13B-0556-C1CS	1.5 - 2.5 ft			9										11
13B-0556-C3AS	0 - 0.5 ft		10											11
13B-0557-C1AS	0 - 0.5 ft			14										16
13B-0557-C2BS	0.5 - 1.5 ft	25										28		
13B-0557-C2CS	1.5 - 2.5 ft		25										28	
13B-0557-C2ES	3.5 - 4.5 ft			14									17	
13B-0558-C2CS	1.5 - 2.5 ft		14									18		
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft			5										6
13B-0558-C3BS	0.5 - 1.5 ft		12										13	
13B-0559-C2BS	0.5 - 1.5 ft			13										15
13B-0559-C2CS	1.5 - 2.5 ft		21									27		
13B-0559-C2GS	5.5 - 646 ft		9											11
13B-0559-G1AS	0 - 0.5 ft			3										
13B-0560-C3AS	0 - 0.5 ft				2									
13B-0560-C3BS	0.5 - 1.5 ft			13										17
13B-0560-C3CS	1.5 - 2.5 ft		11										12	
13B-0560-C3GS	4.9 - 6.5 ft							37						
13B-0561-C1CS	1.5 - 2.5 ft			2										3
13B-0561-C2AS	0 - 0.5 ft			4										6
13B-0561-C2BS	0.5 - 1.5 ft		12										12	
13B-0562-G1AS	0 - 0.5 ft			5										
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft		35									39		
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft				2									
13B-0564-G2AS	0 - 0.5 ft		39										41	
13B-0565-G1AS	0 - 0.5 ft				5									

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0045 mm	HYDROMETER READING, PERCENT FINER THAN 0.0046 mm	HYDROMETER READING, PERCENT FINER THAN 0.0047 mm	HYDROMETER READING, PERCENT FINER THAN 0.0048 mm	HYDROMETER READING, PERCENT FINER THAN 0.0053 mm	HYDROMETER READING, PERCENT FINER THAN 0.0054 mm	HYDROMETER READING, PERCENT FINER THAN 0.0057 mm	HYDROMETER READING, PERCENT FINER THAN 0.0061 mm	HYDROMETER READING, PERCENT FINER THAN 0.0062 mm	HYDROMETER READING, PERCENT FINER THAN 0.0063 mm	HYDROMETER READING, PERCENT FINER THAN 0.0064 mm	HYDROMETER READING, PERCENT FINER THAN 0.0065 mm	HYDROMETER READING, PERCENT FINER THAN 0.0066 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	7	1	0	21	27	37	26	19	16	12	1	2
Maximum Detect		37	47	35	6	21	27	37	26	44	43	46	51	40
Mean of Detects		27.0	19.0	8.24	2.30	21.0	27.0	37.0	26.0	32.6	33.3	27.7	19.3	11.6
St. Dev. of Detects		7.01	8.82	6.30	1.39	0.00	0.00	0.00	0.00	8.47	7.69	8.85	10.7	7.71
CV of Detects		0.260	0.465	0.764	0.606	0.00	0.00	0.00	0.00	0.260	0.231	0.320	0.553	0.663
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0566-G3AS	0 - 0.5 ft			4										
13B-0567-G2AS	0 - 0.5 ft		29									35		
13B-0568-G2AS	0 - 0.5 ft		25									29		
13B-0571-C4AS	0 - 0.5 ft		17										19	
13B-0571-C4BS	0.5 - 1.5 ft			10									12	
13B-0571-C4CS	1.5 - 2.5 ft			2										
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft		7										8	
13B-0572-C1CS	1.5 - 2.27 ft			9										
13B-0573-C2BS	0.5 - 1.5 ft			3										
13B-0573-C2CS	1.5 - 2.5 ft			2									4	
13B-0573-C2DS	2.5 - 3.75 ft				2									
13B-0573-C4AS	0 - 0.5 ft			1										
13B-0574-C1BS	0.5 - 1.5 ft				6									
13B-0574-C1CS	1.5 - 2.5 ft			12										15
13B-0574-C2HS	6.4 - 7.4 ft			7										10
13B-0574-G2AS	0 - 0.5 ft				2									
13B-0575-C1AS	0 - 0.5 ft			10									11	
13B-0575-C1BS	0.5 - 1.5 ft	33										38		
13B-0575-C4CS	1.5 - 2.5 ft		11										12	
13B-0575-C4FS	4.3 - 5.44 ft				3									
13B-0577-G1AS	0 - 0.5 ft		12										13	
13B-0578-C5GS	5.25 - 6.25 ft			2										
13B-0578-C6AS	0 - 0.5 ft		15										19	
13B-0578-C6CS	1.5 - 2.5 ft		8										11	
13B-0578-C6CT	1.5 - 2.5 ft			6										8
13B-0578-C7BS	0.5 - 1.5 ft			5										6

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft		0											
13B-0501-C2BS	0.5 - 1.5 ft	3												
13B-0501-C2CS	1.5 - 2.5 ft	2												
13B-0501-C2DS	2.5 - 3.32 ft													7
13B-0502-C2BS	0.5 - 1.5 ft		5											
13B-0502-C2CS	1.5 - 2.45 ft	11											15	
13B-0502-G1AS	0 - 0.5 ft		5											
13B-0503-C1BS	0.5 - 1.5 ft	5												
13B-0503-C1CS	1.5 - 2.5 ft	5												
13B-0503-C2AS	0 - 0.5 ft	9												
13B-0504-C2AS	0 - 0.5 ft										52			
13B-0504-C2BS	0.5 - 1.5 ft								47					
13B-0504-C2CS	1.5 - 2.5 ft							40						
13B-0504-C4KS	9.5 - 10.25 ft											20		
13B-0505-C1BS	0.5 - 1.5 ft	8												
13B-0505-C2CS	1.5 - 2.5 ft	4												6
13B-0505-C2FS	4.5 - 5.33 ft	9												
13B-0505-G2AS	0 - 0.5 ft								46					
13B-0506-C2CS	1.5 - 2.5 ft		2											
13B-0506-C3BS	0.5 - 1.44 ft	4						4						
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft											11		
13B-0507-C2CS	1.5 - 2.5 ft	8												
13B-0507-C3AS	0 - 0.5 ft												19	
13B-0507-C3DS	2.5 - 3.3 ft	7												
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft											14		
13B-0509-C2BS	0.5 - 1.5 ft									20				
13B-0509-C2CS	1.5 - 2.5 ft									26				
13B-0510-C1AS	0 - 0.5 ft													18
13B-0510-C1BS	0.5 - 1.7 ft		5											
13B-0511-C1AS	0 - 0.5 ft											44		
13B-0511-C1BS	0.5 - 1.5 ft								49					
13B-0511-C1CS	1.5 - 2.5 ft								47					

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0511-C3HS	5.95 - 6.95 ft												13	
13B-0512-G1AS	0 - 0.5 ft												32	
13B-0513-G1AS	0 - 0.5 ft										38			
13B-0514-G1AS	0 - 0.5 ft												35	
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft										43			
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft										28			
13B-0516-C2LS	10.4 - 11.4 ft									26				
13B-0516-C3AS	0 - 0.5 ft											28		
13B-0516-C3BS	0.5 - 1.5 ft									23				
13B-0517-G2AS	0 - 0.5 ft	1												
13B-0518-G1AS	0 - 0.5 ft													8
13B-0518-G1AT	0 - 0.5 ft	6												
13B-0519-C2BS	0.5 - 1.5 ft												11	
13B-0519-C2CS	1.5 - 2.5 ft										19			
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													10
13B-0520-G1AS	0 - 0.5 ft											35		
13B-0521-C2HS	6.5 - 7.63 ft							49						
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													6
13B-0522-G1AS	0 - 0.5 ft								44					
13B-0522-G1AT	0 - 0.5 ft								48					
13B-0523-G2AS	0 - 0.5 ft											55		
13B-0524-C1BS	0.5 - 1.5 ft									33				
13B-0524-C1CS	1.5 - 2.5 ft								33					
13B-0524-C1GS	5.39 - 6.39 ft													14
13B-0524-G1AS	0 - 0.5 ft											24		
13B-0525-C1BS	0.5 - 1.5 ft								33					
13B-0525-C1CS	1.5 - 2.5 ft									35				
13B-0525-C1HS	6.42 - 7.42 ft											20		
13B-0525-C2AS	0 - 0.5 ft									34				

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft											35		
13B-0526-C1HS	6.5 - 7.62 ft													5
13B-0526-C2AS	0 - 0.5 ft									22				
13B-0526-C2CS	1.5 - 2.5 ft										36			
13B-0526-C2CT	1.5 - 2.5 ft											36		
13B-0527-C3BS	0.5 - 1.5 ft												12	
13B-0527-C3CS	1.5 - 2.31 ft													9
13B-0527-C4AS	0 - 0.5 ft									29				
13B-0528-C3CS	1.5 - 2.5 ft							43						
13B-0528-C3LS	10.5 - 11.54 ft									29				
13B-0528-C4AS	0 - 0.5 ft										39			
13B-0528-C4BS	0.5 - 1.5 ft								49					
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft	1												
13B-0529-C2ES	3.5 - 4.2 ft	2												
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft												62	
13B-0530-C4BS	0.5 - 1.5 ft		5											
13B-0530-C4CS	1.5 - 1.62 ft		3											
13B-0531-C1BS	0.5 - 1.5 ft		1											
13B-0531-C1CS	1.5 - 2.3 ft	1												
13B-0531-C2ES	3.5 - 4.42 ft	1												
13B-0531-C3AS	0 - 0.5 ft		1											
13B-0531-C3AT	0 - 0.5 ft	2												
13B-0532-C1BS	0.5 - 1.5 ft	3												
13B-0532-C1CS	1.5 - 2.5 ft									17				
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft	12												
13B-0533-C3BS	0.5 - 1.5 ft										40			
13B-0533-C3CS	1.5 - 2.5 ft								38					
13B-0533-C3JS	8.5 - 9.35 ft					51								
13B-0533-C3JT	8.5 - 9.35 ft						48							
13B-0533-G1AS	0 - 0.5 ft											50		
13B-0533-G1AT	0 - 0.5 ft													44

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0534-C2BS	0.5 - 1.5 ft										30			
13B-0534-C2CS	1.5 - 2.5 ft										30			
13B-0534-C2IS	7.5 - 8.59 ft								40					
13B-0534-G1AS	0 - 0.5 ft											36		
13B-0534-G1AT	0 - 0.5 ft											42		
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft											22		
13B-0536-C1BS	0.5 - 1.5 ft									23				
13B-0536-C1CS	1.5 - 2.5 ft							33						
13B-0536-C1FS	4.28 - 5.28 ft						40							
13B-0536-C3AS	0 - 0.5 ft								23					
13B-0537-C2AS	0 - 0.5 ft													12
13B-0538-C2AS	0 - 0.5 ft									39				
13B-0538-C3BS	0.5 - 1.5 ft							54						
13B-0538-C3CS	1.5 - 2.5 ft								35					
13B-0538-C3ES	3.5 - 4.8 ft												11	
13B-0539-C3BS	0.5 - 1.5 ft							37						
13B-0539-C3CS	1.5 - 2.5 ft							39						
13B-0539-C3HS	6.5 - 7.59 ft													9
13B-0539-G2AS	0 - 0.5 ft												23	
13B-0539-G2AT	0 - 0.5 ft										25			
13B-0540-C3AS	0 - 0.5 ft											38		
13B-0540-C3BS	0.5 - 1.5 ft										27			
13B-0540-C3CS	1.5 - 2.5 ft										32			
13B-0540-C4LS	10.3 - 11.25 ft								21					
13B-0541-C1CS	1.5 - 2.5 ft					35								
13B-0541-C1FS	4.5 - 5.67 ft	3												
13B-0541-C2AS	0 - 0.5 ft												36	
13B-0541-C2BS	0.5 - 1.5 ft												13	
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft												13	
13B-0542-C2HS	6.5 - 7.55 ft	2												
13B-0542-C3AS	0 - 0.5 ft													14

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft												23	
13B-0544-C1AS	0 - 0.5 ft													10
13B-0544-C1ES	3.5 - 4.33 ft												14	
13B-0544-C2BS	0.5 - 1.5 ft										15			
13B-0544-C2CS	1.5 - 2.5 ft											26		
13B-0546-G2AS	0 - 0.5 ft		2											
13B-0547-C2HS	6.5 - 7.15 ft	5												
13B-0547-C3BS	0.5 - 1.5 ft	27												
13B-0547-C3CS	1.5 - 2.5 ft										30			
13B-0547-G1AS	0 - 0.5 ft											50		
13B-0548-C1IS	7.5 - 8.79 ft													6
13B-0548-C2AS	0 - 0.5 ft												13	
13B-0548-C2BS	0.5 - 1.5 ft												12	
13B-0548-C2BT	0.5 - 1.5 ft													13
13B-0548-C2CS	1.5 - 2.5 ft								22					
13B-0549-C2AS	0 - 0.5 ft												17	
13B-0549-C3BS	0.5 - 1.5 ft	4												
13B-0549-C3CS	1.5 - 2.65 ft	5												8
13B-0550-C1AS	0 - 0.5 ft													18
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft												15	
13B-0550-C3FS	4.5 - 5.37 ft	9												
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft	4												
13B-0552-C1BS	0.5 - 1.5 ft	5												
13B-0552-C2AS	0 - 0.5 ft									34				
13B-0552-C2CS	1.5 - 2.5 ft	2												
13B-0552-C2CT	1.5 - 2.5 ft	3												
13B-0553-C1AS	0 - 0.5 ft											11		
13B-0553-C2BS	0.5 - 1.5 ft										21			
13B-0553-C2CS	1.5 - 2.5 ft						33							
13B-0554-C1BS	0.5 - 1.5 ft									21				
13B-0554-C1CS	1.5 - 2.5 ft									17				
13B-0554-C1ES	3.5 - 4.7 ft									24				

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft	11												
13B-0555-C2AS	0 - 0.5 ft									57				
13B-0555-C2BS	0.5 - 1.5 ft							53						
13B-0555-C2CS	1.5 - 2 ft								54					
13B-0555-C2DS	2 - 3 ft						39							
13B-0556-C1BS	0.5 - 1.5 ft													13
13B-0556-C1CS	1.5 - 2.5 ft													14
13B-0556-C3AS	0 - 0.5 ft													14
13B-0557-C1AS	0 - 0.5 ft					16								
13B-0557-C2BS	0.5 - 1.5 ft										31			
13B-0557-C2CS	1.5 - 2.5 ft											30		
13B-0557-C2ES	3.5 - 4.5 ft												19	
13B-0558-C2CS	1.5 - 2.5 ft									24				
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft											17		
13B-0559-C2BS	0.5 - 1.5 ft												21	
13B-0559-C2CS	1.5 - 2.5 ft										32			
13B-0559-C2GS	5.5 - 646 ft													13
13B-0559-G1AS	0 - 0.5 ft		5											
13B-0560-C3AS	0 - 0.5 ft		2											
13B-0560-C3BS	0.5 - 1.5 ft											20		
13B-0560-C3CS	1.5 - 2.5 ft												18	
13B-0560-C3GS	4.9 - 6.5 ft			45										
13B-0561-C1CS	1.5 - 2.5 ft													5
13B-0561-C2AS	0 - 0.5 ft												9	
13B-0561-C2BS	0.5 - 1.5 ft											15		
13B-0562-G1AS	0 - 0.5 ft	6												
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft										48			
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft		2											
13B-0564-G2AS	0 - 0.5 ft										54			
13B-0565-G1AS	0 - 0.5 ft		5											

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0067 mm	HYDROMETER READING, PERCENT FINER THAN 0.0068 mm	HYDROMETER READING, PERCENT FINER THAN 0.0078 mm	HYDROMETER READING, PERCENT FINER THAN 0.0080 mm	HYDROMETER READING, PERCENT FINER THAN 0.0085 mm	HYDROMETER READING, PERCENT FINER THAN 0.0086 mm	HYDROMETER READING, PERCENT FINER THAN 0.0087 mm	HYDROMETER READING, PERCENT FINER THAN 0.0088 mm	HYDROMETER READING, PERCENT FINER THAN 0.0089 mm	HYDROMETER READING, PERCENT FINER THAN 0.0090 mm	HYDROMETER READING, PERCENT FINER THAN 0.0091 mm	HYDROMETER READING, PERCENT FINER THAN 0.0092 mm	HYDROMETER READING, PERCENT FINER THAN 0.0093 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		1	0	45	17	16	33	4	21	17	15	10	2	2
Maximum Detect		27	5	45	17	51	48	54	54	57	54	55	62	44
Mean of Detects		5.33	2.94	45.0	17.0	34.0	40.0	39.1	40.0	28.1	33.5	27.4	18.0	11.2
St. Dev. of Detects		4.57	1.71	0.00	0.00	14.3	5.34	14.2	10.3	9.15	9.97	12.9	11.2	7.72
CV of Detects		0.857	0.583	0.00	0.00	0.421	0.133	0.362	0.257	0.326	0.298	0.471	0.619	0.689
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft	5												7
13B-0567-G2AS	0 - 0.5 ft										43			
13B-0568-G2AS	0 - 0.5 ft										35			
13B-0571-C4AS	0 - 0.5 ft										22			
13B-0571-C4BS	0.5 - 1.5 ft												14	
13B-0571-C4CS	1.5 - 2.5 ft	2												
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft											10		
13B-0572-C1CS	1.5 - 2.27 ft	11												
13B-0573-C2BS	0.5 - 1.5 ft	4												
13B-0573-C2CS	1.5 - 2.5 ft													6
13B-0573-C2DS	2.5 - 3.75 ft		2											
13B-0573-C4AS	0 - 0.5 ft	1												2
13B-0574-C1BS	0.5 - 1.5 ft	6												
13B-0574-C1CS	1.5 - 2.5 ft				17									
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft		2											
13B-0575-C1AS	0 - 0.5 ft												13	
13B-0575-C1BS	0.5 - 1.5 ft								51					
13B-0575-C4CS	1.5 - 2.5 ft											15		
13B-0575-C4FS	4.3 - 5.44 ft	3												
13B-0577-G1AS	0 - 0.5 ft												17	
13B-0578-C5GS	5.25 - 6.25 ft	2											2	
13B-0578-C6AS	0 - 0.5 ft											21		
13B-0578-C6CS	1.5 - 2.5 ft											15		
13B-0578-C6CT	1.5 - 2.5 ft												13	
13B-0578-C7BS	0.5 - 1.5 ft												8	

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft			1										
13B-0501-C2BS	0.5 - 1.5 ft		4											
13B-0501-C2CS	1.5 - 2.5 ft	3												
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft		6											
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft			6										
13B-0503-C1BS	0.5 - 1.5 ft		5											
13B-0503-C1CS	1.5 - 2.5 ft		7											
13B-0503-C2AS	0 - 0.5 ft		10											
13B-0504-C2AS	0 - 0.5 ft										61			
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft									47				
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft	9												
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft	10												
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft		3											
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft	16											21	
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft		10											
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft	8												
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft										33			
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft			6										
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft	2												
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft	7												
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft										60			
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft												53	
13B-0522-G1AT	0 - 0.5 ft													56
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													38
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

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DATA RESULTS SUMMARY
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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft												31	
13B-0528-C3CS	1.5 - 2.5 ft												52	
13B-0528-C3LS	10.5 - 11.54 ft												35	
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													54
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft		1											
13B-0529-C2ES	3.5 - 4.2 ft		2											
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft	7												
13B-0530-C4CS	1.5 - 1.62 ft			5										
13B-0531-C1BS	0.5 - 1.5 ft			3										
13B-0531-C1CS	1.5 - 2.3 ft		1											
13B-0531-C2ES	3.5 - 4.42 ft		2											
13B-0531-C3AS	0 - 0.5 ft			3										
13B-0531-C3AT	0 - 0.5 ft	2												
13B-0532-C1BS	0.5 - 1.5 ft	5												
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft	15												
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft						43							
13B-0533-C3JS	8.5 - 9.35 ft									61				
13B-0533-C3JT	8.5 - 9.35 ft										55			
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft												51	
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft	3												
13B-0535-C2CS	1.5 - 2.45 ft		2											
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft												33	
13B-0536-C1CS	1.5 - 2.5 ft									42				
13B-0536-C1FS	4.28 - 5.28 ft										49			
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft											65		
13B-0538-C3CS	1.5 - 2.5 ft												44	
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft												43	
13B-0539-C3CS	1.5 - 2.5 ft												48	
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft												28	
13B-0541-C1CS	1.5 - 2.5 ft							47						
13B-0541-C1FS	4.5 - 5.67 ft	3												
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft	10												
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft		3											
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft								17					
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft		3											
13B-0547-C2HS	6.5 - 7.15 ft	7												
13B-0547-C3BS	0.5 - 1.5 ft		33											
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													27
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft	5												
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft	15												
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft	10												11
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft		4											
13B-0552-C1BS	0.5 - 1.5 ft	6												
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft		3											
13B-0552-C2CT	1.5 - 2.5 ft	4												
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft								44					
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft	15												
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													64
13B-0555-C2CS	1.5 - 2 ft												61	
13B-0555-C2DS	2 - 3 ft									49				
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft	7												
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft		5											
13B-0560-C3AS	0 - 0.5 ft			3										
13B-0560-C3BS	0.5 - 1.5 ft												22	
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft					52								
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft	6												
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft		2											
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft		6											

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0094 mm	HYDROMETER READING, PERCENT FINER THAN 0.0095 mm	HYDROMETER READING, PERCENT FINER THAN 0.0096 mm	HYDROMETER READING, PERCENT FINER THAN 0.0097 mm	HYDROMETER READING, PERCENT FINER THAN 0.0105 mm	HYDROMETER READING, PERCENT FINER THAN 0.0108 mm	HYDROMETER READING, PERCENT FINER THAN 0.0114 mm	HYDROMETER READING, PERCENT FINER THAN 0.0116 mm	HYDROMETER READING, PERCENT FINER THAN 0.0118 mm	HYDROMETER READING, PERCENT FINER THAN 0.0119 mm	HYDROMETER READING, PERCENT FINER THAN 0.0120 mm	HYDROMETER READING, PERCENT FINER THAN 0.0121 mm	HYDROMETER READING, PERCENT FINER THAN 0.0122 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		2	1	1	4	52	43	47	17	42	33	65	21	11
Maximum Detect		16	33	6	4	52	43	47	44	61	61	65	61	64
Mean of Detects		7.93	5.55	3.75	4.00	52.0	43.0	47.0	30.5	49.8	51.6	65.0	40.2	41.7
St. Dev. of Detects		4.19	6.46	1.64	0.00	0.00	0.00	0.00	13.5	6.98	10.2	0.00	12.2	18.4
CV of Detects		0.529	1.17	0.437	0.00	0.00	0.00	0.00	0.443	0.140	0.198	0.00	0.305	0.441
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft	6												
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft	14												
13B-0573-C2BS	0.5 - 1.5 ft		5											
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft				4									
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft	7												
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft	12												
13B-0574-G2AS	0 - 0.5 ft			3										
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft		5											
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft												3	
13B-0501-C2BS	0.5 - 1.5 ft											5		
13B-0501-C2CS	1.5 - 2.5 ft												3	
13B-0501-C2DS	2.5 - 3.32 ft									8				
13B-0502-C2BS	0.5 - 1.5 ft												8	
13B-0502-C2CS	1.5 - 2.45 ft									18				
13B-0502-G1AS	0 - 0.5 ft									7				
13B-0503-C1BS	0.5 - 1.5 ft										7			
13B-0503-C1CS	1.5 - 2.5 ft												8	
13B-0503-C2AS	0 - 0.5 ft										12			
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft		52											
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft				24									
13B-0505-C1BS	0.5 - 1.5 ft	9												
13B-0505-C2CS	1.5 - 2.5 ft										6			
13B-0505-C2FS	4.5 - 5.33 ft										13			
13B-0505-G2AS	0 - 0.5 ft			58										
13B-0506-C2CS	1.5 - 2.5 ft												5	
13B-0506-C3BS	0.5 - 1.44 ft												7	
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft						15							
13B-0507-C2CS	1.5 - 2.5 ft											13		
13B-0507-C3AS	0 - 0.5 ft								23					
13B-0507-C3DS	2.5 - 3.3 ft										11			
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft						18							
13B-0509-C2BS	0.5 - 1.5 ft		24											
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft							20						
13B-0510-C1BS	0.5 - 1.7 ft													8
13B-0511-C1AS	0 - 0.5 ft						55							
13B-0511-C1BS	0.5 - 1.5 ft	58												
13B-0511-C1CS	1.5 - 2.5 ft	56												

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft								17					
13B-0512-G1AS	0 - 0.5 ft				35									
13B-0513-G1AS	0 - 0.5 ft	48												
13B-0514-G1AS	0 - 0.5 ft								39					
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft			54										
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft				32									
13B-0516-C2LS	10.4 - 11.4 ft		32											
13B-0516-C3AS	0 - 0.5 ft				36									
13B-0516-C3BS	0.5 - 1.5 ft	26												
13B-0517-G2AS	0 - 0.5 ft									2				
13B-0518-G1AS	0 - 0.5 ft										8			
13B-0518-G1AT	0 - 0.5 ft										9			
13B-0519-C2BS	0.5 - 1.5 ft										14			
13B-0519-C2CS	1.5 - 2.5 ft					24								
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft							13						
13B-0520-G1AS	0 - 0.5 ft					40								
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft											7		
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft					64								
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft					39								
13B-0524-C1GS	5.39 - 6.39 ft							19						
13B-0524-G1AS	0 - 0.5 ft				30									
13B-0525-C1BS	0.5 - 1.5 ft		39											
13B-0525-C1CS	1.5 - 2.5 ft	40												
13B-0525-C1HS	6.42 - 7.42 ft						22							
13B-0525-C2AS	0 - 0.5 ft			38										

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft						45							
13B-0526-C1HS	6.5 - 7.62 ft									5				
13B-0526-C2AS	0 - 0.5 ft					26								
13B-0526-C2CS	1.5 - 2.5 ft			46										
13B-0526-C2CT	1.5 - 2.5 ft				47									
13B-0527-C3BS	0.5 - 1.5 ft								17					
13B-0527-C3CS	1.5 - 2.31 ft									12				
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft	57												
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft												2	
13B-0529-C2ES	3.5 - 4.2 ft											3		
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft							67						
13B-0530-C4BS	0.5 - 1.5 ft									8				
13B-0530-C4CS	1.5 - 1.62 ft										7			
13B-0531-C1BS	0.5 - 1.5 ft													3
13B-0531-C1CS	1.5 - 2.3 ft													1
13B-0531-C2ES	3.5 - 4.42 ft												3	
13B-0531-C3AS	0 - 0.5 ft													4
13B-0531-C3AT	0 - 0.5 ft									4				
13B-0532-C1BS	0.5 - 1.5 ft									6				
13B-0532-C1CS	1.5 - 2.5 ft	24												
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft									19				
13B-0533-C3BS	0.5 - 1.5 ft			51										
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft						60							
13B-0533-G1AT	0 - 0.5 ft								54					

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft					38								
13B-0534-C2CS	1.5 - 2.5 ft			38										
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft					44								
13B-0534-G1AT	0 - 0.5 ft					47								
13B-0535-C2BS	0.5 - 1.5 ft												5	
13B-0535-C2CS	1.5 - 2.45 ft										3			
13B-0535-G1AS	0 - 0.5 ft			25										
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft			28										
13B-0537-C2AS	0 - 0.5 ft							16						
13B-0538-C2AS	0 - 0.5 ft	46												
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft								14					
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft						12							
13B-0539-G2AS	0 - 0.5 ft			27										
13B-0539-G2AT	0 - 0.5 ft			30										
13B-0540-C3AS	0 - 0.5 ft		46											
13B-0540-C3BS	0.5 - 1.5 ft		33											
13B-0540-C3CS	1.5 - 2.5 ft			40										
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft										4			
13B-0541-C2AS	0 - 0.5 ft			44										
13B-0541-C2BS	0.5 - 1.5 ft							16						
13B-0542-C2BS	0.5 - 1.5 ft								13					
13B-0542-C2CS	1.5 - 2.5 ft				15									
13B-0542-C2HS	6.5 - 7.55 ft							4						
13B-0542-C3AS	0 - 0.5 ft						18							

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft							28						
13B-0544-C1AS	0 - 0.5 ft										12			
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft					17								
13B-0544-C2CS	1.5 - 2.5 ft			31										
13B-0546-G2AS	0 - 0.5 ft											3		
13B-0547-C2HS	6.5 - 7.15 ft											8		
13B-0547-C3BS	0.5 - 1.5 ft												40	
13B-0547-C3CS	1.5 - 2.5 ft					35								
13B-0547-G1AS	0 - 0.5 ft				59									
13B-0548-C1IS	7.5 - 8.79 ft										8			
13B-0548-C2AS	0 - 0.5 ft						17							
13B-0548-C2BS	0.5 - 1.5 ft							16						
13B-0548-C2BT	0.5 - 1.5 ft									15				
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft							22						
13B-0549-C3BS	0.5 - 1.5 ft										8			
13B-0549-C3CS	1.5 - 2.65 ft								9					
13B-0550-C1AS	0 - 0.5 ft							21						
13B-0550-C3BS	0.5 - 1.5 ft											18		
13B-0550-C3CS	1.5 - 2.5 ft									18				
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft												7	
13B-0552-C1BS	0.5 - 1.5 ft										8			
13B-0552-C2AS	0 - 0.5 ft					43								
13B-0552-C2CS	1.5 - 2.5 ft											5		
13B-0552-C2CT	1.5 - 2.5 ft										6			
13B-0553-C1AS	0 - 0.5 ft						14							
13B-0553-C2BS	0.5 - 1.5 ft		28											
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft		24											
13B-0554-C1CS	1.5 - 2.5 ft				18									
13B-0554-C1ES	3.5 - 4.7 ft			28										

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**
Analyte		**HYDROMETER READING, PERCENT FINER THAN 0.0123 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0124 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0125 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0126 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0127 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0128 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0129 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0130 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0131 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0132 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0133 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0134 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0135 mm**
Unit		**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Minimum Detect		**9**	**24**	**25**	**15**	**7**	**11**	**4**	**6**	**2**	**3**	**3**	**2**	**1**
Maximum Detect		**58**	**68**	**68**	**59**	**64**	**60**	**67**	**54**	**19**	**19**	**18**	**40**	**8**
Mean of Detects		**39.4**	**38.4**	**41.4**	**30.6**	**35.1**	**26.1**	**21.1**	**20.2**	**10.7**	**8.95**	**7.73**	**7.29**	**4.17**
St. Dev. of Detects		**16.1**	**13.8**	**12.1**	**13.0**	**14.4**	**15.7**	**12.2**	**12.3**	**5.34**	**3.60**	**4.84**	**9.28**	**2.27**
CV of Detects		**0.408**	**0.359**	**0.292**	**0.425**	**0.411**	**0.600**	**0.579**	**0.612**	**0.500**	**0.402**	**0.627**	**1.27**	**0.544**
% Detected		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Sample ID	**Depth Interval**													
13B-0554-G2AS	0 - 0.5 ft										19			
13B-0555-C2AS	0 - 0.5 ft		68											
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft									16				
13B-0556-C1CS	1.5 - 2.5 ft								18					
13B-0556-C3AS	0 - 0.5 ft									19				
13B-0557-C1AS	0 - 0.5 ft							25						
13B-0557-C2BS	0.5 - 1.5 ft			37										
13B-0557-C2CS	1.5 - 2.5 ft						37							
13B-0557-C2ES	3.5 - 4.5 ft							24						
13B-0558-C2CS	1.5 - 2.5 ft	31												
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft										8			
13B-0558-C3BS	0.5 - 1.5 ft	21												
13B-0559-C2BS	0.5 - 1.5 ft						23							
13B-0559-C2CS	1.5 - 2.5 ft				38									
13B-0559-C2GS	5.5 - 646 ft									14				
13B-0559-G1AS	0 - 0.5 ft													6
13B-0560-C3AS	0 - 0.5 ft												3	
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft							21						
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft										7			
13B-0561-C2AS	0 - 0.5 ft							11						
13B-0561-C2BS	0.5 - 1.5 ft				17									
13B-0562-G1AS	0 - 0.5 ft									8				
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft					54								
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													3
13B-0564-G2AS	0 - 0.5 ft			68										
13B-0565-G1AS	0 - 0.5 ft					7								

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0123 mm	HYDROMETER READING, PERCENT FINER THAN 0.0124 mm	HYDROMETER READING, PERCENT FINER THAN 0.0125 mm	HYDROMETER READING, PERCENT FINER THAN 0.0126 mm	HYDROMETER READING, PERCENT FINER THAN 0.0127 mm	HYDROMETER READING, PERCENT FINER THAN 0.0128 mm	HYDROMETER READING, PERCENT FINER THAN 0.0129 mm	HYDROMETER READING, PERCENT FINER THAN 0.0130 mm	HYDROMETER READING, PERCENT FINER THAN 0.0131 mm	HYDROMETER READING, PERCENT FINER THAN 0.0132 mm	HYDROMETER READING, PERCENT FINER THAN 0.0133 mm	HYDROMETER READING, PERCENT FINER THAN 0.0134 mm	HYDROMETER READING, PERCENT FINER THAN 0.0135 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		9	24	25	15	7	11	4	6	2	3	3	2	1
Maximum Detect		58	68	68	59	64	60	67	54	19	19	18	40	8
Mean of Detects		39.4	38.4	41.4	30.6	35.1	26.1	21.1	20.2	10.7	8.95	7.73	7.29	4.17
St. Dev. of Detects		16.1	13.8	12.1	13.0	14.4	15.7	12.2	12.3	5.34	3.60	4.84	9.28	2.27
CV of Detects		0.408	0.359	0.292	0.425	0.411	0.600	0.579	0.612	0.500	0.402	0.627	1.27	0.544
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft										9			
13B-0567-G2AS	0 - 0.5 ft			57										
13B-0568-G2AS	0 - 0.5 ft			45										
13B-0571-C4AS	0 - 0.5 ft							27						
13B-0571-C4BS	0.5 - 1.5 ft								17					
13B-0571-C4CS	1.5 - 2.5 ft									7				
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft							14						
13B-0572-C1CS	1.5 - 2.27 ft								19					
13B-0573-C2BS	0.5 - 1.5 ft								6					
13B-0573-C2CS	1.5 - 2.5 ft									7				
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft											3		
13B-0574-C1BS	0.5 - 1.5 ft									10				
13B-0574-C1CS	1.5 - 2.5 ft					21								
13B-0574-C2HS	6.4 - 7.4 ft											14		
13B-0574-G2AS	0 - 0.5 ft												4	
13B-0575-C1AS	0 - 0.5 ft								16					
13B-0575-C1BS	0.5 - 1.5 ft	57												
13B-0575-C4CS	1.5 - 2.5 ft				16									
13B-0575-C4FS	4.3 - 5.44 ft											6		
13B-0577-G1AS	0 - 0.5 ft							21						
13B-0578-C5GS	5.25 - 6.25 ft												4	
13B-0578-C6AS	0 - 0.5 ft					27								
13B-0578-C6CS	1.5 - 2.5 ft						19							
13B-0578-C6CT	1.5 - 2.5 ft							16						
13B-0578-C7BS	0.5 - 1.5 ft						11							

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft			1										
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft			2										
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft			2										
13B-0503-C1CS	1.5 - 2.5 ft			0										
13B-0503-C2AS	0 - 0.5 ft			3										
13B-0504-C2AS	0 - 0.5 ft											69		
13B-0504-C2BS	0.5 - 1.5 ft			7										
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft			5										
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft								13					
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft			1										
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft			23										
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft			0										
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft			0										
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft			15										
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft											46		
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft									56				
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft												72	
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													53
13B-0539-C3CS	1.5 - 2.5 ft											59		
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft										62			
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft			11										
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft			6										
13B-0550-C3BS	0.5 - 1.5 ft			6										
13B-0550-C3CS	1.5 - 2.5 ft			3										
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft										37			
13B-0553-C2CS	1.5 - 2.5 ft						56							
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft										58			
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft							40						
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft			4										
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft			1										
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft				4									
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft		62											
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0137 mm	HYDROMETER READING, PERCENT FINER THAN 0.0166 mm	HYDROMETER READING, PERCENT FINER THAN 0.017 mm	HYDROMETER READING, PERCENT FINER THAN 0.0171 mm	HYDROMETER READING, PERCENT FINER THAN 0.0175 mm	HYDROMETER READING, PERCENT FINER THAN 0.0180 mm	HYDROMETER READING, PERCENT FINER THAN 0.0181 mm	HYDROMETER READING, PERCENT FINER THAN 0.0183 mm	HYDROMETER READING, PERCENT FINER THAN 0.0189 mm	HYDROMETER READING, PERCENT FINER THAN 0.0191 mm	HYDROMETER READING, PERCENT FINER THAN 0.0192 mm	HYDROMETER READING, PERCENT FINER THAN 0.0195 mm	HYDROMETER READING, PERCENT FINER THAN 0.0196 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		4	62	0	4	12	56	40	13	56	37	46	72	53
Maximum Detect		4	62	23	4	12	56	40	13	56	62	69	72	53
Mean of Detects		4.00	62.0	4.96	4.00	12.0	56.0	40.0	13.0	56.0	52.3	58.0	72.0	53.0
St. Dev. of Detects		0.00	0.00	5.14	0.00	0.00	0.00	0.00	0.00	0.00	11.0	9.42	0.00	0.00
CV of Detects		0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.210	0.162	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft			6										
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft	4												
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft					12								
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft			7										
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft			1										
13B-0578-C6AS	0 - 0.5 ft			9										
13B-0578-C6CS	1.5 - 2.5 ft			5										
13B-0578-C6CT	1.5 - 2.5 ft			3										
13B-0578-C7BS	0.5 - 1.5 ft			3										

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft												67	
13B-0504-C2CS	1.5 - 2.5 ft									58				
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft							66						
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft											32		
13B-0509-C2CS	1.5 - 2.5 ft			43										
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft										68			
13B-0511-C1CS	1.5 - 2.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0511-C3HS	5.95 - 6.95 ft							19						
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft											58		
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft												61	
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft											43		
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													46
13B-0521-C2HS	6.5 - 7.63 ft		69											
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													49
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft										55			
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft										58			
13B-0528-C3LS	10.5 - 11.54 ft											46		
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft										60			
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft								31					
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft										57			
13B-0533-C3JS	8.5 - 9.35 ft			73										
13B-0533-C3JT	8.5 - 9.35 ft		70											
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft								61					
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft	48												
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft			57										
13B-0536-C3AS	0 - 0.5 ft							29						
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft								52					
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft				54									
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft					52								
13B-0540-C3BS	0.5 - 1.5 ft										38			
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft					36								
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft									25				
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													4
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft						66							
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft					38								
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft											33		

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft								73					
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft							41						
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													44
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft									73				
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0197 mm	HYDROMETER READING, PERCENT FINER THAN 0.0198 mm	HYDROMETER READING, PERCENT FINER THAN 0.0199 mm	HYDROMETER READING, PERCENT FINER THAN 0.0200 mm	HYDROMETER READING, PERCENT FINER THAN 0.0201 mm	HYDROMETER READING, PERCENT FINER THAN 0.0202 mm	HYDROMETER READING, PERCENT FINER THAN 0.0203 mm	HYDROMETER READING, PERCENT FINER THAN 0.0204 mm	HYDROMETER READING, PERCENT FINER THAN 0.0205 mm	HYDROMETER READING, PERCENT FINER THAN 0.0206 mm	HYDROMETER READING, PERCENT FINER THAN 0.0207 mm	HYDROMETER READING, PERCENT FINER THAN 0.0208 mm	HYDROMETER READING, PERCENT FINER THAN 0.0209 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		48	69	43	54	36	66	19	31	25	38	32	61	4
Maximum Detect		48	70	73	65	52	66	66	73	73	68	58	67	49
Mean of Detects		48.0	69.5	57.7	59.5	42.0	66.0	38.8	54.3	52.0	55.7	42.4	64.0	35.0
St. Dev. of Detects		0.00	0.500	12.3	5.50	7.12	0.00	17.6	15.4	20.0	8.40	9.52	2.45	16.5
CV of Detects		0.00	0.00719	0.213	0.0924	0.169	0.00	0.453	0.283	0.386	0.151	0.225	0.0383	0.473
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft				65									
13B-0568-G2AS	0 - 0.5 ft										54			
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft												64	
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													32
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft										3			
13B-0501-C2BS	0.5 - 1.5 ft										6			
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft						31							
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft									9				
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													7
13B-0506-G1AS	0 - 0.5 ft						23							
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft		29											
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft							25						
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft									65				
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft	66												

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft												41	
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft									35				
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft									43				
13B-0516-C3BS	0.5 - 1.5 ft								30					
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft		62											
13B-0522-G1AT	0 - 0.5 ft	61												
13B-0523-G2AS	0 - 0.5 ft									81				
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft							48						
13B-0524-C1GS	5.39 - 6.39 ft												25	
13B-0524-G1AS	0 - 0.5 ft						36							
13B-0525-C1BS	0.5 - 1.5 ft					44								
13B-0525-C1CS	1.5 - 2.5 ft			47										
13B-0525-C1HS	6.42 - 7.42 ft			27										
13B-0525-C2AS	0 - 0.5 ft							42						

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft							52						
13B-0526-C1HS	6.5 - 7.62 ft									11				
13B-0526-C2AS	0 - 0.5 ft								31					
13B-0526-C2CS	1.5 - 2.5 ft				56									
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft						45							
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft		65											
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													93
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft					9								
13B-0531-C1BS	0.5 - 1.5 ft							3						
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft										5			
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													22
13B-0533-C3BS	0.5 - 1.5 ft						61							
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft								70					
13B-0533-G1AT	0 - 0.5 ft			64										

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft										46			
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft									52				
13B-0534-G1AT	0 - 0.5 ft									51				
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft											30		
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft								17					
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft								14					
13B-0539-G2AS	0 - 0.5 ft			33										
13B-0539-G2AT	0 - 0.5 ft										37			
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft			46										
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft				51									
13B-0541-C2BS	0.5 - 1.5 ft				20									
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft										19			
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft									20				
13B-0544-C2CS	1.5 - 2.5 ft					33								
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft	49												
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft									19				
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft												17	
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft							29						
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft											24		
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft												22	
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													53
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft	28												
13B-0554-C1CS	1.5 - 2.5 ft													22
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft											22		
13B-0555-C2AS	0 - 0.5 ft			77										
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft			70										
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft		23											
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft				44									
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft										29			
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft				24									
13B-0559-C2BS	0.5 - 1.5 ft								26					
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft										12			
13B-0561-C2BS	0.5 - 1.5 ft													22
13B-0562-G1AS	0 - 0.5 ft													9
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft	67												
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0210 mm	HYDROMETER READING, PERCENT FINER THAN 0.0211 mm	HYDROMETER READING, PERCENT FINER THAN 0.0212 mm	HYDROMETER READING, PERCENT FINER THAN 0.0213 mm	HYDROMETER READING, PERCENT FINER THAN 0.0214 mm	HYDROMETER READING, PERCENT FINER THAN 0.0215 mm	HYDROMETER READING, PERCENT FINER THAN 0.0216 mm	HYDROMETER READING, PERCENT FINER THAN 0.0217 mm	HYDROMETER READING, PERCENT FINER THAN 0.0218 mm	HYDROMETER READING, PERCENT FINER THAN 0.0219 mm	HYDROMETER READING, PERCENT FINER THAN 0.0220 mm	HYDROMETER READING, PERCENT FINER THAN 0.0221 mm	HYDROMETER READING, PERCENT FINER THAN 0.0222 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		28	23	27	20	9	23	3	14	9	3	20	5	4
Maximum Detect		67	65	77	56	44	61	52	70	81	46	30	41	93
Mean of Detects		54.2	38.5	52.0	39.0	28.7	36.7	33.2	31.1	36.8	19.1	24.0	20.6	29.0
St. Dev. of Detects		14.6	17.8	17.5	14.4	14.6	13.2	16.6	17.0	22.5	13.3	3.74	10.3	28.1
CV of Detects		0.269	0.462	0.336	0.371	0.510	0.359	0.500	0.547	0.612	0.699	0.156	0.499	0.970
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft								30					
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft												20	
13B-0572-C1CS	1.5 - 2.27 ft		25											
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft										9			
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													4
13B-0574-C1BS	0.5 - 1.5 ft												14	
13B-0574-C1CS	1.5 - 2.5 ft										25			
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft									19				
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft											20		
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft						24							
13B-0578-C5GS	5.25 - 6.25 ft												5	
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft		27											
13B-0578-C6CT	1.5 - 2.5 ft										19			
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft						4							
13B-0501-C2DS	2.5 - 3.32 ft								9					
13B-0502-C2BS	0.5 - 1.5 ft												10	
13B-0502-C2CS	1.5 - 2.45 ft						22							
13B-0502-G1AS	0 - 0.5 ft								8					
13B-0503-C1BS	0.5 - 1.5 ft								9					
13B-0503-C1CS	1.5 - 2.5 ft											9		
13B-0503-C2AS	0 - 0.5 ft		14											
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft									12				
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft											5		
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft	18												
13B-0507-C2CS	1.5 - 2.5 ft							15						
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft								12					
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft	25												
13B-0510-C1BS	0.5 - 1.7 ft				10									
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft		46											
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft								2					
13B-0518-G1AS	0 - 0.5 ft				9									
13B-0518-G1AT	0 - 0.5 ft								10					
13B-0519-C2BS	0.5 - 1.5 ft		18											
13B-0519-C2CS	1.5 - 2.5 ft	26												
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft				16									
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft					10								
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft		22											
13B-0527-C3CS	1.5 - 2.31 ft					15								
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft							3						
13B-0529-C2ES	3.5 - 4.2 ft							4						
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft						9							
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft												2	
13B-0531-C2ES	3.5 - 4.42 ft				3									
13B-0531-C3AS	0 - 0.5 ft				4									
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft										8			
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft										7			
13B-0535-C2CS	1.5 - 2.45 ft										4			
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft	20												
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft										4			
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft	19												
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft					4								
13B-0542-C3AS	0 - 0.5 ft			23										

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft	31												
13B-0544-C1AS	0 - 0.5 ft			14										
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft			13										
13B-0547-C3BS	0.5 - 1.5 ft							49						
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft	11												
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft				18									
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft				8									
13B-0549-C3CS	1.5 - 2.65 ft		12											
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft					24								
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft										13			
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft							8						
13B-0552-C1BS	0.5 - 1.5 ft						10							
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft						6							
13B-0552-C2CT	1.5 - 2.5 ft									6				
13B-0553-C1AS	0 - 0.5 ft						16							
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0223 mm	HYDROMETER READING, PERCENT FINER THAN 0.0224 mm	HYDROMETER READING, PERCENT FINER THAN 0.0225 mm	HYDROMETER READING, PERCENT FINER THAN 0.0226 mm	HYDROMETER READING, PERCENT FINER THAN 0.0227 mm	HYDROMETER READING, PERCENT FINER THAN 0.0228 mm	HYDROMETER READING, PERCENT FINER THAN 0.0229 mm	HYDROMETER READING, PERCENT FINER THAN 0.0230 mm	HYDROMETER READING, PERCENT FINER THAN 0.0231 mm	HYDROMETER READING, PERCENT FINER THAN 0.0232 mm	HYDROMETER READING, PERCENT FINER THAN 0.0233 mm	HYDROMETER READING, PERCENT FINER THAN 0.0235 mm	HYDROMETER READING, PERCENT FINER THAN 0.0236 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		11	12	11	3	4	4	3	2	6	4	5	2	5
Maximum Detect		31	46	24	19	24	22	49	12	12	17	9	10	5
Mean of Detects		21.5	22.4	18.3	10.3	13.3	11.5	17.8	8.00	8.67	8.83	7.00	6.00	5.00
St. Dev. of Detects		5.63	12.3	5.17	5.20	7.33	5.79	16.3	3.12	2.49	4.74	2.00	4.00	0.00
CV of Detects		0.262	0.549	0.283	0.507	0.553	0.503	0.913	0.390	0.288	0.537	0.286	0.667	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft				19									
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft	22												
13B-0557-C1AS	0 - 0.5 ft							28						
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft								10					
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft						17							
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft			24										
13B-0560-C3CS	1.5 - 2.5 ft			24										
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft						8							
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft								4					
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft				8									

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**	**D422**
Analyte		**HYDROMETER READING, PERCENT FINER THAN 0.0223 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0224 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0225 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0226 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0227 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0228 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0229 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0230 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0231 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0232 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0233 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0235 mm**	**HYDROMETER READING, PERCENT FINER THAN 0.0236 mm**
Unit		**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Minimum Detect		**11**	**12**	**11**	**3**	**4**	**4**	**3**	**2**	**6**	**4**	**5**	**2**	**5**
Maximum Detect		**31**	**46**	**24**	**19**	**24**	**22**	**49**	**12**	**12**	**17**	**9**	**10**	**5**
Mean of Detects		**21.5**	**22.4**	**18.3**	**10.3**	**13.3**	**11.5**	**17.8**	**8.00**	**8.67**	**8.83**	**7.00**	**6.00**	**5.00**
St. Dev. of Detects		**5.63**	**12.3**	**5.17**	**5.20**	**7.33**	**5.79**	**16.3**	**3.12**	**2.49**	**4.74**	**2.00**	**4.00**	**0.00**
CV of Detects		**0.262**	**0.549**	**0.283**	**0.507**	**0.553**	**0.503**	**0.913**	**0.390**	**0.288**	**0.537**	**0.286**	**0.667**	**0.00**
% Detected		**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Sample ID	**Depth Interval**													
13B-0566-G3AS	0 - 0.5 ft			11										
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft			19										
13B-0571-C4CS	1.5 - 2.5 ft									8				
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft				6									
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft										17			
13B-0574-G2AS	0 - 0.5 ft													5
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft				7									
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft				15									

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft											84		

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													51
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													59
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft												78	
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft					52								
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft			57										
13B-0536-C1CS	1.5 - 2.5 ft										70			
13B-0536-C1FS	4.28 - 5.28 ft							65						
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft									74				
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft						69							
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft	6												
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft				70									
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0238 mm	HYDROMETER READING, PERCENT FINER THAN 0.0240 mm	HYDROMETER READING, PERCENT FINER THAN 0.0259 mm	HYDROMETER READING, PERCENT FINER THAN 0.0261 mm	HYDROMETER READING, PERCENT FINER THAN 0.0263 mm	HYDROMETER READING, PERCENT FINER THAN 0.0268 mm	HYDROMETER READING, PERCENT FINER THAN 0.0271 mm	HYDROMETER READING, PERCENT FINER THAN 0.0274 mm	HYDROMETER READING, PERCENT FINER THAN 0.0275 mm	HYDROMETER READING, PERCENT FINER THAN 0.0278 mm	HYDROMETER READING, PERCENT FINER THAN 0.0282 mm	HYDROMETER READING, PERCENT FINER THAN 0.0283 mm	HYDROMETER READING, PERCENT FINER THAN 0.0284 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	4	57	70	52	69	65	22	70	70	84	78	32
Maximum Detect		6	4	57	70	52	69	65	22	74	70	84	78	59
Mean of Detects		6.00	4.00	57.0	70.0	52.0	69.0	65.0	22.0	72.0	70.0	84.0	78.0	47.3
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	11.3
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0278	0.00	0.00	0.00	0.239
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft									70				
13B-0568-G2AS	0 - 0.5 ft							65						
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft								22					
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft		4											
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													32
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft						75							
13B-0504-C2CS	1.5 - 2.5 ft	62												
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft					9								
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													72
13B-0511-C1BS	0.5 - 1.5 ft											80		
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft			45										
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft							20						
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft											78		
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft					4								
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													65
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft			61										
13B-0539-C3CS	1.5 - 2.5 ft		69											
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft										38			
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft						46							
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft												25	
13B-0554-C1ES	3.5 - 4.7 ft													41

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft							79						
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft									48				
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft								29					
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft							5						
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft				85									
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0285 mm	HYDROMETER READING, PERCENT FINER THAN 0.0286 mm	HYDROMETER READING, PERCENT FINER THAN 0.0288 mm	HYDROMETER READING, PERCENT FINER THAN 0.0289 mm	HYDROMETER READING, PERCENT FINER THAN 0.0292 mm	HYDROMETER READING, PERCENT FINER THAN 0.0294 mm	HYDROMETER READING, PERCENT FINER THAN 0.0296 mm	HYDROMETER READING, PERCENT FINER THAN 0.0297 mm	HYDROMETER READING, PERCENT FINER THAN 0.0298 mm	HYDROMETER READING, PERCENT FINER THAN 0.0300 mm	HYDROMETER READING, PERCENT FINER THAN 0.0301 mm	HYDROMETER READING, PERCENT FINER THAN 0.0302 mm	HYDROMETER READING, PERCENT FINER THAN 0.0303 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		30	69	45	85	4	46	5	29	48	38	78	25	41
Maximum Detect		62	69	61	85	9	75	79	29	48	38	80	25	72
Mean of Detects		46.0	69.0	53.0	85.0	6.50	64.3	34.7	29.0	48.0	38.0	79.0	25.0	59.3
St. Dev. of Detects		16.0	0.00	8.00	0.00	2.50	13.0	31.9	0.00	0.00	0.00	1.00	0.00	13.3
CV of Detects		0.348	0.00	0.151	0.00	0.385	0.202	0.921	0.00	0.00	0.00	0.0127	0.00	0.224
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft	30												
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft						72							
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft												24	
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft		38											
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft								10					
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft							75						
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft				26									
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft										43			
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft									64				
13B-0514-G1AS	0 - 0.5 ft					52								
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft			48										
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft										13			
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft			71										
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft												54	
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft												52	
13B-0525-C1HS	6.42 - 7.42 ft	31												
13B-0525-C2AS	0 - 0.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													36
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft								63					
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft			66										
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft											41		
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	**Depth Interval**													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft					74								
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft											56		
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft									43				
13B-0540-C3CS	1.5 - 2.5 ft						54							
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft					23								
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft		22											
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft	47												
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft					30								
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft									83				
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft						64							
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft									48				
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft						31							
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft		73											
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0304 mm	HYDROMETER READING, PERCENT FINER THAN 0.0305 mm	HYDROMETER READING, PERCENT FINER THAN 0.0306 mm	HYDROMETER READING, PERCENT FINER THAN 0.0307 mm	HYDROMETER READING, PERCENT FINER THAN 0.0308 mm	HYDROMETER READING, PERCENT FINER THAN 0.0309 mm	HYDROMETER READING, PERCENT FINER THAN 0.0311 mm	HYDROMETER READING, PERCENT FINER THAN 0.0312 mm	HYDROMETER READING, PERCENT FINER THAN 0.0313 mm	HYDROMETER READING, PERCENT FINER THAN 0.0315 mm	HYDROMETER READING, PERCENT FINER THAN 0.0316 mm	HYDROMETER READING, PERCENT FINER THAN 0.0317 mm	HYDROMETER READING, PERCENT FINER THAN 0.0318 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		31	22	6	26	23	31	75	10	43	13	34	24	36
Maximum Detect		47	73	71	26	74	64	75	63	83	43	56	54	36
Mean of Detects		39.0	42.3	47.8	26.0	44.8	49.7	75.0	36.5	59.5	28.0	43.7	43.3	36.0
St. Dev. of Detects		8.00	18.8	25.6	0.00	20.0	13.8	0.00	26.5	15.6	15.0	9.18	13.7	0.00
CV of Detects		0.205	0.445	0.536	0.00	0.447	0.278	0.00	0.726	0.263	0.536	0.210	0.316	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft											34		
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft			6										
13B-0578-C6AS	0 - 0.5 ft		36											
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft												4	
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft				21									
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft		31											
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft	56												
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft							49						
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft												13	
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft											32		
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft										12			
13B-0522-G1AS	0 - 0.5 ft			69										
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft				29									
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft							49						

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft												28	
13B-0527-C3CS	1.5 - 2.31 ft							18						
13B-0527-C4AS	0 - 0.5 ft				54									
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft	57												
13B-0528-C4AS	0 - 0.5 ft												68	
13B-0528-C4BS	0.5 - 1.5 ft						73							
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft									4				
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft										89			
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft			4										
13B-0531-C3AS	0 - 0.5 ft								6					
13B-0531-C3AT	0 - 0.5 ft											7		
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft		78											
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft					56								
13B-0538-C3BS	0.5 - 1.5 ft					79								
13B-0538-C3CS	1.5 - 2.5 ft											61		
13B-0538-C3ES	3.5 - 4.8 ft				19									
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft		41											
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft									25				
13B-0542-C2CS	1.5 - 2.5 ft		25											
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft	28												
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													75
13B-0547-C3CS	1.5 - 2.5 ft												58	
13B-0547-G1AS	0 - 0.5 ft								77					
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft						20							
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft									35				
13B-0549-C3BS	0.5 - 1.5 ft					12								
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft												14	
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft		79											
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft	27												
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft										11			
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													27
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0319 mm	HYDROMETER READING, PERCENT FINER THAN 0.0320 mm	HYDROMETER READING, PERCENT FINER THAN 0.0321 mm	HYDROMETER READING, PERCENT FINER THAN 0.0322 mm	HYDROMETER READING, PERCENT FINER THAN 0.0323 mm	HYDROMETER READING, PERCENT FINER THAN 0.0324 mm	HYDROMETER READING, PERCENT FINER THAN 0.0326 mm	HYDROMETER READING, PERCENT FINER THAN 0.0327 mm	HYDROMETER READING, PERCENT FINER THAN 0.0328 mm	HYDROMETER READING, PERCENT FINER THAN 0.0329 mm	HYDROMETER READING, PERCENT FINER THAN 0.0330 mm	HYDROMETER READING, PERCENT FINER THAN 0.0331 mm	HYDROMETER READING, PERCENT FINER THAN 0.0332 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		27	25	4	19	12	20	5	6	4	11	7	4	21
Maximum Detect		57	79	69	54	79	73	49	77	35	89	61	68	75
Mean of Detects		42.0	50.8	36.5	30.8	49.0	46.5	25.2	41.5	21.3	37.3	33.3	30.8	41.0
St. Dev. of Detects		14.5	23.2	32.5	13.9	27.8	26.5	17.7	35.5	12.9	36.5	22.1	24.0	24.2
CV of Detects		0.345	0.456	0.890	0.453	0.567	0.570	0.702	0.855	0.606	0.979	0.662	0.778	0.589
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													21
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft							5						
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft							21						
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft							9						
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft											5		
13B-0501-C2DS	2.5 - 3.32 ft					12								
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft											11		
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft							82						
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft					31								
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft	68												
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft	42												
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft								3					
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft							21						
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft												56	
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft							42						
13B-0525-C1BS	0.5 - 1.5 ft										53			
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft												9	
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft								71					
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft				56									
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft							8						
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft									34				
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft							38						
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft		43											
13B-0540-C3AS	0 - 0.5 ft			62										
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft							6						
13B-0542-C3AS	0 - 0.5 ft		29											

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft								34					
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft												38	
13B-0546-G2AS	0 - 0.5 ft		4											
13B-0547-C2HS	6.5 - 7.15 ft								16					
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft									12				
13B-0548-C2AS	0 - 0.5 ft													23
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft	15												
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft					12								
13B-0552-C1BS	0.5 - 1.5 ft												13	
13B-0552-C2AS	0 - 0.5 ft					62								
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft		25											
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft						35							
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft			48										
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft	53												
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft								27					
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0333 mm	HYDROMETER READING, PERCENT FINER THAN 0.0334 mm	HYDROMETER READING, PERCENT FINER THAN 0.0335 mm	HYDROMETER READING, PERCENT FINER THAN 0.0336 mm	HYDROMETER READING, PERCENT FINER THAN 0.0337 mm	HYDROMETER READING, PERCENT FINER THAN 0.0338 mm	HYDROMETER READING, PERCENT FINER THAN 0.0339 mm	HYDROMETER READING, PERCENT FINER THAN 0.0340 mm	HYDROMETER READING, PERCENT FINER THAN 0.0341 mm	HYDROMETER READING, PERCENT FINER THAN 0.0342 mm	HYDROMETER READING, PERCENT FINER THAN 0.0343 mm	HYDROMETER READING, PERCENT FINER THAN 0.0344 mm	HYDROMETER READING, PERCENT FINER THAN 0.0345 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		12	4	48	56	12	35	6	3	12	29	5	9	23
Maximum Detect		68	43	62	56	62	35	82	71	34	53	11	56	23
Mean of Detects		38.0	25.3	55.0	56.0	29.3	35.0	29.3	30.2	23.0	41.0	8.00	29.0	23.0
St. Dev. of Detects		21.7	14.0	7.00	0.00	20.4	0.00	25.4	22.9	11.0	12.0	3.00	19.1	0.00
CV of Detects		0.570	0.553	0.127	0.00	0.699	0.00	0.869	0.760	0.478	0.293	0.375	0.660	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft	12												
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft							8						
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft										29			
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft												7	
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft													
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft													
13B-0503-C2AS	0 - 0.5 ft													
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft													
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft													
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft													
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft													
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													23
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft			34										
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft					92								
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft					59								
13B-0526-C1HS	6.5 - 7.62 ft													
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft													
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft			3										
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft													
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft								24					
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft	80												
13B-0533-G1AT	0 - 0.5 ft									84				

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft			60										
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft													
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													23
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft													
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft													
13B-0541-C2AS	0 - 0.5 ft						58							
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft							17						
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft							22						
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft													
13B-0550-C3BS	0.5 - 1.5 ft													
13B-0550-C3CS	1.5 - 2.5 ft												27	
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft													
13B-0552-C2CT	1.5 - 2.5 ft												9	
13B-0553-C1AS	0 - 0.5 ft							17						
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft						24							
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft						27							
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft											38		
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft													
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft							26						
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft		11											
13B-0561-C2AS	0 - 0.5 ft										13			
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													10
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft													
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0346 mm	HYDROMETER READING, PERCENT FINER THAN 0.0348 mm	HYDROMETER READING, PERCENT FINER THAN 0.0349 mm	HYDROMETER READING, PERCENT FINER THAN 0.0350 mm	HYDROMETER READING, PERCENT FINER THAN 0.0351 mm	HYDROMETER READING, PERCENT FINER THAN 0.0352 mm	HYDROMETER READING, PERCENT FINER THAN 0.0353 mm	HYDROMETER READING, PERCENT FINER THAN 0.0354 mm	HYDROMETER READING, PERCENT FINER THAN 0.0355 mm	HYDROMETER READING, PERCENT FINER THAN 0.0356 mm	HYDROMETER READING, PERCENT FINER THAN 0.0357 mm	HYDROMETER READING, PERCENT FINER THAN 0.0358 mm	HYDROMETER READING, PERCENT FINER THAN 0.0360 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		17	11	3	13	59	24	17	24	84	13	18	7	10
Maximum Detect		80	11	60	13	92	58	35	24	84	13	38	27	23
Mean of Detects		48.5	11.0	30.3	13.0	75.5	34.3	23.4	24.0	84.0	13.0	28.0	14.3	18.7
St. Dev. of Detects		31.5	0.00	20.5	0.00	16.5	13.8	6.71	0.00	0.00	0.00	10.0	8.99	6.13
CV of Detects		0.649	0.00	0.678	0.00	0.219	0.403	0.287	0.00	0.00	0.00	0.357	0.627	0.328
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft													
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft													
13B-0573-C2CS	1.5 - 2.5 ft				13									
13B-0573-C2DS	2.5 - 3.75 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft							35						
13B-0574-C2HS	6.4 - 7.4 ft	17												
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft			24										
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft						28							
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft											18		

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft													
13B-0501-C2BS	0.5 - 1.5 ft													
13B-0501-C2CS	1.5 - 2.5 ft													
13B-0501-C2DS	2.5 - 3.32 ft													
13B-0502-C2BS	0.5 - 1.5 ft												14	
13B-0502-C2CS	1.5 - 2.45 ft													
13B-0502-G1AS	0 - 0.5 ft													
13B-0503-C1BS	0.5 - 1.5 ft													
13B-0503-C1CS	1.5 - 2.5 ft										11			
13B-0503-C2AS	0 - 0.5 ft											16		
13B-0504-C2AS	0 - 0.5 ft													
13B-0504-C2BS	0.5 - 1.5 ft													
13B-0504-C2CS	1.5 - 2.5 ft													
13B-0504-C4KS	9.5 - 10.25 ft													
13B-0505-C1BS	0.5 - 1.5 ft													13
13B-0505-C2CS	1.5 - 2.5 ft													
13B-0505-C2FS	4.5 - 5.33 ft					17								
13B-0505-G2AS	0 - 0.5 ft													
13B-0506-C2CS	1.5 - 2.5 ft													
13B-0506-C3BS	0.5 - 1.44 ft													
13B-0506-G1AS	0 - 0.5 ft													
13B-0507-C2BS	0.5 - 1.5 ft													
13B-0507-C2CS	1.5 - 2.5 ft						18							
13B-0507-C3AS	0 - 0.5 ft													
13B-0507-C3DS	2.5 - 3.3 ft									14				
13B-0508-G3AS	0 - 0.5 ft													
13B-0509-C1ES	3.17 - 4.17 ft													
13B-0509-C2BS	0.5 - 1.5 ft													
13B-0509-C2CS	1.5 - 2.5 ft													
13B-0510-C1AS	0 - 0.5 ft				27									
13B-0510-C1BS	0.5 - 1.7 ft													
13B-0511-C1AS	0 - 0.5 ft													
13B-0511-C1BS	0.5 - 1.5 ft													
13B-0511-C1CS	1.5 - 2.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0511-C3HS	5.95 - 6.95 ft													
13B-0512-G1AS	0 - 0.5 ft													
13B-0513-G1AS	0 - 0.5 ft													
13B-0514-G1AS	0 - 0.5 ft													
13B-0515-C1BS	0.5 - 1.71 ft													
13B-0515-C2AS	0 - 0.5 ft													
13B-0515-C2CS	1.5 - 2.19 ft													
13B-0516-C2CS	1.5 - 2.5 ft													
13B-0516-C2LS	10.4 - 11.4 ft													
13B-0516-C3AS	0 - 0.5 ft													
13B-0516-C3BS	0.5 - 1.5 ft													
13B-0517-G2AS	0 - 0.5 ft													
13B-0518-G1AS	0 - 0.5 ft													
13B-0518-G1AT	0 - 0.5 ft													
13B-0519-C2BS	0.5 - 1.5 ft													
13B-0519-C2CS	1.5 - 2.5 ft													
13B-0519-C2RS	16.1 - 17.1 ft													
13B-0519-C5AS	0 - 0.5 ft													
13B-0520-G1AS	0 - 0.5 ft													
13B-0521-C2HS	6.5 - 7.63 ft													
13B-0521-C3AS	0 - 0.5 ft													
13B-0521-C3BS	0.5 - 1.5 ft													
13B-0521-C3CS	1.5 - 2.5 ft													
13B-0522-G1AS	0 - 0.5 ft													
13B-0522-G1AT	0 - 0.5 ft													
13B-0523-G2AS	0 - 0.5 ft													
13B-0524-C1BS	0.5 - 1.5 ft													
13B-0524-C1CS	1.5 - 2.5 ft													
13B-0524-C1GS	5.39 - 6.39 ft													
13B-0524-G1AS	0 - 0.5 ft													
13B-0525-C1BS	0.5 - 1.5 ft													
13B-0525-C1CS	1.5 - 2.5 ft													
13B-0525-C1HS	6.42 - 7.42 ft													
13B-0525-C2AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft													
13B-0526-C1HS	6.5 - 7.62 ft										13			
13B-0526-C2AS	0 - 0.5 ft													
13B-0526-C2CS	1.5 - 2.5 ft													
13B-0526-C2CT	1.5 - 2.5 ft													
13B-0527-C3BS	0.5 - 1.5 ft													
13B-0527-C3CS	1.5 - 2.31 ft													
13B-0527-C4AS	0 - 0.5 ft													
13B-0528-C3CS	1.5 - 2.5 ft													
13B-0528-C3LS	10.5 - 11.54 ft													
13B-0528-C4AS	0 - 0.5 ft													
13B-0528-C4BS	0.5 - 1.5 ft													
13B-0529-C2BS	0.5 - 1.5 ft													
13B-0529-C2CS	1.5 - 2.5 ft								3					
13B-0529-C2ES	3.5 - 4.2 ft													
13B-0529-C3AS	0 - 0.5 ft													
13B-0530-C4AS	0 - 0.5 ft													
13B-0530-C4BS	0.5 - 1.5 ft													
13B-0530-C4CS	1.5 - 1.62 ft													
13B-0531-C1BS	0.5 - 1.5 ft													
13B-0531-C1CS	1.5 - 2.3 ft													
13B-0531-C2ES	3.5 - 4.42 ft													
13B-0531-C3AS	0 - 0.5 ft													
13B-0531-C3AT	0 - 0.5 ft													
13B-0532-C1BS	0.5 - 1.5 ft			10										
13B-0532-C1CS	1.5 - 2.5 ft													
13B-0532-C1DS	2.5 - 3.73 ft													
13B-0532-C2AS	0 - 0.5 ft													
13B-0533-C3BS	0.5 - 1.5 ft													
13B-0533-C3CS	1.5 - 2.5 ft													
13B-0533-C3JS	8.5 - 9.35 ft													
13B-0533-C3JT	8.5 - 9.35 ft													
13B-0533-G1AS	0 - 0.5 ft													
13B-0533-G1AT	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft													
13B-0534-C2CS	1.5 - 2.5 ft													
13B-0534-C2IS	7.5 - 8.59 ft													
13B-0534-G1AS	0 - 0.5 ft													
13B-0534-G1AT	0 - 0.5 ft													
13B-0535-C2BS	0.5 - 1.5 ft													
13B-0535-C2CS	1.5 - 2.45 ft											5		
13B-0535-G1AS	0 - 0.5 ft													
13B-0536-C1BS	0.5 - 1.5 ft													
13B-0536-C1CS	1.5 - 2.5 ft													
13B-0536-C1FS	4.28 - 5.28 ft													
13B-0536-C3AS	0 - 0.5 ft													
13B-0537-C2AS	0 - 0.5 ft													
13B-0538-C2AS	0 - 0.5 ft													
13B-0538-C3BS	0.5 - 1.5 ft													
13B-0538-C3CS	1.5 - 2.5 ft													
13B-0538-C3ES	3.5 - 4.8 ft													
13B-0539-C3BS	0.5 - 1.5 ft													
13B-0539-C3CS	1.5 - 2.5 ft													
13B-0539-C3HS	6.5 - 7.59 ft	16												
13B-0539-G2AS	0 - 0.5 ft													
13B-0539-G2AT	0 - 0.5 ft													
13B-0540-C3AS	0 - 0.5 ft													
13B-0540-C3BS	0.5 - 1.5 ft													
13B-0540-C3CS	1.5 - 2.5 ft													
13B-0540-C4LS	10.3 - 11.25 ft													
13B-0541-C1CS	1.5 - 2.5 ft													
13B-0541-C1FS	4.5 - 5.67 ft					5								
13B-0541-C2AS	0 - 0.5 ft													
13B-0541-C2BS	0.5 - 1.5 ft													
13B-0542-C2BS	0.5 - 1.5 ft													
13B-0542-C2CS	1.5 - 2.5 ft													
13B-0542-C2HS	6.5 - 7.55 ft													
13B-0542-C3AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft													
13B-0544-C1AS	0 - 0.5 ft													
13B-0544-C1ES	3.5 - 4.33 ft													
13B-0544-C2BS	0.5 - 1.5 ft													
13B-0544-C2CS	1.5 - 2.5 ft													
13B-0546-G2AS	0 - 0.5 ft													
13B-0547-C2HS	6.5 - 7.15 ft													
13B-0547-C3BS	0.5 - 1.5 ft													
13B-0547-C3CS	1.5 - 2.5 ft													
13B-0547-G1AS	0 - 0.5 ft													
13B-0548-C1IS	7.5 - 8.79 ft													
13B-0548-C2AS	0 - 0.5 ft													
13B-0548-C2BS	0.5 - 1.5 ft													
13B-0548-C2BT	0.5 - 1.5 ft													
13B-0548-C2CS	1.5 - 2.5 ft													
13B-0549-C2AS	0 - 0.5 ft													
13B-0549-C3BS	0.5 - 1.5 ft													
13B-0549-C3CS	1.5 - 2.65 ft													
13B-0550-C1AS	0 - 0.5 ft							33						
13B-0550-C3BS	0.5 - 1.5 ft	30												
13B-0550-C3CS	1.5 - 2.5 ft													
13B-0550-C3FS	4.5 - 5.37 ft													
13B-0551-C2BS	0.5 - 0.88 ft													
13B-0551-G2AS	0 - 0.5 ft													
13B-0552-C1BS	0.5 - 1.5 ft													
13B-0552-C2AS	0 - 0.5 ft													
13B-0552-C2CS	1.5 - 2.5 ft	8												
13B-0552-C2CT	1.5 - 2.5 ft													
13B-0553-C1AS	0 - 0.5 ft													
13B-0553-C2BS	0.5 - 1.5 ft													
13B-0553-C2CS	1.5 - 2.5 ft													
13B-0554-C1BS	0.5 - 1.5 ft													
13B-0554-C1CS	1.5 - 2.5 ft													
13B-0554-C1ES	3.5 - 4.7 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft													
13B-0555-C2AS	0 - 0.5 ft													
13B-0555-C2BS	0.5 - 1.5 ft													
13B-0555-C2CS	1.5 - 2 ft													
13B-0555-C2DS	2 - 3 ft													
13B-0556-C1BS	0.5 - 1.5 ft													
13B-0556-C1CS	1.5 - 2.5 ft													
13B-0556-C3AS	0 - 0.5 ft													
13B-0557-C1AS	0 - 0.5 ft													
13B-0557-C2BS	0.5 - 1.5 ft													
13B-0557-C2CS	1.5 - 2.5 ft													
13B-0557-C2ES	3.5 - 4.5 ft													
13B-0558-C2CS	1.5 - 2.5 ft													
13B-0558-C2FS	4.5 - 5.75 ft													
13B-0558-C3AS	0 - 0.5 ft													
13B-0558-C3BS	0.5 - 1.5 ft													
13B-0559-C2BS	0.5 - 1.5 ft													
13B-0559-C2CS	1.5 - 2.5 ft													
13B-0559-C2GS	5.5 - 646 ft				23									
13B-0559-G1AS	0 - 0.5 ft													
13B-0560-C3AS	0 - 0.5 ft													
13B-0560-C3BS	0.5 - 1.5 ft													
13B-0560-C3CS	1.5 - 2.5 ft													
13B-0560-C3GS	4.9 - 6.5 ft													
13B-0561-C1CS	1.5 - 2.5 ft													
13B-0561-C2AS	0 - 0.5 ft													
13B-0561-C2BS	0.5 - 1.5 ft													
13B-0562-G1AS	0 - 0.5 ft													
13B-0563-C1BS	0.5 - 1.5 ft													
13B-0563-C1CS	1.5 - 2.5 ft													
13B-0563-G1AS	0 - 0.5 ft													
13B-0563-G1AT	0 - 0.5 ft							5						
13B-0564-G2AS	0 - 0.5 ft													
13B-0565-G1AS	0 - 0.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0361 mm	HYDROMETER READING, PERCENT FINER THAN 0.0362 mm	HYDROMETER READING, PERCENT FINER THAN 0.0363 mm	HYDROMETER READING, PERCENT FINER THAN 0.0364 mm	HYDROMETER READING, PERCENT FINER THAN 0.0365 mm	HYDROMETER READING, PERCENT FINER THAN 0.0366 mm	HYDROMETER READING, PERCENT FINER THAN 0.0367 mm	HYDROMETER READING, PERCENT FINER THAN 0.0369 mm	HYDROMETER READING, PERCENT FINER THAN 0.0371 mm	HYDROMETER READING, PERCENT FINER THAN 0.0372 mm	HYDROMETER READING, PERCENT FINER THAN 0.0373 mm	HYDROMETER READING, PERCENT FINER THAN 0.0374 mm	HYDROMETER READING, PERCENT FINER THAN 0.0375 mm
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		8	9	4	23	5	18	5	3	14	11	5	14	13
Maximum Detect		30	9	10	27	17	18	33	3	14	13	16	14	13
Mean of Detects		18.0	9.00	7.00	25.0	10.0	18.0	19.0	3.00	14.0	12.0	10.5	14.0	13.0
St. Dev. of Detects		9.09	0.00	3.00	2.00	5.10	0.00	14.0	0.00	0.00	1.00	5.50	0.00	0.00
CV of Detects		0.505	0.00	0.429	0.0800	0.510	0.00	0.737	0.00	0.00	0.0833	0.524	0.00	0.00
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft													
13B-0567-G2AS	0 - 0.5 ft													
13B-0568-G2AS	0 - 0.5 ft													
13B-0571-C4AS	0 - 0.5 ft													
13B-0571-C4BS	0.5 - 1.5 ft													
13B-0571-C4CS	1.5 - 2.5 ft		9											
13B-0571-C4MS	11.5 - 12.5 ft													
13B-0572-C1BS	0.5 - 1.5 ft													
13B-0572-C1CS	1.5 - 2.27 ft													
13B-0573-C2BS	0.5 - 1.5 ft					8								
13B-0573-C2CS	1.5 - 2.5 ft													
13B-0573-C2DS	2.5 - 3.75 ft			4										
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0573-C4AS	0 - 0.5 ft													
13B-0574-C1BS	0.5 - 1.5 ft													
13B-0574-C1CS	1.5 - 2.5 ft													
13B-0574-C2HS	6.4 - 7.4 ft													
13B-0574-G2AS	0 - 0.5 ft													
13B-0575-C1AS	0 - 0.5 ft													
13B-0575-C1BS	0.5 - 1.5 ft													
13B-0575-C4CS	1.5 - 2.5 ft													
13B-0575-C4FS	4.3 - 5.44 ft													
13B-0577-G1AS	0 - 0.5 ft													
13B-0578-C5GS	5.25 - 6.25 ft													
13B-0578-C6AS	0 - 0.5 ft													
13B-0578-C6CS	1.5 - 2.5 ft													
13B-0578-C6CT	1.5 - 2.5 ft													
13B-0578-C7BS	0.5 - 1.5 ft													

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0501-C2AS	0 - 0.5 ft								100	99	18	96	9	9
13B-0501-C2BS	0.5 - 1.5 ft						100		99	95	19	91	13	10
13B-0501-C2CS	1.5 - 2.5 ft						97	100	97	95	16	91	10	9
13B-0501-C2DS	2.5 - 3.32 ft								100	94	48	88	25	22
13B-0502-C2BS	0.5 - 1.5 ft								100	97	31	91	15	15
13B-0502-C2CS	1.5 - 2.45 ft									99	55	95	32	30
13B-0502-G1AS	0 - 0.5 ft					9			100	92	20	80	13	11
13B-0503-C1BS	0.5 - 1.5 ft								100	96	23	90	13	12
13B-0503-C1CS	1.5 - 2.5 ft								100	95	24	82	14	13
13B-0503-C2AS	0 - 0.5 ft								100	94	29	90	16	16
13B-0504-C2AS	0 - 0.5 ft								100	98	91	96	87	85
13B-0504-C2BS	0.5 - 1.5 ft									100	98	99	94	90
13B-0504-C2CS	1.5 - 2.5 ft									100	96	99	91	83
13B-0504-C4KS	9.5 - 10.25 ft									100	94	100	68	61
13B-0505-C1BS	0.5 - 1.5 ft								100	97	23	94	14	13
13B-0505-C2CS	1.5 - 2.5 ft								100	99	29	96	16	15
13B-0505-C2FS	4.5 - 5.33 ft									99	73	97	37	31
13B-0505-G2AS	0 - 0.5 ft									100	95	100	94	90
13B-0506-C2CS	1.5 - 2.5 ft	6					95	100	92	60	13	38	9	8
13B-0506-C3BS	0.5 - 1.44 ft								100	95	28	89	13	12
13B-0506-G1AS	0 - 0.5 ft									100	46	99	28	28
13B-0507-C2BS	0.5 - 1.5 ft								100	97	31	92	23	23
13B-0507-C2CS	1.5 - 2.5 ft								100	97	31	91	20	20
13B-0507-C3AS	0 - 0.5 ft								100	98	69	96	46	43
13B-0507-C3DS	2.5 - 3.3 ft								100	99	30	98	19	19
13B-0508-G3AS	0 - 0.5 ft						74	100	74	40	2	23	0	< 0
13B-0509-C1ES	3.17 - 4.17 ft								100	96	68	94	46	43
13B-0509-C2BS	0.5 - 1.5 ft						100		98	90	77	88	62	56
13B-0509-C2CS	1.5 - 2.5 ft									100	96	100	81	75
13B-0510-C1AS	0 - 0.5 ft								100	98	50	95	30	29
13B-0510-C1BS	0.5 - 1.7 ft		12				100		97	91	32	83	20	17
13B-0511-C1AS	0 - 0.5 ft								100	97	93	96	88	85
13B-0511-C1BS	0.5 - 1.5 ft									98	94	97	91	89
13B-0511-C1CS	1.5 - 2.5 ft									99	91	97	89	88

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DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	**Depth Interval**													
13B-0511-C3HS	5.95 - 6.95 ft						100		98	87	45	80	33	30
13B-0512-G1AS	0 - 0.5 ft									99	75	98	56	54
13B-0513-G1AS	0 - 0.5 ft								100	92	83	90	77	74
13B-0514-G1AS	0 - 0.5 ft								100	98	87	97	68	64
13B-0515-C1BS	0.5 - 1.71 ft								100	71	5	44	3	< 3
13B-0515-C2AS	0 - 0.5 ft									99	91	98	81	78
13B-0515-C2CS	1.5 - 2.19 ft								100	81	6	50	4	< 4
13B-0516-C2CS	1.5 - 2.5 ft									99	84	99	60	56
13B-0516-C2LS	10.4 - 11.4 ft									100	90	99	79	73
13B-0516-C3AS	0 - 0.5 ft								100	99	84	98	70	65
13B-0516-C3BS	0.5 - 1.5 ft						99	100	99	97	80	96	68	59
13B-0517-G2AS	0 - 0.5 ft						100		96	81	33	73	8	6
13B-0518-G1AS	0 - 0.5 ft								100	99	28	99	19	16
13B-0518-G1AT	0 - 0.5 ft									99	23	99	16	16
13B-0519-C2BS	0.5 - 1.5 ft									100	60	100	32	30
13B-0519-C2CS	1.5 - 2.5 ft									100	97	100	47	44
13B-0519-C2RS	16.1 - 17.1 ft								100	98	16	91	4	< 4
13B-0519-C5AS	0 - 0.5 ft									100	58	100	29	27
13B-0520-G1AS	0 - 0.5 ft									100	85	99	61	60
13B-0521-C2HS	6.5 - 7.63 ft									100	98	100	94	91
13B-0521-C3AS	0 - 0.5 ft									100	17	100	3	< 3
13B-0521-C3BS	0.5 - 1.5 ft									100	18	100	3	< 3
13B-0521-C3CS	1.5 - 2.5 ft									100	33	99	13	13
13B-0522-G1AS	0 - 0.5 ft								100	99	92	97	86	83
13B-0522-G1AT	0 - 0.5 ft									99	93	98	86	83
13B-0523-G2AS	0 - 0.5 ft									100	98	99	97	95
13B-0524-C1BS	0.5 - 1.5 ft								100	97	87	95	66	64
13B-0524-C1CS	1.5 - 2.5 ft								100	97	86	95	70	67
13B-0524-C1GS	5.39 - 6.39 ft						100		99	75	59	69	50	45
13B-0524-G1AS	0 - 0.5 ft								100	97	81	95	49	48
13B-0525-C1BS	0.5 - 1.5 ft								100	98	90	95	70	65
13B-0525-C1CS	1.5 - 2.5 ft									100	90	100	75	70
13B-0525-C1HS	6.42 - 7.42 ft									100	73	100	48	44
13B-0525-C2AS	0 - 0.5 ft									100	83	98	69	65

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0526-C1BS	0.5 - 1.5 ft									98	78	96	70	67
13B-0526-C1HS	6.5 - 7.62 ft								100	98	85	96	39	31
13B-0526-C2AS	0 - 0.5 ft						100		98	88	46	79	41	39
13B-0526-C2CS	1.5 - 2.5 ft									100	87	98	80	76
13B-0526-C2CT	1.5 - 2.5 ft									99	85	98	80	77
13B-0527-C3BS	0.5 - 1.5 ft									100	66	100	43	40
13B-0527-C3CS	1.5 - 2.31 ft								100	92	54	86	34	30
13B-0527-C4AS	0 - 0.5 ft						99	100	99	97	87	96	69	66
13B-0528-C3CS	1.5 - 2.5 ft									100	95	100	88	85
13B-0528-C3LS	10.5 - 11.54 ft									100	95	100	84	78
13B-0528-C4AS	0 - 0.5 ft									100	99	100	96	91
13B-0528-C4BS	0.5 - 1.5 ft									100	96	99	90	86
13B-0529-C2BS	0.5 - 1.5 ft								100	78	8	50	3	< 3
13B-0529-C2CS	1.5 - 2.5 ft								100	80	11	70	7	6
13B-0529-C2ES	3.5 - 4.2 ft								100	90	12	66	7	6
13B-0529-C3AS	0 - 0.5 ft								100	93	9	79	3	< 3
13B-0530-C4AS	0 - 0.5 ft									99	92	98	90	90
13B-0530-C4BS	0.5 - 1.5 ft									98	20	89	12	11
13B-0530-C4CS	1.5 - 1.62 ft				10				100	96	19	81	13	12
13B-0531-C1BS	0.5 - 1.5 ft								100	80	13	59	9	8
13B-0531-C1CS	1.5 - 2.3 ft								100	93	8	68	5	5
13B-0531-C2ES	3.5 - 4.42 ft								100	88	12	63	9	8
13B-0531-C3AS	0 - 0.5 ft								100	80	11	63	7	7
13B-0531-C3AT	0 - 0.5 ft								100	83	13	66	9	9
13B-0532-C1BS	0.5 - 1.5 ft								100	96	16	84	11	10
13B-0532-C1CS	1.5 - 2.5 ft								100	97	63	91	56	54
13B-0532-C1DS	2.5 - 3.73 ft								100	88	6	67	4	< 4
13B-0532-C2AS	0 - 0.5 ft								100	99	36	96	30	29
13B-0533-C3BS	0.5 - 1.5 ft									100	97	100	91	86
13B-0533-C3CS	1.5 - 2.5 ft									100	97	99	85	81
13B-0533-C3JS	8.5 - 9.35 ft									100	98	100	94	92
13B-0533-C3JT	8.5 - 9.35 ft									100	97	100	93	90
13B-0533-G1AS	0 - 0.5 ft									99	97	99	93	91
13B-0533-G1AT	0 - 0.5 ft									99	97	99	94	91

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Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0534-C2BS	0.5 - 1.5 ft									100	96	99	83	78
13B-0534-C2CS	1.5 - 2.5 ft									100	97	100	84	79
13B-0534-C2IS	7.5 - 8.59 ft									100	99	100	93	90
13B-0534-G1AS	0 - 0.5 ft									100	90	99	81	77
13B-0534-G1AT	0 - 0.5 ft									99	90	98	80	75
13B-0535-C2BS	0.5 - 1.5 ft								100	80	22	64	16	13
13B-0535-C2CS	1.5 - 2.45 ft								100	65	11	44	6	6
13B-0535-G1AS	0 - 0.5 ft								100	93	50	90	42	40
13B-0536-C1BS	0.5 - 1.5 ft						100		96	96	94	96	89	83
13B-0536-C1CS	1.5 - 2.5 ft									100	96	100	90	87
13B-0536-C1FS	4.28 - 5.28 ft									100	92	99	82	79
13B-0536-C3AS	0 - 0.5 ft								100	94	76	92	59	55
13B-0537-C2AS	0 - 0.5 ft									99	38	95	30	28
13B-0538-C2AS	0 - 0.5 ft						100		96	93	75	90	71	68
13B-0538-C3BS	0.5 - 1.5 ft									100	95	99	93	91
13B-0538-C3CS	1.5 - 2.5 ft									100	82	98	78	75
13B-0538-C3ES	3.5 - 4.8 ft								100	97	37	94	26	25
13B-0539-C3BS	0.5 - 1.5 ft									98	90	97	84	81
13B-0539-C3CS	1.5 - 2.5 ft									99	93	98	88	85
13B-0539-C3HS	6.5 - 7.59 ft								100	81	28	71	23	21
13B-0539-G2AS	0 - 0.5 ft								100	77	61	73	55	54
13B-0539-G2AT	0 - 0.5 ft								100	84	65	79	58	55
13B-0540-C3AS	0 - 0.5 ft									100	92	99	85	81
13B-0540-C3BS	0.5 - 1.5 ft								100	98	79	98	55	53
13B-0540-C3CS	1.5 - 2.5 ft								100	99	94	99	73	68
13B-0540-C4LS	10.3 - 11.25 ft									98	53	93	48	46
13B-0541-C1CS	1.5 - 2.5 ft									99	88	98	83	82
13B-0541-C1FS	4.5 - 5.67 ft						100		95	76	14	61	8	7
13B-0541-C2AS	0 - 0.5 ft									99	79	98	69	67
13B-0541-C2BS	0.5 - 1.5 ft								100	84	49	77	38	35
13B-0542-C2BS	0.5 - 1.5 ft								100	92	63	86	42	38
13B-0542-C2CS	1.5 - 2.5 ft								100	97	55	95	39	37
13B-0542-C2HS	6.5 - 7.55 ft								100	96	29	90	14	13
13B-0542-C3AS	0 - 0.5 ft						94	100	94	93	69	90	49	45

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Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0543-G1AS	0 - 0.5 ft								100	95	57	87	44	41
13B-0544-C1AS	0 - 0.5 ft								100	89	36	80	21	20
13B-0544-C1ES	3.5 - 4.33 ft								100	98	66	97	42	40
13B-0544-C2BS	0.5 - 1.5 ft						100		100	88	32	75	26	25
13B-0544-C2CS	1.5 - 2.5 ft									97	62	92	52	50
13B-0546-G2AS	0 - 0.5 ft						97	100	91	65	8	47	5	5
13B-0547-C2HS	6.5 - 7.15 ft								100	86	51	77	33	29
13B-0547-C3BS	0.5 - 1.5 ft									100	94	99	90	87
13B-0547-C3CS	1.5 - 2.5 ft						93	100	93	93	82	92	69	66
13B-0547-G1AS	0 - 0.5 ft								100	98	92	97	87	84
13B-0548-C1IS	7.5 - 8.79 ft								100	99	40	99	22	20
13B-0548-C2AS	0 - 0.5 ft									100	79	99	31	29
13B-0548-C2BS	0.5 - 1.5 ft								100	100	82	99	29	27
13B-0548-C2BT	0.5 - 1.5 ft									100	82	99	28	27
13B-0548-C2CS	1.5 - 2.5 ft									100	81	100	64	61
13B-0549-C2AS	0 - 0.5 ft								100	99	77	98	55	52
13B-0549-C3BS	0.5 - 1.5 ft						100		97	92	48	88	18	17
13B-0549-C3CS	1.5 - 2.65 ft								100	98	47	94	21	20
13B-0550-C1AS	0 - 0.5 ft									99	71	98	40	39
13B-0550-C3BS	0.5 - 1.5 ft								100	93	53	85	41	39
13B-0550-C3CS	1.5 - 2.5 ft								100	98	63	96	34	33
13B-0550-C3FS	4.5 - 5.37 ft						93	100	93	89	33	86	19	17
13B-0551-C2BS	0.5 - 0.88 ft						76	100	74	57	9	45	3	< 3
13B-0551-G2AS	0 - 0.5 ft								100	88	30	77	16	16
13B-0552-C1BS	0.5 - 1.5 ft								100	98	33	94	14	13
13B-0552-C2AS	0 - 0.5 ft									100	84	99	78	75
13B-0552-C2CS	1.5 - 2.5 ft								100	97	18	92	12	11
13B-0552-C2CT	1.5 - 2.5 ft								100	97	30	91	10	9
13B-0553-C1AS	0 - 0.5 ft						100		95	84	41	78	24	23
13B-0553-C2BS	0.5 - 1.5 ft									98	73	96	63	60
13B-0553-C2CS	1.5 - 2.5 ft									100	93	99	90	86
13B-0554-C1BS	0.5 - 1.5 ft						100		99	98	56	95	37	35
13B-0554-C1CS	1.5 - 2.5 ft								100	90	41	83	28	28
13B-0554-C1ES	3.5 - 4.7 ft						100		97	92	62	88	51	50

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0554-G2AS	0 - 0.5 ft									99	60	98	30	30
13B-0555-C2AS	0 - 0.5 ft									100	98	100	96	93
13B-0555-C2BS	0.5 - 1.5 ft									100	97	99	94	92
13B-0555-C2CS	1.5 - 2 ft								100	99	95	99	90	88
13B-0555-C2DS	2 - 3 ft									99	86	98	81	78
13B-0556-C1BS	0.5 - 1.5 ft								100	99	61	98	34	31
13B-0556-C1CS	1.5 - 2.5 ft									98	65	97	39	37
13B-0556-C3AS	0 - 0.5 ft								100	99	76	98	43	40
13B-0557-C1AS	0 - 0.5 ft									100	71	100	50	47
13B-0557-C2BS	0.5 - 1.5 ft									100	80	99	66	63
13B-0557-C2CS	1.5 - 2.5 ft									99	79	97	60	58
13B-0557-C2ES	3.5 - 4.5 ft						100		98	97	67	95	50	48
13B-0558-C2CS	1.5 - 2.5 ft									100	83	99	61	58
13B-0558-C2FS	4.5 - 5.75 ft								100	64	6	40	3	< 3
13B-0558-C3AS	0 - 0.5 ft								100	100	32	99	15	15
13B-0558-C3BS	0.5 - 1.5 ft									99	66	97	43	41
13B-0559-C2BS	0.5 - 1.5 ft								100	96	48	95	35	34
13B-0559-C2CS	1.5 - 2.5 ft									100	79	99	71	67
13B-0559-C2GS	5.5 - 646 ft									96	60	91	34	31
13B-0559-G1AS	0 - 0.5 ft					9				99	16	98	10	10
13B-0560-C3AS	0 - 0.5 ft								100	93	8	85	5	5
13B-0560-C3BS	0.5 - 1.5 ft								100	97	36	92	27	27
13B-0560-C3CS	1.5 - 2.5 ft								100	96	52	89	36	35
13B-0560-C3GS	4.9 - 6.5 ft								100	99	91	98	84	82
13B-0561-C1CS	1.5 - 2.5 ft								100	92	31	83	18	17
13B-0561-C2AS	0 - 0.5 ft						99	100	99	97	50	96	25	22
13B-0561-C2BS	0.5 - 1.5 ft									97	53	93	38	35
13B-0562-G1AS	0 - 0.5 ft								100	96	22	89	11	11
13B-0563-C1BS	0.5 - 1.5 ft								100	96	4	83	3	< 3
13B-0563-C1CS	1.5 - 2.5 ft								100	99	95	98	91	89
13B-0563-G1AS	0 - 0.5 ft								100	95	10	85	5	< 5
13B-0563-G1AT	0 - 0.5 ft								100	95	9	84	5	5
13B-0564-G2AS	0 - 0.5 ft									100	97	100	94	93
13B-0565-G1AS	0 - 0.5 ft			8			92	100	92	84	21	81	9	9

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422	D422
Analyte		HYDROMETER READING, PERCENT FINER THAN 0.0377 mm	HYDROMETER READING, PERCENT FINER THAN 0.0378 mm	HYDROMETER READING, PERCENT FINER THAN 0.0379 mm	HYDROMETER READING, PERCENT FINER THAN 0.0380 mm	HYDROMETER READING, PERCENT FINER THAN 0.0382 mm	SIEVE, 0.5 INCH, PERCENT PASSING	SIEVE, 19000 MICRONS, PERCENT PASSING	SIEVE, 9500 MICRONS, PERCENT PASSING	SIEVE, NO. 10, PERCENT PASSING	SIEVE, NO. 100, PERCENT PASSING	SIEVE, NO. 20, PERCENT PASSING	SIEVE, NO. 200, PERCENT PASSING	SIEVE, NO. 230, PERCENT PASSING (a)
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%
Minimum Detect		6	12	8	10	9	74	100	74	40	2	23	0	5
Maximum Detect		6	12	8	10	9	100	100	100	100	99	100	97	95
Mean of Detects		6.00	12.0	8.00	10.0	9.00	96.7	100	98.5	93.9	57.5	89.0	44.9	45.2
St. Dev. of Detects		0.00	0.00	0.00	0.00	0.00	6.17	0.00	4.03	9.66	30.7	14.8	30.5	28.5
CV of Detects		0.00	0.00	0.00	0.00	0.00	0.0638	0.00	0.0409	0.103	0.534	0.166	0.680	0.630
% Detected		100	100	100	100	100	100	100	100	100	100	100	100	93.9
Sample ID	Depth Interval													
13B-0566-G3AS	0 - 0.5 ft						100		91	65	28	54	16	15
13B-0567-G2AS	0 - 0.5 ft								100	98	96	98	94	91
13B-0568-G2AS	0 - 0.5 ft									100	99	100	90	87
13B-0571-C4AS	0 - 0.5 ft								100	98	63	93	47	45
13B-0571-C4BS	0.5 - 1.5 ft								100	97	52	94	33	32
13B-0571-C4CS	1.5 - 2.5 ft								100	89	31	79	20	18
13B-0571-C4MS	11.5 - 12.5 ft								100	78	3	56	2	< 2
13B-0572-C1BS	0.5 - 1.5 ft						100		97	86	47	80	30	28
13B-0572-C1CS	1.5 - 2.27 ft								100	96	58	94	38	37
13B-0573-C2BS	0.5 - 1.5 ft								100	92	12	79	8	8
13B-0573-C2CS	1.5 - 2.5 ft						88	100	88	72	27	66	19	18
13B-0573-C2DS	2.5 - 3.75 ft						95	100	88	52	7	33	5	5
13B-0573-C4AS	0 - 0.5 ft								100	96	7	87	5	5
13B-0574-C1BS	0.5 - 1.5 ft								100	94	55	90	34	31
13B-0574-C1CS	1.5 - 2.5 ft								100	91	53	86	42	41
13B-0574-C2HS	6.4 - 7.4 ft									97	24	88	20	20
13B-0574-G2AS	0 - 0.5 ft						90	100	82	56	16	46	10	10
13B-0575-C1AS	0 - 0.5 ft								100	99	68	98	36	34
13B-0575-C1BS	0.5 - 1.5 ft									100	96	100	91	89
13B-0575-C4CS	1.5 - 2.5 ft									100	71	100	43	39
13B-0575-C4FS	4.3 - 5.44 ft									100	50	99	18	16
13B-0577-G1AS	0 - 0.5 ft								100	98	51	94	40	37
13B-0578-C5GS	5.25 - 6.25 ft						100		98	69	21	50	14	13
13B-0578-C6AS	0 - 0.5 ft						100		94	80	44	69	40	39
13B-0578-C6CS	1.5 - 2.5 ft						100		100	98	74	95	59	55
13B-0578-C6CT	1.5 - 2.5 ft									99	74	96	57	52
13B-0578-C7BS	0.5 - 1.5 ft								100	84	30	70	24	23

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0501-C2AS	0 - 0.5 ft	100	83	39
13B-0501-C2BS	0.5 - 1.5 ft	98	77	40
13B-0501-C2CS	1.5 - 2.5 ft	97	81	36
13B-0501-C2DS	2.5 - 3.32 ft	97	76	63
13B-0502-C2BS	0.5 - 1.5 ft	99	82	67
13B-0502-C2CS	1.5 - 2.45 ft	100	88	78
13B-0502-G1AS	0 - 0.5 ft	98	65	45
13B-0503-C1BS	0.5 - 1.5 ft	99	80	55
13B-0503-C1CS	1.5 - 2.5 ft	99	62	32
13B-0503-C2AS	0 - 0.5 ft	98	85	64
13B-0504-C2AS	0 - 0.5 ft	99	95	93
13B-0504-C2BS	0.5 - 1.5 ft	100	99	99
13B-0504-C2CS	1.5 - 2.5 ft	100	99	98
13B-0504-C4KS	9.5 - 10.25 ft	100	99	99
13B-0505-C1BS	0.5 - 1.5 ft	100	78	42
13B-0505-C2CS	1.5 - 2.5 ft	100	85	57
13B-0505-C2FS	4.5 - 5.33 ft	100	92	85
13B-0505-G2AS	0 - 0.5 ft	100	99	98
13B-0506-C2CS	1.5 - 2.5 ft	78	23	17
13B-0506-C3BS	0.5 - 1.44 ft	99	82	60
13B-0506-G1AS	0 - 0.5 ft	100	96	81
13B-0507-C2BS	0.5 - 1.5 ft	100	86	65
13B-0507-C2CS	1.5 - 2.5 ft	99	82	57
13B-0507-C3AS	0 - 0.5 ft	99	93	84
13B-0507-C3DS	2.5 - 3.3 ft	99	91	56
13B-0508-G3AS	0 - 0.5 ft	57	9	4
13B-0509-C1ES	3.17 - 4.17 ft	98	90	83
13B-0509-C2BS	0.5 - 1.5 ft	92	83	81
13B-0509-C2CS	1.5 - 2.5 ft	100	99	99
13B-0510-C1AS	0 - 0.5 ft	99	87	70
13B-0510-C1BS	0.5 - 1.7 ft	96	67	48
13B-0511-C1AS	0 - 0.5 ft	98	96	95
13B-0511-C1BS	0.5 - 1.5 ft	100	97	96
13B-0511-C1CS	1.5 - 2.5 ft	100	95	93

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0511-C3HS	5.95 - 6.95 ft	94	70	57
13B-0512-G1AS	0 - 0.5 ft	100	94	87
13B-0513-G1AS	0 - 0.5 ft	98	88	86
13B-0514-G1AS	0 - 0.5 ft	100	96	93
13B-0515-C1BS	0.5 - 1.71 ft	88	17	7
13B-0515-C2AS	0 - 0.5 ft	100	98	96
13B-0515-C2CS	1.5 - 2.19 ft	96	16	8
13B-0516-C2CS	1.5 - 2.5 ft	100	97	95
13B-0516-C2LS	10.4 - 11.4 ft	100	98	94
13B-0516-C3AS	0 - 0.5 ft	99	98	95
13B-0516-C3BS	0.5 - 1.5 ft	98	94	91
13B-0517-G2AS	0 - 0.5 ft	90	63	40
13B-0518-G1AS	0 - 0.5 ft	99	96	83
13B-0518-G1AT	0 - 0.5 ft	100	95	68
13B-0519-C2BS	0.5 - 1.5 ft	100	99	95
13B-0519-C2CS	1.5 - 2.5 ft	100	99	98
13B-0519-C2RS	16.1 - 17.1 ft	100	62	34
13B-0519-C5AS	0 - 0.5 ft	100	99	96
13B-0520-G1AS	0 - 0.5 ft	100	98	96
13B-0521-C2HS	6.5 - 7.63 ft	100	99	99
13B-0521-C3AS	0 - 0.5 ft	100	98	90
13B-0521-C3BS	0.5 - 1.5 ft		98	80
13B-0521-C3CS	1.5 - 2.5 ft	100	97	87
13B-0522-G1AS	0 - 0.5 ft	100	96	94
13B-0522-G1AT	0 - 0.5 ft	100	96	95
13B-0523-G2AS	0 - 0.5 ft	100	99	99
13B-0524-C1BS	0.5 - 1.5 ft	99	94	91
13B-0524-C1CS	1.5 - 2.5 ft	99	93	90
13B-0524-C1GS	5.39 - 6.39 ft	89	64	60
13B-0524-G1AS	0 - 0.5 ft	99	92	88
13B-0525-C1BS	0.5 - 1.5 ft	99	92	90
13B-0525-C1CS	1.5 - 2.5 ft	100	98	95
13B-0525-C1HS	6.42 - 7.42 ft	100	98	93
13B-0525-C2AS	0 - 0.5 ft	100	95	92

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0526-C1BS	0.5 - 1.5 ft	100	93	86
13B-0526-C1HS	6.5 - 7.62 ft	99	93	90
13B-0526-C2AS	0 - 0.5 ft	95	67	53
13B-0526-C2CS	1.5 - 2.5 ft	100	96	92
13B-0526-C2CT	1.5 - 2.5 ft	100	96	91
13B-0527-C3BS	0.5 - 1.5 ft		99	85
13B-0527-C3CS	1.5 - 2.31 ft	97	78	66
13B-0527-C4AS	0 - 0.5 ft	99	95	93
13B-0528-C3CS	1.5 - 2.5 ft	100	98	96
13B-0528-C3LS	10.5 - 11.54 ft		99	97
13B-0528-C4AS	0 - 0.5 ft	100	100	99
13B-0528-C4BS	0.5 - 1.5 ft	100	98	98
13B-0529-C2BS	0.5 - 1.5 ft	96	29	15
13B-0529-C2CS	1.5 - 2.5 ft	99	37	21
13B-0529-C2ES	3.5 - 4.2 ft	99	36	19
13B-0529-C3AS	0 - 0.5 ft	99	49	22
13B-0530-C4AS	0 - 0.5 ft	100	97	95
13B-0530-C4BS	0.5 - 1.5 ft	100	71	50
13B-0530-C4CS	1.5 - 1.62 ft	100	57	37
13B-0531-C1BS	0.5 - 1.5 ft	97	37	22
13B-0531-C1CS	1.5 - 2.3 ft	99	31	15
13B-0531-C2ES	3.5 - 4.42 ft	96	32	17
13B-0531-C3AS	0 - 0.5 ft	94	39	23
13B-0531-C3AT	0 - 0.5 ft	94	42	24
13B-0532-C1BS	0.5 - 1.5 ft	99	60	34
13B-0532-C1CS	1.5 - 2.5 ft	99	78	67
13B-0532-C1DS	2.5 - 3.73 ft	98	29	10
13B-0532-C2AS	0 - 0.5 ft	100	86	64
13B-0533-C3BS	0.5 - 1.5 ft	100	99	98
13B-0533-C3CS	1.5 - 2.5 ft	100	98	97
13B-0533-C3JS	8.5 - 9.35 ft	100	100	99
13B-0533-C3JT	8.5 - 9.35 ft	100	99	99
13B-0533-G1AS	0 - 0.5 ft	100	98	98
13B-0533-G1AT	0 - 0.5 ft	100	99	99

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0534-C2BS	0.5 - 1.5 ft	100	99	98
13B-0534-C2CS	1.5 - 2.5 ft	100	99	99
13B-0534-C2IS	7.5 - 8.59 ft		100	99
13B-0534-G1AS	0 - 0.5 ft	100	98	96
13B-0534-G1AT	0 - 0.5 ft	100	98	97
13B-0535-C2BS	0.5 - 1.5 ft	94	46	33
13B-0535-C2CS	1.5 - 2.45 ft	90	23	14
13B-0535-G1AS	0 - 0.5 ft	96	81	64
13B-0536-C1BS	0.5 - 1.5 ft	96	96	95
13B-0536-C1CS	1.5 - 2.5 ft	100	100	99
13B-0536-C1FS	4.28 - 5.28 ft	100	98	96
13B-0536-C3AS	0 - 0.5 ft	97	89	85
13B-0537-C2AS	0 - 0.5 ft	100	87	67
13B-0538-C2AS	0 - 0.5 ft	94	84	79
13B-0538-C3BS	0.5 - 1.5 ft	100	98	97
13B-0538-C3CS	1.5 - 2.5 ft	100	92	87
13B-0538-C3ES	3.5 - 4.8 ft	99	83	59
13B-0539-C3BS	0.5 - 1.5 ft	100	95	93
13B-0539-C3CS	1.5 - 2.5 ft	100	96	95
13B-0539-C3HS	6.5 - 7.59 ft	96	52	35
13B-0539-G2AS	0 - 0.5 ft	82	69	65
13B-0539-G2AT	0 - 0.5 ft	91	74	69
13B-0540-C3AS	0 - 0.5 ft		98	96
13B-0540-C3BS	0.5 - 1.5 ft	99	97	94
13B-0540-C3CS	1.5 - 2.5 ft	100	98	94
13B-0540-C4LS	10.3 - 11.25 ft	100	80	63
13B-0541-C1CS	1.5 - 2.5 ft	100	95	92
13B-0541-C1FS	4.5 - 5.67 ft	85	37	23
13B-0541-C2AS	0 - 0.5 ft	100	94	86
13B-0541-C2BS	0.5 - 1.5 ft	91	70	59
13B-0542-C2BS	0.5 - 1.5 ft	98	73	69
13B-0542-C2CS	1.5 - 2.5 ft	99	90	76
13B-0542-C2HS	6.5 - 7.55 ft	99	75	54
13B-0542-C3AS	0 - 0.5 ft	94	86	79

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0543-G1AS	0 - 0.5 ft	99	79	73
13B-0544-C1AS	0 - 0.5 ft	95	69	58
13B-0544-C1ES	3.5 - 4.33 ft	98	96	92
13B-0544-C2BS	0.5 - 1.5 ft	96	57	40
13B-0544-C2CS	1.5 - 2.5 ft	100	84	74
13B-0546-G2AS	0 - 0.5 ft	81	27	15
13B-0547-C2HS	6.5 - 7.15 ft	93	69	63
13B-0547-C3BS	0.5 - 1.5 ft	100	99	97
13B-0547-C3CS	1.5 - 2.5 ft	93	90	87
13B-0547-G1AS	0 - 0.5 ft	99	97	96
13B-0548-C1IS	7.5 - 8.79 ft	100	97	79
13B-0548-C2AS	0 - 0.5 ft	100	96	91
13B-0548-C2BS	0.5 - 1.5 ft	100	98	93
13B-0548-C2BT	0.5 - 1.5 ft	100	96	93
13B-0548-C2CS	1.5 - 2.5 ft	100	99	94
13B-0549-C2AS	0 - 0.5 ft	99	96	93
13B-0549-C3BS	0.5 - 1.5 ft	96	80	59
13B-0549-C3CS	1.5 - 2.65 ft	99	76	50
13B-0550-C1AS	0 - 0.5 ft	100	95	89
13B-0550-C3BS	0.5 - 1.5 ft	97	74	64
13B-0550-C3CS	1.5 - 2.5 ft	99	94	90
13B-0550-C3FS	4.5 - 5.37 ft	93	80	64
13B-0551-C2BS	0.5 - 0.88 ft	68	30	18
13B-0551-G2AS	0 - 0.5 ft	96	59	42
13B-0552-C1BS	0.5 - 1.5 ft	100	72	41
13B-0552-C2AS	0 - 0.5 ft		99	97
13B-0552-C2CS	1.5 - 2.5 ft	99	71	37
13B-0552-C2CT	1.5 - 2.5 ft	99	67	35
13B-0553-C1AS	0 - 0.5 ft	89	69	53
13B-0553-C2BS	0.5 - 1.5 ft	100	88	79
13B-0553-C2CS	1.5 - 2.5 ft	100	97	96
13B-0554-C1BS	0.5 - 1.5 ft	99	83	69
13B-0554-C1CS	1.5 - 2.5 ft	96	73	60
13B-0554-C1ES	3.5 - 4.7 ft	97	84	76

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0554-G2AS	0 - 0.5 ft	100	96	91
13B-0555-C2AS	0 - 0.5 ft	100	99	99
13B-0555-C2BS	0.5 - 1.5 ft	100	99	98
13B-0555-C2CS	1.5 - 2 ft	100	98	97
13B-0555-C2DS	2 - 3 ft	100	97	91
13B-0556-C1BS	0.5 - 1.5 ft	100	95	85
13B-0556-C1CS	1.5 - 2.5 ft	100	93	82
13B-0556-C3AS	0 - 0.5 ft	99	97	93
13B-0557-C1AS	0 - 0.5 ft	100	98	92
13B-0557-C2BS	0.5 - 1.5 ft	100	97	93
13B-0557-C2CS	1.5 - 2.5 ft	100	94	90
13B-0557-C2ES	3.5 - 4.5 ft	98	90	81
13B-0558-C2CS	1.5 - 2.5 ft	100	97	92
13B-0558-C2FS	4.5 - 5.75 ft	90	21	9
13B-0558-C3AS	0 - 0.5 ft	100	95	78
13B-0558-C3BS	0.5 - 1.5 ft	100	94	86
13B-0559-C2BS	0.5 - 1.5 ft	98	92	73
13B-0559-C2CS	1.5 - 2.5 ft	100	97	91
13B-0559-C2GS	5.5 - 646 ft	100	85	76
13B-0559-G1AS	0 - 0.5 ft	100	93	42
13B-0560-C3AS	0 - 0.5 ft	98	64	24
13B-0560-C3BS	0.5 - 1.5 ft	99	83	69
13B-0560-C3CS	1.5 - 2.5 ft	99	80	71
13B-0560-C3GS	4.9 - 6.5 ft	100	95	91
13B-0561-C1CS	1.5 - 2.5 ft	97	65	45
13B-0561-C2AS	0 - 0.5 ft	99	91	81
13B-0561-C2BS	0.5 - 1.5 ft	100	82	65
13B-0562-G1AS	0 - 0.5 ft	98	72	42
13B-0563-C1BS	0.5 - 1.5 ft	99	49	16
13B-0563-C1CS	1.5 - 2.5 ft	100	97	96
13B-0563-G1AS	0 - 0.5 ft	99	58	26
13B-0563-G1AT	0 - 0.5 ft	99	57	25
13B-0564-G2AS	0 - 0.5 ft		99	98
13B-0565-G1AS	0 - 0.5 ft	86	74	64

APPENDIX I
DATA RESULTS SUMMARY
Grain Size

Analytic Method		D422	D422	D422
Analyte		SIEVE, NO. 4, PERCENT PASSING	SIEVE, NO. 40, PERCENT PASSING	SIEVE, NO. 60, PERCENT PASSING
Unit		%	%	%
Minimum Detect		57	9	4
Maximum Detect		100	100	99
Mean of Detects		97.2	80.9	70.2
St. Dev. of Detects		5.82	21.7	27.5
CV of Detects		0.0599	0.268	0.392
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0566-G3AS	0 - 0.5 ft	81	44	35
13B-0567-G2AS	0 - 0.5 ft	99	97	96
13B-0568-G2AS	0 - 0.5 ft		100	99
13B-0571-C4AS	0 - 0.5 ft	100	88	77
13B-0571-C4BS	0.5 - 1.5 ft	99	86	69
13B-0571-C4CS	1.5 - 2.5 ft	96	64	45
13B-0571-C4MS	11.5 - 12.5 ft	92	26	6
13B-0572-C1BS	0.5 - 1.5 ft	91	72	62
13B-0572-C1CS	1.5 - 2.27 ft	98	88	77
13B-0573-C2BS	0.5 - 1.5 ft	97	55	27
13B-0573-C2CS	1.5 - 2.5 ft	78	55	35
13B-0573-C2DS	2.5 - 3.75 ft	73	18	11
13B-0573-C4AS	0 - 0.5 ft	99	66	18
13B-0574-C1BS	0.5 - 1.5 ft	96	81	71
13B-0574-C1CS	1.5 - 2.5 ft	95	77	65
13B-0574-C2HS	6.4 - 7.4 ft	100	62	35
13B-0574-G2AS	0 - 0.5 ft	68	35	26
13B-0575-C1AS	0 - 0.5 ft	100	94	88
13B-0575-C1BS	0.5 - 1.5 ft	100	99	98
13B-0575-C4CS	1.5 - 2.5 ft		100	96
13B-0575-C4FS	4.3 - 5.44 ft	100	99	92
13B-0577-G1AS	0 - 0.5 ft	100	82	71
13B-0578-C5GS	5.25 - 6.25 ft	86	34	26
13B-0578-C6AS	0 - 0.5 ft	89	57	51
13B-0578-C6CS	1.5 - 2.5 ft	99	89	82
13B-0578-C6CT	1.5 - 2.5 ft	100	90	82
13B-0578-C7BS	0.5 - 1.5 ft	95	53	38

Notes:
(a) The laboratory performing the grain size analysis, Geotesting Express, Inc. used a #200 mesh screen to determine the fines content as opposed to the #230 mesh screen that was specified in the SOP. To provide consistency with the LRC and LRC SSP sampling programs, Geotesting Express, Inc. estimated the percent passing a #230 sieve (see Section 2.7 for a description of the procedure). Entries with a "<" indicate the laboratory could not differentiate the #230 value; the #200 value is presented with the "<" symbol.
% = percent
ft = feet
mm = millimeter
CV = Coefficient of Variation
St. Dev. = Standard Deviation

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0501-C1AS	0 - 0.5 ft	320
13B-0501-C1BS	0.5 - 1.5 ft	471
13B-0501-C1CS	1.5 - 2.5 ft	852
13B-0501-C1DS	2.5 - 3.07 ft	5170
13B-0502-C2AS	0 - 0.5 ft	1980
13B-0502-C2BS	0.5 - 1.5 ft	1070
13B-0502-C2CS	1.5 - 2.45 ft	3740
13B-0503-C1AS	0 - 0.5 ft	304
13B-0503-C1BS	0.5 - 1.5 ft	6.95
13B-0503-C1CS	1.5 - 2.5 ft	5.17
13B-0503-C1DS	2.5 - 2.5 ft	7.40
13B-0504-C4AS	0 - 0.5 ft	24300 J
13B-0504-C4BS	0.5 - 1.5 ft	26400 J
13B-0504-C4CS	1.5 - 2.5 ft	8690
13B-0504-C4KS	9.5 - 10.25 ft	3630
13B-0505-C1AS	0 - 0.5 ft	2160 J
13B-0505-C1BS	0.5 - 1.5 ft	651
13B-0505-C1CS	1.5 - 2.5 ft	3070
13B-0505-C1FS	4.5 - 5.2 ft	381
13B-0506-C2AS	0 - 0.5 ft	879
13B-0506-C2BS	0.5 - 1.5 ft	251
13B-0506-C2CS	1.5 - 2.5 ft	36.4 J
13B-0507-C2AS	0 - 0.5 ft	122
13B-0507-C2BS	0.5 - 1.5 ft	12.3
13B-0507-C2CS	1.5 - 2.5 ft	8.62
13B-0507-C2DS	2.5 - 3.5 ft	12.3
13B-0508-G3AS	0 - 0.5 ft	70.7
13B-0509-C1AS	0 - 0.5 ft	5420
13B-0509-C1BS	0.5 - 1.5 ft	2270
13B-0509-C1CS	1.5 - 2.5 ft	5400
13B-0509-C1ES	3.17 - 4.17 ft	10400
13B-0510-C3AS	0 - 0.5 ft	2470
13B-0510-C3BS	0.5 - 1.9 ft	293
13B-0511-C3AS	0 - 0.5 ft	2620 J
13B-0511-C3BS	0.5 - 1.5 ft	2120 J
13B-0511-C3CS	1.5 - 2.5 ft	3520
13B-0511-C3HS	5.95 - 6.95 ft	5100
13B-0512-G1AS	0 - 0.5 ft	1790 J
13B-0513-G1AS	0 - 0.5 ft	5510 J
13B-0514-G1AS	0 - 0.5 ft	1870 J
13B-0515-C1AS	0 - 0.5 ft	536
13B-0515-C1BS	0.5 - 1.71 ft	11.1
13B-0515-C2CS	1.5 - 2.19 ft	3.32
13B-0516-C2AS	0 - 0.5 ft	1620 J
13B-0516-C2BS	0.5 - 1.5 ft	2750 J
13B-0516-C2CS	1.5 - 2.5 ft	10500 J

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0516-C2LS	10.4 - 11.4 ft	4710
13B-0517-G2AS	0 - 0.5 ft	72.1
13B-0518-G1AS	0 - 0.5 ft	381 J
13B-0518-G1AT	0 - 0.5 ft	1360 J
13B-0519-C2AS	0 - 0.5 ft	1370 J
13B-0519-C2BS	0.5 - 1.5 ft	1490
13B-0519-C2CS	1.5 - 2.5 ft	7800 J
13B-0519-C2RS	16.1 - 17.1 ft	1.74
13B-0520-G1AS	0 - 0.5 ft	1540 J
13B-0521-C2BS	0.5 - 1.5 ft	185
13B-0521-C2CS	1.5 - 2.5 ft	431
13B-0521-C2HS	6.5 - 7.63 ft	12300 J
13B-0521-C3AS	0 - 0.5 ft	255
13B-0522-G1AS	0 - 0.5 ft	2540 J
13B-0522-G1AT	0 - 0.5 ft	2510 J
13B-0523-G2AS	0 - 0.5 ft	2730 J
13B-0524-C1AS	0 - 0.5 ft	1490 J
13B-0524-C1BS	0.5 - 1.5 ft	1780 J
13B-0524-C1CS	1.5 - 2.5 ft	1890 J
13B-0524-C1GS	5.39 - 6.39 ft	7530 J
13B-0525-C1AS	0 - 0.5 ft	2100 J
13B-0525-C1BS	0.5 - 1.5 ft	2520 J
13B-0525-C1CS	1.5 - 2.5 ft	2820 J
13B-0525-C1HS	6.42 - 7.42 ft	4580
13B-0526-C1AS	0 - 0.5 ft	7060 J
13B-0526-C1BS	0.5 - 1.5 ft	12000 J
13B-0526-C1CS	1.5 - 2.5 ft	12000 J
13B-0526-C1CT	1.5 - 2.5 ft	12300 J
13B-0526-C1HS	6.5 - 7.62 ft	1060
13B-0527-C2BS	0.5 - 1.5 ft	20.1
13B-0527-C2CS	1.5 - 2.6 ft	16.0
13B-0527-C3AS	0 - 0.5 ft	322
13B-0528-C3AS	0 - 0.5 ft	3320 J
13B-0528-C3BS	0.5 - 1.5 ft	13800 J
13B-0528-C3CS	1.5 - 2.5 ft	30200 J
13B-0528-C3LS	10.5 - 11.54 ft	9210
13B-0529-C2AS	0 - 0.5 ft	183
13B-0529-C2BS	0.5 - 1.5 ft	155
13B-0529-C2CS	1.5 - 2.5 ft	318
13B-0529-C2ES	3.5 - 4.2 ft	122
13B-0530-C3AS	0 - 0.5 ft	2460 J
13B-0530-C3BS	0.5 - 1.5 ft	543
13B-0530-C3CS	1.5 - 1.93 ft	347
13B-0531-C2AS	0 - 0.5 ft	213
13B-0531-C2AT	0 - 0.5 ft	158
13B-0531-C2BS	0.5 - 1.5 ft	192

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0531-C2CS	1.5 - 2.5 ft	186
13B-0531-C2ES	3.5 - 4.42 ft	82.7
13B-0532-C1AS	0 - 0.5 ft	258
13B-0532-C1BS	0.5 - 1.5 ft	543
13B-0532-C1CS	1.5 - 2.5 ft	1000
13B-0532-C1DS	2.5 - 3.73 ft	239
13B-0533-C2BS	0.5 - 1.5 ft	11400 J
13B-0533-C2CS	1.5 - 2.5 ft	20400 J
13B-0533-C2JS	8.5 - 9.62 ft	8570
13B-0533-C2JT	8.5 - 9.62 ft	8430
13B-0533-C3AS	0 - 0.5 ft	3090 J
13B-0533-C3AT	0 - 0.5 ft	2700 J
13B-0534-C2AS	0 - 0.5 ft	12200 J
13B-0534-C2AT	0 - 0.5 ft	10100 J
13B-0534-C2BS	0.5 - 1.5 ft	9270
13B-0534-C2CS	1.5 - 2.5 ft	11000
13B-0534-C2IS	7.5 - 8.59 ft	8370
13B-0535-C2AS	0 - 0.5 ft	2730 J
13B-0535-C2BS	0.5 - 1.5 ft	503
13B-0535-C2CS	1.5 - 2.45 ft	36.3
13B-0536-C1AS	0 - 0.5 ft	3920 J
13B-0536-C1BS	0.5 - 1.5 ft	1650
13B-0536-C1CS	1.5 - 2.5 ft	3620
13B-0536-C1FS	4.28 - 5.28 ft	20300
13B-0537-C3AS	0 - 0.5 ft	699
13B-0538-C3AS	0 - 0.5 ft	22200 J
13B-0538-C3BS	0.5 - 1.5 ft	23300 J
13B-0538-C3CS	1.5 - 2.5 ft	10600 J
13B-0538-C3ES	3.5 - 4.8 ft	7050
13B-0539-C2AS	0 - 0.5 ft	2440
13B-0539-C2AT	0 - 0.5 ft	2340
13B-0539-C3BS	0.5 - 1.5 ft	12300
13B-0539-C3CS	1.5 - 2.5 ft	10300
13B-0539-C3HS	6.5 - 7.59 ft	13100
13B-0540-C4AS	0 - 0.5 ft	1850 J
13B-0540-C4BS	0.5 - 1.5 ft	2860 J
13B-0540-C4CS	1.5 - 2.5 ft	11800 J
13B-0540-C4LS	10.3 - 11.25 ft	588
13B-0541-C1AS	0 - 0.5 ft	2430 J
13B-0541-C1BS	0.5 - 1.5 ft	3900
13B-0541-C1CS	1.5 - 2.5 ft	2260
13B-0541-C1FS	4.5 - 5.67 ft	26.3 U
13B-0542-C2AS	0 - 0.5 ft	5610
13B-0542-C2BS	0.5 - 1.5 ft	7610
13B-0542-C2CS	1.5 - 2.5 ft	30600
13B-0542-C2HS	6.5 - 7.55 ft	10.1

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0543-G1AS	0 - 0.5 ft	1040 J
13B-0544-C2AS	0 - 0.5 ft	1070
13B-0544-C2BS	0.5 - 1.5 ft	1460
13B-0544-C2CS	1.5 - 2.5 ft	2110
13B-0544-C2ES	3 - 3.97 ft	1960
13B-0546-G2AS	0 - 0.5 ft	248 J
13B-0547-C2BS	0.5 - 1.5 ft	10500 J
13B-0547-C2CS	1.5 - 2.05 ft	4480
13B-0547-C2HS	6.5 - 7.15 ft	87.1
13B-0547-C3AS	0 - 0.5 ft	12400 J
13B-0548-C1AS	0 - 0.5 ft	882
13B-0548-C1BS	0.5 - 1.5 ft	789
13B-0548-C1BT	0.5 - 1.5 ft	858
13B-0548-C1CS	1.5 - 2.5 ft	3350
13B-0548-C1IS	7.5 - 8.79 ft	7.78
13B-0549-C3AS	0 - 0.5 ft	1240
13B-0549-C3BS	0.5 - 1.5 ft	1860
13B-0549-C3CS	1.5 - 2.65 ft	9100
13B-0550-C3AS	0 - 0.5 ft	953
13B-0550-C3BS	0.5 - 1.5 ft	1490
13B-0550-C3CS	1.5 - 2.5 ft	15300
13B-0550-C3FS	4.5 - 5.37 ft	10.7
13B-0551-C2AS	0 - 0.5 ft	708 J
13B-0551-C2BS	0.5 - 0.88 ft	567 J
13B-0552-C3AS	0 - 0.5 ft	1980 J
13B-0552-C3BS	0.5 - 1.5 ft	3570
13B-0552-C3CS	1.5 - 2.38 ft	7070
13B-0552-C3CT	1.5 - 2.38 ft	7150
13B-0553-C2AS	0 - 0.5 ft	891
13B-0553-C2BS	0.5 - 1.5 ft	3310
13B-0553-C2CS	1.5 - 2.5 ft	2360
13B-0553-C2DS	2.5 - 3.5 ft	7370
13B-0554-C1BS	0.5 - 1.5 ft	1940
13B-0554-C1CS	1.5 - 2.5 ft	2900
13B-0554-C1ES	3.5 - 4.7 ft	126
13B-0554-C4AS	0 - 0.5 ft	1090 J
13B-0555-C1AS	0 - 0.5 ft	14300 J
13B-0555-C1BS	0.5 - 1.22 ft	10400
13B-0555-C2CS	1.5 - 2 ft	13400 J
13B-0555-C2DS	2 - 3 ft	11700 J
13B-0556-C1AS	0 - 0.5 ft	939 J
13B-0556-C2BS	0.5 - 1.5 ft	1400
13B-0556-C2CS	1.5 - 2.38 ft	1480
13B-0557-C2AS	0 - 0.5 ft	1560 J
13B-0557-C2BS	0.5 - 1.5 ft	1620 J
13B-0557-C2CS	1.5 - 2.5 ft	2650

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0557-C2ES	3.5 - 4.5 ft	3240
13B-0558-C2AS	0 - 0.5 ft	1050
13B-0558-C2BS	0.5 - 1.5 ft	6890
13B-0558-C2CS	1.5 - 2.5 ft	3300
13B-0558-C2FS	4.5 - 5.75 ft	25.7
13B-0559-C2AS	0 - 0.5 ft	292
13B-0559-C3BS	0.5 - 1.5 ft	1710
13B-0559-C3CS	1.5 - 2.5 ft	2760
13B-0559-C3GS	5.5 - 6 ft	2070
13B-0560-C1AS	0 - 0.5 ft	271
13B-0560-C1BS	0.5 - 1.5 ft	1020
13B-0560-C1CS	1.5 - 2.5 ft	1320 J
13B-0560-C1GS	5.14 - 5.86 ft	11.7
13B-0561-C1AS	0 - 0.5 ft	3480
13B-0561-C1BS	0.5 - 1.5 ft	3150
13B-0561-C1CS	1.5 - 2.5 ft	2070
13B-0561-C1GS	5.5 - 6.5 ft	11.5
13B-0562-G2AS	0 - 0.5 ft	266
13B-0563-C1AS	0 - 0.5 ft	181 J
13B-0563-C1AT	0 - 0.5 ft	197 J
13B-0563-C2BS	0.5 - 1.1 ft	153 J
13B-0563-C2CS	1.1 - 2.5 ft	15100 J
13B-0563-C2IS	7.5 - 8.28 ft	2120 J
13B-0564-G2AS	0 - 0.5 ft	3260 J
13B-0565-G1AS	0 - 0.5 ft	415
13B-0566-G3AS	0 - 0.5 ft	395
13B-0567-G2AS	0 - 0.5 ft	2670 J
13B-0568-G2AS	0 - 0.5 ft	5860 J
13B-0570-G3AS	0 - 0.5 ft	1550 J
13B-0571-C3AS	0 - 0.5 ft	837
13B-0571-C3BS	0.5 - 1.5 ft	746
13B-0571-C3CS	1.5 - 2.5 ft	99.7
13B-0571-C3MS	11 - 12 ft	9.46 U
13B-0572-C1AS	0 - 0.5 ft	368
13B-0572-C1BS	0.5 - 1.5 ft	13200
13B-0572-C1CS	1.5 - 2.27 ft	5340
13B-0573-C2AS	0 - 0.5 ft	342
13B-0573-C2BS	0.5 - 1.5 ft	214
13B-0573-C2CS	1.5 - 2.5 ft	959
13B-0573-C2DS	2.5 - 3.75 ft	9.46
13B-0574-C1AS	0 - 0.5 ft	931
13B-0574-C2BS	0.5 - 1.5 ft	1320 J
13B-0574-C2CS	1.5 - 2.5 ft	2140
13B-0574-C2HS	6.4 - 7.4 ft	3430
13B-0575-C4AS	0 - 0.5 ft	9130 J
13B-0575-C4BS	0.5 - 1.5 ft	3410

APPENDIX I
DATA RESULTS SUMMARY
Mercury

	Analytic Method	**E1631E**
	Analyte	**Mercury**
	Unit	**ng/g**
	Minimum Detect	**1.74**
	Maximum Detect	**30600**
	Mean of Detects	**3930**
	St. Dev. of Detects	**5460**
	CV of Detects	**1.39**
	% Detected	**99.2**
Sample ID	**Depth Interval**	
13B-0575-C4CS	1.5 - 2.5 ft	13.8
13B-0575-C4FS	4.3 - 5.44 ft	5.22
13B-0577-G1AS	0 - 0.5 ft	790 J
13B-0578-C5AS	0 - 0.5 ft	308
13B-0578-C5BS	0.5 - 1.5 ft	2740
13B-0578-C5CS	1.5 - 2.5 ft	4750
13B-0578-C5CT	1.5 - 2.5 ft	5950
13B-0578-C5GS	5.25 - 6.25 ft	166

Notes:
% = percent
ft = feet
ng/g = nanogram per gram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0501-C1AS	0 - 0.5 ft	3240	0.252	1.44		62.7	0.166	0.534 J	3170		18.8 J	4.14 J		47.7 J	9910 J	
13B-0501-C1BS	0.5 - 1.5 ft	3120	0.245	1.72		64.8	0.149	0.759 J	1670		35.1 J	4.03 J		99.0 J	9050 J	
13B-0501-C1CS	1.5 - 2.5 ft	2780	0.904	3.87		55.3	0.149	2.57 J	1670		35.3 J	3.90 J		95.1 J	7810 J	
13B-0501-C1DS	2.5 - 3.07 ft	3320	2.81	11.4		113	0.193	1.85 J	2290		92.7 J	3.76 J		197 J	9280 J	
13B-0502-C2AS	0 - 0.5 ft	3140	0.173	1.69		40.6	0.174	0.538 J	1160		19.2 J	4.24 J		39.4 J	9360 J	
13B-0502-C2BS	0.5 - 1.5 ft	3840	0.562	4.03		105	0.191	2.85 J	2690		45.6 J	4.94 J		98.6 J	9460 J	
13B-0502-C2CS	1.5 - 2.45 ft	8590	1.31	9.44		246	0.469	7.13 J	3910		181 J	9.51 J		243 J	16400 J	
13B-0503-C1BS	0.5 - 1.5 ft	3950	0.052	1.7		21.8	0.198	0.039 J	591		8.30 J	3.98 J		91.5 J	8960 J	
13B-0503-C1CS	1.5 - 2.5 ft	3800	0.025 U	2.12		27.8	0.241	0.034 J	583		13.0 J	3.65 J		4.50 J	9710 J	
13B-0503-C2AS	0 - 0.5 ft	3520	0.051	1.26		21.1	0.171	0.094 J	560		8.12 J	3.46 J		8.57 J	8310 J	
13B-0504-C4AS	0 - 0.5 ft	17100 J	1.57 J	33.5 J		464 J	1.03 J	46.6 J	6090 J		879 J	11.7 J		787 J	25000 J	
13B-0504-C4BS	0.5 - 1.5 ft	14900 J	2.25 J	65.2 J		438 J	0.964 J	54.4 J	6290 J		1060 J	12.9 J		1000 J	24300 J	
13B-0504-C4CS	1.5 - 2.5 ft	9290	1.22 J	19.6		165	0.466	14.0 J	3280 J		230	6.60 J		296 J	15100	
13B-0504-C4KS	9.5 - 10.25 ft	5990 J	3.48 J	15.2 J		177 J	0.297 J	1.68 J	6950 J		111 J	4.87 J		263 J	11400 J	
13B-0505-C1BS	0.5 - 1.5 ft	3280	0.998 J	2.15		47.2 J	0.191	1.07 J	1890		29.5 J	4.39 J		117 J	9210	
13B-0505-C1CS	1.5 - 2.5 ft	6500	0.984 J	6.06		126 J	0.337	5.43 J	3450		160 J	7.22 J		174 J	14000	
13B-0505-C1FS	4.5 - 5.2 ft	2200	0.396 J	3.45		35.6 J	0.152	0.170 J	3820		14.0 J	3.65 J		31.1 J	7130	
13B-0505-C2AS	0 - 0.5 ft	11200 J	1.98 J	6.76 J		141 J	0.509 J	2.57 J	5220 J		104 J	8.01 J		166 J	21100 J	
13B-0506-C2BS	0.5 - 1.5 ft	3460	0.778 J	3.12		46.4 J	0.255	0.528 J	1230		22.7 J	5.32 J		61.3 J	8980	
13B-0506-C2CS	1.5 - 2.5 ft	4350	0.118 J	1.55		25.6 J	0.253	0.061 J	1000		11.4 J	6.16 J		22.3 J	11500	
13B-0506-C3AS	0 - 0.5 ft	7980 J	0.824 J	4.94 J		110 J	0.414 J	2.88 J	3530 J		83.1 J	6.92 J		168 J	20000 J	
13B-0507-C2AS	0 - 0.5 ft	11200	0.034 U	4.44		75	0.607	0.161 J	1960		23.1 J	9.70 J		24.7 J	18300 J	
13B-0507-C2BS	0.5 - 1.5 ft	5750	0.027 U	3.03		40.1	0.303	0.064 J	773		12.1 J	5.51 J		30.9 J	11500 J	
13B-0507-C2CS	1.5 - 2.5 ft	5150	0.026 U	1.88		32.4	0.247	0.057 J	879		9.67 J	4.81 J		4.43 J	9890 J	
13B-0507-C2DS	2.5 - 3.5 ft	6850	0.030 U	1.93		50.3	0.313	0.076 J	1210		13.5 J	5.62 J		5.31 J	11800 J	
13B-0508-G3AS	0 - 0.5 ft	2880	0.124	1.55		41.5	0.315 J	0.250 J	7720		10.7	4.68 J		33.8 J	9330	
13B-0509-C1AS	0 - 0.5 ft	9590	1.06 J	13.1	148		0.582	9.52 J	4530	326 J		9.34 J	234		18900	317 J
13B-0509-C1BS	0.5 - 1.5 ft	6040	1.86 J	5.17	88		0.36	1.25 J	8250	42.1 J		5.57 J	149		14400	117 J
13B-0509-C1CS	1.5 - 2.5 ft	9030	19.0 J	16.9	267		0.419	5.61 J	4180	163 J		6.11 J	651		16300	445 J
13B-0509-C1ES	3.17 - 4.17 ft	8890	9.24 J	52.4	338		0.353	2.15 J	3670	196 J		5.79 J	571		22200	795 J
13B-0510-C3AS	0 - 0.5 ft	5880	0.83	12.2		204	0.367	4.08 J	3640		150	5.45 J		138 J	14400	
13B-0510-C3BS	0.5 - 1.9 ft	3510	0.217	3.15		74.8	0.202	0.300 J	2690		13.5	2.90 J		36.5 J	9830	
13B-0511-C1BS	0.5 - 1.5 ft	16800 J	1.00 J	9.65 J		200 J	0.794 J	5.63 J	6420 J		169 J	10.9 J		230 J	32900 J	
13B-0511-C3AS	0 - 0.5 ft	14100 J	0.929 J	8.32 J		173 J	0.698 J	3.45 J	5970 J		126 J	9.72 J		172 J	31200 J	
13B-0511-C3CS	1.5 - 2.5 ft	12500	0.98	10.2		183	0.634	9.47 J	11400		288	8.98 J		246 J	20200 J	

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0511-C3HS	5.95 - 6.95 ft	7320	1.63	9.57		222	0.429	8.31 J	3220		166	6.14 J		200 J	14900 J	
13B-0512-G1AS	0 - 0.5 ft	10500 J	0.471 J	6.09 J		123 J	0.495 J	2.39 J	4620 J		92.2 J	7.59 J		130 J	21900 J	
13B-0513-G1AS	0 - 0.5 ft	15200 J	1.40 J	15.7 J		205 J	0.646 J	7.24 J	6150 J		268 J	10.6 J		289 J	28500 J	
13B-0514-G1AS	0 - 0.5 ft	10900 J	0.973 J	5.75 J		144 J	0.518 J	2.86 J	5740 J		90.0 J	8.55 J		133 J	22700 J	
13B-0515-C1BS	0.5 - 1.71 ft	4430	0.025 U	0.99		30.5	0.193	0.026 J	663		5.7	3.02 J		2.33 J	14700 J	
13B-0515-C2AS	0 - 0.5 ft	12000	2.13	15.8		300	0.804	22.7 J	6710		637	9.42 J		435 J	22200 J	
13B-0515-C2CS	1.5 - 2.19 ft	3530	0.027 U	1		25	0.194	0.025 J	762		4.66	2.81 J		1.75 J	11600 J	
13B-0516-C2AS	0 - 0.5 ft	8790 J	1.16 J	4.39 J	142 J		0.408 J	2.60 J	4850 J	76.8 J		6.710 J	131 J		20700 J	162 J
13B-0516-C2BS	0.5 - 1.5 ft	12400 J	1.23 J	6.67 J	199 J		0.574 J	5.27 J	5010 J	123 J		9.150 J	198 J		23300 J	294 J
13B-0516-C2CS	1.5 - 2.5 ft	14400 J	2.29 J	10.6 J	253 J		0.624 J	12.4 J	6130 J	457 J		18.3 J	411 J		23500 J	604 J
13B-0516-C2LS	10.4 - 11.4 ft	8080	5.45	11.6 J	179		0.533	13.6 J	6630	334		7.460 J	289		15400	317
13B-0517-G2AS	0 - 0.5 ft	3320	0.151	0.99	23.2		0.111	0.113 J	1450 J	10.3		1.84	15.2		11100	19.6
13B-0518-G1AS	0 - 0.5 ft	4010	0.304 J	1.66	75.7		0.18	0.728 J	2150	31.1		3.690 J	48		10300	77.1
13B-0518-G1AT	0 - 0.5 ft	4180	0.195 J	1.81	93.1		0.206	0.791 J	2230	25.5		4.370 J	39.3		10600	92.4
13B-0519-C2AS	0 - 0.5 ft	10100 J	2.43 J	4.89 J	152 J		0.470 J	2.62 J	4670 J	77.4 J		7.46 J	132 J		22300 J	179 J
13B-0519-C2BS	0.5 - 1.5 ft	7070	0.565	3.14	109		0.339	2.74 J	3100 J	58.6		5.63	94.7		14900	169
13B-0519-C2CS	1.5 - 2.5 ft	16000	1.77	14.7	270		0.769	13.4 J	5140 J	335		11.1	409		23900	516
13B-0519-C2RS	16.1 - 17.1 ft	1520	0.041 U	0.49	24.7		0.086	0.020 J	5880 J	3.2		1.45	3.3		5780	2.5
13B-0520-G1AS	0 - 0.5 ft	10800 J	1.04 J	5.79 J		162 J	0.493 J	2.64 J	5340 J		79.4 J	7.64 J		128 J	24800 J	
13B-0521-C2BS	0.5 - 1.5 ft	2550	0.200 J	0.57	38.1 J		0.137	0.398 J	1120	17.3		3.4200 J	26.2		8940	52.8 J
13B-0521-C2HS	6.5 - 7.63 ft	18100 J	4.13 J	36.0 J	347 J		0.845 J	30.6 J	5940 J	1150 J		14.2 J	653 J		25700 J	800 J
13B-0521-C3AS	0 - 0.5 ft	2690	0.257 J	0.74	48.0 J		0.125	0.444 J	1220	16.5		3.2900 J	25.9		7680	71.4 J
13B-0521-C3CS	1.5 - 2.5 ft	3650	0.435 J	1.18	55.0 J		0.152	0.874 J	1670	24.8		3.9100 J	42.4		9070	91.0 J
13B-0522-G1AS	0 - 0.5 ft	11700 J	0.945 J	7.11 J		187 J	0.657 J	3.33 J	5960 J		116 J	9.39 J		172 J	24900 J	
13B-0522-G1AT	0 - 0.5 ft	13700 J	0.922 J	7.60 J		197 J	0.678 J	3.44 J	6180 J		120 J	9.85 J		206 J	28000 J	
13B-0523-G2AS	0 - 0.5 ft	18500 J	0.866 J	9.90 J	194 J		0.905 J	3.90 J	7210 J	148 J		11.2 J	208 J		35400 J	214 J
13B-0524-C1BS	0.5 - 1.5 ft	12000 J	0.996 J	7.07 J	158 J		0.546 J	4.02 J	4850 J	101 J		9.2200 J	165 J		24500 J	193 J
13B-0524-C1CS	1.5 - 2.5 ft	12200 J	0.984 J	6.59 J	183 J		0.630 J	5.33 J	5390 J	99.5 J		10.1 J	171 J		24200 J	258 J
13B-0524-C1GS	5.39 - 6.39 ft	12400	1.53 J	7.5	174 J		0.465	8.95 J	5710	285		16.9 J	321		24500	407 J
13B-0524-G1AS	0 - 0.5 ft	9490 J	0.819 J	4.67 J	131 J		0.390 J	2.10 J	4090 J	69.2 J		6.9600 J	116 J		20100 J	131 J
13B-0525-C1AS	0 - 0.5 ft	10700 J	0.915 J	6.18 J	162 J		0.509 J	3.12 J	4930 J	93.2 J		8.300 J	145 J		24200 J	172 J
13B-0525-C1BS	0.5 - 1.5 ft	12100 J	1.08 J	6.61 J	175 J		0.554 J	4.10 J	5520 J	116 J		8.910 J	175 J		26100 J	225 J
13B-0525-C1CS	1.5 - 2.5 ft	13300 J	1.30 J	7.10 J	193 J		0.602 J	5.68 J	5220 J	128 J		9.450 J	207 J		25600 J	292 J
13B-0525-C1HS	6.42 - 7.42 ft	10800	1.4	6.25 J	178		0.46	7.53 J	4320	210		10.1 J	226		19000	449
13B-0526-C1AS	0 - 0.5 ft	11700 J	1.71 J	14.5 J		251 J	0.611 J	15.0 J	5460 J		559 J	9.00 J		374 J	21000 J	

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0526-C1BS	0.5 - 1.5 ft	24000 J	1.86 J	28.7 J		493 J	1.08 J	37.0 J	7730 J		1040 J	15.4 J		727 J	30500 J	
13B-0526-C1CS	1.5 - 2.5 ft	18300 J	2.40 J	34.3 J		382 J	0.887 J	28.8 J	6340 J		1370 J	13.1 J		606 J	25600 J	
13B-0526-C1CT	1.5 - 2.5 ft	21200 J	2.20 J	26.7 J		424 J	0.947 J	32.6 J	7000 J		1000 J	13.6 J		772 J	27400 J	
13B-0526-C1HS	6.5 - 7.62 ft	3620	0.87	3.22		66	0.197	2.51 J	6970		51.1	3.05 J		57.7 J	8960 J	
13B-0527-C1AS	0 - 0.5 ft	12700	0.053	0.53		203	0.442	0.116 J	3100		27.7	8.29 J		9.16 J	20100 J	
13B-0527-C2BS	0.5 - 1.5 ft	9850	0.032	1.61		151	0.494	0.134 J	2550		22.1	4.43 J		8.06 J	17500 J	
13B-0527-C3CS	1.5 - 2.31 ft	6690	0.059	8.73		120	0.304	0.092 J	1930		18.3	5.35 J		7.24 J	13100 J	
13B-0528-C3AS	0 - 0.5 ft	14700 J	1.30 J	8.79 J	220 J		0.619 J	4.34 J	7340 J	229 J		10.5 J	219 J		31000 J	242 J
13B-0528-C3BS	0.5 - 1.5 ft	19100 J	3.61 J	46.1 J	383 J		0.920 J	32.1 J	7630 J	1530 J		15.8 J	700 J		27600 J	861 J
13B-0528-C3CS	1.5 - 2.5 ft	16800 J	3.77 J	27.1 J	399 J		0.763 J	45.5 J	6100 J	581 J		10.7 J	807 J		24700 J	787 J
13B-0528-C3LS	10.5 - 11.54 ft	10700	10.8	15.1 J	278		0.478	2.97 J	7050	162		7.630 J	380		18600	431
13B-0529-C2AS	0 - 0.5 ft	3340	0.466 J	1.44		63.5	1.18 J	0.482 J	2320		30.7	15.4 J		183 J	12700	
13B-0529-C2BS	0.5 - 1.5 ft	3300	0.546 J	1.51		40.4	0.810 J	0.423 J	1130		36.1	15.0 J		141 J	12700	
13B-0529-C2CS	1.5 - 2.5 ft	3500	0.206 J	1.94		21.9	0.185 J	0.544 J	821		12.1	3.49 J		12.9 J	9080	
13B-0529-C2ES	3.5 - 4.2 ft	4180	0.162 J	1.72		21.5	0.144 J	0.071 J	1130		9.32	2.51 J		6.57 J	10800	
13B-0530-C3AS	0 - 0.5 ft	15600 J	1.03 J	8.69 J		223 J	0.750 J	3.94 J	7940 J		137 J	10.9 J		192 J	33800 J	
13B-0530-C3BS	0.5 - 1.5 ft	4290	0.37	2.14		161	0.406	1.29 J	2080		38.2	6.95 J		80.7 J	10700	
13B-0530-C3CS	1.5 - 1.93 ft	3060	0.158	1.74		39.4	0.247	0.754 J	1440		25.2	4.35 J		32.4 J	9320	
13B-0531-C1AS	0 - 0.5 ft	3910	0.361 J	1.63	95.2 J		0.250 J	0.454 J	2130	29.7 J		4.20 J	108		13700	115 J
13B-0531-C1AT	0 - 0.5 ft	4130	0.343 J	1.52	62.8 J		0.389 J	0.436 J	2050	29.4 J		6.18 J	133		12600	105 J
13B-0531-C1BS	0.5 - 1.5 ft	4260	0.244 J	1.25	35.2		0.454 J	0.526 J	1750 J	15.9 J		6.65 J	86.8 J		14100	51.9 J
13B-0531-C1CS	1.5 - 2.3 ft	3370	0.170 J	1.95	18.8		0.159	0.250 J	618	11.0 J		2.92 J	13.4		8570	25.7 J
13B-0531-C2ES	3.5 - 4.42 ft	3020	0.230 J	1.96	83.1		0.178	0.066 J	1110	11.2 J		3.27 J	13.3		9490	11.6 J
13B-0532-C1AS	0 - 0.5 ft	3550	0.769 J	0.95	67.1 J		0.347	0.486 J	1800	45.7		6.1500 J	105		10400	130 J
13B-0532-C1BS	0.5 - 1.5 ft	3430	0.677 J	1.48	42.4 J		0.617	0.454 J	1810	43.3		14.1 J	89.9		9830	83.9 J
13B-0532-C1CS	1.5 - 2.5 ft	5040	2.14 J	3.22	78.8 J		0.227	0.385 J	6740	27.9		4.4900 J	55.7		12100	56.0 J
13B-0532-C1DS	2.5 - 3.73 ft	2970	0.295 J	1.46	23.6 J		0.14	0.074 J	571	10.6		2.7400 J	6.9		7640	10.2 J
13B-0533-C1AS	0 - 0.5 ft	15300 J	0.918 J	12.2 J		263 J	0.799 J	7.09 J	7520 J		297 J	12.0 J		255 J	32400 J	
13B-0533-C1AT	0 - 0.5 ft	13600 J	1.04 J	13.1 J		267 J	0.790 J	7.62 J	7010 J		334 J	12.1 J		263 J	29700 J	
13B-0533-C3BS	0.5 - 1.5 ft	15700 J	2.06 J	34.3 J		372 J	0.843 J	27.6 J	6720 J		1240 J	13.7 J		591 J	24800 J	
13B-0533-C3CS	1.5 - 2.5 ft	15400 J	2.14 J	28.4 J		390 J	0.833 J	42.5 J	6090 J		711 J	10.9 J		718 J	25600 J	
13B-0533-C3JS	8.5 - 9.35 ft	15500	4.28	22.3		481	0.821	5.34 J	5680		242	11.2 J		958 J	29200	
13B-0533-C3JT	8.5 - 9.35 ft	14700	4.15	24.5		495	0.809	5.81 J	5220		262	11.3 J		1250 J	27200	
13B-0534-C2BS	0.5 - 1.5 ft	11500	1.91 J	21.5		274	0.680 J	21.0 J	4470		308	8.63 J		390 J	19500	
13B-0534-C2CS	1.5 - 2.5 ft	11900	3.48 J	37.2		328	0.726 J	30.7 J	3880		391	8.73 J		539 J	20300	

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DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0534-C2IS	7.5 - 8.59 ft	14900	5.08 J	10.8		502	0.908 J	4.76 J	6160		155	10.8 J		639 J	25700	
13B-0534-C3AS	0 - 0.5 ft	13800 J	1.93 J	26.8 J		265 J	0.714 J	11.9 J	5950 J		559 J	10.5 J		365 J	25600 J	
13B-0534-C3AT	0 - 0.5 ft	13300 J	1.71 J	15.5 J		149 J	0.382 J	6.87 J	6030 J		323 J	5.84 J		209 J	26200 J	
13B-0535-C2BS	0.5 - 1.5 ft	3470	0.295 J	1.79	50.3		0.236	0.255 J	2470	16		3.660 J	34.7		9150	49.9 J
13B-0535-C2CS	1.5 - 2.45 ft	3680	0.043 J	1.17	18.7		0.175	0.040 J	1120	7.1		2.950 J	6.5		9250	4.8 J
13B-0535-C3AS	0 - 0.5 ft	6060	1.04 J	5.93	127		0.352	2.76 J	4660	63.3		5.830 J	119		15100	238 J
13B-0536-C1AS	0 - 0.5 ft	9850 J	1.64 J	6.16 J	164 J		0.437 J	2.49 J	5560 J	86.1 J		7.340 J	168 J		21900 J	207 J
13B-0536-C1BS	0.5 - 1.5 ft	5660	2.92	3.58 J	95.1		0.287	0.570 J	10400	37.7		5.300 J	78.9		13900	80.9
13B-0536-C1CS	1.5 - 2.5 ft	8940	6.66	7.45 J	220		0.437	2.54 J	7550	99.5		7.200 J	296		16800	344
13B-0536-C1FS	4.28 - 5.28 ft	14300	25.8	33.4 J	314		0.524	5.87 J	5650	587		8.590 J	693		21700	916
13B-0537-C3AS	0 - 0.5 ft	5630	0.559 J	3.61	73.5		0.320 J	0.944 J	4160 J	40.6		5.17 J	61.2		14500	83.0 J
13B-0538-C3AS	0 - 0.5 ft	18800 J	2.33 J	68.6 J	455 J		0.937 J	27.8 J	8260 J	1180 J		14.8 J	737 J		33800 J	631 J
13B-0538-C3BS	0.5 - 1.5 ft	20700 J	2.17 J	61.7 J	401 J		1.060 J	28.6 J	8000 J	1260 J		15.5 J	851 J		30800 J	723 J
13B-0538-C3CS	1.5 - 2.5 ft	15500	8.32	21.8	631		0.739	5.99 J	5010	235		9.740 J	668		22200	875
13B-0538-C3ES	3.5 - 4.8 ft	5400	1.74	8.48	83.6		0.252	0.810 J	1720	117		3.960 J	141		9420	164
13B-0539-C2AS	0 - 0.5 ft	6580	0.550 J	7.44	117		0.553 J	3.90 J	7730 J	92.1		6.500 J	142		17200	167 J
13B-0539-C2AT	0 - 0.5 ft	6740	1.19 J	8.26	121		0.346 J	4.52 J	4940 J	108		6.360 J	171		14500	216 J
13B-0539-C3BS	0.5 - 1.5 ft	16300	2.10 J	32.8	371		0.818	23.2 J	4540	336		10.6 J	692		24000	569 J
13B-0539-C3CS	1.5 - 2.5 ft	15300	2.50 J	25.7	451		0.752	9.54 J	4510	321		10.2 J	783		25200	759 J
13B-0539-C3HS	6.5 - 7.59 ft	4380	0.054 J	1.8	70.9		0.179	0.063 J	971	27.1		4.630 J	17		8580	35.8 J
13B-0540-C4AS	0 - 0.5 ft	13400 J	0.723 J	7.20 J	223 J		0.632 J	3.41 J	6900 J	99.5 J		10.6 J	164 J		28800 J	215 J
13B-0540-C4BS	0.5 - 1.5 ft	10700 J	0.550 J	8.35 J	178 J		0.485 J	4.57 J	4930 J	142 J		8.810 J	175 J		21600 J	241 J
13B-0540-C4CS	1.5 - 2.5 ft	14700 J	1.47 J	32.9 J	298 J		0.767 J	20.6 J	5740 J	901 J		13.2 J	503 J		21200 J	580 J
13B-0540-C4LS	10.3 - 11.25 ft	5030	0.311	2.83	48.1		0.232	0.206 J	3520	18.9		4.530 J	24.6		10100	30
13B-0541-C1AS	0 - 0.5 ft	9800 J	0.664 J	6.03 J	152 J		0.390 J	3.85 J	4660 J	110 J		6.590 J	137 J		18900 J	160 J
13B-0541-C1BS	0.5 - 1.5 ft	8050	2.01 J	9.49	241		0.395	8.13 J	3440	139		5.940 J	276		12600	249 J
13B-0541-C1CS	1.5 - 2.5 ft	8240	0.898 J	5.3	161		0.399	3.47 J	11200	74.5		7.430 J	144		15800	132 J
13B-0541-C1FS	4.5 - 5.67 ft	2900	0.024 U	2.57	55.3		0.154	0.022 J	556	6.9		3.020 J	2.4		8040	1.6 J
13B-0542-C2AS	0 - 0.5 ft	9020	2.17 J	19.8	445		0.413	3.28 J	4030	199		5.990 J	379		14800	461 J
13B-0542-C2BS	0.5 - 1.5 ft	6060	1.54 J	6.18	107		0.227	0.986 J	2940	188		3.730 J	305		10800	167 J
13B-0542-C2CS	1.5 - 2.5 ft	8760	3.00 J	7.95	139		0.342	2.53 J	3270	374		4.960 J	838		14000	204 J
13B-0542-C2HS	6.5 - 7.55 ft	3430	0.026 UJ	2.09	33.3		0.122	0.041 J	869	8.7		3.460 J	3.3		6860	1.4 J
13B-0543-G1AS	0 - 0.5 ft	8610 J	1.50 J	6.77 J	201 J		0.461 J	2.60 J	6800 J	71.9 J		7.570 J	119 J		21900 J	178 J
13B-0544-C1AS	0 - 0.5 ft	3340	0.127 J	1.09	55.6		0.155	0.408 J	2630	23.3		2.850 J	23.3		8780	47.5 J
13B-0544-C2BS	0.5 - 1.5 ft	9260	0.356 J	5.29	133		0.35	3.23 J	3240	88.1		5.390 J	125		15900	162 J

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DATA RESULTS SUMMARY
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Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0544-C2CS	1.5 - 2.5 ft	11600	0.479 J	5.84	172		0.443	3.98 J	4520	104		7.250 J	172		20400	236 J
13B-0544-C2ES	3 - 3.97 ft	5810	0.590 J	2.78	109		0.262	1.81 J	2280	53		5.200 J	112		11500	184 J
13B-0546-G2AS	0 - 0.5 ft	3180	0.256 J	1.53		48.6	0.181	0.374 J	1420 J		9.4	2.91 J		21.4 J	8290	
13B-0547-C2BS	0.5 - 1.5 ft	14100 J	1.48 J	21.7 J		373 J	0.838 J	28.2 J	5300 J		457 J	11.0 J		542 J	22200 J	
13B-0547-C2HS	6.5 - 7.15 ft	2740	0.159 J	1.43		27.9	0.17	0.085 J	5010 J		9.34	3.10 J		11.6 J	6950	
13B-0547-C3AS	0 - 0.5 ft	15300 J	1.51 J	35.8 J		424 J	0.890 J	26.4 J	8030 J		1270 J	14.7 J		609 J	28200 J	
13B-0547-C3CS	1.5 - 2.5 ft	12100	2.72 J	14.4		397	0.718	7.58 J	4620 J		196	9.43 J		647 J	20900	
13B-0548-C1AS	0 - 0.5 ft	6540	0.600 J	3.39	113		0.297 J	1.85 J	3450	42.0 J		6.12 J	71.5		14400	161 J
13B-0548-C1BS	0.5 - 1.5 ft	8250	0.562 J	3.99	124		0.373 J	1.76 J	3730	48.5 J		6.97 J	90.5		17500	136 J
13B-0548-C1BT	0.5 - 1.5 ft	7780	0.640 J	3.63	120		0.342 J	1.74 J	3780	46.6 J		6.93 J	87.5		17100	150 J
13B-0548-C1CS	1.5 - 2.5 ft	9910	2.38 J	5.55	148		0.466 J	3.81 J	8280	70.3 J		7.67 J	143		20100	207 J
13B-0548-C1IS	7.5 - 8.79 ft	4280	0.019 J	0.71	33.8		0.183 J	0.070 J	1080	9.4 J		3.06 J	3.4		5500	1.9 J
13B-0549-C3AS	0 - 0.5 ft	7570	0.970 J	4.59	124		0.402 J	1.91 J	4480	59.6 J		8.35 J	111		17400	151 J
13B-0549-C3BS	0.5 - 1.5 ft	5460	4.29 J	15.5	292		0.226 J	1.85 J	2500	69.9 J		3.67 J	154		10200	343 J
13B-0549-C3CS	1.5 - 2.65 ft	6430	8.36 J	13.4	143		0.295 J	2.34 J	2670	158 J		4.41 J	250		10100	302 J
13B-0550-C3AS	0 - 0.5 ft	8790 J	0.626 J	4.09 J		168 J	0.426 J	1.94 J	4420 J		58.8 J	8.35 J		104 J	20600 J	
13B-0550-C3BS	0.5 - 1.5 ft	5210	0.454	2.33		54.9	0.238	0.770 J	2050		30.9	4.93 J		41.4 J	12700	
13B-0550-C3CS	1.5 - 2.5 ft	6930	0.279	7.36		49.1	0.29	0.150 J	1220		182	5.64 J		58.2 J	10900	
13B-0550-C3FS	4.5 - 5.37 ft	4360	0.048 U	1.12		49.3	0.224	0.054 J	1190		10.1	3.95 J		3.99 J	6420	
13B-0551-G2AS	0 - 0.5 ft	4700	0.242 J	2.27		74	0.249	1.02 J	5030 J		26.6	5.78 J		50.5 J	10800	
13B-0552-C1AS	0 - 0.5 ft	12500 J	0.932 J	7.67 J	218 J		0.587 J	3.97 J	6020 J	133 J		9.14 J	179 J		25000 J	224 J
13B-0552-C1BS	0.5 - 1.5 ft	2780	0.257 J	0.91	32.3		0.289 J	0.417 J	1220 J	13.7		3.05 J	21		7130	35.8 J
13B-0552-C1CS	1.5 - 2.2 ft	2030	0.129 J	0.5	29.4		0.105 J	0.041 J	3600 J	9.1		1.77 J	10.1		6230	12.3 J
13B-0552-C1CT	1.5 - 2.2 ft	1990	0.120 J	0.55	27.9		0.111 J	0.051 J	4200 J	8.1		1.89 J	9.2		6010	12.1 J
13B-0553-C2AS	0 - 0.5 ft	5480	0.318	2.57	95.9		0.251	1.05 J	2560	34.4		5.340 J	75.5		11800	123
13B-0553-C2BS	0.5 - 1.5 ft	9010	0.731	4.58	185		0.418	1.16 J	7000	44.8		7.170 J	129		16300	240
13B-0553-C2CS	1.5 - 2.5 ft	11900	1.45	7.99	282		0.573	2.75 J	8670	128		9.010 J	325		19600	397
13B-0553-C2DS	2.5 - 3.5 ft	14300	7.95	21.9	578		0.644	5.89 J	6380	219		9.250 J	607		20500	810
13B-0554-C1BS	0.5 - 1.5 ft	14100	0.804 J	6.49	190		0.561	2.95 J	5050	109 J		10.2 J	172		25200	173 J
13B-0554-C1CS	1.5 - 2.5 ft	9360	0.614 J	5.15	139		0.41	4.44 J	2810	124 J		8.46 J	142		16500	191 J
13B-0554-C1ES	3.5 - 4.7 ft	9040	0.161 J	2.47	65		0.404	0.069 J	1680	18.3 J		6.55 J	18.8		15100	31.8 J
13B-0554-C4AS	0 - 0.5 ft	8820	0.685 J	3.69	119		0.387	2.25 J	3290	50.9 J		6.91 J	102		16200	152 J
13B-0555-C1AS	0 - 0.5 ft	16900 J	2.77 J	31.2 J		468 J	0.855 J	35.4 J	7380 J		394 J	14.1 J		730 J	27500 J	
13B-0555-C1BS	0.5 - 1.22 ft	13600	1.72	15.5		328	0.697	20.7 J	5250		282	11.0 J		435 J	24600 J	
13B-0555-C2CS	1.5 - 2 ft	19200 J	2.71 J	40.9 J		539 J	1.06 J	43.6 J	7880 J		612 J	15.8 J		847 J	27700 J	

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0555-C2DS	2 - 3 ft	15100 J	2.97 J	19.5 J		378 J	0.753 J	25.2 J	5530 J		475 J	10.7 J		542 J	25400 J	
13B-0556-C1BS	0.5 - 1.5 ft	7770	0.494 J	3.12		139	0.373 J	2.53 J	3650		49.1	7.07 J		95.8 J	15100	
13B-0556-C2CS	1.5 - 2.38 ft	7520	0.614 J	2.81		131	0.344 J	2.43 J	5750		51.3	6.50 J		93.1 J	13200	
13B-0556-C3AS	0 - 0.5 ft	8740 J	0.666 J	5.36 J		144 J	0.414 J	2.70 J	4880 J		67.8 J	6.93 J		113 J	17000 J	
13B-0557-C2AS	0 - 0.5 ft	14400 J	0.961 J	5.58 J		219 J	0.628 J	3.52 J	5410 J		58.6 J	11.1 J		147 J	23600 J	
13B-0557-C2BS	0.5 - 1.5 ft	18600 J	0.949 J	6.11 J		244 J	0.674 J	3.92 J	6540 J		62.4 J	11.5 J		169 J	26400 J	
13B-0557-C2CS	1.5 - 2.5 ft	13000	1.18 J	7.18		250 J	0.622	6.59 J	5340		137 J	11.7 J		210 J	21700	
13B-0557-C2ES	3.5 - 4.5 ft	10200	2.82 J	7.59		236 J	0.44	6.40 J	4520		117 J	7.79 J		177 J	15900	
13B-0558-C2AS	0 - 0.5 ft	6620 J	0.564 J	3.51 J		137 J	0.305 J	2.10 J	3730 J		44.3 J	6.42 J		81.4 J	14600 J	
13B-0558-C2BS	0.5 - 1.5 ft	6780	2.3	3.56		175	0.392 J	1.59 J	3480		38.2	6.54 J		116 J	12600	
13B-0558-C2CS	1.5 - 2.5 ft	7680	3.22	4.11		180	0.422 J	1.09 J	6470		44.8	6.53 J		124 J	13600	
13B-0558-C2FS	4.5 - 5.75 ft	2300	0.048 U	0.69		42.9	0.172 J	0.038 J	1360		4.37	3.42 J		12.0 J	6140	
13B-0559-C2AS	0 - 0.5 ft	3850	0.252	1.29		57.4	0.175	0.625 J	1680		20.6 J	4.60 J		40.4 J	9600 J	
13B-0559-C2BS	0.5 - 1.5 ft	10600	0.57	4.92		199	0.506	3.39 J	4360		74.5 J	9.20 J		151 J	20400 J	
13B-0559-C2CS	1.5 - 2.5 ft	17100 J	1.09 J	8.47 J		315 J	0.704 J	7.86 J	6350 J		183 J	13.9 J		266 J	25400 J	
13B-0559-C3GS	5.5 - 6 ft	6920	0.883	6.01		148	0.351	4.21 J	3710		109 J	7.16 J		140 J	13400 J	
13B-0560-C1AS	0 - 0.5 ft	3950	0.268 J	1.57		93.2	0.278	0.589 J	1670 J		18.7 J	3.85 J		33.8 J	9540	
13B-0560-C1GS	5.14 - 5.86 ft	9460	0.099 J	2.04		41.1	0.419	0.087 J	11700 J		14.0 J	9.01 J		19.0 J	19500	
13B-0560-C3BS	0.5 - 1.5 ft	7870	0.642 J	3.63		158	0.374	2.29 J	3430 J		64.4 J	6.57 J		101 J	16700	
13B-0560-C3CS	1.5 - 2.5 ft	6650 J	0.932 J	3.76 J		187 J	0.357 J	2.22 J	3580 J		75.4 J	7.35 J		107 J	15300 J	
13B-0561-C1AS	0 - 0.5 ft	11900	1.59	10.2		225	0.472	12.1 J	5390		166 J	8.33 J		257 J	18700	
13B-0561-C1BS	0.5 - 1.5 ft	12300	1.37	8.14		240	0.516	18.7 J	4170		115 J	8.10 J		237 J	17100	
13B-0561-C1CS	1.5 - 2.5 ft	5790	0.812	4.19		135	0.263	7.52 J	5720		52.1 J	4.49 J		108 J	12100	
13B-0561-C1GS	5.5 - 6.5 ft	7030	0.069	2.59		45	0.263	0.093 J	1310		9.13 J	6.10 J		13.0 J	14400	
13B-0562-G2AS	0 - 0.5 ft	4410	0.511 J	1.91		97.7	0.196	0.613 J	2430 J		18.4 J	4.24 J		49.3 J	11500	
13B-0563-C1AS	0 - 0.5 ft	3530	0.215 J	1.69		54.2	0.179	0.531 J	1580 J		15.1	4.62 J		47.4 J	10200	
13B-0563-C1AT	0 - 0.5 ft	3190	0.206 J	1.36		59.5	0.215	0.425 J	1260 J		14.5	4.13 J		32.8 J	7540	
13B-0563-C2BS	0.5 - 1.1 ft	3430	0.091 J	1.15		28.6	0.15	0.289 J	1280 J		14.5	3.66 J		88.3 J	8670	
13B-0563-C2CS	1.1 - 2.5 ft	24200 J	1.30 J	22.8 J		434 J	0.928 J	24.7 J	6430 J		427 J	14.6 J		554 J	25500 J	
13B-0563-C2IS	7.5 - 8.28 ft	4400	0.627 J	4.98		84.8	0.253	4.34 J	1490 J		30.9	4.45 J		84.3 J	8460	
13B-0564-G2AS	0 - 0.5 ft	15800 J	0.785 J	9.79 J		268 J	0.805 J	4.88 J	7790 J		180 J	12.0 J		229 J	30000 J	
13B-0565-G1AS	0 - 0.5 ft	5990 J	0.499 J	2.76 J		101 J	0.344 J	1.07 J	7420 J		45.2 J	6.44 J		121 J	17000 J	
13B-0566-G3AS	0 - 0.5 ft	5630	0.315 J	2.34		56.6 J	0.264	0.546 J	6440		22.1 J	4.57 J		49.3 J	14500	
13B-0567-G2AS	0 - 0.5 ft	15000 J	0.857 J	8.41 J		200 J	0.749 J	3.78 J	6460 J		130 J	10.4 J		180 J	29600 J	
13B-0568-G2AS	0 - 0.5 ft	12700 J	1.45 J	13.9 J		284 J	0.742 J	24.3 J	6640 J		401 J	11.1 J		388 J	21900 J	

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6010	SW6020	SW6020	SW6010	SW6020	SW6020	SW6020	SW6010	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6010
Analyte		Aluminum	Antimony	Arsenic	Barium	Barium	Beryllium	Cadmium	Calcium	Chromium	Chromium	Cobalt	Copper	Copper	Iron	Lead
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1520	0.019	0.41	15.4	15.4	0.086	0.02	543	2.55	2.55	1.45	1.75	1.75	5500	1.31
Maximum Detect		24200	25.8	68.6	631	631	1.18	54.4	17900	1530	1530	18.3	1250	1250	35400	1460
Mean of Detects		8690	1.60	9.10	165	165	0.436	5.95	4310	170	170	7.21	205	205	16700	269
St. Dev. of Detects		4890	2.71	11.4	129	129	0.243	9.77	2540	271	271	3.49	232	232	7120	271
CV of Detects		0.562	1.69	1.25	0.780	0.780	0.557	1.64	0.589	1.59	1.59	0.484	1.13	1.13	0.426	1.01
% Detected		100	94.0	100	100	100	100	100	100	100	100	100	100	100	100	100
Sample ID	Depth Interval															
13B-0571-C3AS	0 - 0.5 ft	8150 J	0.472 J	3.42 J		91.4 J	0.341 J	1.18 J	2850 J		54.1 J	6.62 J		67.6 J	15500 J	
13B-0571-C3CS	1.5 - 2.5 ft	4330	0.108	0.94		18.3	0.145	0.062 J	543		12.4 J	3.45 J		9.02 J	9640	
13B-0571-C3MS	11 - 12 ft	4380	0.021 J	1.39		24.6	0.127	0.030 J	1240		4.22 J	3.09 J		6.64 J	12500	
13B-0571-C4BS	0.5 - 1.5 ft	9270 J	0.530 J	2.48 J		59.7 J	0.367 J	2.23 J	2780 J		54.9 J	6.36 J		91.6 J	13900 J	
13B-0572-C1BS	0.5 - 1.5 ft	8810	13.8	18.7		273	0.361	2.97 J	3380		173 J	5.73 J		323 J	15700	
13B-0572-C1CS	1.5 - 2.27 ft	6350	2.34	7.78		72.9	0.304	1.92 J	5290		70.6 J	4.99 J		99.3 J	13000	
13B-0573-C2AS	0 - 0.5 ft	4040	0.465	1.75		122	0.237	0.833 J	2860		29.6 J	4.57 J		44.6 J	14300	
13B-0573-C2BS	0.5 - 1.5 ft	8980	0.36	2		72.5	0.183	0.760 J	4530		18.8 J	4.80 J		40.2 J	13400	
13B-0573-C2CS	1.5 - 2.5 ft	4910	0.373	2.94		85	0.229	1.99 J	10300		46.1 J	4.71 J		69.1 J	11600	
13B-0573-C2DS	2.5 - 3.75 ft	2070	0.028	0.41		15.4	0.109	0.029 J	17900		2.55 J	2.30 J		6.92 J	6220	
13B-0574-C1CS	1.5 - 2.5 ft	10600	3.34 J	15.1		239 J	0.509	10.4 J	5380		290 J	12.3 J		321 J	18900	
13B-0574-C2BS	0.5 - 1.5 ft	3910	0.737 J	3.66		91.0 J	0.19	2.52 J	4910		39.8 J	4.47 J		61.1 J	9560	
13B-0574-C2HS	6.4 - 7.4 ft	6330	0.641 J	6.42		122 J	0.257	6.27 J	2560		151 J	5.12 J		123 J	10800	
13B-0574-C3AS	0 - 0.5 ft	4510	0.625 J	3.34		182 J	0.213	2.29 J	5940		53.5 J	6.10 J		65.6 J	10900	
13B-0575-C4AS	0 - 0.5 ft	11700 J	1.82 J	24.9 J	212 J		0.581 J	13.0 J	5080 J	538 J		9.35 J	354 J		21500 J	331 J
13B-0575-C4BS	0.5 - 1.5 ft	10700	0.768 J	8.77	136		0.401 J	8.07 J	2500 J	302		5.15 J	188		14000	207 J
13B-0575-C4CS	1.5 - 2.5 ft	8320	0.026 U	0.56	50.3		0.418 J	0.042 J	906 J	16		3.26 J	5.2		5840	3.0 J
13B-0575-C4FS	4.3 - 5.44 ft	3950	0.027 U	0.76	28.2		0.175 J	0.040 J	738 J	9.9		3.71 J	3.2		5600	1.7 J
13B-0578-C5AS	0 - 0.5 ft	4540	0.264	3.25	40.8		0.225	0.342 J	1250	15.5		3.59	25.5		10200	50.1 J
13B-0578-C5GS	5.25 - 6.25 ft	4930	1.31	2.38	54.3		0.204	0.173 J	3140	24.3		3.29	35.7		13500	47.2 J
13B-0578-C6BS	0.5 - 1.5 ft	7120	1.7	3.77	105		0.347	2.05 J	5780	39.3		5.02	96.9		16200	121 J
13B-0578-C6CS	1.5 - 2.5 ft	3530	1.34 J	2.07	38.9 J		0.193	0.250 J	5860	21.4		3.11	28.8 J		9530	42.5 J
13B-0578-C6CT	1.5 - 2.5 ft	4310	3.19 J	2.17	56.6 J		0.212	0.261 J	7210	24.7		3.34	44.9 J		11300	51.8 J

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0501-C1AS	0 - 0.5 ft	101	2120	111 J	14.2 J	401	0.2 J	0.734 J	1300	0.061	185	9.42	124 J
13B-0501-C1BS	0.5 - 1.5 ft	199	1640	102 J	17.3 J	359	0.1 J	0.287 J	1040	0.073	164	8.61	121 J
13B-0501-C1CS	1.5 - 2.5 ft	166	1150	107 J	27.1 J	268	0.3 J	0.568 J	647	0.112	153	7.68	295 J
13B-0501-C1DS	2.5 - 3.07 ft	229	1430	122 J	54.1 J	311	0.4 J	0.958 J	164	0.299	153	14.1	321 J
13B-0502-C2AS	0 - 0.5 ft	59.2	1600	81.8 J	10.2 J	338	0.5 U	0.167 J	675	0.064	148	8.93	85.8 J
13B-0502-C2BS	0.5 - 1.5 ft	256	1880	148 J	22.4 J	370	0.2 J	1.39 J	750	0.105	171	11.6	250 J
13B-0502-C2CS	1.5 - 2.45 ft	695	3250	389 J	48.1 J	634	0.8	3.31 J	825	0.205	267	35.2	579 J
13B-0503-C1BS	0.5 - 1.5 ft	2.97	1670	92.3 J	6.77 J	372	0.5 U	0.064 J	358	0.031	148	10.4	22.7 J
13B-0503-C1CS	1.5 - 2.5 ft	2.34	1640	88.6 J	6.35 J	375	0.5 U	0.010 J	327	0.021	122	10.9	24.3 J
13B-0503-C2AS	0 - 0.5 ft	9.84	1460	80.7 J	6.54 J	337	0.5 U	0.034 J	313	0.035	136	8.22	29.4 J
13B-0504-C4AS	0 - 0.5 ft	888 J	5680 J	420 J	109 J	1430 J	2.3 J	18.5 J	2090 J	0.414 J	388 J	73.5 J	1340 J
13B-0504-C4BS	0.5 - 1.5 ft	1030 J	4850 J	383 J	174 J	1190 J	3.7 J	23.0 J	1210 J	0.489 J	342 J	76.8 J	1650 J
13B-0504-C4CS	1.5 - 2.5 ft	349 J	2880 J	219	61.6 J	691	1.2	9.21 J	466	0.195	221	30.1	726
13B-0504-C4KS	9.5 - 10.25 ft	296 J	3220 J	258 J	46.3 J	615 J	0.4 J	1.34 J	162 J	0.377 J	169 J	14.1 J	377 J
13B-0505-C1BS	0.5 - 1.5 ft	116 J	1580	118	15.8 J	322	0.2 J	0.668 J	471	0.084	176	9.11	154
13B-0505-C1CS	1.5 - 2.5 ft	413 J	2480	159	39.8 J	532	0.5 J	3.33 J	213	0.168	248	21	420
13B-0505-C1FS	4.5 - 5.2 ft	29.6 J	1440	232	9.84 J	244	0.5 U	0.082 J	55	0.057	105	6.86	36.5
13B-0505-C2AS	0 - 0.5 ft	268 J	4980 J	370 J	29.8 J	1180 J	0.7 J	1.29 J	3310 J	0.152 J	306 J	24.9 J	357 J
13B-0506-C2BS	0.5 - 1.5 ft	95.0 J	1450	98.5	15.4 J	319	0.2 J	0.357 J	506	0.059	124	14.1	152
13B-0506-C2CS	1.5 - 2.5 ft	6.64 J	2280	97.1	11.5 J	371	0.5 U	0.039 J	201	0.024	164	11.7	33.3
13B-0506-C3AS	0 - 0.5 ft	204 J	3970 J	319 J	37.5 J	986 J	0.4 J	1.50 J	2450 J	0.119 J	300 J	21.0 J	326 J
13B-0507-C2AS	0 - 0.5 ft	25.3	4540	344 J	18.5 J	1410	0.1 J	0.099 J	1360	0.09	192	26.2	62.9 J
13B-0507-C2BS	0.5 - 1.5 ft	4.88	2280	138 J	9.86 J	623	0.5 U	0.026 J	289	0.042	172	15.5	27.7 J
13B-0507-C2CS	1.5 - 2.5 ft	3.19	2120	109 J	8.11 J	523	0.5 U	0.015 J	237	0.032	185	11.9	27.6 J
13B-0507-C2DS	2.5 - 3.5 ft	4.13	2690	149 J	9.84 J	746	0.6 U	0.023 J	373	0.043	204	15.8	33.8 J
13B-0508-G3AS	0 - 0.5 ft	54.9	1590	168	13.6 J	338	1.1 U	0.097 J	405	0.056	129	11.5	64.6
13B-0509-C1AS	0 - 0.5 ft		4070	196 J	47.8 J	885	1.1	3.91 J	912	0.173	433	40.3	510 J
13B-0509-C1BS	0.5 - 1.5 ft		4130	244 J	24.7 J	875	0.7	0.700 J	381	0.132	236	13.3	217 J
13B-0509-C1CS	1.5 - 2.5 ft		2860	269 J	94.2 J	639	1.4	1.87 J	641	0.686	271	18.8	796 J
13B-0509-C1ES	3.17 - 4.17 ft		3060	173 J	95.9 J	701	1.3	3.88 J	745	0.842	316	16.2	586 J
13B-0510-C3AS	0 - 0.5 ft	431	2010	264	25.5 J	558	0.5 J	1.43 J	379	0.096	188	23.8	256
13B-0510-C3BS	0.5 - 1.9 ft	38	1880	119	7.93 J	490	0.8 U	0.122 J	133	0.025	148	7.98	45
13B-0511-C1BS	0.5 - 1.5 ft	320 J	6740 J	682 J	38.7 J	1620 J	0.8 J	5.72 J	577 J	0.241 J	461 J	35.0 J	612 J
13B-0511-C3AS	0 - 0.5 ft	228 J	6230 J	741 J	32.1 J	1570 J	1.1 J	2.96 J	1240 J	0.182 J	439 J	29.7 J	466 J
13B-0511-C3CS	1.5 - 2.5 ft	368 J	7500	555 J	39.5 J	1050 J	0.6 J	4.59 J	388	0.184	424	37.2	506

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0511-C3HS	5.95 - 6.95 ft	325 J	2560	288 J	32.5 J	554 J	0.7	3.91 J	197	0.164	227	31.1	414
13B-0512-G1AS	0 - 0.5 ft	160 J	4770 J	487 J	23.8 J	1280 J	0.5 J	1.56 J	542 J	0.143 J	313 J	22.5 J	320 J
13B-0513-G1AS	0 - 0.5 ft	311 J	5770 J	633 J	45.4 J	1470 J	0.8 J	4.88 J	819 J	0.213 J	401 J	41.3 J	670 J
13B-0514-G1AS	0 - 0.5 ft	209 J	4620 J	622 J	25.7 J	1050 J	0.5 J	1.87 J	550 J	0.139 J	354 J	26.4 J	422 J
13B-0515-C1BS	0.5 - 1.71 ft	1.96 J	2170	127 J	4.14 J	331 J	0.1 J	0.010 J	227	0.010 U	103	9.38	30
13B-0515-C2AS	0 - 0.5 ft	556 J	4170	335 J	62.2 J	946 J	0.9	10.2 J	496	0.24	314	56.7	856
13B-0515-C2CS	1.5 - 2.19 ft	1.31 J	1570	93.7 J	3.84 J	488 J	0.5 U	0.010 J	57.6	0.012	128	8.49	25.6
13B-0516-C2AS	0 - 0.5 ft		3730 J	679 J	21.1 J	854 J	0.6 J	2.17 J	409 J	0.115 J	340 J	18.8 J	357 J
13B-0516-C2BS	0.5 - 1.5 ft		4250 J	715 J	32.5 J	911 J	0.9 J	5.89 J	463 J	0.177 J	361 J	25.7 J	531 J
13B-0516-C2CS	1.5 - 2.5 ft		4330 J	562 J	106 J	970 J	1.3 J	9.69 J	687 J	0.261 J	411 J	37.8 J	1210 J
13B-0516-C2LS	10.4 - 11.4 ft		3170	222	49.3 J	633	0.9	6.06 J	254	0.196	217	34.7	518
13B-0517-G2AS	0 - 0.5 ft		1210 J	158	4.33 J	312	0.8 U	0.104	564	0.024	136	5.63	42.1
13B-0518-G1AS	0 - 0.5 ft		1900	184	11.1 J	424	0.2 J	0.802 J	564	0.056	190	8.75	144
13B-0518-G1AT	0 - 0.5 ft		1920	196	12.1 J	438	0.3 J	0.389 J	566	0.064	189	10.1	150
13B-0519-C2AS	0 - 0.5 ft		4040 J	728 J	23.4 J	1000 J	0.7 J	1.78 J	614 J	0.149 J	381 J	22.0 J	355 J
13B-0519-C2BS	0.5 - 1.5 ft		2660 J	395	18.5 J	558	0.4 J	2.03	255	0.109	270	15.2	280
13B-0519-C2CS	1.5 - 2.5 ft		4350 J	527	57.6 J	1030	1.4	9.05	501	0.291	410	51.3	852
13B-0519-C2RS	16.1 - 17.1 ft		1110 J	133	3.03 J	287	0.9 U	0.009 J	45.9	0.018 U	77.3	2.4	8.6
13B-0520-G1AS	0 - 0.5 ft	198 J	4450 J	865 J	22.5 J	950 J	0.6 J	1.88 J	666 J	0.141 J	360 J	22.6 J	421 J
13B-0521-C2BS	0.5 - 1.5 ft		1210 J	68.4	9.71 J	241	0.1 J	0.588 J	367	0.043	193	6.53 J	96.1
13B-0521-C2HS	6.5 - 7.63 ft		5260 J	292 J	111 J	1290 J	2.0 J	14.9 J	1100 J	0.420 J	413 J	101 J	1520 J
13B-0521-C3AS	0 - 0.5 ft		1280 J	85.3	8.22 J	265	0.1 J	0.203 J	316	0.041	169	5.53 J	115
13B-0521-C3CS	1.5 - 2.5 ft		1570 J	172	10.2 J	303	0.1 J	0.433 J	203	0.056	189	7.14 J	160
13B-0522-G1AS	0 - 0.5 ft	215 J	5230 J	794 J	29.8 J	1090 J	0.7 J	2.41 J	542 J	0.176 J	370 J	28.1 J	435 J
13B-0522-G1AT	0 - 0.5 ft	227 J	5850 J	830 J	31.4 J	1360 J	0.8 J	2.70 J	659 J	0.178 J	415 J	29.9 J	460 J
13B-0523-G2AS	0 - 0.5 ft		7980 J	756 J	38.3 J	2480 J	1.4 J	2.70 J	1530 J	0.231 J	566 J	35.7 J	489 J
13B-0524-C1BS	0.5 - 1.5 ft		5000 J	622 J	31.0 J	1120 J	0.9 J	3.51 J	383 J	0.179 J	396 J	26.1 J	447 J
13B-0524-C1CS	1.5 - 2.5 ft		4240 J	653 J	35.5 J	972 J	0.9 J	4.24 J	346 J	0.177 J	369 J	29.6 J	482 J
13B-0524-C1GS	5.39 - 6.39 ft		4560 J	334	69.8 J	928	0.9	5.61 J	433	0.208	513	35.3 J	918
13B-0524-G1AS	0 - 0.5 ft		3900 J	521 J	20.1 J	942 J	0.6 J	1.61 J	660 J	0.117 J	352 J	19.1 J	328 J
13B-0525-C1AS	0 - 0.5 ft		4480 J	742 J	25.8 J	1070 J	0.9 J	2.48 J	536 J	0.146 J	364 J	22.5 J	414 J
13B-0525-C1BS	0.5 - 1.5 ft		4950 J	730 J	29.0 J	1110 J	0.9 J	3.92 J	442 J	0.171 J	395 J	24.3 J	496 J
13B-0525-C1CS	1.5 - 2.5 ft		4870 J	733 J	33.3 J	1090 J	0.9 J	5.74 J	506 J	0.186 J	399 J	27.2 J	561 J
13B-0525-C1HS	6.42 - 7.42 ft		3450	516	44.1 J	707	0.7	5.23 J	412	0.172	332	27.5	628
13B-0526-C1AS	0 - 0.5 ft	478 J	3250 J	384 J	63.9 J	851 J	1.0 J	11.1 J	463 J	0.239 J	335 J	51.3 J	874 J

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0526-C1BS	0.5 - 1.5 ft	894 J	6320 J	460 J	101 J	1320 J	1.4 J	17.4 J	600 J	0.402 J	535 J	99.7 J	1610 J
13B-0526-C1CS	1.5 - 2.5 ft	804 J	4910 J	354 J	92.8 J	1160 J	1.7 J	15.9 J	511 J	0.412 J	412 J	83.7 J	1400 J
13B-0526-C1CT	1.5 - 2.5 ft	881 J	5620 J	395 J	93.2 J	1260 J	1.3 J	17.2 J	536 J	0.375 J	484 J	98.8 J	1500 J
13B-0526-C1HS	6.5 - 7.62 ft	86.8 J	2140	153 J	11.1 J	364 J	0.2 J	1.15 J	88.4	0.055	124	10.6	159
13B-0527-C1AS	0 - 0.5 ft	7.65 J	2750	188 J	11.9 J	507 J	0.5 U	0.112 J	188	0.036	330	18.5	55
13B-0527-C2BS	0.5 - 1.5 ft	6.39 J	2600	163 J	11.5 J	349 J	0.3 J	0.061 J	127	0.035	298	24.2	41.6
13B-0527-C3CS	1.5 - 2.31 ft	3.25 J	2300	122 J	8.74 J	383 J	2	0.062 J	91.8	0.048	267	48.3	33.7
13B-0528-C3AS	0 - 0.5 ft		6210 J	869 J	34.5 J	1660 J	1.1 J	3.82 J	828 J	0.190 J	465 J	30.6 J	575 J
13B-0528-C3BS	0.5 - 1.5 ft		5440 J	371 J	124 J	1390 J	2.3 J	17.2 J	637 J	0.444 J	449 J	108 J	1870 J
13B-0528-C3CS	1.5 - 2.5 ft		4440 J	308 J	144 J	1060 J	2.4 J	20.6 J	620 J	0.367 J	409 J	72.5 J	1460 J
13B-0528-C3LS	10.5 - 11.54 ft		3860	404	68.5 J	772	0.8	2.50 J	228	0.613	294	27.1	841
13B-0529-C2AS	0 - 0.5 ft	164	1550	153	100 J	346	0.7 J	0.246 J	413	0.049	137	7.93	353
13B-0529-C2BS	0.5 - 1.5 ft	110	1400	103	81.8 J	289	0.6 J	0.205 J	203	0.048	114	9.02	448
13B-0529-C2CS	1.5 - 2.5 ft	45.7	1380	80.7	6.32 J	282	1.0 U	0.087 J	169	0.055	157	8.03	135
13B-0529-C2ES	3.5 - 4.2 ft	13.1	1710	77.4	4.19 J	282	0.8 U	0.015 J	199	0.031	189	6.8	48
13B-0530-C3AS	0 - 0.5 ft	243 J	6770 J	961 J	35.0 J	1720 J	0.5 J	2.79 J	550 J	0.202 J	450 J	33.8 J	531 J
13B-0530-C3BS	0.5 - 1.5 ft	352	1780	219	27.9 J	347	0.2 J	1.42 J	116	0.066	178	12.2	241
13B-0530-C3CS	1.5 - 1.93 ft	57.3	1270	78.5	13.9 J	221	0.8 U	0.197 J	60.1 J	0.059	120	7.23	135
13B-0531-C1AS	0 - 0.5 ft		1720	167 J	13.9 J	324	0.2 J	0.226 J	285	0.041	159	8.14	359 J
13B-0531-C1AT	0 - 0.5 ft		1620	139 J	27.8 J	271	0.4 J	0.262 J	275	0.042	141	7.38	332 J
13B-0531-C1BS	0.5 - 1.5 ft		2150	106 J	33.4 J	370	0.5	0.092 J	208	0.048	210	7.47	199 J
13B-0531-C1CS	1.5 - 2.3 ft		1430	66.3 J	5.11 J	245	0.1 J	0.047 J	148	0.055	85.5	7.2	128 J
13B-0531-C2ES	3.5 - 4.42 ft		1220	79.0 J	4.78 J	252	0.2 J	0.036 J	68.3	0.033	99.8	8.71	43.5 J
13B-0532-C1AS	0 - 0.5 ft		1490 J	150	28.7 J	297	0.2 J	0.545 J	152	0.046	161	5.72 J	361
13B-0532-C1BS	0.5 - 1.5 ft		1520 J	110	68.6 J	294	0.3 J	0.183 J	106	0.053	134	4.32 J	298
13B-0532-C1CS	1.5 - 2.5 ft		3040 J	212	11.3 J	506	0.2 J	0.251 J	87.7	0.082	164	9.85 J	131
13B-0532-C1DS	2.5 - 3.73 ft		1240 J	60	4.59 J	218	0.5 U	0.019 J	38	0.038	95.4	6.23 J	45.1
13B-0533-C1AS	0 - 0.5 ft	319 J	6290 J	1010 J	45.4 J	1550 J	0.9 J	3.96 J	521 J	0.222 J	442 J	41.4 J	652 J
13B-0533-C1AT	0 - 0.5 ft	330 J	5670 J	934 J	47.5 J	1410 J	0.7 J	4.19 J	462 J	0.234 J	405 J	44.2 J	643 J
13B-0533-C3BS	0.5 - 1.5 ft	814 J	4510 J	366 J	99.0 J	1150 J	1.2 J	14.1 J	522 J	0.387 J	410 J	96.5 J	1520 J
13B-0533-C3CS	1.5 - 2.5 ft	839 J	4200 J	383 J	105 J	943 J	1.7 J	17.8 J	570 J	0.357 J	421 J	74.8 J	1340 J
13B-0533-C3JS	8.5 - 9.35 ft	1360	4170	903	74.0 J	1100	1.6	3.87 J	444	0.487	389	34.4	1430
13B-0533-C3JT	8.5 - 9.35 ft	1460	3870	910	86.0 J	978	1.7	4.36 J	421	0.499	359	37.1	1500
13B-0534-C2BS	0.5 - 1.5 ft	561	3410	258	58.1 J	715	1.4	9.91 J	391	0.276	337	51.7	849
13B-0534-C2CS	1.5 - 2.5 ft	557	3080	267	84.1 J	708	1.8	15.6 J	405	0.452	334	32.1	1810

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0534-C2IS	7.5 - 8.59 ft	895	4410	953	45.6 J	939	1.1 J	3.29 J	317	0.389	365	31.8	1700
13B-0534-C3AS	0 - 0.5 ft	417 J	5130 J	581 J	58.8 J	1340 J	1.2 J	7.50 J	801 J	0.299 J	382 J	55.1 J	970 J
13B-0534-C3AT	0 - 0.5 ft	236 J	4880 J	602 J	33.1 J	1270 J	0.7 J	7.27 J	809 J	0.165 J	387 J	30.1 J	976 J
13B-0535-C2BS	0.5 - 1.5 ft		1640	107	12.5 J	276	0.1 J	0.124 J	134	0.04	154	7.39	101 J
13B-0535-C2CS	1.5 - 2.45 ft		1570	76.2	4.54 J	291	0.5 U	0.022 J	72.5	0.015	98.2	7.61	27.0 J
13B-0535-C3AS	0 - 0.5 ft		2800	271	21.6 J	558	0.6 J	1.22 J	416	0.102	197	17.1	333 J
13B-0536-C1AS	0 - 0.5 ft		4590 J	641 J	25.2 J	1010 J	0.9 J	1.89 J	504 J	0.152 J	381 J	19.3 J	422 J
13B-0536-C1BS	0.5 - 1.5 ft		3610	303	15.0 J	653	0.4 J	0.400 J	154	0.1	201	10.8	192
13B-0536-C1CS	1.5 - 2.5 ft		3710	326	35.0 J	770	0.8	1.23 J	233	0.367	256	17.1	716
13B-0536-C1FS	4.28 - 5.28 ft		4680	268	32.7 J	892	1.5	4.12 J	438	0.621	383	27	1160
13B-0537-C3AS	0 - 0.5 ft		2680	311	14.3 J	563	0.5 J	0.559 J	318 J	0.083	202	15.8	175
13B-0538-C3AS	0 - 0.5 ft		6060 J	499 J	113 J	1750 J	2.4 J	13.0 J	682 J	0.576 J	450 J	87.2 J	1930 J
13B-0538-C3BS	0.5 - 1.5 ft		6450 J	418 J	113 J	1760 J	2.7 J	12.8 J	654 J	0.579 J	472 J	92.4 J	1950 J
13B-0538-C3CS	1.5 - 2.5 ft		3390	335	56.7 J	785	1.7	1.34 J	326	1.41	384	31.8	1590
13B-0538-C3ES	3.5 - 4.8 ft		1770	78.9	8.86 J	345	0.4 J	0.540 J	142	0.108	183	11	251
13B-0539-C2AS	0 - 0.5 ft		6200 J	274	23.2 J	455	0.6 J	1.86 J	521	0.093	299	17.7	291 J
13B-0539-C2AT	0 - 0.5 ft		2930 J	261	24.6 J	534	0.6 J	2.17 J	394	0.106	220	22	529 J
13B-0539-C3BS	0.5 - 1.5 ft		3770	297	74.7 J	808	2.4	9.73 J	483	0.454	327	42.6	1890 J
13B-0539-C3CS	1.5 - 2.5 ft		3940	489	76.8 J	877	2.3	3.52 J	428	0.41	297	36.6	1620 J
13B-0539-C3HS	6.5 - 7.59 ft		1450	88.7	6.83 J	317	0.4 J	0.063 J	60.1	0.023	119	9.57	39.5 J
13B-0540-C4AS	0 - 0.5 ft		5000 J	1270 J	30.0 J	1170 J	1.3 J	1.92 J	611 J	0.163 J	430 J	32.0 J	504 J
13B-0540-C4BS	0.5 - 1.5 ft		3880 J	715 J	30.2 J	887 J	0.8 J	2.58 J	329 J	0.167 J	346 J	29.5 J	469 J
13B-0540-C4CS	1.5 - 2.5 ft		3870 J	308 J	90.6 J	964 J	1.5 J	9.02 J	366 J	0.445 J	353 J	71.0 J	1300 J
13B-0540-C4LS	10.3 - 11.25 ft		2370	163	9.10 J	496	0.6 U	0.118 J	81.5	0.058	175	10.8	65.6
13B-0541-C1AS	0 - 0.5 ft		3860 J	415 J	22.3 J	967 J	0.7 J	2.01 J	449 J	0.129 J	262 J	18.6 J	318 J
13B-0541-C1BS	0.5 - 1.5 ft		2320	190	25.9 J	510	0.6	2.95 J	182	0.238	188	23.7	442 J
13B-0541-C1CS	1.5 - 2.5 ft		4570	325	23.0 J	792	0.6	0.870 J	176	0.142	196	17	273 J
13B-0541-C1FS	4.5 - 5.67 ft		1100	99.8	4.82 J	243	0.4 U	0.006 J	44.2	0.012	77.7	8.88	15.5 J
13B-0542-C2AS	0 - 0.5 ft		2800	236	33.3 J	589	1.1	1.89 J	322	0.52	229	20.5	903 J
13B-0542-C2BS	0.5 - 1.5 ft		2080	119	10.6 J	388	0.4 J	0.467 J	197	0.15	162	10.1	254 J
13B-0542-C2CS	1.5 - 2.5 ft		2500	168	10.6 J	456	0.7	0.902 J	383	0.136	201	16.1	543 J
13B-0542-C2HS	6.5 - 7.55 ft		1330	55.8	5.09 J	228	0.5	0.010 J	196	0.017	128	10.9	18.2 J
13B-0543-G1AS	0 - 0.5 ft		3720 J	620 J	24.7 J	987 J	0.9 J	1.17 J	602 J	0.115 J	335 J	23.8 J	398 J
13B-0544-C1AS	0 - 0.5 ft		1520	103	9.89 J	292	0.1 J	0.130 J	156	0.023	128	6.17	72.4 J
13B-0544-C2BS	0.5 - 1.5 ft		3030	323	20.6 J	706	0.6	2.12 J	201	0.11	239	14.2	295 J

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0544-C2CS	1.5 - 2.5 ft		3850	602	26.8 J	864	1	3.03 J	260	0.133	279	21.1	412 J
13B-0544-C2ES	3 - 3.97 ft		1940	288	16.0 J	373	0.3 J	1.11 J	111	0.093	161	10.1	342 J
13B-0546-G2AS	0 - 0.5 ft	28.2 J	1520 J	187	6.39 J	186	0.2 J	0.318 J	87.5	0.055	187	9.08	103
13B-0547-C2BS	0.5 - 1.5 ft	717 J	4010 J	525 J	75.5 J	801 J	1.6 J	10.5 J	330 J	0.297 J	312 J	57.9 J	984 J
13B-0547-C2HS	6.5 - 7.15 ft	11.9 J	1690 J	122	6.19 J	271	0.6 U	0.051 J	66.6	0.03	88	6.96	30.3
13B-0547-C3AS	0 - 0.5 ft	664 J	5380 J	758 J	113 J	1360 J	1.9 J	14.3 J	473 J	0.365 J	398 J	73.5 J	1640 J
13B-0547-C3CS	1.5 - 2.5 ft	951 J	3690 J	742	52.4 J	783	1.1	4.50 J	319	0.351	276	33.3	1150
13B-0548-C1AS	0 - 0.5 ft		2540	401	14.8 J	513	0.8	1.05 J	234 J	0.094	273	17.1	278
13B-0548-C1BS	0.5 - 1.5 ft		3120	598	17.6 J	615	0.8	1.06 J	246 J	0.102	303	21.8	285
13B-0548-C1BT	0.5 - 1.5 ft		3030	598	18.1 J	579	0.8	1.07 J	237 J	0.097	300	20.4	287
13B-0548-C1CS	1.5 - 2.5 ft		4310	502	27.3 J	758	0.9	2.09 J	219 J	0.173	251	22.8	371
13B-0548-C1IS	7.5 - 8.79 ft		1450	59.5	5.81 J	235	0.4 J	0.017 J	137 J	0.033	202	13	21.3
13B-0549-C3AS	0 - 0.5 ft		3320	464	30.8 J	673	0.9	1.22 J	273 J	0.134	276	18.3	334
13B-0549-C3BS	0.5 - 1.5 ft		2090	96.8	15.1 J	381	0.6	0.840 J	235 J	0.374	186	10.2	573
13B-0549-C3CS	1.5 - 2.65 ft		2420	138	11.4 J	440	0.8	0.863 J	353 J	0.256	224	13.1	465
13B-0550-C3AS	0 - 0.5 ft	183 J	3510 J	802 J	20.4 J	680 J	0.5 J	1.56 J	272 J	0.114 J	341 J	23.9 J	391 J
13B-0550-C3BS	0.5 - 1.5 ft	66.4	1790	223	11.4 J	353	0.5 U	0.489 J	97.5	0.059	215	13.5	123
13B-0550-C3CS	1.5 - 2.5 ft	206	1660	100	8.36 J	457	0.2 J	0.190 J	123	0.049	198	13.5	83.6
13B-0550-C3FS	4.5 - 5.37 ft	2.99	1330	62.8	6.56 J	302	0.8 U	0.014 J	103	0.027	182	16	22.2
13B-0551-G2AS	0 - 0.5 ft	104 J	2660 J	306	12.9 J	442	0.3 J	0.487 J	213	0.067	226	16.4	173
13B-0552-C1AS	0 - 0.5 ft		4770 J	812 J	28.8 J	1180 J	1.2 J	2.54 J	448 J	0.161 J	392 J	30.1 J	441 J
13B-0552-C1BS	0.5 - 1.5 ft		1270	58.6	7.86 J	232	0.5 U	0.145 J	88.7 J	0.034	131	5.25	74.5
13B-0552-C1CS	1.5 - 2.2 ft		1300	77.2	3.73 J	300	0.5 U	0.041 J	43.6 J	0.017	108	3.24	34.5
13B-0552-C1CT	1.5 - 2.2 ft		1270	75.4	3.81 J	240	0.4 U	0.032 J	50.5 J	0.02	83.6	3.42	24.6
13B-0553-C2AS	0 - 0.5 ft		1960	338	12.3 J	421	0.4 J	0.814 J	161	0.077	188	10.9	286
13B-0553-C2BS	0.5 - 1.5 ft		3540	396	19.8 J	703	0.6 J	0.465 J	179	0.188	246	17.4	505
13B-0553-C2CS	1.5 - 2.5 ft		4070	391	38.2 J	848	1.0 J	0.950 J	226	0.427	314	23.9	935
13B-0553-C2DS	2.5 - 3.5 ft		4360	312	54.7 J	614	1.6	1.24 J	280	1.36	355	30.6	1460
13B-0554-C1BS	0.5 - 1.5 ft		5480	544 J	30.3 J	1270	1.1	3.21 J	307	0.164	384	25	387 J
13B-0554-C1CS	1.5 - 2.5 ft		3040	187 J	33.7 J	657	1.1	2.99 J	185	0.143	284	23.7	412 J
13B-0554-C1ES	3.5 - 4.7 ft		3010	151 J	12.0 J	779	0.5 J	0.056 J	141	0.054	232	17.3	35.8 J
13B-0554-C4AS	0 - 0.5 ft		3030	437 J	19.8 J	549	0.7	3.29 J	208	0.11	296	21.4	277 J
13B-0555-C1AS	0 - 0.5 ft	823 J	4480 J	594 J	105 J	1070 J	1.6 J	20.4 J	383 J	0.373 J	420 J	91.6 J	1770 J
13B-0555-C1BS	0.5 - 1.22 ft	655 J	3470	334 J	55.0 J	694 J	1.2	10.3 J	235	0.237	335	47.7	909
13B-0555-C2CS	1.5 - 2 ft	1010 J	4880 J	537 J	123 J	1230 J	1.8 J	24.4 J	380 J	0.441 J	421 J	95.9 J	2030 J

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0555-C2DS	2 - 3 ft	746 J	3700 J	446 J	67.8 J	865 J	1.4 J	13.5 J	272 J	0.267 J	363 J	54.8 J	1190 J
13B-0556-C1BS	0.5 - 1.5 ft	229	2650	291	20.7 J	505	0.3 J	3.07 J	212	0.116	306	19.5	340
13B-0556-C2CS	1.5 - 2.38 ft	206	2890	123	18.3 J	481	0.5 J	3.46 J	200	0.125	272	17.4	322
13B-0556-C3AS	0 - 0.5 ft	181 J	3280 J	343 J	21.7 J	665 J	0.7 J	2.51 J	327 J	0.133 J	316 J	21.6 J	355 J
13B-0557-C2AS	0 - 0.5 ft	287 J	4200 J	956 J	30.6 J	805 J	0.6 J	4.47 J	290 J	0.133 J	408 J	34.4 J	438 J
13B-0557-C2BS	0.5 - 1.5 ft	299 J	5120 J	1060 J	32.1 J	969 J	0.8 J	7.31 J	326 J	0.143 J	420 J	37.6 J	484 J
13B-0557-C2CS	1.5 - 2.5 ft	523 J	3860	726	42.7 J	751	0.8	5.17 J	254	0.173	358	38.3	549
13B-0557-C2ES	3.5 - 4.5 ft	418 J	3040	350	26.9 J	540	0.7 J	3.26 J	247	0.167	268	30.9	599
13B-0558-C2AS	0 - 0.5 ft	257 J	2510 J	577 J	17.3 J	475 J	0.4 J	3.63 J	270 J	0.093 J	259 J	16.6 J	316 J
13B-0558-C2BS	0.5 - 1.5 ft	347	2290	376	17.6 J	413	0.5 J	1.37 J	206	0.149	207	17.3	411
13B-0558-C2CS	1.5 - 2.5 ft	282	3340	361	18.2 J	600	0.3 J	0.959 J	237	0.159	216	18.3	395
13B-0558-C2FS	4.5 - 5.75 ft	5.05	1320	154	6.73 J	264	0.9 U	0.015 J	57.9	0.026	85.9	6.14	12.9
13B-0559-C2AS	0 - 0.5 ft	76.4	1700	228 J	11.1 J	285	0.2 J	0.433 J	115	0.051	192	9.06	144 J
13B-0559-C2BS	0.5 - 1.5 ft	260	3720	806 J	28.1 J	679	0.5 J	3.66 J	233	0.13	318	27.8	385 J
13B-0559-C2CS	1.5 - 2.5 ft	586 J	4810 J	886 J	50.2 J	878 J	0.8 J	8.40 J	267 J	0.233 J	365 J	42.8 J	787 J
13B-0559-C3GS	5.5 - 6 ft	398	2450	337 J	26.3 J	411	0.3 J	2.39 J	109	0.105	243	25.2	339 J
13B-0560-C1AS	0 - 0.5 ft	69.6 J	1490 J	194	11.7 J	283	0.1 J	0.412 J	117	0.061	184	8.1	120 J
13B-0560-C1GS	5.14 - 5.86 ft	7.18 J	8110 J	497	17.2 J	1000	0.5 U	0.037 J	152	0.064	316	20.9	34.9 J
13B-0560-C3BS	0.5 - 1.5 ft	246 J	2960 J	622	22.1 J	574	0.6 J	1.55 J	183	0.106	278	17.9	320 J
13B-0560-C3CS	1.5 - 2.5 ft	248 J	2400 J	555 J	23.5 J	400 J	0.6 J	1.72 J	174 J	0.111 J	323 J	19.9 J	315 J
13B-0561-C1AS	0 - 0.5 ft	544	3140	268	43.3 J	606	0.6 J	8.89 J	267	0.137	338	49.5	550
13B-0561-C1BS	0.5 - 1.5 ft	480	2970	208	34.6 J	556	0.7	7.65 J	226	0.134	308	49.6	532
13B-0561-C1CS	1.5 - 2.5 ft	303	3870	93.5	17.9 J	339	0.4 J	3.07 J	154	0.077	215	23.2	260
13B-0561-C1GS	5.5 - 6.5 ft	3.82	3250	376	13.1 J	669	0.5 U	0.017 J	106	0.036	266	13.3	26.6
13B-0562-G2AS	0 - 0.5 ft	97.4 J	1800 J	383	9.69 J	349	0.2 J	0.399 J	165	0.052	190	11.9	163 J
13B-0563-C1AS	0 - 0.5 ft	54.2 J	1700 J	178	65.6 J	274	0.7 U	0.385 J	120	0.067	168	93.7 J	114
13B-0563-C1AT	0 - 0.5 ft	72.6 J	1390 J	152	9.45 J	241	0.7 U	0.329 J	88.6	0.059	139	10.2 J	96.8
13B-0563-C2BS	0.5 - 1.1 ft	30.2 J	1390 J	90.2	10.8 J	234	0.7 U	0.275 J	79.8	0.054	127	7.52	81.8
13B-0563-C2CS	1.1 - 2.5 ft	776 J	4520 J	623 J	80.5 J	941 J	1.2 J	21.6 J	346 J	0.283 J	400 J	99.2 J	1000 J
13B-0563-C2IS	7.5 - 8.28 ft	165 J	1460 J	132	10.6 J	270	0.3 J	2.75 J	80.8	0.103	145	16.9	259
13B-0564-G2AS	0 - 0.5 ft	292 J	6740 J	1040 J	40.1 J	1780 J	0.7 J	3.33 J	591 J	0.222 J	414 J	38.2 J	542 J
13B-0565-G1AS	0 - 0.5 ft	164 J	4990 J	205 J	29.2 J	704 J	0.3 J	1.83 J	732 J	0.091 J	310 J	16.9 J	215 J
13B-0566-G3AS	0 - 0.5 ft	118 J	4120	219	13.0 J	508	0.1 J	0.330 J	682	0.062	284	13.1	164
13B-0567-G2AS	0 - 0.5 ft	233 J	6490 J	888 J	33.8 J	1600 J	0.9 J	3.19 J	705 J	0.190 J	425 J	31.2 J	474 J
13B-0568-G2AS	0 - 0.5 ft	449 J	5490 J	334 J	55.0 J	911 J	0.8 J	7.61 J	447 J	0.231 J	314 J	53.8 J	687 J

APPENDIX I
DATA RESULTS SUMMARY
TAL Metals+Titanium

Analytic Method		SW6020	SW6010	SW6010	SW6020	SW6010	SW6020	SW6020	SW6010	SW6020	SW6010	SW6020	SW6010
Analyte		Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Titanium	Vanadium	Zinc
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Minimum Detect		1.31	1090	37.7	3.03	186	0.1	0.006	38	0.011	62.5	2.4	8.6
Maximum Detect		1460	8110	1270	174	2480	3.7	24.4	3310	1.41	566	108	2030
Mean of Detects		269	3210	347	33.1	683	0.797	3.32	373	0.172	265	25.9	471
St. Dev. of Detects		271	1530	254	30.5	395	0.586	4.84	366	0.183	109	22.1	474
CV of Detects		1.01	0.477	0.732	0.923	0.578	0.735	1.46	0.983	1.07	0.411	0.852	1.01
% Detected		100	100	100	100	100	83.3	100	100	99.1	100	100	100
Sample ID	Depth Interval												
13B-0571-C3AS	0 - 0.5 ft	114 J	2610 J	341 J	17.6 J	583 J	0.5 J	1.25 J	241 J	0.066 J	270 J	21.3 J	203 J
13B-0571-C3CS	1.5 - 2.5 ft	14.5	1610	231	6.67 J	279	0.4 U	0.148 J	52.5	0.016	141	9.51	49.3
13B-0571-C3MS	11 - 12 ft	1.68	2660	331	5.79 J	304	0.5 U	0.009 J	81.6	0.013	233	6.51	21.6
13B-0571-C4BS	0.5 - 1.5 ft	140 J	2810 J	97.1 J	19.2 J	644 J	0.9 J	2.02 J	243 J	0.103 J	293 J	23.6 J	247 J
13B-0572-C1BS	0.5 - 1.5 ft	484	2960	117	38.6 J	576	0.7	1.89 J	167	0.369	255	14.5	679
13B-0572-C1CS	1.5 - 2.27 ft	183	2910	151	10.0 J	498	0.5 J	0.260 J	106	0.109	208	13.8	217
13B-0573-C2AS	0 - 0.5 ft	139	1990	191	11.5 J	304	0.2 J	0.600 J	138	0.057	193	10.9	162
13B-0573-C2BS	0.5 - 1.5 ft	108	2620	247	11.1 J	307	0.2 J	0.248 J	156	0.052	205	13.4	168
13B-0573-C2CS	1.5 - 2.5 ft	107	2900	273	13.6 J	520	0.5 U	1.19 J	120	0.057	174	12.7	157
13B-0573-C2DS	2.5 - 3.75 ft	2.37	2280	199	4.51 J	349	0.4 U	0.012 J	54.8	0.011	62.5	2.95	11.5
13B-0574-C1CS	1.5 - 2.5 ft	521 J	3830	363	47.7 J	722	0.8	5.59 J	365	0.182	273	47.2	866
13B-0574-C2BS	0.5 - 1.5 ft	150 J	2230	192	14.5 J	343	0.3 J	0.870 J	180	0.058	156	16.4	186
13B-0574-C2HS	6.4 - 7.4 ft	196 J	2030	144	22.7 J	382	0.3 J	3.66 J	138	0.1	172	19.3	389
13B-0574-C3AS	0 - 0.5 ft	192 J	2610	269	15.4 J	400	0.1 J	1.38 J	187	0.058	192	16	232
13B-0575-C4AS	0 - 0.5 ft		3840 J	512 J	58.4 J	927 J	1.8 J	6.31 J	428 J	0.281 J	332 J	50.9 J	1030 J
13B-0575-C4BS	0.5 - 1.5 ft		2380	148	29.7 J	491	1.4	4.07 J	217 J	0.132	225	42.8	418
13B-0575-C4CS	1.5 - 2.5 ft		1090	37.7	7.45 J	229	0.7	0.028 J	116 J	0.037	214	17.8	15.4
13B-0575-C4FS	4.3 - 5.44 ft		1370	44.7	6.11 J	196	0.3 J	0.015 J	93.0 J	0.024	216	15.8	17.4
13B-0578-C5AS	0 - 0.5 ft		1920	106	8.29 J	390	0.2 J	0.16	126	0.057	192	9.13 J	81.3
13B-0578-C5GS	5.25 - 6.25 ft		2370	155	7.19 J	435	0.9 U	0.154	91.5	0.044	512	8.96 J	99.4
13B-0578-C6BS	0.5 - 1.5 ft		3420	299	18.3 J	772	0.5 J	0.805	163	0.125	246	14.2 J	198
13B-0578-C6CS	1.5 - 2.5 ft		2200	162	7.09 J	431	0.2 J	0.195	83.3	0.067	165	7.55 J	79.7
13B-0578-C6CT	1.5 - 2.5 ft		2650	209	8.12 J	566	0.3 J	0.2	98.3	0.062	194	8.61 J	111

Notes:
% = percent
ft = feet
mg/kg = milligram per kilogram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
TAL = Target Analyte List
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

Determination of metals was performed using either EPA Method 6010C or EPA Method 6020A; all metals results are tabulated by the method selected as the most appropriate for the specific metal, matrix, and concentration level by the laboratory and validation process. A blank space in the results reported by Method 6010C indicates the metal was reported from analysis by Method 6020A; similarly a blank space in the table of results reported from Method 6020A indicates the analytical result was determined using Method 6010C.

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0501-C2AS	0 - 0.5 ft	31
13B-0501-C2BS	0.5 - 1.5 ft	30.7
13B-0501-C2CS	1.5 - 2.5 ft	29.3
13B-0501-C2DS	2.5 - 3.32 ft	35.8
13B-0502-C2BS	0.5 - 1.5 ft	28.2
13B-0502-C2CS	1.5 - 2.45 ft	50.5
13B-0502-G1AS	0 - 0.5 ft	23.9
13B-0503-C1BS	0.5 - 1.5 ft	24.4
13B-0503-C1CS	1.5 - 2.5 ft	23
13B-0503-C2AS	0 - 0.5 ft	32.6
13B-0504-C2AS	0 - 0.5 ft	152.6
13B-0504-C2BS	0.5 - 1.5 ft	103.2
13B-0504-C2CS	1.5 - 2.5 ft	90
13B-0504-C4KS	9.5 - 10.25 ft	33.4
13B-0505-C1BS	0.5 - 1.5 ft	31
13B-0505-C2CS	1.5 - 2.5 ft	30.3
13B-0505-C2FS	4.5 - 5.33 ft	30.2
13B-0505-G2AS	0 - 0.5 ft	201.3
13B-0506-C2CS	1.5 - 2.5 ft	15.5
13B-0506-C3BS	0.5 - 1.44 ft	34
13B-0506-G1AS	0 - 0.5 ft	69.4
13B-0507-C2BS	0.5 - 1.5 ft	30.9
13B-0507-C2CS	1.5 - 2.5 ft	29.2
13B-0507-C3AS	0 - 0.5 ft	61
13B-0507-C3DS	2.5 - 3.3 ft	38.6
13B-0508-G3AS	0 - 0.5 ft	14.1
13B-0509-C1ES	3.17 - 4.17 ft	46.2
13B-0509-C2BS	0.5 - 1.5 ft	42.9
13B-0509-C2CS	1.5 - 2.5 ft	48.8
13B-0510-C1AS	0 - 0.5 ft	75.8
13B-0510-C1BS	0.5 - 1.7 ft	18.1
13B-0511-C1AS	0 - 0.5 ft	183.5
13B-0511-C1BS	0.5 - 1.5 ft	119.9
13B-0511-C1CS	1.5 - 2.5 ft	111.6
13B-0511-C3HS	5.95 - 6.95 ft	35.7
13B-0512-G1AS	0 - 0.5 ft	117.3
13B-0513-G1AS	0 - 0.5 ft	162.7
13B-0514-G1AS	0 - 0.5 ft	125
13B-0515-C1BS	0.5 - 1.71 ft	17.1
13B-0515-C2AS	0 - 0.5 ft	132.3
13B-0515-C2CS	1.5 - 2.19 ft	15.1
13B-0516-C2CS	1.5 - 2.5 ft	94
13B-0516-C2LS	10.4 - 11.4 ft	53.4
13B-0516-C3AS	0 - 0.5 ft	144.9

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0516-C3BS	0.5 - 1.5 ft	68.7
13B-0517-G2AS	0 - 0.5 ft	18.9
13B-0518-G1AS	0 - 0.5 ft	39.3
13B-0518-G1AT	0 - 0.5 ft	37.5
13B-0519-C2BS	0.5 - 1.5 ft	50
13B-0519-C2CS	1.5 - 2.5 ft	59.7
13B-0519-C2RS	16.1 - 17.1 ft	16.7
13B-0519-C5AS	0 - 0.5 ft	57.7
13B-0520-G1AS	0 - 0.5 ft	122.2
13B-0521-C2HS	6.5 - 7.63 ft	121.7
13B-0521-C3AS	0 - 0.5 ft	28.4
13B-0521-C3BS	0.5 - 1.5 ft	25.2
13B-0521-C3CS	1.5 - 2.5 ft	37.8
13B-0522-G1AS	0 - 0.5 ft	177.4
13B-0522-G1AT	0 - 0.5 ft	183.3
13B-0523-G2AS	0 - 0.5 ft	250.2
13B-0524-C1BS	0.5 - 1.5 ft	125.5
13B-0524-C1CS	1.5 - 2.5 ft	117.6
13B-0524-C1GS	5.39 - 6.39 ft	62.1
13B-0524-G1AS	0 - 0.5 ft	128.5
13B-0525-C1BS	0.5 - 1.5 ft	106.7
13B-0525-C1CS	1.5 - 2.5 ft	101.8
13B-0525-C1HS	6.42 - 7.42 ft	61.4
13B-0525-C2AS	0 - 0.5 ft	118.9
13B-0526-C1BS	0.5 - 1.5 ft	124.5
13B-0526-C1HS	6.5 - 7.62 ft	29.2
13B-0526-C2AS	0 - 0.5 ft	61.5
13B-0526-C2CS	1.5 - 2.5 ft	118.3
13B-0526-C2CT	1.5 - 2.5 ft	120.7
13B-0527-C3BS	0.5 - 1.5 ft	39.2
13B-0527-C3CS	1.5 - 2.31 ft	38.3
13B-0527-C4AS	0 - 0.5 ft	67.7
13B-0528-C3CS	1.5 - 2.5 ft	119.9
13B-0528-C3LS	10.5 - 11.54 ft	58.2
13B-0528-C4AS	0 - 0.5 ft	193.2
13B-0528-C4BS	0.5 - 1.5 ft	128.4
13B-0529-C2BS	0.5 - 1.5 ft	14.5
13B-0529-C2CS	1.5 - 2.5 ft	17
13B-0529-C2ES	3.5 - 4.2 ft	19.6
13B-0529-C3AS	0 - 0.5 ft	27.8
13B-0530-C4AS	0 - 0.5 ft	257.5
13B-0530-C4BS	0.5 - 1.5 ft	28.7
13B-0530-C4CS	1.5 - 1.62 ft	20.7
13B-0531-C1BS	0.5 - 1.5 ft	16.6

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0531-C1CS	1.5 - 2.3 ft	16.9
13B-0531-C2ES	3.5 - 4.42 ft	15.7
13B-0531-C3AS	0 - 0.5 ft	25.2
13B-0531-C3AT	0 - 0.5 ft	23.6
13B-0532-C1BS	0.5 - 1.5 ft	19.5
13B-0532-C1CS	1.5 - 2.5 ft	23.3
13B-0532-C1DS	2.5 - 3.73 ft	14.5
13B-0532-C2AS	0 - 0.5 ft	78.5
13B-0533-C3BS	0.5 - 1.5 ft	117.9
13B-0533-C3CS	1.5 - 2.5 ft	111
13B-0533-C3JS	8.5 - 9.35 ft	78.6
13B-0533-C3JT	8.5 - 9.35 ft	80.2
13B-0533-G1AS	0 - 0.5 ft	211.5
13B-0533-G1AT	0 - 0.5 ft	211.2
13B-0534-C2BS	0.5 - 1.5 ft	94.9
13B-0534-C2CS	1.5 - 2.5 ft	85.3
13B-0534-C2IS	7.5 - 8.59 ft	80.8
13B-0534-G1AS	0 - 0.5 ft	176.7
13B-0534-G1AT	0 - 0.5 ft	194.7
13B-0535-C2BS	0.5 - 1.5 ft	15.5
13B-0535-C2CS	1.5 - 2.45 ft	17.6
13B-0535-G1AS	0 - 0.5 ft	91
13B-0536-C1BS	0.5 - 1.5 ft	34
13B-0536-C1CS	1.5 - 2.5 ft	43.7
13B-0536-C1FS	4.28 - 5.28 ft	92.2
13B-0536-C3AS	0 - 0.5 ft	65.9
13B-0537-C2AS	0 - 0.5 ft	51.2
13B-0538-C2AS	0 - 0.5 ft	135.8
13B-0538-C3BS	0.5 - 1.5 ft	169.6
13B-0538-C3CS	1.5 - 2.5 ft	78.9
13B-0538-C3ES	3.5 - 4.8 ft	37.1
13B-0539-C3BS	0.5 - 1.5 ft	94.8
13B-0539-C3CS	1.5 - 2.5 ft	91.8
13B-0539-C3HS	6.5 - 7.59 ft	25.3
13B-0539-G2AS	0 - 0.5 ft	90.1
13B-0539-G2AT	0 - 0.5 ft	79.6
13B-0540-C3AS	0 - 0.5 ft	195.8
13B-0540-C3BS	0.5 - 1.5 ft	92.3
13B-0540-C3CS	1.5 - 2.5 ft	109
13B-0540-C4LS	10.3 - 11.25 ft	26.6
13B-0541-C1CS	1.5 - 2.5 ft	38
13B-0541-C1FS	4.5 - 5.67 ft	22.1
13B-0541-C2AS	0 - 0.5 ft	157.1
13B-0541-C2BS	0.5 - 1.5 ft	35.6

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0542-C2BS	0.5 - 1.5 ft	30.2
13B-0542-C2CS	1.5 - 2.5 ft	39.1
13B-0542-C2HS	6.5 - 7.55 ft	23.8
13B-0542-C3AS	0 - 0.5 ft	52.6
13B-0543-G1AS	0 - 0.5 ft	223.1
13B-0544-C1AS	0 - 0.5 ft	52.2
13B-0544-C1ES	3.5 - 4.33 ft	39.5
13B-0544-C2BS	0.5 - 1.5 ft	49
13B-0544-C2CS	1.5 - 2.5 ft	98.1
13B-0546-G2AS	0 - 0.5 ft	34.7
13B-0547-C2HS	6.5 - 7.15 ft	20.6
13B-0547-C3BS	0.5 - 1.5 ft	122
13B-0547-C3CS	1.5 - 2.5 ft	69.5
13B-0547-G1AS	0 - 0.5 ft	193.2
13B-0548-C1IS	7.5 - 8.79 ft	52.1
13B-0548-C2AS	0 - 0.5 ft	65.5
13B-0548-C2BS	0.5 - 1.5 ft	58.1
13B-0548-C2BT	0.5 - 1.5 ft	56.4
13B-0548-C2CS	1.5 - 2.5 ft	45.5
13B-0549-C2AS	0 - 0.5 ft	78.5
13B-0549-C3BS	0.5 - 1.5 ft	26.9
13B-0549-C3CS	1.5 - 2.65 ft	34.1
13B-0550-C1AS	0 - 0.5 ft	98.6
13B-0550-C3BS	0.5 - 1.5 ft	28
13B-0550-C3CS	1.5 - 2.5 ft	42.5
13B-0550-C3FS	4.5 - 5.37 ft	39.2
13B-0551-C2BS	0.5 - 0.88 ft	36.1
13B-0551-G2AS	0 - 0.5 ft	57.3
13B-0552-C1BS	0.5 - 1.5 ft	29.5
13B-0552-C2AS	0 - 0.5 ft	211.7
13B-0552-C2CS	1.5 - 2.5 ft	21.4
13B-0552-C2CT	1.5 - 2.5 ft	26.9
13B-0553-C1AS	0 - 0.5 ft	67.1
13B-0553-C2BS	0.5 - 1.5 ft	39.1
13B-0553-C2CS	1.5 - 2.5 ft	50
13B-0554-C1BS	0.5 - 1.5 ft	62
13B-0554-C1CS	1.5 - 2.5 ft	50.9
13B-0554-C1ES	3.5 - 4.7 ft	35.1
13B-0554-G2AS	0 - 0.5 ft	86.5
13B-0555-C2AS	0 - 0.5 ft	215.1
13B-0555-C2BS	0.5 - 1.5 ft	156
13B-0555-C2CS	1.5 - 2 ft	158
13B-0555-C2DS	2 - 3 ft	108.4
13B-0556-C1BS	0.5 - 1.5 ft	58.3

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0556-C1CS	1.5 - 2.5 ft	38.5
13B-0556-C3AS	0 - 0.5 ft	84.2
13B-0557-C1AS	0 - 0.5 ft	105.3
13B-0557-C2BS	0.5 - 1.5 ft	99.5
13B-0557-C2CS	1.5 - 2.5 ft	93
13B-0557-C2ES	3.5 - 4.5 ft	55.2
13B-0558-C2CS	1.5 - 2.5 ft	41.9
13B-0558-C2FS	4.5 - 5.75 ft	10.1
13B-0558-C3AS	0 - 0.5 ft	49.5
13B-0558-C3BS	0.5 - 1.5 ft	37.3
13B-0559-C2BS	0.5 - 1.5 ft	59.4
13B-0559-C2CS	1.5 - 2.5 ft	102.6
13B-0559-C2GS	5.5 - 646 ft	32.2
13B-0559-G1AS	0 - 0.5 ft	37.2
13B-0560-C3AS	0 - 0.5 ft	31.5
13B-0560-C3BS	0.5 - 1.5 ft	55.5
13B-0560-C3CS	1.5 - 2.5 ft	102
13B-0560-C3GS	4.9 - 6.5 ft	23.1
13B-0561-C1CS	1.5 - 2.5 ft	25.8
13B-0561-C2AS	0 - 0.5 ft	39.3
13B-0561-C2BS	0.5 - 1.5 ft	47.9
13B-0562-G1AS	0 - 0.5 ft	46.6
13B-0563-C1BS	0.5 - 1.5 ft	20.3
13B-0563-C1CS	1.5 - 2.5 ft	168.8
13B-0563-G1AS	0 - 0.5 ft	31.6
13B-0563-G1AT	0 - 0.5 ft	33.1
13B-0564-G2AS	0 - 0.5 ft	244.1
13B-0565-G1AS	0 - 0.5 ft	31.7
13B-0566-G3AS	0 - 0.5 ft	22.3
13B-0567-G2AS	0 - 0.5 ft	206.4
13B-0568-G2AS	0 - 0.5 ft	95.5
13B-0571-C4AS	0 - 0.5 ft	118.8
13B-0571-C4BS	0.5 - 1.5 ft	85.3
13B-0571-C4CS	1.5 - 2.5 ft	24.6
13B-0571-C4MS	11.5 - 12.5 ft	10.2
13B-0572-C1BS	0.5 - 1.5 ft	43
13B-0572-C1CS	1.5 - 2.27 ft	69.9
13B-0573-C2BS	0.5 - 1.5 ft	23.1
13B-0573-C2CS	1.5 - 2.5 ft	19.2
13B-0573-C2DS	2.5 - 3.75 ft	13.6
13B-0573-C4AS	0 - 0.5 ft	30.5
13B-0574-C1BS	0.5 - 1.5 ft	43.4
13B-0574-C1CS	1.5 - 2.5 ft	51.9
13B-0574-C2HS	6.4 - 7.4 ft	54.5

APPENDIX I
DATA RESULTS SUMMARY
Moisture

	Analytic Method	**D2216**
	Analyte	**Percent Moisture**
	Unit	**%**
	Minimum Detect	**10.1**
	Maximum Detect	**257.5**
	Mean of Detects	**71.1**
	St. Dev. of Detects	**55.0**
	CV of Detects	**0.774**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0574-G2AS	0 - 0.5 ft	23.4
13B-0575-C1AS	0 - 0.5 ft	66.3
13B-0575-C1BS	0.5 - 1.5 ft	153.9
13B-0575-C4CS	1.5 - 2.5 ft	29.5
13B-0575-C4FS	4.3 - 5.44 ft	33.5
13B-0577-G1AS	0 - 0.5 ft	126.6
13B-0578-C5GS	5.25 - 6.25 ft	16.4
13B-0578-C6AS	0 - 0.5 ft	92.3
13B-0578-C6CS	1.5 - 2.5 ft	32.3
13B-0578-C6CT	1.5 - 2.5 ft	30.3
13B-0578-C7BS	0.5 - 1.5 ft	25.9

Notes:
% = percent
ft = feet
CV = Coefficient of Variation
Moisture percentage based on water mass/dry soil mass
St. Dev. = Standard Deviation

APPENDIX I
DATA RESULTS SUMMARY
N-TKN-P

Analytic Method		D1426(B)	E350.1M LL	E365_M
Analyte		Nitrogen, Kjeldahl	Nitrogen, ammonia	Phosphorus
Unit		mg/kg	mg/kg	mg/kg
Minimum Detect		250	0.61	58
Maximum Detect		45000	511	17500
Mean of Detects		3320	72.0	6340
St. Dev. of Detects		5360	90.7	4650
CV of Detects		1.62	1.26	0.733
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0501-G2AS	0 - 0.5 ft	880	13.9	4920
13B-0502-G1AS	0 - 0.5 ft	409	3.89	2740
13B-0503-G1AS	0 - 0.5 ft	950	7.71	2880
13B-0504-G1AS	0 - 0.5 ft	4430 J	301 J	2330 J
13B-0505-G2AS	0 - 0.5 ft	3830 J	43.5 J	10300 J
13B-0506-G1AS	0 - 0.5 ft	1480	10.0	103
13B-0507-G1AS	0 - 0.5 ft	1890	18.8	158
13B-0508-G3AS	0 - 0.5 ft	276	0.61	58.0
13B-0509-C1AS	0 - 0.5 ft			7000
13B-0509-C1BS	0.5 - 1.5 ft			5500
13B-0509-C1CS	1.5 - 2.5 ft			8500
13B-0509-C1ES	3.17 - 4.17 ft			6100
13B-0511-G1AS	0 - 0.5 ft	4740 J	180 J	17500 J
13B-0511-G1AT	0 - 0.5 ft	4350 J	174 J	15300 J
13B-0512-G1AS	0 - 0.5 ft	3000 J	81.2 J	1840 J
13B-0513-G1AS	0 - 0.5 ft	4080 J	233 J	10700 J
13B-0513-G1AT	0 - 0.5 ft	4120 J	257 J	11100 J
13B-0514-G1AS	0 - 0.5 ft	2960 J	80.8 J	1590 J
13B-0515-G1AS	0 - 0.5 ft	3080 J	109 J	14500 J
13B-0516-G2AS	0 - 0.5 ft	1940 J	109 J	10100 J
13B-0517-G2AS	0 - 0.5 ft	45000	1.18	3900
13B-0518-G1AS	0 - 0.5 ft	2920	4.82	5900
13B-0519-G1AS	0 - 0.5 ft	1870	38.0	8100
13B-0520-G1AS	0 - 0.5 ft	3200 J	17.7 J	192 J
13B-0521-G1AS	0 - 0.5 ft	275	4.94	4400
13B-0522-G1AS	0 - 0.5 ft	4500 J	22.7 J	227 J
13B-0523-G2AS	0 - 0.5 ft	4550 J	135 J	17000 J
13B-0524-G1AS	0 - 0.5 ft	2970 J	78 J	10300 J
13B-0525-G1AS	0 - 0.5 ft	2770 J	181 J	10500 J
13B-0526-G1AS	0 - 0.5 ft	680	11.7	4940
13B-0527-G1AS	0 - 0.5 ft	2440 J	16.3 J	10200 J
13B-0528-G2AS	0 - 0.5 ft	4750 J	124 J	12700 J
13B-0529-G1AS	0 - 0.5 ft	250	6.23	3930
13B-0529-G1AT	0 - 0.5 ft	325	5.10	5040
13B-0530-G2AS	0 - 0.5 ft	4550 J	64.7 J	2340 J
13B-0530-G2AT	0 - 0.5 ft	4440 J	64.9 J	2340 J
13B-0531-G1AS	0 - 0.5 ft	752	5.00	4180
13B-0532-G1AS	0 - 0.5 ft	1980	70.7	12000
13B-0533-G1AS	0 - 0.5 ft		295 J	2440 J
13B-0534-G1AS	0 - 0.5 ft	3990 J	233 J	12500 J
13B-0535-G1AS	0 - 0.5 ft	2430 J	63.6 J	8600 J
13B-0536-G1AS	0 - 0.5 ft	2390	121	7500
13B-0537-G2AS	0 - 0.5 ft	1760	28.4	5800
13B-0538-G1AS	0 - 0.5 ft	3760 J	204 J	12800 J
13B-0539-G2AS	0 - 0.5 ft		75.7 J	10000 J
13B-0540-G2AS	0 - 0.5 ft	5080 J	511 J	14900 J
13B-0541-G1AS	0 - 0.5 ft	3590 J	80.7 J	11500 J
13B-0542-G1AS	0 - 0.5 ft	1850	30.1	6100
13B-0543-G1AS	0 - 0.5 ft	4060 J	20.0 J	12400 J
13B-0544-G1AS	0 - 0.5 ft		21.9	6200
13B-0546-G2AS	0 - 0.5 ft	1360	1.92	210
13B-0547-G1AS	0 - 0.5 ft	5090 J	103 J	2530 J
13B-0548-G1AS	0 - 0.5 ft	1360	16.6	5200

APPENDIX I
DATA RESULTS SUMMARY
N-TKN-P

Analytic Method		D1426(B)	E350.1M LL	E365_M
Analyte		Nitrogen, Kjeldahl	Nitrogen, ammonia	Phosphorus
Unit		mg/kg	mg/kg	mg/kg
Minimum Detect		250	0.61	58
Maximum Detect		45000	511	17500
Mean of Detects		3320	72.0	6340
St. Dev. of Detects		5360	90.7	4650
CV of Detects		1.62	1.26	0.733
% Detected		100	100	100
Sample ID	Depth Interval			
13B-0549-G1AS	0 - 0.5 ft	2290 J	26.4 J	7900 J
13B-0550-G1AS	0 - 0.5 ft		83.9	1580
13B-0551-C1AS	0 - 0.5 ft	1210	12.0	760
13B-0552-G2AS	0 - 0.5 ft	4150 J	128 J	15600 J
13B-0553-G2AS	0 - 0.5 ft	2170	39.2	8900
13B-0553-G2AT	0 - 0.5 ft	2320	42.7	8000
13B-0554-G2AS	0 - 0.5 ft	2790	56.6	7200
13B-0555-G1AS	0 - 0.5 ft	6000 J	32.5 J	292 J
13B-0556-G1AS	0 - 0.5 ft	2330 J	52.8 J	8900 J
13B-0557-G1AS	0 - 0.5 ft	3280 J	267 J	94 J
13B-0558-G1AS	0 - 0.5 ft	970	16.7	93
13B-0559-G1AS	0 - 0.5 ft	680	14.1	4100
13B-0560-G1AS	0 - 0.5 ft		23.0	4520
13B-0561-G3AS	0 - 0.5 ft	770	10.5	3540
13B-0562-G1AS	0 - 0.5 ft	1570	13.4	4200
13B-0563-G1AS	0 - 0.5 ft	380	10.9	442
13B-0564-G2AS	0 - 0.5 ft	4770 J	66.4 J	2720 J
13B-0565-G1AS	0 - 0.5 ft	1120 J	12.5 J	5810 J
13B-0566-G3AS	0 - 0.5 ft	1250	7.33	3320
13B-0567-G2AS	0 - 0.5 ft	4780 J	24.5 J	257 J
13B-0568-G2AS	0 - 0.5 ft	2140 J	62.5 J	7580 J
13B-0571-G2AS	0 - 0.5 ft	13700 J	26.1 J	9250 J
13B-0573-G3AS	0 - 0.5 ft	970	13.8	3510
13B-0574-G2AS	0 - 0.5 ft	553	11.7	89
13B-0575-G1AS	0 - 0.5 ft	1400	33.1	6900
13B-0577-G1AS	0 - 0.5 ft	3410 J	3.1 J	8200 J
13B-0578-G2AS	0 - 0.5 ft	3160 J	102 J	13700 J

Notes:
For five samples (13B-0533-G1AS, 13B-0539-G2AS, 13B-0544-G1AS, 13B-0550-G1AS, and 13B-0560-G1AS), the laboratory did not report TKN. For four samples (13B-0509-C1AS, 13B-0509-C1BS, 13B-0509-C1CS, and 13B-0509-C1ES), the laboratory analyzed for phosphorous (only) in error.
% = percent
ft = feet
mg/kg = milligrams per kilograms
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
P = Phosphorus
N = Nitrogen
St. Dev. = Standard Deviation
TKN = Total Kjeldahl Nitrogen

APPENDIX I
DATA RESULTS SUMMARY
PAHs-HR

Analytic Method		**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
Analyte		**1-Methylnaphthalene**	**1-Methylphenanthrene**	**2,3,5-Trimethylnaphthalene**	**2,6-Dimethylnaphthalene**	**2-Methylnaphthalene**
Unit		**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
Minimum Detect		**1.48**	**0.309**	**0.566**	**0.522**	**3.41**
Maximum Detect		**1800**	**12300**	**3790**	**5830**	**2190**
Mean of Detects		**237**	**975**	**297**	**374**	**301**
St. Dev. of Detects		**273**	**1360**	**530**	**678**	**304**
CV of Detects		**1.15**	**1.39**	**1.78**	**1.81**	**1.01**
% Detected		**90.4**	**97.4**	**95.2**	**96.1**	**86.9**
Sample ID	**Depth Interval**					
13B-0501-C1AS	0 - 0.5 ft	161 J	590	97.1 J	137	175 J
13B-0501-C1BS	0.5 - 1.5 ft	56.8 J	176	78.6	50.3	96.0 J
13B-0501-C1CS	1.5 - 2.5 ft	44.6 J	112	33.6	53.5	83.9 J
13B-0501-C2DS	2.5 - 3.32 ft	357 J	4460	367	309	673
13B-0502-C2AS	0 - 0.5 ft	111	367	55.7	88.8	152 J
13B-0502-C2BS	0.5 - 1.5 ft	116 J	405	80.8	111	182 J
13B-0502-C2CS	1.5 - 2.45 ft	289	1290	398	422	356 J
13B-0503-C1AS	0 - 0.5 ft	12.7 J	105	16.0	17.9	23.7 J
13B-0503-C1BS	0.5 - 1.5 ft	2.09 J	1.24	2.69	1.60 J	9.58 U
13B-0503-C1CS	1.5 - 2.5 ft	4.90 U	0.979 U	0.566 J	0.522 J	9.79 U
13B-0504-C2AS	0 - 0.5 ft	678 J	1230 J	298 J	339 J	260 J
13B-0504-C4BS	0.5 - 1.5 ft	1250 J	3840 J	2480 J	3000 J	1490 J
13B-0504-C4CS	1.5 - 2.5 ft	333	1900	687	892	467
13B-0504-C4KS	9.5 - 10.25 ft	433	1650	470	582	384
13B-0505-C1AS	0 - 0.5 ft	144 J	425 J	70.8 J	159 J	224 J
13B-0505-C1BS	0.5 - 1.5 ft	765	3020	336	506	579 J
13B-0505-C1CS	1.5 - 2.5 ft	115 J	314	191	190	220 J
13B-0505-C1FS	4.5 - 5.2 ft	36.8	269	8.57 J	30.3	83.8
13B-0506-C2BS	0.5 - 1.5 ft	32.2	71.7	18.9	36.2	66.7
13B-0506-C2CS	1.5 - 2.5 ft	3.38 J	18.9	1.98 J	4.48	7.85 J
13B-0506-C3AS	0 - 0.5 ft	179 J	954 J	202 J	182 J	231 J
13B-0507-C2AS	0 - 0.5 ft	14.1 J	23.0	18.6	27.0	18.7 J
13B-0507-C2BS	0.5 - 1.5 ft	4.83 U	1.23	1.01 J	1.12 J	9.66 U
13B-0507-C2CS	1.5 - 2.5 ft	4.97 U	0.995 U	0.693 J	1.99 U	9.95 U
13B-0507-C2DS	2.5 - 3.5 ft	4.97 U	0.645 J	0.761 J	0.705 J	9.93 U

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0508-G3AS	0 - 0.5 ft	6.37 J	23.9	2.56 J	5.22 J	38.2 U
13B-0509-C1BS	0.5 - 1.5 ft	66.4 J	420	102	116	135 J
13B-0509-C1CS	1.5 - 2.5 ft	169 J	1180	362	382	300 J
13B-0509-C1ES	3.17 - 4.17 ft	395	3870	769	675	713
13B-0509-C2AS	0 - 0.5 ft	111 J	435 J	249 J	177 J	209 J
13B-0510-C1AS	0 - 0.5 ft	136	581	65.8	108	145 J
13B-0510-C3BS	0.5 - 1.9 ft	5.95 J	19.8	3.95	8.29	12.9 J
13B-0511-C1AS	0 - 0.5 ft	125 J	313 J	50.2 J	132 J	201 J
13B-0511-C3BS	0.5 - 1.5 ft	84.1 J	291	57.0 J	110	139 J
13B-0511-C3CS	1.5 - 2.5 ft	107	499	203	286	149 J
13B-0511-C3HS	5.95 - 6.95 ft	183 J	1240	450	430	305 J
13B-0512-G1AS	0 - 0.5 ft	95.9 J	312 J	54.8 J	101 J	165 J
13B-0513-G1AS	0 - 0.5 ft	149 J	508 J	214 J	297 J	197 J
13B-0514-G1AS	0 - 0.5 ft	174 J	779 J	174 J	206 J	254 J
13B-0515-C1AS	0 - 0.5 ft	31.0	168	22.9	34.0	52.3 J
13B-0515-C1BS	0.5 - 1.71 ft	4.95 U	0.389 J	1.98 U	1.98 U	9.89 U
13B-0515-C2CS	1.5 - 2.19 ft	4.94 U	0.545 J	1.97 U	1.97 U	9.87 U
13B-0516-C2BS	0.5 - 1.5 ft	119 J	485 J	124 J	228 J	213 J
13B-0516-C2CS	1.5 - 2.5 ft	259 J	616 J	342 J	542 J	535 UJ
13B-0516-C2LS	10.4 - 11.4 ft	352	1350	652	787	324 J
13B-0516-C3AS	0 - 0.5 ft	99.9 J	394 J	65.3 J	119 J	176 J
13B-0517-G2AS	0 - 0.5 ft	5.46	19.1	3.01	5.37	9.54 J
13B-0518-G1AS	0 - 0.5 ft	87.3 J	401 J	52.7 J	79.2 J	147 J
13B-0518-G1AT	0 - 0.5 ft	90.9 J	224 J	26.3 J	72.5	166 J
13B-0519-C2BS	0.5 - 1.5 ft	154	489	79.3	129	206

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0519-C2CS	1.5 - 2.5 ft	293	1040	527	531	343 J
13B-0519-C2RS	16.1 - 17.1 ft	4.92 U	0.984 U	1.97 U	1.97 U	9.84 U
13B-0519-C5AS	0 - 0.5 ft	110	406	58.6	107	197
13B-0520-G1AS	0 - 0.5 ft	58.0 J	199 J	27.5 J	51.2 J	84.3 J
13B-0521-C2AS	0 - 0.5 ft	125	409	50.6	100	155 J
13B-0521-C2BS	0.5 - 1.5 ft	31.7 J	114	22.1	32.4	43.4 J
13B-0521-C2CS	1.5 - 2.5 ft	50.1 J	205	32.7	56.4	65.6 J
13B-0521-C2HS	6.5 - 7.63 ft	694 J	2440 J	986 J	1130 J	880 J
13B-0522-G1AS	0 - 0.5 ft	105 J	266 J	49.7 J	110 J	174 J
13B-0522-G1AT	0 - 0.5 ft	85.5 J	199 J	38.4 J	84.8 J	139 J
13B-0523-G2AS	0 - 0.5 ft	127 J	292 J	52.0 J	149 J	251 J
13B-0524-C1AS	0 - 0.5 ft	708 J	2040 J	303 J	649 J	603 J
13B-0524-C1BS	0.5 - 1.5 ft	262 J	1490 J	223 J	278 J	309 J
13B-0524-C1CS	1.5 - 2.5 ft	194 J	912 J	177 J	258 J	236 J
13B-0524-C1GS	5.39 - 6.39 ft	890 J	3550 J	898 J	1140 J	1030 UJ
13B-0525-C1BS	0.5 - 1.5 ft	114 J	462 J	64.4 J	132 J	222 J
13B-0525-C1CS	1.5 - 2.5 ft	126 J	490 J	85.5 J	167 J	189 J
13B-0525-C1HS	6.42 - 7.42 ft	258	731	301	445	481 U
13B-0525-C2AS	0 - 0.5 ft	116 J	375 J	54.6 J	110 J	195 J
13B-0526-C1BS	0.5 - 1.5 ft	462 J	1370 J	794 J	1120 J	247 J
13B-0526-C1HS	6.5 - 7.62 ft	68.3 J	586	144 J	116 J	123 J
13B-0526-C2AS	0 - 0.5 ft	1060 J	4910 J	3790 J	5830 J	436 J
13B-0526-C2CS	1.5 - 2.5 ft	1250 J	3280 J	2700 J	3540 J	538 J
13B-0526-C2CT	1.5 - 2.5 ft	1180 J	2950 J	2000 J	2590 J	568 J
13B-0527-C2AS	0 - 0.5 ft	5.82	15.6	2.51	6.39	10.2

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Analytic Method		**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
Analyte		**1-Methylnaphthalene**	**1-Methylphenanthrene**	**2,3,5-Trimethylnaphthalene**	**2,6-Dimethylnaphthalene**	**2-Methylnaphthalene**
Unit		**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
Minimum Detect		**1.48**	**0.309**	**0.566**	**0.522**	**3.41**
Maximum Detect		**1800**	**12300**	**3790**	**5830**	**2190**
Mean of Detects		**237**	**975**	**297**	**374**	**301**
St. Dev. of Detects		**273**	**1360**	**530**	**678**	**304**
CV of Detects		**1.15**	**1.39**	**1.78**	**1.81**	**1.01**
% Detected		**90.4**	**97.4**	**95.2**	**96.1**	**86.9**
Sample ID	**Depth Interval**					
13B-0527-C2CS	1.5 - 2.6 ft	4.91 U	0.309 J	1.96 U	1.96 U	9.81 U
13B-0527-C3BS	0.5 - 1.5 ft	4.88 UJ	0.328 J	1.95 U	1.95 U	9.76 U
13B-0528-C3BS	0.5 - 1.5 ft	356 J	2010 J	264 J	280 J	259 J
13B-0528-C3CS	1.5 - 2.5 ft	656 J	2370 J	910 J	1130 J	423 J
13B-0528-C3LS	10.5 - 11.54 ft	759	4280	1020	1360	987 J
13B-0528-C4AS	0 - 0.5 ft	140 J	345 J	50.7 J	128 J	258 J
13B-0529-C2AS	0 - 0.5 ft	1010	2260	308	625	1470
13B-0529-C2BS	0.5 - 1.5 ft	66.8	196	34.8	52.7	92.0 J
13B-0529-C2CS	1.5 - 2.5 ft	25.3 J	593	69.5	24.3	44.9 J
13B-0529-C2ES	3.5 - 4.2 ft	15.1	30.8	7.44	9.28	25.5 J
13B-0530-C1AS	0 - 0.5 ft	50.2	157	28.4	44.3	82.9 J
13B-0530-C1BS	0.5 - 1.5 ft	73.0 J	396 J	93.4 J	124 J	111 J
13B-0530-C3CS	1.5 - 1.93 ft	70.6	526	123	97.5	103
13B-0531-C1AS	0 - 0.5 ft	354	725 J	81.5 J	186	513
13B-0531-C1AT	0 - 0.5 ft	97.1 J	384 J	56.3 J	89.6	139 J
13B-0531-C2BS	0.5 - 1.5 ft	98.1 U	132 J	22.5 J	20.5 J	196 U
13B-0531-C2CS	1.5 - 2.5 ft	64.8 J	807	40.2	46.1	150 J
13B-0531-C2ES	3.5 - 4.42 ft	41.0 J	1150	272	149	290 U
13B-0532-C1AS	0 - 0.5 ft	132	274	68.8	121	121
13B-0532-C1BS	0.5 - 1.5 ft	37.1 J	148	35.7	40.9	46.8 J
13B-0532-C1CS	1.5 - 2.5 ft	44.2 J	348	104	99.1	86.4 J
13B-0532-C1DS	2.5 - 3.73 ft	20.2	130	22.7	28.0	29.2
13B-0533-C2BS	0.5 - 1.5 ft	455 J	1730 J	504 J	743 J	434 J
13B-0533-C2CS	1.5 - 2.5 ft	615 J	1950 J	422 J	948 J	1170 J
13B-0533-C3AS	0 - 0.5 ft	143 J	382 J	62.1 J	159 J	281 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0533-C3AT	0 - 0.5 ft	140 J	349 J	57.1 J	141 J	245 J
13B-0533-C3JS	8.5 - 9.35 ft	508	1610	363	853	1060 J
13B-0533-C3JT	8.5 - 9.35 ft	507	1700	316	750	1040
13B-0534-C2BS	0.5 - 1.5 ft	292	1740	626	665	305 J
13B-0534-C2CS	1.5 - 2.5 ft	145	816	330	308	250
13B-0534-C2IS	7.5 - 8.59 ft	329	1120	318	492	626
13B-0534-G1AS	0 - 0.5 ft	82.2 J	287 J	57.7 J	98.6 J	136 J
13B-0534-G1AT	0 - 0.5 ft	108 J	355 J	94.9 J	150 J	200 J
13B-0535-C2AS	0 - 0.5 ft	180 J	448 J	86.3 J	173 J	294 J
13B-0535-C2BS	0.5 - 1.5 ft	39.4 J	54.2	19.3 J	29.6	47.6 J
13B-0535-C2CS	1.5 - 2.45 ft	7.97	8.35	4.60	8.42	11.0
13B-0536-C1BS	0.5 - 1.5 ft	61.6 J	374	62.9	88.6	151
13B-0536-C1CS	1.5 - 2.5 ft	259	1330	313	380	380 J
13B-0536-C1FS	4.28 - 5.28 ft	1800	7820	2610	3790	2190
13B-0536-C3AS	0 - 0.5 ft	276	1620	467 J	485 J	541
13B-0537-C3AS	0 - 0.5 ft	130	325	57.1	103	190
13B-0538-C2AS	0 - 0.5 ft	129 J	373 J	70.3 J	161 J	229 J
13B-0538-C3BS	0.5 - 1.5 ft	548 J	1640 J	1730 J	2010 J	442 J
13B-0538-C3CS	1.5 - 2.5 ft	667 J	1950 J	1670 J	2120 J	413 J
13B-0538-C3ES	3.5 - 4.8 ft	145 J	1480	367	380	357 J
13B-0539-C3BS	0.5 - 1.5 ft	262	1360	507	482	495
13B-0539-C3CS	1.5 - 2.5 ft	243	1120	314	371	479 J
13B-0539-C3HS	6.5 - 7.59 ft	49.4 U	64.7	19.7 U	8.50 J	98.7 U
13B-0539-G2AS	0 - 0.5 ft	163 J	760 J	216 J	258 J	342 J
13B-0539-G2AT	0 - 0.5 ft	213 J	957 J	289 J	353 J	396 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0540-C3AS	0 - 0.5 ft	190 J	818 J	256 J	277 J	311 J
13B-0540-C4BS	0.5 - 1.5 ft	148 J	580 J	189 J	261 J	281 J
13B-0540-C4CS	1.5 - 2.5 ft	159 J	1020 J	822 J	794 J	241 J
13B-0540-C4LS	10.3 - 11.25 ft	253	137	30.8	51.4	401
13B-0541-C1BS	0.5 - 1.5 ft	191 J	1240	481	537	238 J
13B-0541-C1CS	1.5 - 2.5 ft	50.4	244	72.6	123	106
13B-0541-C1FS	4.5 - 5.67 ft	4.98 U	0.328 J	1.99 U	1.99 U	9.95 U
13B-0541-C2AS	0 - 0.5 ft	215 J	878 J	315 J	359 J	211 J
13B-0542-C2AS	0 - 0.5 ft	876	12300	3600	3670	1490
13B-0542-C2BS	0.5 - 1.5 ft	261	1430	262	359	479
13B-0542-C2CS	1.5 - 2.5 ft	128 J	1150	104 J	169	350 J
13B-0542-C2HS	6.5 - 7.55 ft	4.90 U	0.980 U	1.96 U	1.96 U	9.80 U
13B-0543-G1AS	0 - 0.5 ft	125 J	592 J	84.0 J	130 J	187 J
13B-0544-C2AS	0 - 0.5 ft	79.2 J	419 J	40.9 J	92.7 J	143 J
13B-0544-C2BS	0.5 - 1.5 ft	54.8 J	216	48.6	77.7	91.0 J
13B-0544-C2CS	1.5 - 2.5 ft	75.8 J	324 J	49.6 J	91.0 J	146 J
13B-0544-C2ES	3 - 3.97 ft	113	510	154	181	190 J
13B-0546-G2AS	0 - 0.5 ft	94.3 J	813	122	125	159 J
13B-0547-C2AS	0 - 0.5 ft	341 J	1150 J	370 J	457 J	359 J
13B-0547-C2BS	0.5 - 1.5 ft	520 J	880 J	207 J	281 J	345 J
13B-0547-C2CS	1.5 - 2.05 ft	743	4980	1160	1210	872 J
13B-0548-C1IS	7.5 - 8.79 ft	4.81 U	1.77	0.575 J	0.590 J	9.62 U
13B-0548-C2AS	0 - 0.5 ft	1000	1870	437	840	1250
13B-0548-C2BS	0.5 - 1.5 ft	211	576 J	101	169	230 J
13B-0548-C2BT	0.5 - 1.5 ft	330	1030 J	169	277	340 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0548-C2CS	1.5 - 2.5 ft	92.5 J	393	76.9	131	207
13B-0549-C2AS	0 - 0.5 ft	37.0 J	163	37.3	45.2	71.9 J
13B-0549-C3BS	0.5 - 1.5 ft	511	1840	480	572	606
13B-0549-C3CS	1.5 - 2.65 ft	95.9 J	815	151	175	207 J
13B-0550-C1AS	0 - 0.5 ft	177 J	719 J	102 J	173 J	299 J
13B-0550-C3BS	0.5 - 1.5 ft	55.3 J	303	61.3	77.0	125 J
13B-0550-C3CS	1.5 - 2.5 ft	27.3 J	177	33.3 J	48.6	82.0 J
13B-0551-G2AS	0 - 0.5 ft	44.8 J	306	26.2 J	36.9 J	73.5 J
13B-0552-C1BS	0.5 - 1.5 ft	25.6 J	2040 J	30.0	31.7	34.1 J
13B-0552-C1CS	1.5 - 2.2 ft	2.75 J	17.2	1.16 J	2.76	7.44 J
13B-0552-C1CT	1.5 - 2.2 ft	20.0 U	27.1	2.43 J	3.82 J	40.0 U
13B-0552-C3AS	0 - 0.5 ft	142 J	330 J	46.0 J	105 J	175 J
13B-0553-C1AS	0 - 0.5 ft	127 J	565	205	219	210 J
13B-0553-C2BS	0.5 - 1.5 ft	146 J	685	222	293	288 J
13B-0553-C2CS	1.5 - 2.5 ft	166 J	1260	457	447	317 J
13B-0554-C1BS	0.5 - 1.5 ft	82.3 J	288	50.3 J	104	158 J
13B-0554-C1CS	1.5 - 2.5 ft	62.7 J	170	36.8	97.1	66.1 J
13B-0554-C1ES	3.5 - 4.7 ft	1.48 J	19.0	2.60	2.47	3.41 J
13B-0554-G2AS	0 - 0.5 ft	113 J	338 J	56.0 J	109 J	179 J
13B-0555-C1AS	0 - 0.5 ft	173 J	1330 J	634 J	524 J	181 J
13B-0555-C2BS	0.5 - 1.5 ft	343 J	1270 J	481 J	610 J	207 J
13B-0555-C2CS	1.5 - 2 ft	408 J	1590 J	1450 J	1560 J	211 J
13B-0555-C2DS	2 - 3 ft	242 J	795 J	42.2 J	58.0 J	204 J
13B-0556-C2AS	0 - 0.5 ft	55.6 J	186 J	30.4 J	53.7 J	80.8 J
13B-0556-C2BS	0.5 - 1.5 ft	94.9 J	334	48.3 J	105	168 J

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Analytic Method		**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
Analyte		**1-Methylnaphthalene**	**1-Methylphenanthrene**	**2,3,5-Trimethylnaphthalene**	**2,6-Dimethylnaphthalene**	**2-Methylnaphthalene**
Unit		**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
Minimum Detect		**1.48**	**0.309**	**0.566**	**0.522**	**3.41**
Maximum Detect		**1800**	**12300**	**3790**	**5830**	**2190**
Mean of Detects		**237**	**975**	**297**	**374**	**301**
St. Dev. of Detects		**273**	**1360**	**530**	**678**	**304**
CV of Detects		**1.15**	**1.39**	**1.78**	**1.81**	**1.01**
% Detected		**90.4**	**97.4**	**95.2**	**96.1**	**86.9**
Sample ID	**Depth Interval**					
13B-0556-C2CS	1.5 - 2.38 ft	50.1	142	21.3	53.0	94.3 J
13B-0557-C1AS	0 - 0.5 ft	215 J	632	102	205	291 J
13B-0557-C2BS	0.5 - 1.5 ft	178 J	655 J	112 J	202 J	238 J
13B-0557-C2CS	1.5 - 2.5 ft	320 J	1070 J	239 J	386 J	268 J
13B-0557-C2ES	3.5 - 4.5 ft	260	1060	314	381	407 J
13B-0558-C2BS	0.5 - 1.5 ft	177	741	180	233	285
13B-0558-C2CS	1.5 - 2.5 ft	98.4 J	285	91.1	154	185 J
13B-0558-C2FS	4.5 - 5.75 ft	4.86 U	2.27	1.94 U	0.770 J	9.71 U
13B-0558-C3AS	0 - 0.5 ft	160 J	1980 J	262 J	129 J	287 J
13B-0559-C2GS	5.5 - 646 ft	97.1 J	454	121	138	137 J
13B-0559-C3AS	0 - 0.5 ft	61.5 J	335	46.6 J	79.0	103 J
13B-0559-C3BS	0.5 - 1.5 ft	99.0 J	419	72.6	120	157 J
13B-0559-C3CS	1.5 - 2.5 ft	189 J	799	270	371	328 J
13B-0560-C1BS	0.5 - 1.5 ft	205	676	110	204	267 J
13B-0560-C1CS	1.5 - 2.5 ft	743 J	3030 J	548 J	644 J	887 J
13B-0560-C1GS	5.14 - 5.86 ft	3.53 J	1.11	1.96 J	1.49 J	10.1 U
13B-0560-C3AS	0 - 0.5 ft	159 J	1060	160	202	198 J
13B-0561-C1BS	0.5 - 1.5 ft	307	959	249	350	334 J
13B-0561-C1CS	1.5 - 2.5 ft	285	1440	205	226	370 J
13B-0561-C2AS	0 - 0.5 ft	404	2480	721	539	372 J
13B-0562-G2AS	0 - 0.5 ft	694	5050	868	994	776 J
13B-0563-C1AS	0 - 0.5 ft	255	341	86.0	192	318
13B-0563-C1AT	0 - 0.5 ft	137	368	98.5	138	171
13B-0563-C1BS	0.5 - 1.5 ft	41.9	63.5	16.8	27.8	27.0
13B-0563-C2CS	1.1 - 2.5 ft	891 J	3200 J	927 J	1060 J	1100 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.48	0.309	0.566	0.522	3.41
Maximum Detect		1800	12300	3790	5830	2190
Mean of Detects		237	975	297	374	301
St. Dev. of Detects		273	1360	530	678	304
CV of Detects		1.15	1.39	1.78	1.81	1.01
% Detected		90.4	97.4	95.2	96.1	86.9
Sample ID	Depth Interval					
13B-0563-C2IS	7.5 - 8.28 ft	693	2310	693	836	806
13B-0564-G2AS	0 - 0.5 ft	108 J	304 J	56.4 J	121 J	214 J
13B-0565-G1AS	0 - 0.5 ft	44.0 J	144	19.4 J	34.5	51.8 J
13B-0566-G3AS	0 - 0.5 ft	12.1 J	45.6	5.58 J	11.9 J	78.7 U
13B-0567-G2AS	0 - 0.5 ft	68.8 J	166 J	22.9 J	64.7 J	119 J
13B-0568-G2AS	0 - 0.5 ft	237 J	1130 J	249 J	217 J	166 J
13B-0571-C3BS	0.5 - 1.5 ft	15.7 J	46.1	8.45	19.3	29.8 J
13B-0571-C3CS	1.5 - 2.5 ft	4.95 U	2.00	1.98 U	0.914 J	9.90 U
13B-0571-C3MS	11 - 12 ft	4.94 U	0.989 U	1.98 U	1.98 U	9.89 U
13B-0571-C4AS	0 - 0.5 ft	139 J	561 J	71.5 J	129 J	227 J
13B-0572-C1BS	0.5 - 1.5 ft	385 J	5620	953	625	542
13B-0573-C2AS	0 - 0.5 ft	740	2410	404	644	691 J
13B-0573-C2BS	0.5 - 1.5 ft	106 J	687	54.1 J	91.7 J	164 J
13B-0573-C2CS	1.5 - 2.5 ft	66.4	143	75.6	151	126
13B-0573-C2DS	2.5 - 3.75 ft	4.96 U	1.07	0.597 J	1.28 J	9.91 U
13B-0574-C2AS	0 - 0.5 ft	186 J	1130	269	299	237 J
13B-0574-C2BS	0.5 - 1.5 ft	326 J	1750	418	504	453 J
13B-0574-C2CS	1.5 - 2.5 ft	147 J	896	508	538	181 J
13B-0574-C2HS	6.4 - 7.4 ft	440	1070	906	1040	466
13B-0575-C1AS	0 - 0.5 ft	98.5 J	428	66.5	126	155 J
13B-0575-C4BS	0.5 - 1.5 ft	43.9 J	382	219	155	78.4 J
13B-0575-C4CS	1.5 - 2.5 ft	4.84 U	3.59	4.54	3.98	9.69 U
13B-0575-C4FS	4.3 - 5.44 ft	4.72 U	0.944 U	1.34 J	0.977 J	9.44 U
13B-0577-G1AS	0 - 0.5 ft	54.6 J	246 J	28.5 J	52.8 J	97.2 J
13B-0578-C5CS	1.5 - 2.5 ft	321	2300	429	479	471

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**1-Methylnaphthalene**	**1-Methylphenanthrene**	**2,3,5-Trimethylnaphthalene**	**2,6-Dimethylnaphthalene**	**2-Methylnaphthalene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**1.48**	**0.309**	**0.566**	**0.522**	**3.41**
	Maximum Detect	**1800**	**12300**	**3790**	**5830**	**2190**
	Mean of Detects	**237**	**975**	**297**	**374**	**301**
	St. Dev. of Detects	**273**	**1360**	**530**	**678**	**304**
	CV of Detects	**1.15**	**1.39**	**1.78**	**1.81**	**1.01**
	% Detected	**90.4**	**97.4**	**95.2**	**96.1**	**86.9**
Sample ID	**Depth Interval**					
13B-0578-C5CT	1.5 - 2.5 ft	334	1930	405	497	510
13B-0578-C5GS	5.25 - 6.25 ft	197 U	639	119	117	393 U
13B-0578-C6AS	0 - 0.5 ft	114 J	771	140	164	149 J
13B-0578-C6BS	0.5 - 1.5 ft	67.6 J	407	94.8	99.0	120 J

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	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
	Minimum Detect	0.211	0.077	0.249	0.292	0.28	0.294
	Maximum Detect	5610	2130	11400	17600	27800	28200
	Mean of Detects	456	292	1100	2540	3050	3600
	St. Dev. of Detects	668	305	1560	2670	3050	3420
	CV of Detects	1.46	1.04	1.42	1.05	0.998	0.948
	% Detected	98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0501-C1AS	0 - 0.5 ft	439	271	1290	2970	3920	4600
13B-0501-C1BS	0.5 - 1.5 ft	146	99.0	336	988	1240	1390
13B-0501-C1CS	1.5 - 2.5 ft	59.0	73.3	263	867	918	1010
13B-0501-C2DS	2.5 - 3.32 ft	477	836	1390	4890	4880	4830
13B-0502-C2AS	0 - 0.5 ft	320	111	658	1950	2250	2580
13B-0502-C2BS	0.5 - 1.5 ft	414	135	990	2290	2880	3360
13B-0502-C2CS	1.5 - 2.45 ft	725	382	2020	3150 J	5360	7010
13B-0503-C1AS	0 - 0.5 ft	27.5	43.7	80.6	284	334	339
13B-0503-C1BS	0.5 - 1.5 ft	22.9	0.602 J	1.88	0.745 J	0.526 J	1.08
13B-0503-C1CS	1.5 - 2.5 ft	13.0	0.232 J	0.594 J	0.544 J	0.347 J	0.679 J
13B-0504-C2AS	0 - 0.5 ft	434 J	401 J	1600 J	2340 J	3820 J	4920 J
13B-0504-C4BS	0.5 - 1.5 ft	974 J	920 J	2570 J	6320 J	7370 J	8080 J
13B-0504-C4CS	1.5 - 2.5 ft	425	484	1280	2190 J	4030	4450
13B-0504-C4KS	9.5 - 10.25 ft	1050	422	1670	3240	2780	3090
13B-0505-C1AS	0 - 0.5 ft	253 J	316 J	910 J	2570 J	4000 J	5380 J
13B-0505-C1BS	0.5 - 1.5 ft	3160	94.3	5060	8730	6770	8210
13B-0505-C1CS	1.5 - 2.5 ft	346	339	938	2330	2650	3090
13B-0505-C1FS	4.5 - 5.2 ft	27.3	89.7	119	790	589	574
13B-0506-C2BS	0.5 - 1.5 ft	53.0	74.8	179	610	730	707
13B-0506-C2CS	1.5 - 2.5 ft	4.32	6.91	15.1	58.9	64.0	68.6
13B-0506-C3AS	0 - 0.5 ft	755 J	506 J	1110 J	3600 J	5300 J	5530 J
13B-0507-C2AS	0 - 0.5 ft	79.9	17.1	45.1	120	174	187
13B-0507-C2BS	0.5 - 1.5 ft	6.79	0.404 J	0.964 J	1.40	1.38	1.76
13B-0507-C2CS	1.5 - 2.5 ft	0.685 J	0.115 J	0.652 J	0.995 U	0.995 U	0.510 J
13B-0507-C2DS	2.5 - 3.5 ft	0.334 J	0.162 J	1.11	0.900 J	0.864 J	1.94

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.211**	**0.077**	**0.249**	**0.292**	**0.28**	**0.294**
	Maximum Detect	**5610**	**2130**	**11400**	**17600**	**27800**	**28200**
	Mean of Detects	**456**	**292**	**1100**	**2540**	**3050**	**3600**
	St. Dev. of Detects	**668**	**305**	**1560**	**2670**	**3050**	**3420**
	CV of Detects	**1.46**	**1.04**	**1.42**	**1.05**	**0.998**	**0.948**
	% Detected	**98.7**	**99.1**	**99.1**	**99.1**	**98.3**	**99.6**
Sample ID	**Depth Interval**						
13B-0508-G3AS	0 - 0.5 ft	34.5	6.55	92.6	226	258	305
13B-0509-C1BS	0.5 - 1.5 ft	187	119	462	1310	1690	2020
13B-0509-C1CS	1.5 - 2.5 ft	541	487	1210	4070	4310	5710
13B-0509-C1ES	3.17 - 4.17 ft	1480	743	2190	4770	4360	4320
13B-0509-C2AS	0 - 0.5 ft	330 J	319 J	885 J	2650 J	2870 J	3330 J
13B-0510-C1AS	0 - 0.5 ft	182	250	575	1840	2410	3140
13B-0510-C3BS	0.5 - 1.9 ft	16.4	16.0	41.7	162	206	216
13B-0511-C1AS	0 - 0.5 ft	174 J	215 J	513 J	1940 J	2890 J	3910 J
13B-0511-C3BS	0.5 - 1.5 ft	175	155	488	1730	2780	4180
13B-0511-C3CS	1.5 - 2.5 ft	228	171	621	1760	2300	2550
13B-0511-C3HS	5.95 - 6.95 ft	410	309	902	2970	2970	3670
13B-0512-G1AS	0 - 0.5 ft	102 J	168 J	439 J	1430 J	2030 J	2810 J
13B-0513-G1AS	0 - 0.5 ft	199 J	228 J	906 J	2450 J	2710 J	4220 J
13B-0514-G1AS	0 - 0.5 ft	271 J	280 J	741 J	1990 J	2830 J	3520 J
13B-0515-C1AS	0 - 0.5 ft	33.0	73.8	137	534	707	859
13B-0515-C1BS	0.5 - 1.71 ft	0.235 J	1.40	1.07	3.71	5.97	7.59
13B-0515-C2CS	1.5 - 2.19 ft	0.211 J	0.176 J	0.486 J	1.75	1.45	1.99
13B-0516-C2BS	0.5 - 1.5 ft	304 J	264 J	793 J	2190 J	3230 J	4430 J
13B-0516-C2CS	1.5 - 2.5 ft	305 J	259 J	873 J	2630 J	2870 J	3460 J
13B-0516-C2LS	10.4 - 11.4 ft	447	399	892	2670	3160	3490
13B-0516-C3AS	0 - 0.5 ft	266 J	187 J	660 J	2150 J	2990 J	4090 J
13B-0517-G2AS	0 - 0.5 ft	4.88	16.5	20.9	85.6 J	135	150
13B-0518-G1AS	0 - 0.5 ft	246	252 J	1520 J	2840 J	3870 J	4430 J
13B-0518-G1AT	0 - 0.5 ft	233	119 J	453 J	1570 J	1860 J	2260 J
13B-0519-C2BS	0.5 - 1.5 ft	271	213	735	1930 J	2740	2980

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.211**	**0.077**	**0.249**	**0.292**	**0.28**	**0.294**
	Maximum Detect	**5610**	**2130**	**11400**	**17600**	**27800**	**28200**
	Mean of Detects	**456**	**292**	**1100**	**2540**	**3050**	**3600**
	St. Dev. of Detects	**668**	**305**	**1560**	**2670**	**3050**	**3420**
	CV of Detects	**1.46**	**1.04**	**1.42**	**1.05**	**0.998**	**0.948**
	% Detected	**98.7**	**99.1**	**99.1**	**99.1**	**98.3**	**99.6**
Sample ID	**Depth Interval**						
13B-0519-C2CS	1.5 - 2.5 ft	384	364	1260	2340 J	3700	4320
13B-0519-C2RS	16.1 - 17.1 ft	0.984 U	0.0869 U	0.502 U	1.41	0.504 U	0.674 J
13B-0519-C5AS	0 - 0.5 ft	241	265	699	2170	3070	3680
13B-0520-G1AS	0 - 0.5 ft	101 J	97.0 J	341 J	1300 J	1720 J	2400 J
13B-0521-C2AS	0 - 0.5 ft	223	158	483	1280	1360	1650
13B-0521-C2BS	0.5 - 1.5 ft	81.3 J	55.9	247	644	724	860
13B-0521-C2CS	1.5 - 2.5 ft	127	73.5	311	1300	1590	1820
13B-0521-C2HS	6.5 - 7.63 ft	900 J	498 J	2060 J	5140 J	7750 J	12400 J
13B-0522-G1AS	0 - 0.5 ft	128 J	191 J	442 J	1340 J	2030 J	2950 J
13B-0522-G1AT	0 - 0.5 ft	112 J	138 J	474 J	1120 J	1720 J	2220 J
13B-0523-G2AS	0 - 0.5 ft	141 J	217 J	490 J	1520 J	2510 J	3160 J
13B-0524-C1AS	0 - 0.5 ft	2440 J	382 J	7580 J	11700 J	13400 J	14600 J
13B-0524-C1BS	0.5 - 1.5 ft	907 J	454 J	2590 J	3990 J	6390 J	7450 J
13B-0524-C1CS	1.5 - 2.5 ft	503 J	345 J	1510 J	3410 J	5730 J	7080 J
13B-0524-C1GS	5.39 - 6.39 ft	4460 J	1330 J	8220 J	13900 J	27800 J	28200 J
13B-0525-C1BS	0.5 - 1.5 ft	263 J	296 J	810 J	2260 J	3960 J	5400 J
13B-0525-C1CS	1.5 - 2.5 ft	268 J	181 J	770 J	2490 J	3450 J	4570 J
13B-0525-C1HS	6.42 - 7.42 ft	303	235	873	2410	2780	3750
13B-0525-C2AS	0 - 0.5 ft	176 J	253 J	564 J	2210 J	2960 J	4340 J
13B-0526-C1BS	0.5 - 1.5 ft	447 J	335 J	1060 J	2750 J	4550 J	6790 J
13B-0526-C1HS	6.5 - 7.62 ft	245	232	454	1450	1450	1510
13B-0526-C2AS	0 - 0.5 ft	1070 J	486 J	2810 J	6650 J	7550 J	10100 J
13B-0526-C2CS	1.5 - 2.5 ft	622 J	377 J	1840 J	4140 J	5130 J	6750 J
13B-0526-C2CT	1.5 - 2.5 ft	530 J	323 J	1790 J	4280 J	5820 J	7300 J
13B-0527-C2AS	0 - 0.5 ft	6.65	11.1	25.9	107	152	195

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.211	0.077	0.249	0.292	0.28	0.294
Maximum Detect		5610	2130	11400	17600	27800	28200
Mean of Detects		456	292	1100	2540	3050	3600
St. Dev. of Detects		668	305	1560	2670	3050	3420
CV of Detects		1.46	1.04	1.42	1.05	0.998	0.948
% Detected		98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0527-C2CS	1.5 - 2.6 ft	0.228 J	0.215 J	0.687 J	1.39	1.40	2.20
13B-0527-C3BS	0.5 - 1.5 ft	0.215 J	0.219 J	0.613 J	2.19	2.41	4.37
13B-0528-C3BS	0.5 - 1.5 ft	422 J	498 J	1370 J	4020 J	5340 J	7550 J
13B-0528-C3CS	1.5 - 2.5 ft	410 J	569 J	1430 J	5250 J	4830 J	5960 J
13B-0528-C3LS	10.5 - 11.54 ft	1640	1150	3360	6880	6320	7190
13B-0528-C4AS	0 - 0.5 ft	163 J	236 J	620 J	1950 J	3030 J	4160 J
13B-0529-C2AS	0 - 0.5 ft	2020	709	3480	7000	7940	9390
13B-0529-C2BS	0.5 - 1.5 ft	333	87.4	331	839	908	923
13B-0529-C2CS	1.5 - 2.5 ft	391	166	179	1130	1090	971
13B-0529-C2ES	3.5 - 4.2 ft	35.5	22.2	56.8	226	243	210
13B-0530-C1AS	0 - 0.5 ft	69.2	82.1	197	683	858	987
13B-0530-C1BS	0.5 - 1.5 ft	218 J	144 J	336 J	1030 J	1280 J	1890 J
13B-0530-C3CS	1.5 - 1.93 ft	168	168	322	1470	1160	1090
13B-0531-C1AS	0 - 0.5 ft	1930 J	217	3060 J	4860 J	5570 J	6120 J
13B-0531-C1AT	0 - 0.5 ft	192 J	212	556 J	2210 J	2250 J	2260 J
13B-0531-C2BS	0.5 - 1.5 ft	88.0	118	273 J	1160 J	1050 J	1080 J
13B-0531-C2CS	1.5 - 2.5 ft	98.7	292	797	1760	1750	1520
13B-0531-C2ES	3.5 - 4.42 ft	149	158	2100	3710	3090	2830
13B-0532-C1AS	0 - 0.5 ft	220	216	425	1480	1730	1810
13B-0532-C1BS	0.5 - 1.5 ft	154	53.1	223	896	1090	1300
13B-0532-C1CS	1.5 - 2.5 ft	277	96.2	318	686	905	852
13B-0532-C1DS	2.5 - 3.73 ft	38.8	24.0	83.8	203	169	169
13B-0533-C2BS	0.5 - 1.5 ft	548 J	436 J	1540 J	3440 J	5870 J	7430 J
13B-0533-C2CS	1.5 - 2.5 ft	846 J	973 J	1980 J	4010 J	6130 J	9150 J
13B-0533-C3AS	0 - 0.5 ft	174 J	289 J	672 J	1860 J	3290 J	4640 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.211	0.077	0.249	0.292	0.28	0.294
Maximum Detect		5610	2130	11400	17600	27800	28200
Mean of Detects		456	292	1100	2540	3050	3600
St. Dev. of Detects		668	305	1560	2670	3050	3420
CV of Detects		1.46	1.04	1.42	1.05	0.998	0.948
% Detected		98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0533-C3AT	0 - 0.5 ft	152 J	242 J	698 J	2910 J	3230 J	4690 J
13B-0533-C3JS	8.5 - 9.35 ft	918	976	1620	3600 J	6000	7300
13B-0533-C3JT	8.5 - 9.35 ft	748	870	1790	4470	6350	7660
13B-0534-C2BS	0.5 - 1.5 ft	406	465	942	4450	4320	6390 J
13B-0534-C2CS	1.5 - 2.5 ft	218	252	485	1950	2010	3190 J
13B-0534-C2IS	7.5 - 8.59 ft	611	516	1150	4260	5370	8410 J
13B-0534-G1AS	0 - 0.5 ft	144 J	193 J	457 J	1760 J	2270 J	2630 J
13B-0534-G1AT	0 - 0.5 ft	180 J	221 J	446 J	1340 J	1970 J	2700 J
13B-0535-C2AS	0 - 0.5 ft	1090 J	351 J	956 J	3440 J	4020 J	5920 J
13B-0535-C2BS	0.5 - 1.5 ft	587	51.4	117	458	556	638
13B-0535-C2CS	1.5 - 2.45 ft	76.4	18.4	32.6	86.2	111	123
13B-0536-C1BS	0.5 - 1.5 ft	153	172	378	1060	1310	1580
13B-0536-C1CS	1.5 - 2.5 ft	633	506	1020	3170	3450	4930
13B-0536-C1FS	4.28 - 5.28 ft	2300	2130	6130	12900	10400	11400
13B-0536-C3AS	0 - 0.5 ft	474	496	1120	3840	4270	5550
13B-0537-C3AS	0 - 0.5 ft	296	176	693	1470	1840	2090
13B-0538-C2AS	0 - 0.5 ft	216 J	213 J	612 J	2270 J	3090 J	4580 J
13B-0538-C3BS	0.5 - 1.5 ft	468 J	362 J	1700 J	4880 J	4590 J	6200 J
13B-0538-C3CS	1.5 - 2.5 ft	656 J	303 J	1910 J	3260 J	3160 J	5210 J
13B-0538-C3ES	3.5 - 4.8 ft	414	356	1200	3060	1980	1780
13B-0539-C3BS	0.5 - 1.5 ft	575	320	1030	3050	3550	4140
13B-0539-C3CS	1.5 - 2.5 ft	314	403	842	2620	3590	3930
13B-0539-C3HS	6.5 - 7.59 ft	9.97	50.0	186	545	968	600
13B-0539-G2AS	0 - 0.5 ft	200 J	290 J	525 J	1900 J	2330 J	3080 J
13B-0539-G2AT	0 - 0.5 ft	242 J	312 J	679 J	1760 J	2720 J	3640 J

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.211**	**0.077**	**0.249**	**0.292**	**0.28**	**0.294**
	Maximum Detect	**5610**	**2130**	**11400**	**17600**	**27800**	**28200**
	Mean of Detects	**456**	**292**	**1100**	**2540**	**3050**	**3600**
	St. Dev. of Detects	**668**	**305**	**1560**	**2670**	**3050**	**3420**
	CV of Detects	**1.46**	**1.04**	**1.42**	**1.05**	**0.998**	**0.948**
	% Detected	**98.7**	**99.1**	**99.1**	**99.1**	**98.3**	**99.6**
Sample ID	**Depth Interval**						
13B-0540-C3AS	0 - 0.5 ft	393 J	338 J	1050 J	3710 J	4290 J	6950 J
13B-0540-C4BS	0.5 - 1.5 ft	226 J	265 J	819 J	2510 J	3250 J	4020 J
13B-0540-C4CS	1.5 - 2.5 ft	422 J	350 J	1940 J	3980 J	3830 J	5260 J
13B-0540-C4LS	10.3 - 11.25 ft	290	79.3	153	420	410	400
13B-0541-C1BS	0.5 - 1.5 ft	874	290	1440	1870	2290	2600
13B-0541-C1CS	1.5 - 2.5 ft	252	115	302	781	911	1060
13B-0541-C1FS	4.5 - 5.67 ft	0.248 J	0.224 J	0.462 J	0.690 J	0.611 J	0.694 J
13B-0541-C2AS	0 - 0.5 ft	354 J	334 J	924 J	1820 J	3300 J	4140 J
13B-0542-C2AS	0 - 0.5 ft	5610	1650	9190	15600	11200	11200
13B-0542-C2BS	0.5 - 1.5 ft	895	383	1310	3020	3120	2470
13B-0542-C2CS	1.5 - 2.5 ft	867	576	2780	6090	7230	5650
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.0770 J	0.249 J	0.292 J	0.280 J	0.294 J
13B-0543-G1AS	0 - 0.5 ft	383 J	219 J	1120 J	3460 J	4050 J	5660 J
13B-0544-C2AS	0 - 0.5 ft	243 J	142 J	947 J	2210 J	3110 J	4170 J
13B-0544-C2BS	0.5 - 1.5 ft	157	100	434	993	1340	1510
13B-0544-C2CS	1.5 - 2.5 ft	188 J	157 J	484 J	1260 J	1820 J	2300 J
13B-0544-C2ES	3 - 3.97 ft	394	148	410	951	1180	1370
13B-0546-G2AS	0 - 0.5 ft	172	396	678	1900	1810	1420
13B-0547-C2AS	0 - 0.5 ft	396 J	425 J	964 J	1690 J	2960 J	3960 J
13B-0547-C2BS	0.5 - 1.5 ft	324 J	295 J	710 J	1400 J	2210 J	2850 J
13B-0547-C2CS	1.5 - 2.05 ft	1050	1410	11400	9940	12400	13000
13B-0548-C1IS	7.5 - 8.79 ft	0.858 J	0.415 J	1.20	1.69	1.36	1.61
13B-0548-C2AS	0 - 0.5 ft	1480	855	2140	3810	6000	5230
13B-0548-C2BS	0.5 - 1.5 ft	337 J	298	646 J	1850 J	2540 J	2690 J
13B-0548-C2BT	0.5 - 1.5 ft	669 J	387	1580 J	3200 J	4600 J	5310 J

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	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
	Minimum Detect	0.211	0.077	0.249	0.292	0.28	0.294
	Maximum Detect	5610	2130	11400	17600	27800	28200
	Mean of Detects	456	292	1100	2540	3050	3600
	St. Dev. of Detects	668	305	1560	2670	3050	3420
	CV of Detects	1.46	1.04	1.42	1.05	0.998	0.948
	% Detected	98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0548-C2CS	1.5 - 2.5 ft	189	240	435	1180	1470	1510
13B-0549-C2AS	0 - 0.5 ft	137	93.4	200	641	846	895
13B-0549-C3BS	0.5 - 1.5 ft	1140	376	1270	2170	1960	2110
13B-0549-C3CS	1.5 - 2.65 ft	316	152	959	1520	1440	1170
13B-0550-C1AS	0 - 0.5 ft	318 J	403 J	893 J	4190 J	4430 J	5680 J
13B-0550-C3BS	0.5 - 1.5 ft	149	171	514	2180	1850	1990
13B-0550-C3CS	1.5 - 2.5 ft	104	90.8	675	2470	2150	1750
13B-0551-G2AS	0 - 0.5 ft	107	103	412	1620	1970	2760
13B-0552-C1BS	0.5 - 1.5 ft	56.4	26.2	76.7	163 J	210 J	209 J
13B-0552-C1CS	1.5 - 2.2 ft	2.07	18.5	28.2	66.6 J	142	73.1
13B-0552-C1CT	1.5 - 2.2 ft	5.28	23.6	20.5	118 J	170	104
13B-0552-C3AS	0 - 0.5 ft	311 J	160 J	695 J	1540 J	2290 J	2540 J
13B-0553-C1AS	0 - 0.5 ft	348	158	483	1460	1770	2140
13B-0553-C2BS	0.5 - 1.5 ft	293	236	662	1830	2190	2770
13B-0553-C2CS	1.5 - 2.5 ft	391	396	779	2970	2150	3910
13B-0554-C1BS	0.5 - 1.5 ft	163	156	529	1870	2320	3360
13B-0554-C1CS	1.5 - 2.5 ft	101	87.5	307	1060	1330	2040
13B-0554-C1ES	3.5 - 4.7 ft	2.12	4.74	30.6	101	95.6	110
13B-0554-G2AS	0 - 0.5 ft	147 J	202 J	424 J	1680 J	2140 J	2640 J
13B-0555-C1AS	0 - 0.5 ft	420 J	328 J	1170 J	2720 J	3220 J	4760 J
13B-0555-C2BS	0.5 - 1.5 ft	419 J	298 J	1070 J	3310 J	3360 J	4830 J
13B-0555-C2CS	1.5 - 2 ft	372 J	249 J	1120 J	2380 J	2720 J	3440 J
13B-0555-C2DS	2 - 3 ft	244 J	288 J	705 J	1750 J	2690 J	3320 J
13B-0556-C2AS	0 - 0.5 ft	135 J	82.0 J	358 J	1210 J	1490 J	1880 J
13B-0556-C2BS	0.5 - 1.5 ft	189	207	514	1970	2770	3150

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.211	0.077	0.249	0.292	0.28	0.294
Maximum Detect		5610	2130	11400	17600	27800	28200
Mean of Detects		456	292	1100	2540	3050	3600
St. Dev. of Detects		668	305	1560	2670	3050	3420
CV of Detects		1.46	1.04	1.42	1.05	0.998	0.948
% Detected		98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0556-C2CS	1.5 - 2.38 ft	71.7	111	257	909	1110	1190
13B-0557-C1AS	0 - 0.5 ft	426	366	997	2620	3910	4400
13B-0557-C2BS	0.5 - 1.5 ft	347 J	232 J	817 J	4580 J	3240 J	4520 J
13B-0557-C2CS	1.5 - 2.5 ft	571 J	416 J	1320 J	3060 J	4530 J	5150 J
13B-0557-C2ES	3.5 - 4.5 ft	628	469	1430	2280 J	3640	4100
13B-0558-C2BS	0.5 - 1.5 ft	396	273	602	1920	2160	2490
13B-0558-C2CS	1.5 - 2.5 ft	185	184	350	1090	1380	1710
13B-0558-C2FS	4.5 - 5.75 ft	0.466 J	3.12	2.94	10.0	12.1	12.2
13B-0558-C3AS	0 - 0.5 ft	256 J	669 J	831 J	2620 J	3390 J	3550 J
13B-0559-C2GS	5.5 - 646 ft	297	177	608	1250	1550	1620
13B-0559-C3AS	0 - 0.5 ft	196	139	546	1540	2060	2580
13B-0559-C3BS	0.5 - 1.5 ft	231	159	529	1850	2500	3260
13B-0559-C3CS	1.5 - 2.5 ft	302	208	861	3600	4280	5610
13B-0560-C1BS	0.5 - 1.5 ft	672	308	1400	2870	4280	4760
13B-0560-C1CS	1.5 - 2.5 ft	2360 J	1040 J	5820 J	9330 J	10100 J	11400 J
13B-0560-C1GS	5.14 - 5.86 ft	12.5	0.452 J	1.43	1.45	1.47	2.29
13B-0560-C3AS	0 - 0.5 ft	295	898	1170	4910	4390	4230
13B-0561-C1BS	0.5 - 1.5 ft	754	548	1310	4160	4240	5400
13B-0561-C1CS	1.5 - 2.5 ft	715	708	1490	4390	4870	5490
13B-0561-C2AS	0 - 0.5 ft	1360	763	2590	5580	6630	8450
13B-0562-G2AS	0 - 0.5 ft	2070	1660	7430	17600	17100	18100
13B-0563-C1AS	0 - 0.5 ft	216	165	416	997	1220	1230
13B-0563-C1AT	0 - 0.5 ft	197	195	367	948	1210	1250
13B-0563-C1BS	0.5 - 1.5 ft	50.9	30.2	59.0	136	179	185
13B-0563-C2CS	1.1 - 2.5 ft	1630 J	722 J	2890 J	7370 J	8810 J	11800 J

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	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
	Minimum Detect	0.211	0.077	0.249	0.292	0.28	0.294
	Maximum Detect	5610	2130	11400	17600	27800	28200
	Mean of Detects	456	292	1100	2540	3050	3600
	St. Dev. of Detects	668	305	1560	2670	3050	3420
	CV of Detects	1.46	1.04	1.42	1.05	0.998	0.948
	% Detected	98.7	99.1	99.1	99.1	98.3	99.6
Sample ID	Depth Interval						
13B-0563-C2IS	7.5 - 8.28 ft	1240	760	1740	2790	3250	3210
13B-0564-G2AS	0 - 0.5 ft	116 J	179 J	416 J	1540 J	2330 J	3300 J
13B-0565-G1AS	0 - 0.5 ft	123	50.0	371	1070	1240	1660
13B-0566-G3AS	0 - 0.5 ft	36.4	16.1	121	414	509	770
13B-0567-G2AS	0 - 0.5 ft	87.5 J	118 J	303 J	959 J	1470 J	1930 J
13B-0568-G2AS	0 - 0.5 ft	326 J	225 J	678 J	1510 J	2490 J	3180 J
13B-0571-C3BS	0.5 - 1.5 ft	41.8	26.3	74.1	254	355	440
13B-0571-C3CS	1.5 - 2.5 ft	0.819 J	1.42	2.41	6.93	8.85	13.1
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	0.989 U	0.989 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	213 J	348 J	776 J	2900 J	4290 J	5680 J
13B-0572-C1BS	0.5 - 1.5 ft	1180	801	1710	10000	5540 J	5890
13B-0573-C2AS	0 - 0.5 ft	2870	579	8320	14000	12700	13700
13B-0573-C2BS	0.5 - 1.5 ft	428	179	2570	4350	4900	5730
13B-0573-C2CS	1.5 - 2.5 ft	79.7	71.3	242	709	1030	1010
13B-0573-C2DS	2.5 - 3.75 ft	2.35	0.472 J	1.89	3.25	3.05	3.74
13B-0574-C2AS	0 - 0.5 ft	555	359	1430	2230	3180	3350
13B-0574-C2BS	0.5 - 1.5 ft	1450	730	2900	4750	5080	5900
13B-0574-C2CS	1.5 - 2.5 ft	923	198	1180	1410	2080	2380
13B-0574-C2HS	6.4 - 7.4 ft	599	344	1100	1950	2500	2750
13B-0575-C1AS	0 - 0.5 ft	204	173	610	1820	2810	3200
13B-0575-C4BS	0.5 - 1.5 ft	110	90.8	341	615	1040	958
13B-0575-C4CS	1.5 - 2.5 ft	14.1	1.03	3.94	3.50	6.52	6.33
13B-0575-C4FS	4.3 - 5.44 ft	1.32	0.361 J	0.768 J	0.582 J	0.543 U	0.890 J
13B-0577-G1AS	0 - 0.5 ft	96.4 J	92.8 J	410 J	1690 J	3150 J	3870 J
13B-0578-C5CS	1.5 - 2.5 ft	815	400	1470	3220	4400	4910

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.211**	**0.077**	**0.249**	**0.292**	**0.28**	**0.294**
	Maximum Detect	**5610**	**2130**	**11400**	**17600**	**27800**	**28200**
	Mean of Detects	**456**	**292**	**1100**	**2540**	**3050**	**3600**
	St. Dev. of Detects	**668**	**305**	**1560**	**2670**	**3050**	**3420**
	CV of Detects	**1.46**	**1.04**	**1.42**	**1.05**	**0.998**	**0.948**
	% Detected	**98.7**	**99.1**	**99.1**	**99.1**	**98.3**	**99.6**
Sample ID	**Depth Interval**						
13B-0578-C5CT	1.5 - 2.5 ft	799	447	1430	3150 J	3910	4660
13B-0578-C5GS	5.25 - 6.25 ft	92.4	172	2680	3890	4160	3780
13B-0578-C6AS	0 - 0.5 ft	288	265	1210	2370	2850	2850
13B-0578-C6BS	0.5 - 1.5 ft	164 J	93.5 J	284 J	697 J	854 J	949 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	2550	2150	2170	3080	367
13B-0501-C1BS	0.5 - 1.5 ft	887	691	684	1040	144
13B-0501-C1CS	1.5 - 2.5 ft	635	520	492	961	126
13B-0501-C2DS	2.5 - 3.32 ft	2880	2070 J	1960	5700	617
13B-0502-C2AS	0 - 0.5 ft	1470	1120	1150	1370	200
13B-0502-C2BS	0.5 - 1.5 ft	1860	1510	1680	1610	283
13B-0502-C2CS	1.5 - 2.45 ft	3630	2980	3050	3190	846
13B-0503-C1AS	0 - 0.5 ft	223	179	160	431	68.2
13B-0503-C1BS	0.5 - 1.5 ft	0.546 J	0.593 U	0.370 J	0.958 U	5.42
13B-0503-C1CS	1.5 - 2.5 ft	0.519 J	0.405 U	0.258 J	0.979 U	2.02
13B-0504-C2AS	0 - 0.5 ft	2860 J	2600 J	2720 J	4370 J	1620 J
13B-0504-C4BS	0.5 - 1.5 ft	5410 J	4800 J	3890 J	8780 J	4030 J
13B-0504-C4CS	1.5 - 2.5 ft	2740	2340	2890	4410	1300
13B-0504-C4KS	9.5 - 10.25 ft	1770	1460	1730	2720	795
13B-0505-C1AS	0 - 0.5 ft	3020 J	2830 J	2750 J	2280 J	280 J
13B-0505-C1BS	0.5 - 1.5 ft	4260	3780	2760	3870	935
13B-0505-C1CS	1.5 - 2.5 ft	1960	1680	1460	2520	527
13B-0505-C1FS	4.5 - 5.2 ft	346	263	207	714	149
13B-0506-C2BS	0.5 - 1.5 ft	498	359	372	778	96.6
13B-0506-C2CS	1.5 - 2.5 ft	44.9	34.0	31.1	68.0	9.95
13B-0506-C3AS	0 - 0.5 ft	3620 J	2570 J	1990 J	3730 J	510 J
13B-0507-C2AS	0 - 0.5 ft	130	97.0	84.5	139	24.5
13B-0507-C2BS	0.5 - 1.5 ft	1.13	1.02	0.688 J	1.89	0.966 U
13B-0507-C2CS	1.5 - 2.5 ft	0.272 J	0.320 J	0.995 U	0.995 U	0.995 U
13B-0507-C2DS	2.5 - 3.5 ft	1.01	1.08	0.433 J	1.77	0.993 U

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0508-G3AS	0 - 0.5 ft	192	155	157	153	10.9
13B-0509-C1BS	0.5 - 1.5 ft	1240	1010	893	1270	307
13B-0509-C1CS	1.5 - 2.5 ft	3100	2640	2430	3970	828
13B-0509-C1ES	3.17 - 4.17 ft	2940	2190	1850	7010	1700
13B-0509-C2AS	0 - 0.5 ft	2380 J	1750 J	1470 J	2780 J	706 J
13B-0510-C1AS	0 - 0.5 ft	1580	1600	1860	2350	250
13B-0510-C3BS	0.5 - 1.9 ft	142	109	100	167	14.7
13B-0511-C1AS	0 - 0.5 ft	2410 J	1810 J	1320 J	2590 J	208 J
13B-0511-C3BS	0.5 - 1.5 ft	2340	1790	1370	2430	177
13B-0511-C3CS	1.5 - 2.5 ft	1930	1410	1290	2280	434
13B-0511-C3HS	5.95 - 6.95 ft	2270	1690	1400	4330	1040
13B-0512-G1AS	0 - 0.5 ft	1460 J	1640 J	1430 J	1870 J	164 J
13B-0513-G1AS	0 - 0.5 ft	2260 J	1960 J	1980 J	2850 J	529 J
13B-0514-G1AS	0 - 0.5 ft	1860 J	2040 J	1840 J	3450 J	407 J
13B-0515-C1AS	0 - 0.5 ft	579	436	360	713	96.7
13B-0515-C1BS	0.5 - 1.71 ft	5.27	4.36	2.37	6.91	0.989 U
13B-0515-C2CS	1.5 - 2.19 ft	1.60	0.980 J	0.634 J	2.33	0.987 U
13B-0516-C2BS	0.5 - 1.5 ft	2510 J	2320 J	2190 J	2740 J	340 J
13B-0516-C2CS	1.5 - 2.5 ft	2300 J	2060 J	1630 J	2740 J	631 J
13B-0516-C2LS	10.4 - 11.4 ft	2350	1620	1400	3680	1110
13B-0516-C3AS	0 - 0.5 ft	2330 J	1790 J	1400 J	2000 J	231 J
13B-0517-G2AS	0 - 0.5 ft	96.8	98.1	72.7	131	11.8
13B-0518-G1AS	0 - 0.5 ft	2500 J	2020 J	1400	1680	180
13B-0518-G1AT	0 - 0.5 ft	1340 J	1010 J	1090	1190	107
13B-0519-C2BS	0.5 - 1.5 ft	1700	1780	1700	2210	296

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0519-C2CS	1.5 - 2.5 ft	2550	2830	2850	3900	818
13B-0519-C2RS	16.1 - 17.1 ft	0.411 U	0.240 U	0.251 U	1.54	0.984 U
13B-0519-C5AS	0 - 0.5 ft	1920	2040	1510	1920	224
13B-0520-G1AS	0 - 0.5 ft	1400 J	1080 J	791 J	1290 J	114 J
13B-0521-C2AS	0 - 0.5 ft	900	772	572	1080	131
13B-0521-C2BS	0.5 - 1.5 ft	502	375	295	606	67.5
13B-0521-C2CS	1.5 - 2.5 ft	1170	880	837	1130	105
13B-0521-C2HS	6.5 - 7.63 ft	6690 J	4850 J	10900 J	8650 J	2500 J
13B-0522-G1AS	0 - 0.5 ft	1720 J	1330 J	1050 J	1500 J	165 J
13B-0522-G1AT	0 - 0.5 ft	1460 J	1160 J	1100 J	1470 J	129 J
13B-0523-G2AS	0 - 0.5 ft	1900 J	1830 J	1590 J	2110 J	181 J
13B-0524-C1AS	0 - 0.5 ft	8250 J	6260 J	6460 J	7180 J	814 J
13B-0524-C1BS	0.5 - 1.5 ft	4400 J	2960 J	2820 J	3860 J	1140 J
13B-0524-C1CS	1.5 - 2.5 ft	4000 J	2780 J	2670 J	4130 J	641 J
13B-0524-C1GS	5.39 - 6.39 ft	17400 J	11600 J	11900 J	13800 J	2940 J
13B-0525-C1BS	0.5 - 1.5 ft	3040 J	2380 J	1840 J	2920 J	280 J
13B-0525-C1CS	1.5 - 2.5 ft	2530 J	2140 J	1850 J	2530 J	309 J
13B-0525-C1HS	6.42 - 7.42 ft	2100	1950	1390	2510	539
13B-0525-C2AS	0 - 0.5 ft	2330 J	1950 J	1380 J	2150 J	231 J
13B-0526-C1BS	0.5 - 1.5 ft	4050 J	3650 J	3450 J	5020 J	1330 J
13B-0526-C1HS	6.5 - 7.62 ft	957	673	550	1950	420
13B-0526-C2AS	0 - 0.5 ft	6380 J	5210 J	4930 J	9860 J	5180 J
13B-0526-C2CS	1.5 - 2.5 ft	4370 J	4020 J	3930 J	6700 J	2730 J
13B-0526-C2CT	1.5 - 2.5 ft	5060 J	4660 J	4060 J	6230 J	3450 J
13B-0527-C2AS	0 - 0.5 ft	132	112	87.9	121	9.58

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0527-C2CS	1.5 - 2.6 ft	1.28	1.22	0.611 J	1.62	0.981 U
13B-0527-C3BS	0.5 - 1.5 ft	2.53	2.38	1.24	3.03	0.976 U
13B-0528-C3BS	0.5 - 1.5 ft	4580 J	4350 J	3260 J	5060 J	1800 J
13B-0528-C3CS	1.5 - 2.5 ft	3900 J	3700 J	3480 J	5320 J	1870 J
13B-0528-C3LS	10.5 - 11.54 ft	4230	3100	3210	7950	1730
13B-0528-C4AS	0 - 0.5 ft	2580 J	2100 J	1760 J	2110 J	202 J
13B-0529-C2AS	0 - 0.5 ft	4950	3670	3400	10900	972
13B-0529-C2BS	0.5 - 1.5 ft	576	446	438	868	123
13B-0529-C2CS	1.5 - 2.5 ft	646	413	367	1790	226
13B-0529-C2ES	3.5 - 4.2 ft	151	115	90.4	231	36.0
13B-0530-C1AS	0 - 0.5 ft	536	531	510	899	77.4
13B-0530-C1BS	0.5 - 1.5 ft	872 J	981 J	772 J	1500 J	202 J
13B-0530-C3CS	1.5 - 1.93 ft	627	641	553	1670	275
13B-0531-C1AS	0 - 0.5 ft	3510 J	2690 J	2610 J	3880 J	356 J
13B-0531-C1AT	0 - 0.5 ft	1430 J	1100 J	1140 J	1830 J	207 J
13B-0531-C2BS	0.5 - 1.5 ft	709 J	461 J	460 J	895	193
13B-0531-C2CS	1.5 - 2.5 ft	971	687	500	2080	364
13B-0531-C2ES	3.5 - 4.42 ft	1700	1300	1380	3440	294
13B-0532-C1AS	0 - 0.5 ft	1180	948	922	1940	180
13B-0532-C1BS	0.5 - 1.5 ft	795	634	434	756	100
13B-0532-C1CS	1.5 - 2.5 ft	666	446	401	1020	231
13B-0532-C1DS	2.5 - 3.73 ft	107	67.2	56.0	257	81.9
13B-0533-C2BS	0.5 - 1.5 ft	4970 J	4020 J	4040 J	5920 J	1670 J
13B-0533-C2CS	1.5 - 2.5 ft	4220 J	3720 J	5410 J	6800 J	956 J
13B-0533-C3AS	0 - 0.5 ft	2690 J	2220 J	1800 J	2150 J	246 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0533-C3AT	0 - 0.5 ft	2630 J	2190 J	1840 J	2890 J	233 J
13B-0533-C3JS	8.5 - 9.35 ft	4450	3060 J	3790	6360	878
13B-0533-C3JT	8.5 - 9.35 ft	4540	3430	4280	5650	859
13B-0534-C2BS	0.5 - 1.5 ft	3200	2440	6740 J	6460	1270
13B-0534-C2CS	1.5 - 2.5 ft	1500	1270	3400 J	2430	541
13B-0534-C2IS	7.5 - 8.59 ft	4090	3160	8260 J	5650	718
13B-0534-G1AS	0 - 0.5 ft	1740 J	1410 J	1240 J	2010 J	234 J
13B-0534-G1AT	0 - 0.5 ft	1500 J	1260 J	934 J	2210 J	258 J
13B-0535-C2AS	0 - 0.5 ft	3150 J	2640 J	1750 J	3960 J	320 J
13B-0535-C2BS	0.5 - 1.5 ft	389	295	242	539	69.3
13B-0535-C2CS	1.5 - 2.45 ft	79.8	67.5	54.3	91.1	13.4
13B-0536-C1BS	0.5 - 1.5 ft	937	770	528	1300	237
13B-0536-C1CS	1.5 - 2.5 ft	2560	2150	1990	3880	776
13B-0536-C1FS	4.28 - 5.28 ft	6450	4640	12000	13100	2090
13B-0536-C3AS	0 - 0.5 ft	3190	2520	3080	4180	896
13B-0537-C3AS	0 - 0.5 ft	1080	1040	912	1660	193
13B-0538-C2AS	0 - 0.5 ft	2680 J	2360 J	1890 J	2670 J	237 J
13B-0538-C3BS	0.5 - 1.5 ft	3730 J	3960 J	2860 J	4790 J	2830 J
13B-0538-C3CS	1.5 - 2.5 ft	2510 J	2490 J	1870 J	3430 J	3240 J
13B-0538-C3ES	3.5 - 4.8 ft	1190	946	793	1960	323
13B-0539-C3BS	0.5 - 1.5 ft	2250	2290	2160	4270	835
13B-0539-C3CS	1.5 - 2.5 ft	2380	2320	2380	4240	728
13B-0539-C3HS	6.5 - 7.59 ft	514	556	321	343	18.9
13B-0539-G2AS	0 - 0.5 ft	1670 J	1760 J	1330 J	3050 J	602 J
13B-0539-G2AT	0 - 0.5 ft	1960 J	2250 J	1560 J	3770 J	741 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0540-C3AS	0 - 0.5 ft	3470 J	2940 J	2410 J	3900 J	667 J
13B-0540-C4BS	0.5 - 1.5 ft	2490 J	1830 J	1720 J	2200 J	392 J
13B-0540-C4CS	1.5 - 2.5 ft	3070 J	3000 J	2850 J	3760 J	1400 J
13B-0540-C4LS	10.3 - 11.25 ft	266	192	144	498	104
13B-0541-C1BS	0.5 - 1.5 ft	1660	1200	1250	2780	665
13B-0541-C1CS	1.5 - 2.5 ft	701	521	389	925	196
13B-0541-C1FS	4.5 - 5.67 ft	0.428 J	0.460 J	0.387 J	0.995 U	0.995 U
13B-0541-C2AS	0 - 0.5 ft	2790 J	2380 J	2180 J	3980 J	948 J
13B-0542-C2AS	0 - 0.5 ft	7000	4760	5160	10700	1820
13B-0542-C2BS	0.5 - 1.5 ft	1960	1450	1180	3260	530
13B-0542-C2CS	1.5 - 2.5 ft	4230	3690	1980	3870	347
13B-0542-C2HS	6.5 - 7.55 ft	0.306 J	0.274 J	0.980 U	0.980 U	0.980 U
13B-0543-G1AS	0 - 0.5 ft	3030 J	2370 J	1870 J	2550 J	275 J
13B-0544-C2AS	0 - 0.5 ft	2030 J	1760 J	1670 J	2050 J	213 J
13B-0544-C2BS	0.5 - 1.5 ft	883	880	731	950	132
13B-0544-C2CS	1.5 - 2.5 ft	1220 J	1310 J	1020 J	1740 J	196 J
13B-0544-C2ES	3 - 3.97 ft	776	738	583	1340	320
13B-0546-G2AS	0 - 0.5 ft	983	826	699	2920	467
13B-0547-C2AS	0 - 0.5 ft	2180 J	2280 J	1400 J	5020 J	1140 J
13B-0547-C2BS	0.5 - 1.5 ft	1540 J	1690 J	1360 J	3430 J	587 J
13B-0547-C2CS	1.5 - 2.05 ft	6430	5930	6860	15500	2030
13B-0548-C1IS	7.5 - 8.79 ft	0.917 J	1.08	0.574 J	3.01	1.18
13B-0548-C2AS	0 - 0.5 ft	3410	2550	2480	4760	726
13B-0548-C2BS	0.5 - 1.5 ft	1560 J	1590	1430	2250 J	309
13B-0548-C2BT	0.5 - 1.5 ft	2770 J	2660	2270	4580 J	466

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0548-C2CS	1.5 - 2.5 ft	927	841	902	1660	276
13B-0549-C2AS	0 - 0.5 ft	546	556	481	819	107
13B-0549-C3BS	0.5 - 1.5 ft	1150	1100	969	2880	740
13B-0549-C3CS	1.5 - 2.65 ft	778	671	752	1580	345
13B-0550-C1AS	0 - 0.5 ft	3110 J	2780 J	2350 J	2870 J	382 J
13B-0550-C3BS	0.5 - 1.5 ft	1200	1120	786	1060	171
13B-0550-C3CS	1.5 - 2.5 ft	1250	1110	954	1050	80.8
13B-0551-G2AS	0 - 0.5 ft	1330	1450	1330	1600	128
13B-0552-C1BS	0.5 - 1.5 ft	130 J	110 J	88.5 J	234	72.2
13B-0552-C1CS	1.5 - 2.2 ft	84.5	73.8	38.8	65.5 J	6.62 J
13B-0552-C1CT	1.5 - 2.2 ft	111	81.8	53.9	156 J	17.4 J
13B-0552-C3AS	0 - 0.5 ft	1490 J	1600 J	1420 J	1660 J	168 J
13B-0553-C1AS	0 - 0.5 ft	1360	1070	954	1610	417
13B-0553-C2BS	0.5 - 1.5 ft	1640	1440	1380	2260	484
13B-0553-C2CS	1.5 - 2.5 ft	1700	1530	1760	2940	1240
13B-0554-C1BS	0.5 - 1.5 ft	1960	1440	1200	1730	178
13B-0554-C1CS	1.5 - 2.5 ft	1090	971	707	1030	154
13B-0554-C1ES	3.5 - 4.7 ft	58.8	39.8	38.4	77.0	5.49
13B-0554-G2AS	0 - 0.5 ft	1660 J	1410 J	1140 J	1530 J	193 J
13B-0555-C1AS	0 - 0.5 ft	2720 J	2350 J	1860 J	4680 J	1270 J
13B-0555-C2BS	0.5 - 1.5 ft	2860 J	2240 J	2200 J	4500 J	1340 J
13B-0555-C2CS	1.5 - 2 ft	2320 J	1770 J	1770 J	3900 J	2220 J
13B-0555-C2DS	2 - 3 ft	2250 J	2030 J	1710 J	3940 J	835 J
13B-0556-C2AS	0 - 0.5 ft	1140 J	940 J	834 J	1110 J	108 J
13B-0556-C2BS	0.5 - 1.5 ft	2070	1590	1380	2700	225

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Benzo(E)pyrene**	**Benzo(g,h,i)perylene**	**Benzo(k)fluoranthene**	**C1-Benzanthracene/chrysenes**	**C1-Dibenzothiophenes**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.272**	**0.274**	**0.258**	**1.36**	**1.01**
	Maximum Detect	**17400**	**11600**	**12000**	**15500**	**5180**
	Mean of Detects	**2110**	**1780**	**1760**	**2900**	**618**
	St. Dev. of Detects	**1960**	**1520**	**1860**	**2620**	**757**
	CV of Detects	**0.929**	**0.855**	**1.06**	**0.901**	**1.22**
	% Detected	**99.1**	**97.8**	**98.3**	**97.4**	**95.2**
Sample ID	**Depth Interval**					
13B-0556-C2CS	1.5 - 2.38 ft	783	667	552	1020	95.5
13B-0557-C1AS	0 - 0.5 ft	2840	2230	2440	3150	372
13B-0557-C2BS	0.5 - 1.5 ft	2480 J	2030 J	1860 J	3240 J	417 J
13B-0557-C2CS	1.5 - 2.5 ft	3260 J	2620 J	2490 J	4550 J	704 J
13B-0557-C2ES	3.5 - 4.5 ft	2650	1870	2020	3810	946
13B-0558-C2BS	0.5 - 1.5 ft	1590	1250	970	2590	468
13B-0558-C2CS	1.5 - 2.5 ft	1060	840	650	1710	264
13B-0558-C2FS	4.5 - 5.75 ft	8.39	7.73	5.90	13.1	1.31
13B-0558-C3AS	0 - 0.5 ft	2200 J	1670 J	1220 J	4090 J	1510 J
13B-0559-C2GS	5.5 - 646 ft	1060	819	856	1280	365
13B-0559-C3AS	0 - 0.5 ft	1410	1150	1030	1260	177
13B-0559-C3BS	0.5 - 1.5 ft	1820	1370	3190	1810	228
13B-0559-C3CS	1.5 - 2.5 ft	3080	2630	2040	3320	619
13B-0560-C1BS	0.5 - 1.5 ft	2690	2380	2400	2380	358
13B-0560-C1CS	1.5 - 2.5 ft	6000 J	5040 J	4440 J	9600 J	1450 J
13B-0560-C1GS	5.14 - 5.86 ft	1.40	1.42	0.774 J	1.50	1.01
13B-0560-C3AS	0 - 0.5 ft	2660	2100	1850	5910	538
13B-0561-C1BS	0.5 - 1.5 ft	3210	2570	2690	5040	1140
13B-0561-C1CS	1.5 - 2.5 ft	3250	2540 J	2600	4220	1260
13B-0561-C2AS	0 - 0.5 ft	4700	3540 J	3920	7100	1660
13B-0562-G2AS	0 - 0.5 ft	9350	7460	8120	9090	1240
13B-0563-C1AS	0 - 0.5 ft	715	694	553	1450	176
13B-0563-C1AT	0 - 0.5 ft	694	689	626	2110	188
13B-0563-C1BS	0.5 - 1.5 ft	113	123	89.0	194	35.7
13B-0563-C2CS	1.1 - 2.5 ft	6170 J	6450 J	6320 J	10100 J	2920 J

APPENDIX I
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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Benzo(E)pyrene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.272	0.274	0.258	1.36	1.01
Maximum Detect		17400	11600	12000	15500	5180
Mean of Detects		2110	1780	1760	2900	618
St. Dev. of Detects		1960	1520	1860	2620	757
CV of Detects		0.929	0.855	1.06	0.901	1.22
% Detected		99.1	97.8	98.3	97.4	95.2
Sample ID	Depth Interval					
13B-0563-C2IS	7.5 - 8.28 ft	1790	1880	1730	4320	1100
13B-0564-G2AS	0 - 0.5 ft	1760 J	1930 J	1410 J	2120 J	164 J
13B-0565-G1AS	0 - 0.5 ft	952	774	769	988	71.5
13B-0566-G3AS	0 - 0.5 ft	402	342	286	348	23.9
13B-0567-G2AS	0 - 0.5 ft	1280 J	1030 J	947 J	1360 J	101 J
13B-0568-G2AS	0 - 0.5 ft	2030 J	1710 J	1610 J	2800 J	1130 J
13B-0571-C3BS	0.5 - 1.5 ft	300	270	187	259	30.8
13B-0571-C3CS	1.5 - 2.5 ft	7.98	9.73	4.27	7.64	1.34
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	0.989 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	3400 J	2810 J	1950 J	3320 J	304 J
13B-0572-C1BS	0.5 - 1.5 ft	3470 J	2780 J	3470	8350	975
13B-0573-C2AS	0 - 0.5 ft	7580	6360	5580	8520	1100
13B-0573-C2BS	0.5 - 1.5 ft	3290	2940	2480	2890	229
13B-0573-C2CS	1.5 - 2.5 ft	721	504	416	848	168
13B-0573-C2DS	2.5 - 3.75 ft	2.47	1.65	1.25	3.19	1.34
13B-0574-C2AS	0 - 0.5 ft	2100	1750	1500	3130	781
13B-0574-C2BS	0.5 - 1.5 ft	3270	2370 J	2200 J	5730	1260
13B-0574-C2CS	1.5 - 2.5 ft	1530	1180	838	2060	877
13B-0574-C2HS	6.4 - 7.4 ft	1780	1310	919	3040	1050
13B-0575-C1AS	0 - 0.5 ft	1940	1990	1780	2230	286
13B-0575-C4BS	0.5 - 1.5 ft	779	589	512	1010	376
13B-0575-C4CS	1.5 - 2.5 ft	5.58	4.57	3.02	5.26	6.41
13B-0575-C4FS	4.3 - 5.44 ft	0.605 J	0.678 U	0.359 J	1.36	1.06
13B-0577-G1AS	0 - 0.5 ft	2390 J	2340 J	1860 J	1580 J	122 J
13B-0578-C5CS	1.5 - 2.5 ft	2780	2470	3080	4200	1400

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Benzo(E)pyrene**	**Benzo(g,h,i)perylene**	**Benzo(k)fluoranthene**	**C1-Benzanthracene/chrysenes**	**C1-Dibenzothiophenes**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.272**	**0.274**	**0.258**	**1.36**	**1.01**
	Maximum Detect	**17400**	**11600**	**12000**	**15500**	**5180**
	Mean of Detects	**2110**	**1780**	**1760**	**2900**	**618**
	St. Dev. of Detects	**1960**	**1520**	**1860**	**2620**	**757**
	CV of Detects	**0.929**	**0.855**	**1.06**	**0.901**	**1.22**
	% Detected	**99.1**	**97.8**	**98.3**	**97.4**	**95.2**
Sample ID	**Depth Interval**					
13B-0578-C5CT	1.5 - 2.5 ft	2440	2630	2840	4120	1300
13B-0578-C5GS	5.25 - 6.25 ft	2100	1670	2010	2710	226
13B-0578-C6AS	0 - 0.5 ft	1610	1660	1760	1750	426
13B-0578-C6BS	0.5 - 1.5 ft	532 J	534 J	412 J	1030	365

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0501-C1AS	0 - 0.5 ft	347	1380	3740	1370
13B-0501-C1BS	0.5 - 1.5 ft	169	447	1210	456
13B-0501-C1CS	1.5 - 2.5 ft	153	310	1150	471
13B-0501-C2DS	2.5 - 3.32 ft	1340	2770	8300	2530
13B-0502-C2AS	0 - 0.5 ft	192	730	2110	818
13B-0502-C2BS	0.5 - 1.5 ft	253	958	2800	914
13B-0502-C2CS	1.5 - 2.45 ft	647	2800	4960	2000
13B-0503-C1AS	0 - 0.5 ft	58.4	198	533	211
13B-0503-C1BS	0.5 - 1.5 ft	19.4	4.67	2.60	0.958 U
13B-0503-C1CS	1.5 - 2.5 ft	3.48	1.56	2.01	0.979 U
13B-0504-C2AS	0 - 0.5 ft	752 J	2840 J	4200 J	3290 J
13B-0504-C4BS	0.5 - 1.5 ft	2320 J	8030 J	11400 J	6670 J
13B-0504-C4CS	1.5 - 2.5 ft	929	3960	4450	2860
13B-0504-C4KS	9.5 - 10.25 ft	877	3140	4520	1640
13B-0505-C1AS	0 - 0.5 ft	254 J	968 J	3660 J	1320 J
13B-0505-C1BS	0.5 - 1.5 ft	1160	5700	7380	1590
13B-0505-C1CS	1.5 - 2.5 ft	529	842	3510	1690
13B-0505-C1FS	4.5 - 5.2 ft	109	182	1120	394
13B-0506-C2BS	0.5 - 1.5 ft	86.1	219	869	373
13B-0506-C2CS	1.5 - 2.5 ft	8.32	20.6	86.5	30.5
13B-0506-C3AS	0 - 0.5 ft	705 J	2000 J	4680 J	1790 J
13B-0507-C2AS	0 - 0.5 ft	24.9	65.1	161	63.3
13B-0507-C2BS	0.5 - 1.5 ft	1.25	1.99	2.63	1.20
13B-0507-C2CS	1.5 - 2.5 ft	0.995 U	0.995 U	0.995 U	0.995 U
13B-0507-C2DS	2.5 - 3.5 ft	1.32	2.16	2.41	0.993 U

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0508-G3AS	0 - 0.5 ft	9.32	58.6	184	68.1
13B-0509-C1BS	0.5 - 1.5 ft	224	815	1960	827
13B-0509-C1CS	1.5 - 2.5 ft	592	2310	5100	2670
13B-0509-C1ES	3.17 - 4.17 ft	1810	7290	7780	4770
13B-0509-C2AS	0 - 0.5 ft	532 J	1050 J	3690 J	2090 J
13B-0510-C1AS	0 - 0.5 ft	238	1110	2040	1100
13B-0510-C3BS	0.5 - 1.9 ft	17.6	46.4	181	90.6
13B-0511-C1AS	0 - 0.5 ft	148 J	712 J	2250 J	1310 J
13B-0511-C3BS	0.5 - 1.5 ft	140	673	2140	1240
13B-0511-C3CS	1.5 - 2.5 ft	316	1060	1960	1320
13B-0511-C3HS	5.95 - 6.95 ft	617	2560	4150	2470
13B-0512-G1AS	0 - 0.5 ft	158 J	619 J	1680 J	966 J
13B-0513-G1AS	0 - 0.5 ft	273 J	1110 J	2420 J	1640 J
13B-0514-G1AS	0 - 0.5 ft	423 J	1470 J	2170 J	1750 J
13B-0515-C1AS	0 - 0.5 ft	68.3	328	810	365
13B-0515-C1BS	0.5 - 1.71 ft	0.989 U	0.989 U	4.48	4.45
13B-0515-C2CS	1.5 - 2.19 ft	0.987 U	1.12	2.79	1.09
13B-0516-C2BS	0.5 - 1.5 ft	335 J	1060 J	3210 J	1700 J
13B-0516-C2CS	1.5 - 2.5 ft	653 J	1420 J	3270 J	1930 J
13B-0516-C2LS	10.4 - 11.4 ft	812	2700	4290	2580
13B-0516-C3AS	0 - 0.5 ft	177 J	838 J	2740 J	1190 J
13B-0517-G2AS	0 - 0.5 ft	9.49	37.9	144	78.6
13B-0518-G1AS	0 - 0.5 ft	202	897 J	2840 J	832
13B-0518-G1AT	0 - 0.5 ft	115	469 J	1650 J	653
13B-0519-C2BS	0.5 - 1.5 ft	259	1060	2730	1340

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0519-C2CS	1.5 - 2.5 ft	671	2140	3660	2750
13B-0519-C2RS	16.1 - 17.1 ft	0.984 U	0.984 U	2.28	0.984 U
13B-0519-C5AS	0 - 0.5 ft	200	861	2700	1120
13B-0520-G1AS	0 - 0.5 ft	86.2 J	413 J	1340 J	604 J
13B-0521-C2AS	0 - 0.5 ft	177	579	1540	586
13B-0521-C2BS	0.5 - 1.5 ft	66.9	254	700	276
13B-0521-C2CS	1.5 - 2.5 ft	90.9	422	1270	487
13B-0521-C2HS	6.5 - 7.63 ft	1580 J	5090 J	9610 J	5000 J
13B-0522-G1AS	0 - 0.5 ft	144 J	560 J	1980 J	921 J
13B-0522-G1AT	0 - 0.5 ft	98.4 J	447 J	1460 J	749 J
13B-0523-G2AS	0 - 0.5 ft	131 J	587 J	2490 J	1340 J
13B-0524-C1AS	0 - 0.5 ft	909 J	4660 J	9160 J	2700 J
13B-0524-C1BS	0.5 - 1.5 ft	738 J	3160 J	6200 J	2180 J
13B-0524-C1CS	1.5 - 2.5 ft	479 J	1960 J	5010 J	1890 J
13B-0524-C1GS	5.39 - 6.39 ft	3010 J	8410 J	16600 J	5780 J
13B-0525-C1BS	0.5 - 1.5 ft	222 J	1010 J	3020 J	1690 J
13B-0525-C1CS	1.5 - 2.5 ft	264 J	1050 J	3260 J	1500 J
13B-0525-C1HS	6.42 - 7.42 ft	602	1550	3130	1650
13B-0525-C2AS	0 - 0.5 ft	182 J	799 J	2760 J	1300 J
13B-0526-C1BS	0.5 - 1.5 ft	789 J	3120 J	4320 J	3070 J
13B-0526-C1HS	6.5 - 7.62 ft	345	1130	2600	1010
13B-0526-C2AS	0 - 0.5 ft	2620 J	10900 J	9740 J	5980 J
13B-0526-C2CS	1.5 - 2.5 ft	1310 J	7020 J	5890 J	4230 J
13B-0526-C2CT	1.5 - 2.5 ft	1240 J	6630 J	6540 J	3850 J
13B-0527-C2AS	0 - 0.5 ft	7.11	33.0	123	59.3

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0527-C2CS	1.5 - 2.6 ft	0.981 U	1.06	1.57	0.981 U
13B-0527-C3BS	0.5 - 1.5 ft	0.976 U	0.976 U	3.04	1.34
13B-0528-C3BS	0.5 - 1.5 ft	771 J	4600 J	6130 J	3690 J
13B-0528-C3CS	1.5 - 2.5 ft	961 J	4890 J	5340 J	3920 J
13B-0528-C3LS	10.5 - 11.54 ft	2510	7950	11700	4540
13B-0528-C4AS	0 - 0.5 ft	154 J	707 J	2800 J	1340 J
13B-0529-C2AS	0 - 0.5 ft	1080	5100	9030	4500
13B-0529-C2BS	0.5 - 1.5 ft	127	438	1040	375
13B-0529-C2CS	1.5 - 2.5 ft	338	389	1790	821
13B-0529-C2ES	3.5 - 4.2 ft	37.7	86.6	295	90.6
13B-0530-C1AS	0 - 0.5 ft	88.2	323	918	421
13B-0530-C1BS	0.5 - 1.5 ft	245 J	781 J	1210 J	797 J
13B-0530-C3CS	1.5 - 1.93 ft	282	1060	1660	833
13B-0531-C1AS	0 - 0.5 ft	456 J	1800 J	4890	1900 J
13B-0531-C1AT	0 - 0.5 ft	212 J	778 J	2960	1030 J
13B-0531-C2BS	0.5 - 1.5 ft	317	343	1850	510
13B-0531-C2CS	1.5 - 2.5 ft	388	500	3460	1140
13B-0531-C2ES	3.5 - 4.42 ft	741	2690	5800	2080
13B-0532-C1AS	0 - 0.5 ft	211	583	1720	907
13B-0532-C1BS	0.5 - 1.5 ft	107	317	914	321
13B-0532-C1CS	1.5 - 2.5 ft	258	691	1220	507
13B-0532-C1DS	2.5 - 3.73 ft	77.3	239	378	107
13B-0533-C2BS	0.5 - 1.5 ft	836 J	3690 J	6990 J	4270 J
13B-0533-C2CS	1.5 - 2.5 ft	985 J	3780 J	7840 J	4370 J
13B-0533-C3AS	0 - 0.5 ft	197 J	798 J	2890 J	1330 J

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Analytic Method		**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
Analyte		**C1-Fluorenes**	**C1-Phenanthrene/anthracenes**	**C1-Pyrene/fluoranthenes**	**C2-Benzanthracene/chrysenes**
Unit		**ng/g**	**ng/g**	**ng/g**	**ng/g**
Minimum Detect		**1.04**	**1.06**	**1.07**	**1.06**
Maximum Detect		**5980**	**23000**	**26100**	**8110**
Mean of Detects		**536**	**1930**	**3490**	**1680**
St. Dev. of Detects		**727**	**2600**	**3510**	**1470**
CV of Detects		**1.36**	**1.34**	**1.01**	**0.872**
% Detected		**95.2**	**96.9**	**98.7**	**95.6**
Sample ID	**Depth Interval**				
13B-0533-C3AT	0 - 0.5 ft	189 J	753 J	2890 J	1800 J
13B-0533-C3JS	8.5 - 9.35 ft	1090	3380	8090	4120
13B-0533-C3JT	8.5 - 9.35 ft	948	3270	7480	3630
13B-0534-C2BS	0.5 - 1.5 ft	834	3540	4470	3500
13B-0534-C2CS	1.5 - 2.5 ft	424	1590	2710	1510
13B-0534-C2IS	7.5 - 8.59 ft	604	2210	5290	2970
13B-0534-G1AS	0 - 0.5 ft	154 J	655 J	2010 J	1030 J
13B-0534-G1AT	0 - 0.5 ft	204 J	746 J	2130 J	1140 J
13B-0535-C2AS	0 - 0.5 ft	308 J	1050 J	3800 J	1980 J
13B-0535-C2BS	0.5 - 1.5 ft	82.6	143	638	257
13B-0535-C2CS	1.5 - 2.45 ft	20.1	26.3	122	50.6
13B-0536-C1BS	0.5 - 1.5 ft	193	703	1820	823
13B-0536-C1CS	1.5 - 2.5 ft	595	2470	4600	2500
13B-0536-C1FS	4.28 - 5.28 ft	5980	15200	26100	7080
13B-0536-C3AS	0 - 0.5 ft	795	3030	5430	2650
13B-0537-C3AS	0 - 0.5 ft	209	730	2250	975
13B-0538-C2AS	0 - 0.5 ft	196 J	834 J	2920 J	1700 J
13B-0538-C3BS	0.5 - 1.5 ft	1080 J	3620 J	5620 J	4020 J
13B-0538-C3CS	1.5 - 2.5 ft	1140 J	4300 J	3610 J	2740 J
13B-0538-C3ES	3.5 - 4.8 ft	928	2730	4540	1030
13B-0539-C3BS	0.5 - 1.5 ft	660	2660	4870	2930
13B-0539-C3CS	1.5 - 2.5 ft	665	2110	4120	2910
13B-0539-C3HS	6.5 - 7.59 ft	25.2	123	696	137
13B-0539-G2AS	0 - 0.5 ft	473 J	1530 J	3260 J	2260 J
13B-0539-G2AT	0 - 0.5 ft	548 J	1800 J	3490 J	2760 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0540-C3AS	0 - 0.5 ft	559 J	1910 J	4950 J	2530 J
13B-0540-C4BS	0.5 - 1.5 ft	283 J	1210 J	4040 J	1380 J
13B-0540-C4CS	1.5 - 2.5 ft	741 J	2390 J	4460 J	2960 J
13B-0540-C4LS	10.3 - 11.25 ft	107	372	855	305
13B-0541-C1BS	0.5 - 1.5 ft	937	2510	3730	1400
13B-0541-C1CS	1.5 - 2.5 ft	171	504	1260	598
13B-0541-C1FS	4.5 - 5.67 ft	0.995 U	0.995 U	1.07	0.995 U
13B-0541-C2AS	0 - 0.5 ft	458 J	1910 J	4140 J	2220 J
13B-0542-C2AS	0 - 0.5 ft	5220	23000	20300	5810
13B-0542-C2BS	0.5 - 1.5 ft	1110	2980	4620	1530
13B-0542-C2CS	1.5 - 2.5 ft	576	2400	6810	1430
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.980 U	0.980 U	0.980 U
13B-0543-G1AS	0 - 0.5 ft	240 J	1260 J	3330 J	1400 J
13B-0544-C2AS	0 - 0.5 ft	157 J	890 J	2720 J	1100 J
13B-0544-C2BS	0.5 - 1.5 ft	113	443	1230	558
13B-0544-C2CS	1.5 - 2.5 ft	153 J	646 J	1830 J	1070 J
13B-0544-C2ES	3 - 3.97 ft	368	1020	1930	815
13B-0546-G2AS	0 - 0.5 ft	460	1550	4100	1340
13B-0547-C2AS	0 - 0.5 ft	549 J	2440 J	1940 J	3010 J
13B-0547-C2BS	0.5 - 1.5 ft	376 J	1780 J	1520 J	2050 J
13B-0547-C2CS	1.5 - 2.05 ft	2840	10900	11200	8110
13B-0548-C1IS	7.5 - 8.79 ft	1.31 U	3.03	4.25	1.75
13B-0548-C2AS	0 - 0.5 ft	1190	3750	7300	2720
13B-0548-C2BS	0.5 - 1.5 ft	332	1090 J	3160	1300 J
13B-0548-C2BT	0.5 - 1.5 ft	548	2020 J	5140	2520 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0548-C2CS	1.5 - 2.5 ft	236	793	2080	1060
13B-0549-C2AS	0 - 0.5 ft	102	309	963	482
13B-0549-C3BS	0.5 - 1.5 ft	980	3410	4440	1730
13B-0549-C3CS	1.5 - 2.65 ft	489	1480	2790	855
13B-0550-C1AS	0 - 0.5 ft	337 J	1470 J	4780 J	1580 J
13B-0550-C3BS	0.5 - 1.5 ft	166	620	1810	569
13B-0550-C3CS	1.5 - 2.5 ft	141	617	2200	518
13B-0551-G2AS	0 - 0.5 ft	110	628	1660	685
13B-0552-C1BS	0.5 - 1.5 ft	75.0	970	385	127
13B-0552-C1CS	1.5 - 2.2 ft	5.48 J	26.9	82.0 J	37.0 J
13B-0552-C1CT	1.5 - 2.2 ft	13.2 J	44.4	202 J	68.8 J
13B-0552-C3AS	0 - 0.5 ft	164 J	698 J	2150 J	969 J
13B-0553-C1AS	0 - 0.5 ft	331	957	2050	1180
13B-0553-C2BS	0.5 - 1.5 ft	364	1340	2920	1510
13B-0553-C2CS	1.5 - 2.5 ft	522	2350	3490	2200
13B-0554-C1BS	0.5 - 1.5 ft	155	646	2170	1050
13B-0554-C1CS	1.5 - 2.5 ft	141	386	1370	777
13B-0554-C1ES	3.5 - 4.7 ft	7.10	36.6	121	45.5
13B-0554-G2AS	0 - 0.5 ft	176 J	722 J	2360 J	900 J
13B-0555-C1AS	0 - 0.5 ft	697 J	2890 J	4170 J	2840 J
13B-0555-C2BS	0.5 - 1.5 ft	557 J	2880 J	3790 J	2620 J
13B-0555-C2CS	1.5 - 2 ft	1040 J	3770 J	4030 J	2350 J
13B-0555-C2DS	2 - 3 ft	503 J	1720 J	3780 J	2460 J
13B-0556-C2AS	0 - 0.5 ft	95.4 J	429 J	1290 J	492 J
13B-0556-C2BS	0.5 - 1.5 ft	175	738	2270	1310

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**C1-Fluorenes**	**C1-Phenanthrene/anthracenes**	**C1-Pyrene/fluoranthenes**	**C2-Benzanthracene/chrysenes**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**1.04**	**1.06**	**1.07**	**1.06**
	Maximum Detect	**5980**	**23000**	**26100**	**8110**
	Mean of Detects	**536**	**1930**	**3490**	**1680**
	St. Dev. of Detects	**727**	**2600**	**3510**	**1470**
	CV of Detects	**1.36**	**1.34**	**1.01**	**0.872**
	% Detected	**95.2**	**96.9**	**98.7**	**95.6**
Sample ID	**Depth Interval**				
13B-0556-C2CS	1.5 - 2.38 ft	78.3	326	1050	498
13B-0557-C1AS	0 - 0.5 ft	358	1400	3700	1450
13B-0557-C2BS	0.5 - 1.5 ft	331 J	1400 J	2940 J	1570 J
13B-0557-C2CS	1.5 - 2.5 ft	531 J	2210 J	4430 J	2470 J
13B-0557-C2ES	3.5 - 4.5 ft	678	2240	4170	2020
13B-0558-C2BS	0.5 - 1.5 ft	416	1480	2740	1360
13B-0558-C2CS	1.5 - 2.5 ft	218	609	1610	916
13B-0558-C2FS	4.5 - 5.75 ft	1.05	4.64	11.2	6.17
13B-0558-C3AS	0 - 0.5 ft	671 J	3760 J	5740 J	2100 J
13B-0559-C2GS	5.5 - 646 ft	267	882	1880	793
13B-0559-C3AS	0 - 0.5 ft	180	701	1850	674
13B-0559-C3BS	0.5 - 1.5 ft	181	825	2200	1050
13B-0559-C3CS	1.5 - 2.5 ft	454	1700	3560	1590
13B-0560-C1BS	0.5 - 1.5 ft	378	1400	4070	1260
13B-0560-C1CS	1.5 - 2.5 ft	1440 J	6460 J	12700 J	5400 J
13B-0560-C1GS	5.14 - 5.86 ft	1.99	2.17	2.76	1.06
13B-0560-C3AS	0 - 0.5 ft	561	2100	6490	3400
13B-0561-C1BS	0.5 - 1.5 ft	608	2220	5690	2710
13B-0561-C1CS	1.5 - 2.5 ft	763	3090	6410	2090
13B-0561-C2AS	0 - 0.5 ft	1090	4800	7700	3570
13B-0562-G2AS	0 - 0.5 ft	3020	9990	20100	4770
13B-0563-C1AS	0 - 0.5 ft	221	627	1370	738
13B-0563-C1AT	0 - 0.5 ft	247	693	1480	1030
13B-0563-C1BS	0.5 - 1.5 ft	44.9	105	258	91.0
13B-0563-C2CS	1.1 - 2.5 ft	1790 J	6940 J	9040 J	5400 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C1-Fluorenes	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.04	1.06	1.07	1.06
Maximum Detect		5980	23000	26100	8110
Mean of Detects		536	1930	3490	1680
St. Dev. of Detects		727	2600	3510	1470
CV of Detects		1.36	1.34	1.01	0.872
% Detected		95.2	96.9	98.7	95.6
Sample ID	Depth Interval				
13B-0563-C2IS	7.5 - 8.28 ft	1390	4200	4380	2360
13B-0564-G2AS	0 - 0.5 ft	148 J	657 J	1840 J	1170 J
13B-0565-G1AS	0 - 0.5 ft	57.3	327	935	469
13B-0566-G3AS	0 - 0.5 ft	17.7	103	374	161
13B-0567-G2AS	0 - 0.5 ft	72.3 J	350 J	1310 J	692 J
13B-0568-G2AS	0 - 0.5 ft	431 J	2210 J	3120 J	2270 J
13B-0571-C3BS	0.5 - 1.5 ft	19.2	94.0	267	133
13B-0571-C3CS	1.5 - 2.5 ft	0.990 U	4.09	8.42	4.07
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	223 J	1160 J	3790 J	1610 J
13B-0572-C1BS	0.5 - 1.5 ft	1700	3890	10800	4330
13B-0573-C2AS	0 - 0.5 ft	1450	5690	12100	3580
13B-0573-C2BS	0.5 - 1.5 ft	378	1710	4860	1210
13B-0573-C2CS	1.5 - 2.5 ft	118	329	902	443
13B-0573-C2DS	2.5 - 3.75 ft	1.68	2.56	6.22	1.78
13B-0574-C2AS	0 - 0.5 ft	552	2190	4110	1590
13B-0574-C2BS	0.5 - 1.5 ft	940	3510	6900	2900
13B-0574-C2CS	1.5 - 2.5 ft	590	1980	2530	1100
13B-0574-C2HS	6.4 - 7.4 ft	913	2260	3530	1560
13B-0575-C1AS	0 - 0.5 ft	203	895	2440	1270
13B-0575-C4BS	0.5 - 1.5 ft	251	785	1390	730
13B-0575-C4CS	1.5 - 2.5 ft	5.58	9.21	8.67	3.07
13B-0575-C4FS	4.3 - 5.44 ft	1.04	2.67	1.62	0.944 U
13B-0577-G1AS	0 - 0.5 ft	79.7 J	531 J	1940 J	920 J
13B-0578-C5CS	1.5 - 2.5 ft	967	3760	5820	2490

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**C1-Fluorenes**	**C1-Phenanthrene/anthracenes**	**C1-Pyrene/fluoranthenes**	**C2-Benzanthracene/chrysenes**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**1.04**	**1.06**	**1.07**	**1.06**
	Maximum Detect	**5980**	**23000**	**26100**	**8110**
	Mean of Detects	**536**	**1930**	**3490**	**1680**
	St. Dev. of Detects	**727**	**2600**	**3510**	**1470**
	CV of Detects	**1.36**	**1.34**	**1.01**	**0.872**
	% Detected	**95.2**	**96.9**	**98.7**	**95.6**
Sample ID	**Depth Interval**				
13B-0578-C5CT	1.5 - 2.5 ft	848	3430	6060	2470
13B-0578-C5GS	5.25 - 6.25 ft	426	1580	4280	1210
13B-0578-C6AS	0 - 0.5 ft	416	1520	3040	969
13B-0578-C6BS	0.5 - 1.5 ft	235	713	1330	633

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	546	513	421	2140	508
13B-0501-C1BS	0.5 - 1.5 ft	268	331	131	770	183
13B-0501-C1CS	1.5 - 2.5 ft	300	310	130	600	207
13B-0501-C2DS	2.5 - 3.32 ft	1150	2310	898	7620	960
13B-0502-C2AS	0 - 0.5 ft	469	379	219	1220	353
13B-0502-C2BS	0.5 - 1.5 ft	496	424	304	1470	363
13B-0502-C2CS	1.5 - 2.45 ft	1480	1200	1000	5310	860
13B-0503-C1AS	0 - 0.5 ft	118	106	54.2	369	83.6
13B-0503-C1BS	0.5 - 1.5 ft	1.62	8.75	7.25	4.62	0.958 U
13B-0503-C1CS	1.5 - 2.5 ft	1.11	2.07	3.25	2.10	0.979 U
13B-0504-C2AS	0 - 0.5 ft	3410 J	2050 J	1290 J	7420 J	1670 J
13B-0504-C4BS	0.5 - 1.5 ft	7680 J	5430 J	6530 J	20800 J	3490 J
13B-0504-C4CS	1.5 - 2.5 ft	2300	1800	1630	8330	1230
13B-0504-C4KS	9.5 - 10.25 ft	1120	1120	1960	4600	662
13B-0505-C1AS	0 - 0.5 ft	450 J	375 J	386 J	1650 J	555 J
13B-0505-C1BS	0.5 - 1.5 ft	727	953	1740	4970	447
13B-0505-C1CS	1.5 - 2.5 ft	1270	1170	428	2230	857
13B-0505-C1FS	4.5 - 5.2 ft	291	254	71.7	671	145
13B-0506-C2BS	0.5 - 1.5 ft	214	194	91.1	455	155
13B-0506-C2CS	1.5 - 2.5 ft	22.3	18.7	8.34	47.9	13.4
13B-0506-C3AS	0 - 0.5 ft	733 J	917 J	672 J	3400 J	699 J
13B-0507-C2AS	0 - 0.5 ft	29.8	32.5	82.4	104	27.0
13B-0507-C2BS	0.5 - 1.5 ft	1.03	1.21	5.31	5.21	0.966 U
13B-0507-C2CS	1.5 - 2.5 ft	0.995 U	0.995 U	1.99 U	1.03	0.995 U
13B-0507-C2DS	2.5 - 3.5 ft	0.993 U	1.62	1.99 U	2.25	0.993 U

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0508-G3AS	0 - 0.5 ft	12.4	9.35	14.9	58.3	37.7
13B-0509-C1BS	0.5 - 1.5 ft	568	358	323	1460	369
13B-0509-C1CS	1.5 - 2.5 ft	1600	956	1120	4310	1240
13B-0509-C1ES	3.17 - 4.17 ft	2950	2750	3760	12300	2080
13B-0509-C2AS	0 - 0.5 ft	1670 J	1420 J	457 J	3030 J	1050 J
13B-0510-C1AS	0 - 0.5 ft	391	361	291	1330	429
13B-0510-C3BS	0.5 - 1.9 ft	26.9	27.9	19.3	76.0	40.3
13B-0511-C1AS	0 - 0.5 ft	356 J	278 J	308 J	1210 J	580 J
13B-0511-C3BS	0.5 - 1.5 ft	317	232	278	1130	571
13B-0511-C3CS	1.5 - 2.5 ft	826	691	627	2210	637
13B-0511-C3HS	5.95 - 6.95 ft	1750	1230	1110	4980	1140
13B-0512-G1AS	0 - 0.5 ft	288 J	241 J	239 J	1090 J	423 J
13B-0513-G1AS	0 - 0.5 ft	1190 J	817 J	529 J	2920 J	838 J
13B-0514-G1AS	0 - 0.5 ft	643 J	563 J	614 J	2380 J	741 J
13B-0515-C1AS	0 - 0.5 ft	157	116	81.5	579	157
13B-0515-C1BS	0.5 - 1.71 ft	0.989 U	0.989 U	1.98 U	1.84	2.66
13B-0515-C2CS	1.5 - 2.19 ft	1.07	0.987 U	1.97 U	2.27	0.987 U
13B-0516-C2BS	0.5 - 1.5 ft	626 J	599 J	435 J	1930 J	785 J
13B-0516-C2CS	1.5 - 2.5 ft	1520 J	1420 J	991 J	3490 J	1010 J
13B-0516-C2LS	10.4 - 11.4 ft	1860	1660	1590	5780	1190
13B-0516-C3AS	0 - 0.5 ft	387 J	276 J	284 J	1370 J	525 J
13B-0517-G2AS	0 - 0.5 ft	21.1	17.8	11.2	69.4	35.6
13B-0518-G1AS	0 - 0.5 ft	249	252	208	1150	324
13B-0518-G1AT	0 - 0.5 ft	175	153	166	714	251
13B-0519-C2BS	0.5 - 1.5 ft	477	388	354	1640	595

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		Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
		Analyte	C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
		Unit	ng/g	ng/g	ng/g	ng/g	ng/g
		Minimum Detect	1.03	1.01	2.17	1.03	1.38
		Maximum Detect	7680	8170	12200	28900	3490
		Mean of Detects	1030	882	927	3330	753
		St. Dev. of Detects	1320	1110	1510	4210	651
		CV of Detects	1.28	1.26	1.63	1.26	0.865
		% Detected	96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval						
13B-0519-C2CS	1.5 - 2.5 ft	1660	1600	1230	4730	1350
13B-0519-C2RS	16.1 - 17.1 ft	1.10	1.01	1.97 U	1.51	0.984 U
13B-0519-C5AS	0 - 0.5 ft	355	295	268	1330	458
13B-0520-G1AS	0 - 0.5 ft	186 J	133 J	134 J	639 J	265 J
13B-0521-C2AS	0 - 0.5 ft	190	215	270	827	217
13B-0521-C2BS	0.5 - 1.5 ft	94.9	81.5	87.1	380	104
13B-0521-C2CS	1.5 - 2.5 ft	159	126	141	607	189
13B-0521-C2HS	6.5 - 7.63 ft	4940 J	3880 J	2790 J	12100 J	2500 J
13B-0522-G1AS	0 - 0.5 ft	275 J	227 J	239 J	974 J	407 J
13B-0522-G1AT	0 - 0.5 ft	215 J	153 J	190 J	742 J	341 J
13B-0523-G2AS	0 - 0.5 ft	325 J	223 J	294 J	1050 J	629 J
13B-0524-C1AS	0 - 0.5 ft	710 J	654 J	1820 J	3890 J	919 J
13B-0524-C1BS	0.5 - 1.5 ft	1470 J	817 J	808 J	4130 J	815 J
13B-0524-C1CS	1.5 - 2.5 ft	912 J	623 J	647 J	2820 J	778 J
13B-0524-C1GS	5.39 - 6.39 ft	3490 J	3200 J	2970 J	11200 J	2150 J
13B-0525-C1BS	0.5 - 1.5 ft	454 J	340 J	323 J	1600 J	741 J
13B-0525-C1CS	1.5 - 2.5 ft	521 J	407 J	367 J	1690 J	683 J
13B-0525-C1HS	6.42 - 7.42 ft	1030	1190	953	2940	769
13B-0525-C2AS	0 - 0.5 ft	396 J	304 J	268 J	1390 J	541 J
13B-0526-C1BS	0.5 - 1.5 ft	2970 J	2160 J	1900 J	7870 J	1580 J
13B-0526-C1HS	6.5 - 7.62 ft	709	628	446	2300	384
13B-0526-C2AS	0 - 0.5 ft	7670 J	5400 J	10200 J	19800 J	2990 J
13B-0526-C2CS	1.5 - 2.5 ft	4810 J	3300 J	3930 J	16200 J	2160 J
13B-0526-C2CT	1.5 - 2.5 ft	6270 J	3140 J	3970 J	15300 J	1890 J
13B-0527-C2AS	0 - 0.5 ft	18.1	11.5	15.1	56.1	28.1

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0527-C2CS	1.5 - 2.6 ft	0.981 U	0.981 U	1.96 U	1.13	0.981 U
13B-0527-C3BS	0.5 - 1.5 ft	0.976 U	0.976 U	1.95 U	1.31	0.976 U
13B-0528-C3BS	0.5 - 1.5 ft	3970 J	2310 J	1470 J	12200 J	1860 J
13B-0528-C3CS	1.5 - 2.5 ft	4050 J	2370 J	1360 J	12800 J	1990 J
13B-0528-C3LS	10.5 - 11.54 ft	2620	3580	4000	12600	1830
13B-0528-C4AS	0 - 0.5 ft	368 J	271 J	290 J	1280 J	604 J
13B-0529-C2AS	0 - 0.5 ft	1300	1590	1640	6680	1440
13B-0529-C2BS	0.5 - 1.5 ft	174	170	164	650	134
13B-0529-C2CS	1.5 - 2.5 ft	337	530	128	1180	279
13B-0529-C2ES	3.5 - 4.2 ft	49.1	49.6	29.0	147	31.1
13B-0530-C1AS	0 - 0.5 ft	138	118	114	544	181
13B-0530-C1BS	0.5 - 1.5 ft	368 J	404 J	334 J	1320 J	390 J
13B-0530-C3CS	1.5 - 1.93 ft	485	501	298	1960	404
13B-0531-C1AS	0 - 0.5 ft	395	444	517 J	1840	650 J
13B-0531-C1AT	0 - 0.5 ft	409	361	246 J	1600	391 J
13B-0531-C2BS	0.5 - 1.5 ft	283	445	65.2	887	195
13B-0531-C2CS	1.5 - 2.5 ft	580	951	137	1960	399
13B-0531-C2ES	3.5 - 4.42 ft	288	848	411	3550	811
13B-0532-C1AS	0 - 0.5 ft	293	284	328	1050	348
13B-0532-C1BS	0.5 - 1.5 ft	135	131	134	433	129
13B-0532-C1CS	1.5 - 2.5 ft	326	301	358	990	219
13B-0532-C1DS	2.5 - 3.73 ft	95.0	107	74.1	320	38.1
13B-0533-C2BS	0.5 - 1.5 ft	3620 J	2190 J	1400 J	9450 J	2120 J
13B-0533-C2CS	1.5 - 2.5 ft	1620 J	1440 J	2160 J	6440 J	1820 J
13B-0533-C3AS	0 - 0.5 ft	440 J	332 J	362 J	1470 J	600 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0533-C3AT	0 - 0.5 ft	424 J	332 J	341 J	1420 J	801 J
13B-0533-C3JS	8.5 - 9.35 ft	1520	1630	1840	5770	1710
13B-0533-C3JT	8.5 - 9.35 ft	1400	1310	1640	5480	1510
13B-0534-C2BS	0.5 - 1.5 ft	2270	1710	1340	7090	1510
13B-0534-C2CS	1.5 - 2.5 ft	1010	846	699	3250	636
13B-0534-C2IS	7.5 - 8.59 ft	1220	974	1550	3680	1300
13B-0534-G1AS	0 - 0.5 ft	520 J	383 J	265 J	1420 J	466 J
13B-0534-G1AT	0 - 0.5 ft	503 J	388 J	400 J	1460 J	500 J
13B-0535-C2AS	0 - 0.5 ft	602 J	454 J	441 J	1940 J	811 J
13B-0535-C2BS	0.5 - 1.5 ft	120	109	80.5	283	102
13B-0535-C2CS	1.5 - 2.45 ft	21.0	18.0	17.1	51.8	20.4
13B-0536-C1BS	0.5 - 1.5 ft	430	325	273	1290	353
13B-0536-C1CS	1.5 - 2.5 ft	1450	926	1250	4610	1090
13B-0536-C1FS	4.28 - 5.28 ft	2570	8170	9650	22500	2780
13B-0536-C3AS	0 - 0.5 ft	1580	1430	1430	6010	1080
13B-0537-C3AS	0 - 0.5 ft	315	304	266	1110	389
13B-0538-C2AS	0 - 0.5 ft	409 J	330 J	363 J	1370 J	765 J
13B-0538-C3BS	0.5 - 1.5 ft	6860 J	3730 J	1890 J	11500 J	2210 J
13B-0538-C3CS	1.5 - 2.5 ft	5610 J	2830 J	3780 J	9470 J	1480 J
13B-0538-C3ES	3.5 - 4.8 ft	386	1250	1170	3890	376
13B-0539-C3BS	0.5 - 1.5 ft	1520	1290	866	5400	1310
13B-0539-C3CS	1.5 - 2.5 ft	1230	1090	901	3570	1280
13B-0539-C3HS	6.5 - 7.59 ft	25.5	30.7	20.3	141	42.1
13B-0539-G2AS	0 - 0.5 ft	1220 J	1000 J	595 J	3660 J	1030 J
13B-0539-G2AT	0 - 0.5 ft	1510 J	1180 J	681 J	4370 J	1280 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0540-C3AS	0 - 0.5 ft	1190 J	1230 J	767 J	3620 J	1140 J
13B-0540-C4BS	0.5 - 1.5 ft	707 J	588 J	554 J	2280 J	608 J
13B-0540-C4CS	1.5 - 2.5 ft	3170 J	2110 J	1440 J	6310 J	1610 J
13B-0540-C4LS	10.3 - 11.25 ft	173	187	123	659	127
13B-0541-C1BS	0.5 - 1.5 ft	934	1160	1770	3720	602
13B-0541-C1CS	1.5 - 2.5 ft	372	262	402	951	273
13B-0541-C1FS	4.5 - 5.67 ft	0.995 U	0.995 U	1.99 U	0.995 U	0.995 U
13B-0541-C2AS	0 - 0.5 ft	1780 J	997 J	708 J	3980 J	1040 J
13B-0542-C2AS	0 - 0.5 ft	2030	5890	12200	28900	2240
13B-0542-C2BS	0.5 - 1.5 ft	652	1320	1220	4610	644
13B-0542-C2CS	1.5 - 2.5 ft	379	548	539	2830	562
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.980 U	1.96 U	0.980 U	0.980 U
13B-0543-G1AS	0 - 0.5 ft	402 J	307 J	340 J	1700 J	555 J
13B-0544-C2AS	0 - 0.5 ft	297 J	217 J	202 J	1110 J	446 J
13B-0544-C2BS	0.5 - 1.5 ft	201	164	173	634	248
13B-0544-C2CS	1.5 - 2.5 ft	304 J	216 J	242 J	940 J	478 J
13B-0544-C2ES	3 - 3.97 ft	479	489	600	1560	367
13B-0546-G2AS	0 - 0.5 ft	843	751	345	3070	535
13B-0547-C2AS	0 - 0.5 ft	2380 J	1250 J	797 J	5730 J	1500 J
13B-0547-C2BS	0.5 - 1.5 ft	1100 J	713 J	655 J	3510 J	1010 J
13B-0547-C2CS	1.5 - 2.05 ft	1950	2460	3640	11300	3230
13B-0548-C1IS	7.5 - 8.79 ft	1.52	1.59	2.17	4.22	0.962 U
13B-0548-C2AS	0 - 0.5 ft	974	1580	2480	5500	1010
13B-0548-C2BS	0.5 - 1.5 ft	491	470	477 J	1840	493 J
13B-0548-C2BT	0.5 - 1.5 ft	629	685	810 J	2750	953 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0548-C2CS	1.5 - 2.5 ft	461	371	352	1390	458
13B-0549-C2AS	0 - 0.5 ft	203	146	143	620	202
13B-0549-C3BS	0.5 - 1.5 ft	973	1190	2190	4770	692
13B-0549-C3CS	1.5 - 2.65 ft	402	627	367	2040	328
13B-0550-C1AS	0 - 0.5 ft	646 J	523 J	450 J	2590 J	608 J
13B-0550-C3BS	0.5 - 1.5 ft	276	233	206	1090	229
13B-0550-C3CS	1.5 - 2.5 ft	76.9	142	119	750	192
13B-0551-G2AS	0 - 0.5 ft	222	159	93.4	1000	296
13B-0552-C1BS	0.5 - 1.5 ft	95.6	93.8	86.9	280	49.8
13B-0552-C1CS	1.5 - 2.2 ft	10.8 J	9.52 J	5.71	33.2 J	15.0
13B-0552-C1CT	1.5 - 2.2 ft	29.7 J	22.8 J	8.37	99.6 J	23.0
13B-0552-C3AS	0 - 0.5 ft	251 J	217 J	277 J	976 J	414 J
13B-0553-C1AS	0 - 0.5 ft	758	508	733	2000	602
13B-0553-C2BS	0.5 - 1.5 ft	828	574	861	2360	684
13B-0553-C2CS	1.5 - 2.5 ft	2380	964	1230	4780	1090
13B-0554-C1BS	0.5 - 1.5 ft	290	247	244	1010	470
13B-0554-C1CS	1.5 - 2.5 ft	373	299	219	817	354
13B-0554-C1ES	3.5 - 4.7 ft	6.18	8.96	5.87	50.6	17.5
13B-0554-G2AS	0 - 0.5 ft	326 J	292 J	288 J	1210 J	366 J
13B-0555-C1AS	0 - 0.5 ft	2520 J	1870 J	1070 J	6820 J	1440 J
13B-0555-C2BS	0.5 - 1.5 ft	2500 J	1420 J	1210 J	6100 J	1320 J
13B-0555-C2CS	1.5 - 2 ft	3700 J	2720 J	2950 J	8340 J	1210 J
13B-0555-C2DS	2 - 3 ft	1760 J	1270 J	707 J	3900 J	1260 J
13B-0556-C2AS	0 - 0.5 ft	162 J	136 J	144 J	601 J	197 J
13B-0556-C2BS	0.5 - 1.5 ft	402	291	281	1260	568

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0556-C2CS	1.5 - 2.38 ft	174	132	125	517	211
13B-0557-C1AS	0 - 0.5 ft	593	548	548	2190	595
13B-0557-C2BS	0.5 - 1.5 ft	702 J	587 J	598 J	2280 J	717 J
13B-0557-C2CS	1.5 - 2.5 ft	1270 J	992 J	1080 J	3880 J	1200 J
13B-0557-C2ES	3.5 - 4.5 ft	1560	1220	1140	4000	888
13B-0558-C2BS	0.5 - 1.5 ft	717	612	760	2320	569
13B-0558-C2CS	1.5 - 2.5 ft	511	378	383	1230	429
13B-0558-C2FS	4.5 - 5.75 ft	1.90	1.48	1.94 U	7.38	2.65
13B-0558-C3AS	0 - 0.5 ft	2220 J	1260 J	497 J	7110 J	748 J
13B-0559-C2GS	5.5 - 646 ft	556	453	379	1510	342
13B-0559-C3AS	0 - 0.5 ft	253	241	207	1010	261
13B-0559-C3BS	0.5 - 1.5 ft	389	300	305	1430	455
13B-0559-C3CS	1.5 - 2.5 ft	1200	889	906	2980	733
13B-0560-C1BS	0.5 - 1.5 ft	530	512	573	2090	469
13B-0560-C1CS	1.5 - 2.5 ft	2110 J	1980 J	2240 J	9900 J	1960 J
13B-0560-C1GS	5.14 - 5.86 ft	1.20	1.81	8.06	3.78	1.01 U
13B-0560-C3AS	0 - 0.5 ft	1180	1070	590	4960	1140
13B-0561-C1BS	0.5 - 1.5 ft	2270	1270	858	4600	1190
13B-0561-C1CS	1.5 - 2.5 ft	2230	1370	805	5740	792
13B-0561-C2AS	0 - 0.5 ft	2320	1690	1480	8060	1520
13B-0562-G2AS	0 - 0.5 ft	1340	3120	3070	12300	1640
13B-0563-C1AS	0 - 0.5 ft	254	260	449	1070	289
13B-0563-C1AT	0 - 0.5 ft	303	327	357	1230	395
13B-0563-C1BS	0.5 - 1.5 ft	51.2	53.5	82.5	183	39.0
13B-0563-C2CS	1.1 - 2.5 ft	4560 J	3560 J	4120 J	12000 J	2610 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0563-C2IS	7.5 - 8.28 ft	1450	1660	3150	6320	927
13B-0564-G2AS	0 - 0.5 ft	325 J	254 J	275 J	1220 J	581 J
13B-0565-G1AS	0 - 0.5 ft	102	78.4	93.9	408	224
13B-0566-G3AS	0 - 0.5 ft	37.4	23.8	27.6	140	82.8
13B-0567-G2AS	0 - 0.5 ft	178 J	120 J	154 J	605 J	328 J
13B-0568-G2AS	0 - 0.5 ft	2190 J	1000 J	966 J	5110 J	1210 J
13B-0571-C3BS	0.5 - 1.5 ft	41.6	23.6	40.6	136	74.6
13B-0571-C3CS	1.5 - 2.5 ft	1.85	1.54	1.98 U	5.71	2.40
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	1.98 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	536 J	372 J	322 J	1930 J	654 J
13B-0572-C1BS	0.5 - 1.5 ft	1570	3250	1510	11400	1840
13B-0573-C2AS	0 - 0.5 ft	1200	1350	1890	6580	1280
13B-0573-C2BS	0.5 - 1.5 ft	237	419	248	1800	473
13B-0573-C2CS	1.5 - 2.5 ft	339	275	320	645	203
13B-0573-C2DS	2.5 - 3.75 ft	2.19	2.34	2.70	4.62	0.991 U
13B-0574-C2AS	0 - 0.5 ft	1330	984	927	4280	678
13B-0574-C2BS	0.5 - 1.5 ft	1910	1480	1570	6030	1170
13B-0574-C2CS	1.5 - 2.5 ft	1210	899	1650	3040	524
13B-0574-C2HS	6.4 - 7.4 ft	1690	1790	2840	4440	708
13B-0575-C1AS	0 - 0.5 ft	423	308	301	1290	530
13B-0575-C4BS	0.5 - 1.5 ft	651	577	458	1540	365
13B-0575-C4CS	1.5 - 2.5 ft	4.28	5.40	18.9	8.21	1.38
13B-0575-C4FS	4.3 - 5.44 ft	0.944 U	1.54	6.42	1.83	0.944 U
13B-0577-G1AS	0 - 0.5 ft	159 J	102 J	120 J	659 J	436 J
13B-0578-C5CS	1.5 - 2.5 ft	1770	1290	1540	5550	1000

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C2-Dibenzothiophenes	C2-Fluorenes	C2-NAPHTHALENES	C2-Phenanthrene/anthracenes	C3-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.03	1.01	2.17	1.03	1.38
Maximum Detect		7680	8170	12200	28900	3490
Mean of Detects		1030	882	927	3330	753
St. Dev. of Detects		1320	1110	1510	4210	651
CV of Detects		1.28	1.26	1.63	1.26	0.865
% Detected		96.1	96.5	94.8	98.7	93.0
Sample ID	Depth Interval					
13B-0578-C5CT	1.5 - 2.5 ft	1660	1130	1530	5020	1020
13B-0578-C5GS	5.25 - 6.25 ft	194	401	287	1400	400
13B-0578-C6AS	0 - 0.5 ft	500	490	444	1850	381
13B-0578-C6BS	0.5 - 1.5 ft	469	332	334	1090	257

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	515	428	490	1280	208
13B-0501-C1BS	0.5 - 1.5 ft	271	270	325	568	83.5
13B-0501-C1CS	1.5 - 2.5 ft	319	328	183	550	95.5
13B-0501-C2DS	2.5 - 3.32 ft	872	1440	1900	5110	397
13B-0502-C2AS	0 - 0.5 ft	524	372	260	973	162
13B-0502-C2BS	0.5 - 1.5 ft	576	457	437	1280	172
13B-0502-C2CS	1.5 - 2.45 ft	1690	1310	1800	4240	408
13B-0503-C1AS	0 - 0.5 ft	100	74.7	83.6	205	36.3
13B-0503-C1BS	0.5 - 1.5 ft	0.958 U	2.11	15.2	2.25	0.958 U
13B-0503-C1CS	1.5 - 2.5 ft	0.979 U	1.08	3.40	0.979 U	0.979 U
13B-0504-C2AS	0 - 0.5 ft	3870 J	2340 J	2860 J	6920 J	898 J
13B-0504-C4BS	0.5 - 1.5 ft	8820 J	5900 J	12700 J	19700 J	1760 J
13B-0504-C4CS	1.5 - 2.5 ft	2630	1930	2790	7380	583
13B-0504-C4KS	9.5 - 10.25 ft	1100	839	2140	3010	298
13B-0505-C1AS	0 - 0.5 ft	519 J	344 J	450 J	1230 J	267 J
13B-0505-C1BS	0.5 - 1.5 ft	500	575	1720	1990	165
13B-0505-C1CS	1.5 - 2.5 ft	1590	1300	919	2850	458
13B-0505-C1FS	4.5 - 5.2 ft	260	189	64.4	551	60.7
13B-0506-C2BS	0.5 - 1.5 ft	227	173	102	404	68.6
13B-0506-C2CS	1.5 - 2.5 ft	23.8	16.9	9.89	38.6	5.96
13B-0506-C3AS	0 - 0.5 ft	648 J	747 J	1100 J	2090 J	292 J
13B-0507-C2AS	0 - 0.5 ft	26.9	26.5	77.9	71.6	13.7
13B-0507-C2BS	0.5 - 1.5 ft	0.966 U	1.46	3.65	6.67	0.966 U
13B-0507-C2CS	1.5 - 2.5 ft	0.995 U	0.995 U	1.99 U	0.995 U	0.995 U
13B-0507-C2DS	2.5 - 3.5 ft	0.993 U	1.72	2.38	1.16	1.30

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0508-G3AS	0 - 0.5 ft	15.1	8.42	13.3	36.1	21.0
13B-0509-C1BS	0.5 - 1.5 ft	717	378	547	1310	194
13B-0509-C1CS	1.5 - 2.5 ft	2000	987	1870	3670	646
13B-0509-C1ES	3.17 - 4.17 ft	3200	2340	4750	8410	978
13B-0509-C2AS	0 - 0.5 ft	2070 J	1700 J	1270 J	3920 J	552 J
13B-0510-C1AS	0 - 0.5 ft	415	343	231	910	177
13B-0510-C3BS	0.5 - 1.9 ft	40.1	26.4	19.6	73.6	19.9
13B-0511-C1AS	0 - 0.5 ft	448 J	253 J	297 J	931 J	283 J
13B-0511-C3BS	0.5 - 1.5 ft	426	284	288	885	291
13B-0511-C3CS	1.5 - 2.5 ft	990	801	1040	1960	331
13B-0511-C3HS	5.95 - 6.95 ft	1830	1300	2050	3910	566
13B-0512-G1AS	0 - 0.5 ft	328 J	236 J	227 J	817 J	221 J
13B-0513-G1AS	0 - 0.5 ft	1460 J	1240 J	915 J	2830 J	419 J
13B-0514-G1AS	0 - 0.5 ft	610 J	505 J	743 J	1490 J	369 J
13B-0515-C1AS	0 - 0.5 ft	158	96.2	110	363	68.5
13B-0515-C1BS	0.5 - 1.71 ft	1.42	0.989 U	1.98 U	2.36	1.39
13B-0515-C2CS	1.5 - 2.19 ft	1.18	0.987 U	1.97 U	2.08	0.987 U
13B-0516-C2BS	0.5 - 1.5 ft	877 J	717 J	544 J	1730 J	422 J
13B-0516-C2CS	1.5 - 2.5 ft	2280 J	1860 J	1690 J	3750 J	638 J
13B-0516-C2LS	10.4 - 11.4 ft	1930	1570	2930	4560	593
13B-0516-C3AS	0 - 0.5 ft	489 J	296 J	334 J	1080 J	269 J
13B-0517-G2AS	0 - 0.5 ft	22.3	14.0	13.5	49.0	18.6
13B-0518-G1AS	0 - 0.5 ft	271	196	230	697	137
13B-0518-G1AT	0 - 0.5 ft	198	139	138	487	119
13B-0519-C2BS	0.5 - 1.5 ft	570	393	407	1250	282

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0519-C2CS	1.5 - 2.5 ft	2100	1900	2420	4490	742
13B-0519-C2RS	16.1 - 17.1 ft	1.02	0.984 U	1.97 U	0.984 U	0.984 U
13B-0519-C5AS	0 - 0.5 ft	402	267	282	917	211
13B-0520-G1AS	0 - 0.5 ft	210 J	132 J	145 J	437 J	132 J
13B-0521-C2AS	0 - 0.5 ft	184	158	267	498	101
13B-0521-C2BS	0.5 - 1.5 ft	91.0	60.6	99.8	223	42.3
13B-0521-C2CS	1.5 - 2.5 ft	166	117	149	386	85.9
13B-0521-C2HS	6.5 - 7.63 ft	5200 J	4540 J	5250 J	10000 J	1220 J
13B-0522-G1AS	0 - 0.5 ft	336 J	207 J	243 J	744 J	209 J
13B-0522-G1AT	0 - 0.5 ft	256 J	139 J	182 J	560 J	181 J
13B-0523-G2AS	0 - 0.5 ft	441 J	221 J	260 J	939 J	348 J
13B-0524-C1AS	0 - 0.5 ft	583 J	499 J	1340 J	1710 J	331 J
13B-0524-C1BS	0.5 - 1.5 ft	1200 J	654 J	1080 J	2410 J	352 J
13B-0524-C1CS	1.5 - 2.5 ft	923 J	547 J	776 J	1850 J	354 J
13B-0524-C1GS	5.39 - 6.39 ft	3090 J	2760 J	3830 J	7070 J	930 J
13B-0525-C1BS	0.5 - 1.5 ft	576 J	346 J	367 J	1260 J	381 J
13B-0525-C1CS	1.5 - 2.5 ft	675 J	430 J	415 J	1400 J	351 J
13B-0525-C1HS	6.42 - 7.42 ft	1330	1290	1450	2710	435
13B-0525-C2AS	0 - 0.5 ft	457 J	255 J	271 J	1020 J	276 J
13B-0526-C1BS	0.5 - 1.5 ft	3650 J	2820 J	3050 J	7540 J	787 J
13B-0526-C1HS	6.5 - 7.62 ft	657	505	833	1450	159
13B-0526-C2AS	0 - 0.5 ft	6720 J	5160 J	15800 J	13300 J	1520 J
13B-0526-C2CS	1.5 - 2.5 ft	5040 J	3770 J	6700 J	12900 J	1060 J
13B-0526-C2CT	1.5 - 2.5 ft	6370 J	3520 J	6440 J	12600 J	943 J
13B-0527-C2AS	0 - 0.5 ft	21.9	13.4	11.7	44.3	13.7

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0527-C2CS	1.5 - 2.6 ft	0.981 U	0.981 U	1.96 U	0.981 U	0.981 U
13B-0527-C3BS	0.5 - 1.5 ft	0.976 U	0.976 U	1.95 U	1.21	0.976 U
13B-0528-C3BS	0.5 - 1.5 ft	4980 J	2850 J	3280 J	12700 J	921 J
13B-0528-C3CS	1.5 - 2.5 ft	5630 J	3150 J	2660 J	13800 J	966 J
13B-0528-C3LS	10.5 - 11.54 ft	2460	2430	5300	7780	818
13B-0528-C4AS	0 - 0.5 ft	491 J	251 J	263 J	1080 J	307 J
13B-0529-C2AS	0 - 0.5 ft	965	1080	1520	3220	500
13B-0529-C2BS	0.5 - 1.5 ft	142	123	184	333	51.1
13B-0529-C2CS	1.5 - 2.5 ft	268	298	311	772	98.0
13B-0529-C2ES	3.5 - 4.2 ft	38.5	30.1	34.1	86.8	11.6
13B-0530-C1AS	0 - 0.5 ft	137	113	110	369	83.6
13B-0530-C1BS	0.5 - 1.5 ft	437 J	439 J	392 J	1070 J	210 J
13B-0530-C3CS	1.5 - 1.93 ft	388	420	460	1070	143
13B-0531-C1AS	0 - 0.5 ft	354	369	438	1050	259
13B-0531-C1AT	0 - 0.5 ft	399	302	283	1000	179
13B-0531-C2BS	0.5 - 1.5 ft	278	257	195	724	91.4
13B-0531-C2CS	1.5 - 2.5 ft	401	521	227	1350	159
13B-0531-C2ES	3.5 - 4.42 ft	172	411	1070	1710	285
13B-0532-C1AS	0 - 0.5 ft	297	237	336	675	137
13B-0532-C1BS	0.5 - 1.5 ft	138	102	173	268	62.2
13B-0532-C1CS	1.5 - 2.5 ft	332	226	504	633	108
13B-0532-C1DS	2.5 - 3.73 ft	63.4	56.0	101	143	14.3
13B-0533-C2BS	0.5 - 1.5 ft	4640 J	2970 J	2690 J	9770 J	1080 J
13B-0533-C2CS	1.5 - 2.5 ft	2100 J	1270 J	2200 J	5280 J	836 J
13B-0533-C3AS	0 - 0.5 ft	560 J	323 J	379 J	1330 J	298 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0533-C3AT	0 - 0.5 ft	554 J	352 J	366 J	1250 J	390 J
13B-0533-C3JS	8.5 - 9.35 ft	1980	1420	1750	4860	846
13B-0533-C3JT	8.5 - 9.35 ft	1830	1170	1630	4580	724
13B-0534-C2BS	0.5 - 1.5 ft	2570	2010	2310	5830	693
13B-0534-C2CS	1.5 - 2.5 ft	1200	970	1320	2770	283
13B-0534-C2IS	7.5 - 8.59 ft	1480	1060	1910	2840	611
13B-0534-G1AS	0 - 0.5 ft	592 J	466 J	362 J	1140 J	215 J
13B-0534-G1AT	0 - 0.5 ft	576 J	440 J	510 J	1130 J	242 J
13B-0535-C2AS	0 - 0.5 ft	734 J	457 J	419 J	1540 J	370 J
13B-0535-C2BS	0.5 - 1.5 ft	131	86.1	79.6	246	44.1
13B-0535-C2CS	1.5 - 2.45 ft	29.3	16.3	17.9	52.7	9.47
13B-0536-C1BS	0.5 - 1.5 ft	511	304	378	1040	174
13B-0536-C1CS	1.5 - 2.5 ft	1690	846	1520	3670	576
13B-0536-C1FS	4.28 - 5.28 ft	2060	5010	11800	11600	1240
13B-0536-C3AS	0 - 0.5 ft	1860	1350	2490	4960	496
13B-0537-C3AS	0 - 0.5 ft	331	242	274	766	169
13B-0538-C2AS	0 - 0.5 ft	540 J	337 J	383 J	1230 J	428 J
13B-0538-C3BS	0.5 - 1.5 ft	7830 J	4530 J	4330 J	11500 J	1190 J
13B-0538-C3CS	1.5 - 2.5 ft	5570 J	2780 J	6500 J	7580 J	810 J
13B-0538-C3ES	3.5 - 4.8 ft	302	717	1760	1950	179
13B-0539-C3BS	0.5 - 1.5 ft	1890	1360	1680	4910	600
13B-0539-C3CS	1.5 - 2.5 ft	1540	1020	1380	3020	604
13B-0539-C3HS	6.5 - 7.59 ft	22.8	19.2	21.0	78.6	17.1
13B-0539-G2AS	0 - 0.5 ft	1570 J	1190 J	1030 J	3550 J	532 J
13B-0539-G2AT	0 - 0.5 ft	1930 J	1330 J	1170 J	4300 J	623 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0540-C3AS	0 - 0.5 ft	1370 J	1260 J	1300 J	3050 J	577 J
13B-0540-C4BS	0.5 - 1.5 ft	841 J	566 J	889 J	1820 J	291 J
13B-0540-C4CS	1.5 - 2.5 ft	3870 J	2540 J	3090 J	6330 J	876 J
13B-0540-C4LS	10.3 - 11.25 ft	158	143	158	409	53.3
13B-0541-C1BS	0.5 - 1.5 ft	895	957	1960	2370	261
13B-0541-C1CS	1.5 - 2.5 ft	452	273	339	865	137
13B-0541-C1FS	4.5 - 5.67 ft	0.995 U	0.995 U	1.99 U	0.995 U	0.995 U
13B-0541-C2AS	0 - 0.5 ft	2090 J	1180 J	1170 J	3560 J	491 J
13B-0542-C2AS	0 - 0.5 ft	1520	3260	15700	14300	947
13B-0542-C2BS	0.5 - 1.5 ft	545	886	1520	2570	286
13B-0542-C2CS	1.5 - 2.5 ft	297	342	556	1430	258
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.980 U	1.96 U	0.980 U	0.980 U
13B-0543-G1AS	0 - 0.5 ft	438 J	293 J	365 J	1070 J	279 J
13B-0544-C2AS	0 - 0.5 ft	344 J	229 J	215 J	810 J	223 J
13B-0544-C2BS	0.5 - 1.5 ft	241	161	216	495	123
13B-0544-C2CS	1.5 - 2.5 ft	372 J	208 J	268 J	726 J	236 J
13B-0544-C2ES	3 - 3.97 ft	472	367	752	1010	176
13B-0546-G2AS	0 - 0.5 ft	691	594	551	1810	211
13B-0547-C2AS	0 - 0.5 ft	3090 J	1820 J	1040 J	5780 J	750 J
13B-0547-C2BS	0.5 - 1.5 ft	1400 J	1010 J	797 J	3510 J	518 J
13B-0547-C2CS	1.5 - 2.05 ft	1500	1580	4150	5640	1310
13B-0548-C1IS	7.5 - 8.79 ft	1.30	1.18	2.54	2.47	0.962 U
13B-0548-C2AS	0 - 0.5 ft	840	1030	2140	3080	433
13B-0548-C2BS	0.5 - 1.5 ft	475	361	510 J	1110	217 J
13B-0548-C2BT	0.5 - 1.5 ft	566	488	891 J	1600	420 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0548-C2CS	1.5 - 2.5 ft	544	343	417	1080	214
13B-0549-C2AS	0 - 0.5 ft	224	138	191	473	102
13B-0549-C3BS	0.5 - 1.5 ft	842	769	2190	2890	327
13B-0549-C3CS	1.5 - 2.65 ft	306	414	752	1130	140
13B-0550-C1AS	0 - 0.5 ft	646 J	469 J	537 J	1690 J	262 J
13B-0550-C3BS	0.5 - 1.5 ft	278	212	316	743	109
13B-0550-C3CS	1.5 - 2.5 ft	60.1	85.7	160	414	78.0
13B-0551-G2AS	0 - 0.5 ft	219	161	102	601	147
13B-0552-C1BS	0.5 - 1.5 ft	74.4	63.0	147	486	23.2
13B-0552-C1CS	1.5 - 2.2 ft	10.8 J	6.77 J	5.57	24.4 J	7.23
13B-0552-C1CT	1.5 - 2.2 ft	22.0 J	14.6 J	12.9	53.2 J	10.1
13B-0552-C3AS	0 - 0.5 ft	293 J	196 J	257 J	695 J	189 J
13B-0553-C1AS	0 - 0.5 ft	845	452	1160	1640	347
13B-0553-C2BS	0.5 - 1.5 ft	979	508	1210	1970	361
13B-0553-C2CS	1.5 - 2.5 ft	2790	970	2060	4130	626
13B-0554-C1BS	0.5 - 1.5 ft	364	242	261	771	246
13B-0554-C1CS	1.5 - 2.5 ft	592	404	280	1000	219
13B-0554-C1ES	3.5 - 4.7 ft	4.68	5.94	10.6	30.3	7.43
13B-0554-G2AS	0 - 0.5 ft	350 J	240 J	278 J	830 J	169 J
13B-0555-C1AS	0 - 0.5 ft	2890 J	2410 J	2230 J	6310 J	768 J
13B-0555-C2BS	0.5 - 1.5 ft	2670 J	1680 J	2150 J	5240 J	667 J
13B-0555-C2CS	1.5 - 2 ft	3570 J	2900 J	7980 J	6210 J	637 J
13B-0555-C2DS	2 - 3 ft	2150 J	1560 J	1090 J	4360 J	655 J
13B-0556-C2AS	0 - 0.5 ft	171 J	131 J	143 J	382 J	89.5 J
13B-0556-C2BS	0.5 - 1.5 ft	490	334	291	951	258

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0556-C2CS	1.5 - 2.38 ft	216	143	116	400	100
13B-0557-C1AS	0 - 0.5 ft	614	542	579	1370	280
13B-0557-C2BS	0.5 - 1.5 ft	813 J	602 J	782 J	1600 J	368 J
13B-0557-C2CS	1.5 - 2.5 ft	1450 J	1130 J	1470 J	2860 J	612 J
13B-0557-C2ES	3.5 - 4.5 ft	1640	1220	1780	2920	417
13B-0558-C2BS	0.5 - 1.5 ft	747	516	888	1530	265
13B-0558-C2CS	1.5 - 2.5 ft	598	372	521	1070	212
13B-0558-C2FS	4.5 - 5.75 ft	1.91	1.03	1.94 U	4.69	1.02
13B-0558-C3AS	0 - 0.5 ft	1720 J	889 J	1490 J	3720 J	281 J
13B-0559-C2GS	5.5 - 646 ft	575	450	609	1120	161
13B-0559-C3AS	0 - 0.5 ft	246	191	266	606	111
13B-0559-C3BS	0.5 - 1.5 ft	470	307	391	1110	231
13B-0559-C3CS	1.5 - 2.5 ft	1400	1060	1560	2210	409
13B-0560-C1BS	0.5 - 1.5 ft	541	409	655	1290	195
13B-0560-C1CS	1.5 - 2.5 ft	1860 J	1470 J	3120 J	5560 J	787 J
13B-0560-C1GS	5.14 - 5.86 ft	1.32	1.43	8.41	3.47	1.01 U
13B-0560-C3AS	0 - 0.5 ft	1210	828	893	3160	402
13B-0561-C1BS	0.5 - 1.5 ft	2160	1220	1320	3950	515
13B-0561-C1CS	1.5 - 2.5 ft	1880	1340	1250	4150	315
13B-0561-C2AS	0 - 0.5 ft	2050	1390	2790	4940	665
13B-0562-G2AS	0 - 0.5 ft	1010	1590	4620	6000	572
13B-0563-C1AS	0 - 0.5 ft	207	185	342	624	110
13B-0563-C1AT	0 - 0.5 ft	254	222	382	717	151
13B-0563-C1BS	0.5 - 1.5 ft	40.8	35.6	66.3	101	17.4
13B-0563-C2CS	1.1 - 2.5 ft	4380 J	4300 J	5610 J	8960 J	1090 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0563-C2IS	7.5 - 8.28 ft	1150	1160	2980	3680	362
13B-0564-G2AS	0 - 0.5 ft	402 J	317 J	249 J	1060 J	290 J
13B-0565-G1AS	0 - 0.5 ft	121	77.9	96.1	262	123
13B-0566-G3AS	0 - 0.5 ft	44.5	25.7	28.3	96.8	44.1
13B-0567-G2AS	0 - 0.5 ft	219 J	126 J	144 J	475 J	168 J
13B-0568-G2AS	0 - 0.5 ft	2350 J	1220 J	2130 J	4280 J	620 J
13B-0571-C3BS	0.5 - 1.5 ft	39.2	22.0	39.9	82.1	41.1
13B-0571-C3CS	1.5 - 2.5 ft	1.90	1.29	2.08	3.86	1.66
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	1.98 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	561 J	372 J	338 J	1220 J	308 J
13B-0572-C1BS	0.5 - 1.5 ft	1330	2570	4160	8260	885
13B-0573-C2AS	0 - 0.5 ft	985	968	1970	3090	451
13B-0573-C2BS	0.5 - 1.5 ft	231	343	291	940	201
13B-0573-C2CS	1.5 - 2.5 ft	362	291	440	609	102
13B-0573-C2DS	2.5 - 3.75 ft	2.20	2.35	3.04	3.94	0.991 U
13B-0574-C2AS	0 - 0.5 ft	1290	1010	1500	3090	293
13B-0574-C2BS	0.5 - 1.5 ft	1780	1270	2280	3870	494
13B-0574-C2CS	1.5 - 2.5 ft	1090	824	2780	2150	250
13B-0574-C2HS	6.4 - 7.4 ft	1590	1810	4540	3330	334
13B-0575-C1AS	0 - 0.5 ft	497	343	353	978	267
13B-0575-C4BS	0.5 - 1.5 ft	711	604	930	1380	167
13B-0575-C4CS	1.5 - 2.5 ft	2.83	3.38	15.8	4.86	1.13
13B-0575-C4FS	4.3 - 5.44 ft	0.944 U	1.04	4.31	0.944 U	0.944 U
13B-0577-G1AS	0 - 0.5 ft	170 J	89.5 J	127 J	420 J	232 J
13B-0578-C5CS	1.5 - 2.5 ft	1690	1030	1930	3570	464

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C3-Dibenzothiophenes	C3-Fluorenes	C3-NAPHTHALENE	C3-Phenanthrene/anthracenes	C4-Benzanthracene/chrysenes
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.02	1.03	2.08	1.16	1.02
Maximum Detect		8820	5900	15800	19700	1760
Mean of Detects		1110	835	1350	2540	355
St. Dev. of Detects		1420	1030	2230	3130	312
CV of Detects		1.28	1.24	1.65	1.23	0.879
% Detected		95.2	96.1	95.6	96.5	93.4
Sample ID	Depth Interval					
13B-0578-C5CT	1.5 - 2.5 ft	1570	864	1910	3320	486
13B-0578-C5GS	5.25 - 6.25 ft	156	228	555	659	151
13B-0578-C6AS	0 - 0.5 ft	490	383	657	1150	175
13B-0578-C6BS	0.5 - 1.5 ft	458	286	461	789	133

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	227	368	509	3860	339 J
13B-0501-C1BS	0.5 - 1.5 ft	140	414	257	1350	139 J
13B-0501-C1CS	1.5 - 2.5 ft	171	225	307	1110	104 J
13B-0501-C2DS	2.5 - 3.32 ft	404	2160	2180	5190 J	264 J
13B-0502-C2AS	0 - 0.5 ft	264	255	490	2120	183 J
13B-0502-C2BS	0.5 - 1.5 ft	313	537	613	2890	259 J
13B-0502-C2CS	1.5 - 2.45 ft	897	1870	2000	4770 J	331 J
13B-0503-C1AS	0 - 0.5 ft	39.6	58.4	77.1	392	47.0
13B-0503-C1BS	0.5 - 1.5 ft	0.958 U	9.34	2.19	1.13	0.161 J
13B-0503-C1CS	1.5 - 2.5 ft	0.979 U	1.88	0.979 U	0.795 J	0.149 J
13B-0504-C2AS	0 - 0.5 ft	2150 J	4370 J	3700 J	6020 J	346 J
13B-0504-C4BS	0.5 - 1.5 ft	5150 J	12800 J	11000 J	9620 J	967 J
13B-0504-C4CS	1.5 - 2.5 ft	1520	2910	3910	4930	306 J
13B-0504-C4KS	9.5 - 10.25 ft	615	1340	1500	3240 J	231 J
13B-0505-C1AS	0 - 0.5 ft	319 J	377 J	647 J	3800 J	397 J
13B-0505-C1BS	0.5 - 1.5 ft	218	867	648	7410 J	457 J
13B-0505-C1CS	1.5 - 2.5 ft	913	1800	1620	3390	421 J
13B-0505-C1FS	4.5 - 5.2 ft	118	102	248	739	77.8 J
13B-0506-C2BS	0.5 - 1.5 ft	129	145	203	829	88.1
13B-0506-C2CS	1.5 - 2.5 ft	12.4	13.1	19.6	70.2	9.08
13B-0506-C3AS	0 - 0.5 ft	324 J	775 J	848 J	4190 J	308 J
13B-0507-C2AS	0 - 0.5 ft	14.7	45.6	40.8	176	27.3
13B-0507-C2BS	0.5 - 1.5 ft	0.966 U	1.60	8.54	1.97	0.267 J
13B-0507-C2CS	1.5 - 2.5 ft	0.995 U	1.03	0.995 U	0.330 J	0.995 U
13B-0507-C2DS	2.5 - 3.5 ft	0.993 U	1.69	0.993 U	1.75	0.331 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0508-G3AS	0 - 0.5 ft	12.8	7.27	21.3	270	40.6
13B-0509-C1BS	0.5 - 1.5 ft	489	545	806	1880	169 J
13B-0509-C1CS	1.5 - 2.5 ft	1360	1720	2300	5770	384 J
13B-0509-C1ES	3.17 - 4.17 ft	1970	3470	4770	6740	401 J
13B-0509-C2AS	0 - 0.5 ft	1230 J	2380 J	2150 J	3710 J	317 J
13B-0510-C1AS	0 - 0.5 ft	258	222	478	3300	300 J
13B-0510-C3BS	0.5 - 1.9 ft	23.7	22.9	45.5	200	32.6
13B-0511-C1AS	0 - 0.5 ft	302 J	268 J	499 J	3400 J	236 J
13B-0511-C3BS	0.5 - 1.5 ft	291	282	479	3450	234 J
13B-0511-C3CS	1.5 - 2.5 ft	616	1300	1050	2610	195 J
13B-0511-C3HS	5.95 - 6.95 ft	1050	2190	1960	4300	314 J
13B-0512-G1AS	0 - 0.5 ft	214 J	220 J	442 J	2480 J	208 J
13B-0513-G1AS	0 - 0.5 ft	927 J	1640 J	1600 J	3740 J	253 J
13B-0514-G1AS	0 - 0.5 ft	316 J	636 J	683 J	4250 J	323 J
13B-0515-C1AS	0 - 0.5 ft	85.6	95.7	165	773	99.0
13B-0515-C1BS	0.5 - 1.71 ft	1.20	0.989 U	1.55	5.40	1.21
13B-0515-C2CS	1.5 - 2.19 ft	0.987 U	1.17	1.05	2.19	0.250 J
13B-0516-C2BS	0.5 - 1.5 ft	605 J	546 J	985 J	3990 J	297 J
13B-0516-C2CS	1.5 - 2.5 ft	1520 J	2480 J	2210 J	3680 J	243 J
13B-0516-C2LS	10.4 - 11.4 ft	1060	2960	2440	4070	235 J
13B-0516-C3AS	0 - 0.5 ft	326 J	316 J	575 J	3410 J	244 J
13B-0517-G2AS	0 - 0.5 ft	12.0	12.2	22.4	165	24.8
13B-0518-G1AS	0 - 0.5 ft	143	163	309	3420 J	265 J
13B-0518-G1AT	0 - 0.5 ft	114	99.9	232	1920 J	184 J
13B-0519-C2BS	0.5 - 1.5 ft	371	344	600	3520	220 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0519-C2CS	1.5 - 2.5 ft	1260	3210	2450	5480	259 J
13B-0519-C2RS	16.1 - 17.1 ft	0.984 U	0.984 U	0.984 U	1.56	0.984 U
13B-0519-C5AS	0 - 0.5 ft	234	216	440	3090	216 J
13B-0520-G1AS	0 - 0.5 ft	132 J	113 J	217 J	1930 J	206 J
13B-0521-C2AS	0 - 0.5 ft	86.4	159	215	1400	148 J
13B-0521-C2BS	0.5 - 1.5 ft	42.4	67.9	93.5	742	96.9
13B-0521-C2CS	1.5 - 2.5 ft	94.3	107	227	1620	169
13B-0521-C2HS	6.5 - 7.63 ft	2920 J	7400 J	5140 J	10200 J	1150 J
13B-0522-G1AS	0 - 0.5 ft	211 J	191 J	414 J	2340 J	236 J
13B-0522-G1AT	0 - 0.5 ft	165 J	145 J	321 J	2010 J	234 J
13B-0523-G2AS	0 - 0.5 ft	312 J	214 J	542 J	3280 J	297 J
13B-0524-C1AS	0 - 0.5 ft	300 J	575 J	654 J	11600 J	858 J
13B-0524-C1BS	0.5 - 1.5 ft	523 J	652 J	984 J	5510 J	408 J
13B-0524-C1CS	1.5 - 2.5 ft	523 J	606 J	850 J	5230 J	407 J
13B-0524-C1GS	5.39 - 6.39 ft	1600 J	3220 J	2860 J	18800 J	1270 J
13B-0525-C1BS	0.5 - 1.5 ft	416 J	304 J	725 J	4740 J	354 J
13B-0525-C1CS	1.5 - 2.5 ft	490 J	374 J	789 J	4050 J	245 J
13B-0525-C1HS	6.42 - 7.42 ft	862	1540	1510	3670	222 J
13B-0525-C2AS	0 - 0.5 ft	281 J	240 J	559 J	3320 J	260 J
13B-0526-C1BS	0.5 - 1.5 ft	2120 J	4750 J	4170 J	5970 J	502 J
13B-0526-C1HS	6.5 - 7.62 ft	303	753	604	1630	144 J
13B-0526-C2AS	0 - 0.5 ft	3410 J	15200 J	6350 J	11800 J	615 J
13B-0526-C2CS	1.5 - 2.5 ft	2820 J	7560 J	6930 J	7230 J	481 J
13B-0526-C2CT	1.5 - 2.5 ft	3520 J	7770 J	7180 J	7150 J	359 J
13B-0527-C2AS	0 - 0.5 ft	15.3	11.1	24.3	160	27.0

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0527-C2CS	1.5 - 2.6 ft	0.981 U	0.981 U	0.981 U	1.83	0.331 J
13B-0527-C3BS	0.5 - 1.5 ft	0.976 U	0.976 U	0.976 U	3.35	0.573 J
13B-0528-C3BS	0.5 - 1.5 ft	2870 J	5420 J	6770 J	6560 J	379 J
13B-0528-C3CS	1.5 - 2.5 ft	3540 J	3810 J	8150 J	5740 J	303 J
13B-0528-C3LS	10.5 - 11.54 ft	1300	3700	3810	8260	472 J
13B-0528-C4AS	0 - 0.5 ft	342 J	238 J	639 J	3520 J	318 J
13B-0529-C2AS	0 - 0.5 ft	328	1060	1030	12900 J	450 J
13B-0529-C2BS	0.5 - 1.5 ft	56.4	137	119	1020	113 J
13B-0529-C2CS	1.5 - 2.5 ft	104	325	287	1360	114 J
13B-0529-C2ES	3.5 - 4.2 ft	16.5	27.1	33.1	247	30.4
13B-0530-C1AS	0 - 0.5 ft	71.0	86.5	171	1090	108 J
13B-0530-C1BS	0.5 - 1.5 ft	277 J	398 J	582 J	1700 J	156 J
13B-0530-C3CS	1.5 - 1.93 ft	180	477	412	1470	146
13B-0531-C1AS	0 - 0.5 ft	165	296	400	7350 J	326 J
13B-0531-C1AT	0 - 0.5 ft	177	244	407	2260 J	189 J
13B-0531-C2BS	0.5 - 1.5 ft	141	330	372	1040 J	111 J
13B-0531-C2CS	1.5 - 2.5 ft	138	497	495	2330	155 J
13B-0531-C2ES	3.5 - 4.42 ft	60.4	639	540	4030	158 J
13B-0532-C1AS	0 - 0.5 ft	133	212	274	1920	179 J
13B-0532-C1BS	0.5 - 1.5 ft	85.6	120	131	1260	138 J
13B-0532-C1CS	1.5 - 2.5 ft	194	331	327	1030	103
13B-0532-C1DS	2.5 - 3.73 ft	24.6	64.9	51.5	250	23.1
13B-0533-C2BS	0.5 - 1.5 ft	2550 J	4550 J	5040 J	8660 J	448 J
13B-0533-C2CS	1.5 - 2.5 ft	1380 J	1670 J	3180 J	7340 J	401 J
13B-0533-C3AS	0 - 0.5 ft	379 J	365 J	696 J	3480 J	275 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0533-C3AT	0 - 0.5 ft	366 J	342 J	674 J	4690 J	278 J
13B-0533-C3JS	8.5 - 9.35 ft	1290	1480	2960	6730	294 J
13B-0533-C3JT	8.5 - 9.35 ft	1230	1230	2800	6660	381 J
13B-0534-C2BS	0.5 - 1.5 ft	1450	2810	2920	5980	302 J
13B-0534-C2CS	1.5 - 2.5 ft	720	1580	1480	2620	202 J
13B-0534-C2IS	7.5 - 8.59 ft	1020	1660	1770	5950	501 J
13B-0534-G1AS	0 - 0.5 ft	332 J	658 J	586 J	2340 J	261 J
13B-0534-G1AT	0 - 0.5 ft	346 J	622 J	619 J	2480 J	248 J
13B-0535-C2AS	0 - 0.5 ft	460 J	406 J	808 J	4540 J	348 J
13B-0535-C2BS	0.5 - 1.5 ft	78.1	79.7	128	635	77.2
13B-0535-C2CS	1.5 - 2.45 ft	17.9	11.2	29.7	107	19.5
13B-0536-C1BS	0.5 - 1.5 ft	330	367	611	1530	127 J
13B-0536-C1CS	1.5 - 2.5 ft	1090	1260	2200	4930	321 J
13B-0536-C1FS	4.28 - 5.28 ft	1010	7690	5310	13500	1170 J
13B-0536-C3AS	0 - 0.5 ft	1110	2360	2670	4920	254 J
13B-0537-C3AS	0 - 0.5 ft	169	206	350	2390	176 J
13B-0538-C2AS	0 - 0.5 ft	399 J	366 J	945 J	4150 J	321 J
13B-0538-C3BS	0.5 - 1.5 ft	4450 J	8180 J	6480 J	6370 J	341 J
13B-0538-C3CS	1.5 - 2.5 ft	2950 J	8120 J	4010 J	5090 J	245 J
13B-0538-C3ES	3.5 - 4.8 ft	149	1130	852	2310	181 J
13B-0539-C3BS	0.5 - 1.5 ft	1160	1890	2560	5480	231 J
13B-0539-C3CS	1.5 - 2.5 ft	1000	1320	1800	5530	234 J
13B-0539-C3HS	6.5 - 7.59 ft	9.93	13.2	46.5	802	77.6
13B-0539-G2AS	0 - 0.5 ft	998 J	1250 J	1880 J	3710 J	214 J
13B-0539-G2AT	0 - 0.5 ft	1180 J	1460 J	2270 J	4520 J	210 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0540-C3AS	0 - 0.5 ft	818 J	1620 J	1570 J	6280 J	338 J
13B-0540-C4BS	0.5 - 1.5 ft	489 J	1000 J	956 J	3290 J	226 J
13B-0540-C4CS	1.5 - 2.5 ft	2240 J	4780 J	3460 J	5020 J	272 J
13B-0540-C4LS	10.3 - 11.25 ft	83.9	136	206	505	55.8
13B-0541-C1BS	0.5 - 1.5 ft	460	1420	1090	2740	205 J
13B-0541-C1CS	1.5 - 2.5 ft	277	299	491	1090	109
13B-0541-C1FS	4.5 - 5.67 ft	0.995 U	0.995 U	0.995 U	0.871 J	0.162 J
13B-0541-C2AS	0 - 0.5 ft	1180 J	1670 J	1760 J	4470 J	257 J
13B-0542-C2AS	0 - 0.5 ft	666	8440	6340	10900	513 J
13B-0542-C2BS	0.5 - 1.5 ft	282	1020	1270	2910	208 J
13B-0542-C2CS	1.5 - 2.5 ft	142	322	735	5890	526 J
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.980 U	0.980 U	0.284 J	0.197 J
13B-0543-G1AS	0 - 0.5 ft	267 J	293 J	530 J	4200 J	349 J
13B-0544-C2AS	0 - 0.5 ft	237 J	170 J	432 J	4380 J	229 J
13B-0544-C2BS	0.5 - 1.5 ft	158	177	272	1830	155
13B-0544-C2CS	1.5 - 2.5 ft	256 J	216 J	400 J	2820 J	177 J
13B-0544-C2ES	3 - 3.97 ft	271	487	489	1740	129 J
13B-0546-G2AS	0 - 0.5 ft	276	476	667	2190	257
13B-0547-C2AS	0 - 0.5 ft	1870 J	1730 J	3200 J	5310 J	359 J
13B-0547-C2BS	0.5 - 1.5 ft	915 J	1140 J	2110 J	3260 J	289 J
13B-0547-C2CS	1.5 - 2.05 ft	793	2520	2440	23100	636 J
13B-0548-C1IS	7.5 - 8.79 ft	0.962 U	1.99 U	1.37	2.84	0.436 J
13B-0548-C2AS	0 - 0.5 ft	353	1150	1250	5500	276 J
13B-0548-C2BS	0.5 - 1.5 ft	222	343	473	3080 J	206 J
13B-0548-C2BT	0.5 - 1.5 ft	261	528	632	7550 J	259 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0548-C2CS	1.5 - 2.5 ft	332	351	580	2010	154 J
13B-0549-C2AS	0 - 0.5 ft	128	145	247	1080	110
13B-0549-C3BS	0.5 - 1.5 ft	439	1220	1360	3080	189 J
13B-0549-C3CS	1.5 - 2.65 ft	140	446	531	2090	164
13B-0550-C1AS	0 - 0.5 ft	335 J	415 J	700 J	4170 J	368 J
13B-0550-C3BS	0.5 - 1.5 ft	146	272	336	1700 J	183 J
13B-0550-C3CS	1.5 - 2.5 ft	24.7	92.6	195	1850	185 J
13B-0551-G2AS	0 - 0.5 ft	132	116	276	2740	197 J
13B-0552-C1BS	0.5 - 1.5 ft	37.4	95.1	1210	317 J	29.6
13B-0552-C1CS	1.5 - 2.2 ft	5.51	4.40	13.0	97.6 J	13.7
13B-0552-C1CT	1.5 - 2.2 ft	8.90	12.2	19.3	189 J	19.4
13B-0552-C3AS	0 - 0.5 ft	174 J	188 J	336 J	2680 J	248 J
13B-0553-C1AS	0 - 0.5 ft	525	1250	893	2220	174 J
13B-0553-C2BS	0.5 - 1.5 ft	647	1020	1110	3040	201 J
13B-0553-C2CS	1.5 - 2.5 ft	1880	1900	2620	3340	222 J
13B-0554-C1BS	0.5 - 1.5 ft	265	228	468	2780	207 J
13B-0554-C1CS	1.5 - 2.5 ft	441	408	613	1700	151 J
13B-0554-C1ES	3.5 - 4.7 ft	2.12	7.06	18.3	102	14.8
13B-0554-G2AS	0 - 0.5 ft	195 J	226 J	402 J	2340 J	198 J
13B-0555-C1AS	0 - 0.5 ft	1620 J	3340 J	3480 J	5330 J	331 J
13B-0555-C2BS	0.5 - 1.5 ft	1520 J	2950 J	2570 J	5410 J	395 J
13B-0555-C2CS	1.5 - 2 ft	1800 J	7550 J	3060 J	4420 J	357 J
13B-0555-C2DS	2 - 3 ft	1320 J	1980 J	2480 J	3710 J	198 J
13B-0556-C2AS	0 - 0.5 ft	106 J	114 J	171 J	1670 J	174 J
13B-0556-C2BS	0.5 - 1.5 ft	307	270	492	3050	242 J

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DATA RESULTS SUMMARY
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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**C4-Dibenzothiophenes**	**C4-NAPHTHALENE**	**C4-Phenanthrenes/anthracenes**	**Chrysene**	**Dibenzo(a,h)anthracene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**1.2**	**1.03**	**1.05**	**0.284**	**0.149**
	Maximum Detect	**5150**	**15200**	**11000**	**23100**	**1270**
	Mean of Detects	**637**	**1310**	**1300**	**3610**	**248**
	St. Dev. of Detects	**809**	**2110**	**1660**	**3270**	**202**
	CV of Detects	**1.27**	**1.62**	**1.28**	**0.907**	**0.815**
	% Detected	**93.0**	**96.5**	**95.6**	**99.1**	**98.3**
Sample ID	**Depth Interval**					
13B-0556-C2CS	1.5 - 2.38 ft	132	111	216	1110	141 J
13B-0557-C1AS	0 - 0.5 ft	332	473	593	3910	274 J
13B-0557-C2BS	0.5 - 1.5 ft	497 J	737 J	774 J	4170 J	259 J
13B-0557-C2CS	1.5 - 2.5 ft	853 J	1500 J	1390 J	5030 J	310 J
13B-0557-C2ES	3.5 - 4.5 ft	862	1730	1390	4070	260 J
13B-0558-C2BS	0.5 - 1.5 ft	415	620	747	2410	183 J
13B-0558-C2CS	1.5 - 2.5 ft	372	467	587	1710	151 J
13B-0558-C2FS	4.5 - 5.75 ft	0.971 U	1.33	1.71	12.3	2.14
13B-0558-C3AS	0 - 0.5 ft	601 J	1110 J	1220 J	3050 J	224 J
13B-0559-C2GS	5.5 - 646 ft	286	557	532	1940	140 J
13B-0559-C3AS	0 - 0.5 ft	131	167	253	1990	164 J
13B-0559-C3BS	0.5 - 1.5 ft	292	362	533	3020	165 J
13B-0559-C3CS	1.5 - 2.5 ft	814	1520	1070	5480	597
13B-0560-C1BS	0.5 - 1.5 ft	257	404	565	3750	234 J
13B-0560-C1CS	1.5 - 2.5 ft	738 J	1970 J	2000 J	11800 J	462 J
13B-0560-C1GS	5.14 - 5.86 ft	1.01 U	4.20	1.85	2.00	0.365 J
13B-0560-C3AS	0 - 0.5 ft	448	676	1110	5480	310 J
13B-0561-C1BS	0.5 - 1.5 ft	1100	2020	1890	5610	302 J
13B-0561-C1CS	1.5 - 2.5 ft	891	1660	1840	4740 J	254 J
13B-0561-C2AS	0 - 0.5 ft	1070	2620	2080	7840	359 J
13B-0562-G2AS	0 - 0.5 ft	380	2190	1960	13600 J	789 J
13B-0563-C1AS	0 - 0.5 ft	92.8	219	265	1420	156 J
13B-0563-C1AT	0 - 0.5 ft	104	260	280	1950	159
13B-0563-C1BS	0.5 - 1.5 ft	17.5	43.9	40.0	188	34.6
13B-0563-C2CS	1.1 - 2.5 ft	2280 J	6780 J	4860 J	13400 J	1180 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0563-C2IS	7.5 - 8.28 ft	540	2080	1630	4130	353 J
13B-0564-G2AS	0 - 0.5 ft	285 J	302 J	648 J	2990 J	304 J
13B-0565-G1AS	0 - 0.5 ft	75.5	64.0	136	1600	129 J
13B-0566-G3AS	0 - 0.5 ft	31.2	21.2	52.4	614	67.2
13B-0567-G2AS	0 - 0.5 ft	152 J	125 J	253 J	1910 J	214 J
13B-0568-G2AS	0 - 0.5 ft	1280 J	2470 J	2410 J	3220 J	209 J
13B-0571-C3BS	0.5 - 1.5 ft	20.4	23.7	34.8	367	59.5
13B-0571-C3CS	1.5 - 2.5 ft	1.32	2.02	1.25	9.26	1.86
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	0.989 U	0.989 U	0.989 U
13B-0571-C4AS	0 - 0.5 ft	281 J	278 J	551 J	4250 J	422 J
13B-0572-C1BS	0.5 - 1.5 ft	669	4220	4300	7300	290 J
13B-0573-C2AS	0 - 0.5 ft	361	1030	1030	12500	876 J
13B-0573-C2BS	0.5 - 1.5 ft	114	204	405	5460	257 J
13B-0573-C2CS	1.5 - 2.5 ft	188	500	339	1060	109 J
13B-0573-C2DS	2.5 - 3.75 ft	1.27	2.52	1.91	4.21	0.438 J
13B-0574-C2AS	0 - 0.5 ft	614	1320	1170	3060	220 J
13B-0574-C2BS	0.5 - 1.5 ft	868	1840	1570	5620	420 J
13B-0574-C2CS	1.5 - 2.5 ft	553	2070	1320	2150	204 J
13B-0574-C2HS	6.4 - 7.4 ft	805	4010	1520	3330	369
13B-0575-C1AS	0 - 0.5 ft	310	298	492	3980	229 J
13B-0575-C4BS	0.5 - 1.5 ft	406	1010	721	1420	111
13B-0575-C4CS	1.5 - 2.5 ft	1.73	7.33	2.50	7.77	1.04
13B-0575-C4FS	4.3 - 5.44 ft	0.944 U	1.71	0.944 U	0.805 U	0.771 U
13B-0577-G1AS	0 - 0.5 ft	122 J	82.5 J	209 J	3690 J	287 J
13B-0578-C5CS	1.5 - 2.5 ft	906	1350	1820	5610	227 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		C4-Dibenzothiophenes	C4-NAPHTHALENE	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		1.2	1.03	1.05	0.284	0.149
Maximum Detect		5150	15200	11000	23100	1270
Mean of Detects		637	1310	1300	3610	248
St. Dev. of Detects		809	2110	1660	3270	202
CV of Detects		1.27	1.62	1.28	0.907	0.815
% Detected		93.0	96.5	95.6	99.1	98.3
Sample ID	Depth Interval					
13B-0578-C5CT	1.5 - 2.5 ft	873	1370	1660	5190	233 J
13B-0578-C5GS	5.25 - 6.25 ft	76.6	319	253	5940	203 J
13B-0578-C6AS	0 - 0.5 ft	271	485	542	3040	193 J
13B-0578-C6BS	0.5 - 1.5 ft	248	353	410	1240 J	104 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	311	7050	578	1760	292 J	747 J	5270	6030
13B-0501-C1BS	0.5 - 1.5 ft	93.8	2060	138	622	166 J	329	1210	2080
13B-0501-C1CS	1.5 - 2.5 ft	64.5	1300	82.7	419	130 J	234	558	1660
13B-0501-C2DS	2.5 - 3.32 ft	155 J	7020 J	283 J	1690	1320	691 J	1650	9490 J
13B-0502-C2AS	0 - 0.5 ft	171	4010	297	971	313 J	501	2840	3460
13B-0502-C2BS	0.5 - 1.5 ft	238	5730	367	1320	310 J	626 J	3780	4840
13B-0502-C2CS	1.5 - 2.45 ft	464	7360 J	787 J	2470	636 J	783 J	7200	7170
13B-0503-C1AS	0 - 0.5 ft	18.4	471	28.9	147	37.3 J	205	227	547
13B-0503-C1BS	0.5 - 1.5 ft	3.86	5.31	7.29	0.505 J	5.23 J	208	2.72	7.86
13B-0503-C1CS	1.5 - 2.5 ft	0.691 J	2.18 U	2.04	0.345 J	19.6 U	111	1.96 U	5.06
13B-0504-C2AS	0 - 0.5 ft	566 J	5180 J	528 J	2270 J	685 J	802 J	3890 J	5200 J
13B-0504-C4BS	0.5 - 1.5 ft	1230 J	10400 J	1380 J	3560 J	1700 J	1980 J	9850 J	12000 J
13B-0504-C4CS	1.5 - 2.5 ft	451	3900 J	677	2070	772	734 J	5660	4450
13B-0504-C4KS	9.5 - 10.25 ft	317 J	4410 J	749 J	1240	715	546 J	5020	4910
13B-0505-C1AS	0 - 0.5 ft	183 J	5970 J	273 J	2280 J	499 J	930 J	2470 J	5600 J
13B-0505-C1BS	0.5 - 1.5 ft	1150	15100 J	2160	3050	679 J	1200 J	21100 J	15600 J
13B-0505-C1CS	1.5 - 2.5 ft	232	4500	253	1430	389 J	720	1440	4820
13B-0505-C1FS	4.5 - 5.2 ft	30.1	756	49.2	211	117	114 J	217	1040
13B-0506-C2BS	0.5 - 1.5 ft	42.3	763	65.5	301	107 J	172	435	1220
13B-0506-C2CS	1.5 - 2.5 ft	3.91	74.5	5.51	27.3	11.0 J	17.9	34.0	116
13B-0506-C3AS	0 - 0.5 ft	219 J	6500 J	484 J	1990 J	413 J	810 J	3640 J	6620 J
13B-0507-C2AS	0 - 0.5 ft	14.9	272	19.6	80.7	30.8 J	789	131	259
13B-0507-C2BS	0.5 - 1.5 ft	0.314 J	2.32	0.981	0.809 J	19.3 U	181	2.29	2.97
13B-0507-C2CS	1.5 - 2.5 ft	0.285 J	0.854 J	0.583 J	0.235 J	6.17 J	191	1.99 U	1.99 U
13B-0507-C2DS	2.5 - 3.5 ft	0.489 J	2.51	1.24	0.884 J	19.9 U	586	2.81	2.68

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0508-G3AS	0 - 0.5 ft	16.5	520	29.2	135	76.4 U	74.9	332	449
13B-0509-C1BS	0.5 - 1.5 ft	142	2770	238	829	221 J	326	1630	2650
13B-0509-C1CS	1.5 - 2.5 ft	353	7690	576	2210	622 J	856	4940	7020
13B-0509-C1ES	3.17 - 4.17 ft	491	5810	1120 J	1810	3280	682	8680	7130
13B-0509-C2AS	0 - 0.5 ft	274 J	4280 J	207 J	1360 J	367 J	573 J	1400 J	4710 J
13B-0510-C1AS	0 - 0.5 ft	205	2840	240	1330	199 J	483	3300	3270
13B-0510-C3BS	0.5 - 1.9 ft	13.4	249	14.2	94.3	24.2 J	76.8	122	275
13B-0511-C1AS	0 - 0.5 ft	130 J	3830 J	193 J	1550 J	399 J	747 J	1910 J	3670 J
13B-0511-C3BS	0.5 - 1.5 ft	116	4060	216	1630	284 J	706	1920	3760
13B-0511-C3CS	1.5 - 2.5 ft	188	2850 J	310	1140	311 J	594	2010	2860 J
13B-0511-C3HS	5.95 - 6.95 ft	393	4910	562	1290	437 J	801	4390	5370
13B-0512-G1AS	0 - 0.5 ft	87.9 J	2530 J	159 J	1310 J	309 J	482 J	1400 J	2460 J
13B-0513-G1AS	0 - 0.5 ft	203 J	3620 J	226 J	1620 J	526 J	781 J	1830 J	3710 J
13B-0514-G1AS	0 - 0.5 ft	189 J	2980 J	307 J	1620 J	360 J	547 J	2630 J	2940 J
13B-0515-C1AS	0 - 0.5 ft	36.2	1000	51.3	357	96.9 J	189	491	1090
13B-0515-C1BS	0.5 - 1.71 ft	0.198 J	4.46	0.483 J	3.45	19.8 U	4.81	2.14	5.33
13B-0515-C2CS	1.5 - 2.19 ft	0.252 J	3.08	0.987 U	0.786 J	19.7 U	5.63	2.10	3.81
13B-0516-C2BS	0.5 - 1.5 ft	198 J	4980 J	418 J	1840 J	356 J	624 J	2780 J	4810 J
13B-0516-C2CS	1.5 - 2.5 ft	287 J	4800 J	498 J	1490 J	485 J	603 J	2830 J	4910 J
13B-0516-C2LS	10.4 - 11.4 ft	407	4370	619	1300	480 J	497 J	4110	4800
13B-0516-C3AS	0 - 0.5 ft	153 J	4640 J	276 J	1500 J	294 J	592 J	2590 J	4290 J
13B-0517-G2AS	0 - 0.5 ft	4.71	148	7.83	80.2	13.5 J	44.1	59.8	167
13B-0518-G1AS	0 - 0.5 ft	142	5390 J	272	1810 J	259 J	655 J	2920	5610 J
13B-0518-G1AT	0 - 0.5 ft	111	3130 J	257	922 J	342 J	380 J	2080	2750 J
13B-0519-C2BS	0.5 - 1.5 ft	193	4550	344	1300	271 J	561	3070	4420

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0519-C2CS	1.5 - 2.5 ft	333	4570	521	2240	685 J	693 J	3620	5010
13B-0519-C2RS	16.1 - 17.1 ft	0.767 J	1.18 U	0.984 U	0.984 U	19.7 U	1.98	1.97 U	2.55
13B-0519-C5AS	0 - 0.5 ft	161	4480	284	1620	289 J	582	2700	4180
13B-0520-G1AS	0 - 0.5 ft	75.6 J	2650 J	110 J	956 J	179 J	446 J	1190 J	2420 J
13B-0521-C2AS	0 - 0.5 ft	78.4	2280	215	626	256 J	316	1420	2170
13B-0521-C2BS	0.5 - 1.5 ft	50.4	1170	83.1	334	65.1 J	170	711	1100
13B-0521-C2CS	1.5 - 2.5 ft	77.0	2670	133	752	123 J	387	1320	2450
13B-0521-C2HS	6.5 - 7.63 ft	946 J	13700 J	1420 J	4040 J	1400 J	2080 J	9000 J	13800 J
13B-0522-G1AS	0 - 0.5 ft	91.8 J	2890 J	165 J	1180 J	323 J	497 J	1270 J	2900 J
13B-0522-G1AT	0 - 0.5 ft	73.9 J	2370 J	140 J	1080 J	264 J	480 J	1100 J	2340 J
13B-0523-G2AS	0 - 0.5 ft	110 J	3590 J	170 J	1630 J	483 J	643 J	1400 J	3780 J
13B-0524-C1AS	0 - 0.5 ft	1230 J	26500 J	3390 J	5400 J	478 J	2490 J	25200 J	21300 J
13B-0524-C1BS	0.5 - 1.5 ft	652 J	11700 J	1270 J	2690 J	508 J	975 J	10100 J	10400 J
13B-0524-C1CS	1.5 - 2.5 ft	361 J	8700 J	761 J	3040 J	431 J	1300 J	5400 J	8420 J
13B-0524-C1GS	5.39 - 6.39 ft	1880 J	35800 J	4380 J	11000 J	991 J	5360 J	25000 J	33200 J
13B-0525-C1BS	0.5 - 1.5 ft	180 J	5200 J	302 J	2060 J	387 J	698 J	2860 J	4850 J
13B-0525-C1CS	1.5 - 2.5 ft	192 J	5270 J	355 J	1660 J	361 J	629 J	2950 J	5230 J
13B-0525-C1HS	6.42 - 7.42 ft	248	4550	557	1510	385 J	546 J	3370	4630
13B-0525-C2AS	0 - 0.5 ft	123 J	4080 J	211 J	1650 J	324 J	607 J	1920 J	4010 J
13B-0526-C1BS	0.5 - 1.5 ft	517 J	5720 J	647 J	3000 J	697 J	1450 J	5000 J	6050 J
13B-0526-C1HS	6.5 - 7.62 ft	144	2350	208	560	191 J	325	1360	2830
13B-0526-C2AS	0 - 0.5 ft	1890 J	15400 J	1990 J	4160 J	1220 J	1750 J	18300 J	14200 J
13B-0526-C2CS	1.5 - 2.5 ft	901 J	8090 J	938 J	3300 J	665 J	1410 J	10400 J	8020 J
13B-0526-C2CT	1.5 - 2.5 ft	1170 J	9080 J	934 J	3900 J	760 J	1950 J	10100 J	9010 J
13B-0527-C2AS	0 - 0.5 ft	5.57	206	9.09	93.4	18.2 J	48.2	83.3	211

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0527-C2CS	1.5 - 2.6 ft	0.212 J	3.70	0.468 J	1.01	19.6 U	77.5	3.18	3.45
13B-0527-C3BS	0.5 - 1.5 ft	0.226 J	4.71	0.976 U	1.87	19.5 U	318 J	2.38	4.81
13B-0528-C3BS	0.5 - 1.5 ft	674 J	7320 J	580 J	3460 J	669 J	905 J	6820 J	7810 J
13B-0528-C3CS	1.5 - 2.5 ft	678 J	5070 J	724 J	3170 J	726 J	839 J	7150 J	5910 J
13B-0528-C3LS	10.5 - 11.54 ft	547 J	9560 J	1600	2700	1550 J	932 J	9940	11900 J
13B-0528-C4AS	0 - 0.5 ft	124 J	4330 J	210 J	1810 J	433 J	713 J	1850 J	4290 J
13B-0529-C2AS	0 - 0.5 ft	913	14800 J	1970	3140	3290	1630	16300 J	14000 J
13B-0529-C2BS	0.5 - 1.5 ft	107	1740	166	368	155 J	218	1420	1690
13B-0529-C2CS	1.5 - 2.5 ft	68.7	1190	56.2	330	62.7 J	237	306	1910
13B-0529-C2ES	3.5 - 4.2 ft	16.3	309	17.7	93.1	44.6 J	61.9	152	459
13B-0530-C1AS	0 - 0.5 ft	46.7	1290	88.0	462	116 J	206	777	1220
13B-0530-C1BS	0.5 - 1.5 ft	96.7 J	1510 J	218 J	775 J	179 J	336 J	1470 J	1560 J
13B-0530-C3CS	1.5 - 1.93 ft	97.0	1430	228	512	193 J	242	1460	1600
13B-0531-C1AS	0 - 0.5 ft	653 J	12200 J	1870 J	2430 J	1650	907 J	12600 J	10100 J
13B-0531-C1AT	0 - 0.5 ft	124 J	3440 J	230 J	879 J	203 J	386 J	1890 J	3440 J
13B-0531-C2BS	0.5 - 1.5 ft	46.7	1300 J	54.6	354 J	393 U	191 J	427 J	2210 J
13B-0531-C2CS	1.5 - 2.5 ft	56.1	1740	92.9	573	379 J	305	381	3380
13B-0531-C2ES	3.5 - 4.42 ft	135	5400	410	1050	581 U	427 J	4120	5480
13B-0532-C1AS	0 - 0.5 ft	94.8	2180	195	768	180 J	388	1120	2230
13B-0532-C1BS	0.5 - 1.5 ft	66.7	1990	104	512	92.8 J	279	889	1770
13B-0532-C1CS	1.5 - 2.5 ft	94.5	1410	210	387	146 J	246	1100	1580
13B-0532-C1DS	2.5 - 3.73 ft	26.6	378	47.4	59.4	30.4 J	63.6	297	486
13B-0533-C2BS	0.5 - 1.5 ft	676 J	8380 J	717 J	3440 J	1040 J	1320 J	6570 J	9030 J
13B-0533-C2CS	1.5 - 2.5 ft	457 J	7110 J	998 J	3950 J	2310 J	921 J	6860 J	7480 J
13B-0533-C3AS	0 - 0.5 ft	142 J	4300 J	231 J	1910 J	495 J	771 J	1900 J	4230 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0533-C3AT	0 - 0.5 ft	137 J	4380 J	222 J	1980 J	458 J	763 J	1800 J	4340 J
13B-0533-C3JS	8.5 - 9.35 ft	408	7480	1070	2800 J	1940	857 J	6130	7890
13B-0533-C3JT	8.5 - 9.35 ft	432	7350	962	3300	1750	953 J	6260	7590
13B-0534-C2BS	0.5 - 1.5 ft	447	4430 J	633	2010	611 J	1010 J	4880	5140 J
13B-0534-C2CS	1.5 - 2.5 ft	216	2830	313	1090	378 J	556	2270	3020
13B-0534-C2IS	7.5 - 8.59 ft	344	6690	639	2860	1070	1390	4260	6710
13B-0534-G1AS	0 - 0.5 ft	115 J	2840 J	169 J	1210 J	302 J	526 J	1340 J	2880 J
13B-0534-G1AT	0 - 0.5 ft	118 J	2770 J	199 J	1120 J	373 J	503 J	1440 J	2810 J
13B-0535-C2AS	0 - 0.5 ft	210 J	4890 J	377 J	2200 J	641 J	1030 J	2600 J	5380 J
13B-0535-C2BS	0.5 - 1.5 ft	50.4	641	73.2	262	97.1 J	148	345	979
13B-0535-C2CS	1.5 - 2.45 ft	15.0	92.3	35.6	56.6	38.2	38.8	95.7	195
13B-0536-C1BS	0.5 - 1.5 ft	89.5	1850	167	606	234 J	295	1160	2000
13B-0536-C1CS	1.5 - 2.5 ft	293	5390	538 J	1910	620 J	665 J	4330	5350
13B-0536-C1FS	4.28 - 5.28 ft	674	18000	3390	3730	2040 J	1770	16900	25700
13B-0536-C3AS	0 - 0.5 ft	368	5680 J	626	2380	808 J	763 J	4910	5920 J
13B-0537-C3AS	0 - 0.5 ft	134	3280	336	863	266 J	383	2250	3150
13B-0538-C2AS	0 - 0.5 ft	160 J	5070 J	269 J	2020 J	409 J	657 J	2350 J	4680 J
13B-0538-C3BS	0.5 - 1.5 ft	967 J	6940 J	677 J	2540 J	2130 J	1040 J	3790 J	6890 J
13B-0538-C3CS	1.5 - 2.5 ft	1170 J	5010 J	715 J	1900 J	754 J	690 J	5590 J	4780 J
13B-0538-C3ES	3.5 - 4.8 ft	110	3360	502	689	361 J	361 J	3060	4910
13B-0539-C3BS	0.5 - 1.5 ft	396	5260	695	2040	652 J	682	5180	5610
13B-0539-C3CS	1.5 - 2.5 ft	321	4430	600	2000	764 J	644	3910	4620
13B-0539-C3HS	6.5 - 7.59 ft	9.11 J	656	25.4	373	197 U	217	199	1180
13B-0539-G2AS	0 - 0.5 ft	242 J	3120 J	405 J	1400 J	452 J	554 J	2110 J	3570 J
13B-0539-G2AT	0 - 0.5 ft	302 J	3340 J	458 J	1680 J	524 J	599 J	2460 J	3830 J

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		Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
		Analyte	Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
		Unit	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
		Minimum Detect	0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
		Maximum Detect	1890	35800	4380	11000	3290	5360	33300	33200
		Mean of Detects	279	4610	491	1500	503	641	3820	4750
		St. Dev. of Detects	330	4760	654	1350	506	562	5110	4670
		CV of Detects	1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
		% Detected	98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval									
13B-0540-C3AS	0 - 0.5 ft	317 J	7550 J	550 J	2570 J	507 J	982 J	4230 J	7160 J
13B-0540-C4BS	0.5 - 1.5 ft	175 J	5170 J	255 J	1740 J	465 J	667 J	2300 J	5190 J
13B-0540-C4CS	1.5 - 2.5 ft	511 J	5520 J	498 J	2540 J	622 J	757 J	3390 J	5610 J
13B-0540-C4LS	10.3 - 11.25 ft	26.1	504	76.9	150	1210	191	291	799
13B-0541-C1BS	0.5 - 1.5 ft	300	4150	857	1110	379 J	520	4660	4640
13B-0541-C1CS	1.5 - 2.5 ft	84.7	1220	183	413	156 J	232	916	1520
13B-0541-C1FS	4.5 - 5.67 ft	0.995 U	1.14	0.995 U	0.400 J	19.9 U	1.20 U	1.99 U	1.45 J
13B-0541-C2AS	0 - 0.5 ft	411 J	5590 J	497 J	1820 J	436 J	821 J	3780 J	5870 J
13B-0542-C2AS	0 - 0.5 ft	702 J	15900	3440 J	4240	1540 J	1430 J	33300 J	20800
13B-0542-C2BS	0.5 - 1.5 ft	243	4040	983	1040	468 J	601	3290	5550
13B-0542-C2CS	1.5 - 2.5 ft	200	9130	654	2730	636 J	1350	4900	13500
13B-0542-C2HS	6.5 - 7.55 ft	0.980 U	0.561 J	0.980 U	0.313 J	19.6 U	13.9	1.96 U	1.96 U
13B-0543-G1AS	0 - 0.5 ft	236 J	6790 J	380 J	2040 J	263 J	858 J	4460 J	6030 J
13B-0544-C2AS	0 - 0.5 ft	213 J	7340 J	346 J	1480 J	223 J	755 J	3970 J	6300 J
13B-0544-C2BS	0.5 - 1.5 ft	109	2500	211	724	135 J	390	1770	2300
13B-0544-C2CS	1.5 - 2.5 ft	129 J	3160 J	210 J	1080 J	212 J	480 J	1930 J	3060 J
13B-0544-C2ES	3 - 3.97 ft	138	2110	316	626	269 J	289	1850	2410
13B-0546-G2AS	0 - 0.5 ft	136	2550	229	679	216 J	403	1230	3520
13B-0547-C2AS	0 - 0.5 ft	412 J	2180 J	504 J	1650 J	515 J	518 J	4150 J	2340 J
13B-0547-C2BS	0.5 - 1.5 ft	240 J	1570 J	322 J	1170 J	430 J	477 J	3020 J	1760 J
13B-0547-C2CS	1.5 - 2.05 ft	1760	17100 J	3300	5690	1200 J	2030	31200 J	14200 J
13B-0548-C1IS	7.5 - 8.79 ft	0.443 U	3.33	0.944 J	0.830 J	19.2 U	121	4.09	4.62
13B-0548-C2AS	0 - 0.5 ft	311	6940	1080	2530	882 J	765 J	6360	7930
13B-0548-C2BS	0.5 - 1.5 ft	155	3910 J	332 J	1290 J	248 J	475	2380 J	3990 J
13B-0548-C2BT	0.5 - 1.5 ft	307	7570 J	685 J	2240 J	380 J	778	5630 J	7380 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0548-C2CS	1.5 - 2.5 ft	116	2150	220	772	287 J	345	1440	2440
13B-0549-C2AS	0 - 0.5 ft	44.0	1210	97.1	442	96.7 J	191	562	1290
13B-0549-C3BS	0.5 - 1.5 ft	258	3940	767	844	665 J	382	4850	5180
13B-0549-C3CS	1.5 - 2.65 ft	130	2890	212	536	339 J	301	2390	4020
13B-0550-C1AS	0 - 0.5 ft	200 J	6530 J	344 J	2350 J	457 J	763 J	3300 J	6200 J
13B-0550-C3BS	0.5 - 1.5 ft	86.3	2280	132	845	178 J	411	1200	2690
13B-0550-C3CS	1.5 - 2.5 ft	54.8	2750	125	820	193 J	641	1090	3370
13B-0551-G2AS	0 - 0.5 ft	115	3870	160	1150	107 J	461	2410	3210
13B-0552-C1BS	0.5 - 1.5 ft	26.0	378 J	46.7	90.2 J	199 U	60.8 J	256 J	503 J
13B-0552-C1CS	1.5 - 2.2 ft	2.97	118	5.22	48.6	13.4 J	31.0	54.8 J	164
13B-0552-C1CT	1.5 - 2.2 ft	7.14	164	6.70	57.4	80.0 U	42.5	31.1 J	261
13B-0552-C3AS	0 - 0.5 ft	126 J	3490 J	301 J	1330 J	279 J	529 J	2220 J	3390 J
13B-0553-C1AS	0 - 0.5 ft	154	2500	172	854	257 J	375	1840	2610
13B-0553-C2BS	0.5 - 1.5 ft	185	3130	222 J	1200	518 J	472	2330	3270
13B-0553-C2CS	1.5 - 2.5 ft	336	3840	371 J	1390	564 J	472	3440	3810
13B-0554-C1BS	0.5 - 1.5 ft	105	3490	189	1280	282 J	466	1570	3360
13B-0554-C1CS	1.5 - 2.5 ft	96.0	2280	129	900	172 J	331	979	2300
13B-0554-C1ES	3.5 - 4.7 ft	3.19	148	5.67	37.4	7.00 J	93.2	69.6	125
13B-0554-G2AS	0 - 0.5 ft	101 J	3200 J	179 J	1190 J	246 J	412 J	1570 J	3140 J
13B-0555-C1AS	0 - 0.5 ft	476 J	5780 J	608 J	1930 J	476 J	914 J	4850 J	5930 J
13B-0555-C2BS	0.5 - 1.5 ft	541 J	5640 J	555 J	2000 J	491 J	974 J	5330 J	5620 J
13B-0555-C2CS	1.5 - 2 ft	637 J	5310 J	585 J	1500 J	439 J	793 J	4520 J	5490 J
13B-0555-C2DS	2 - 3 ft	321 J	4510 J	367 J	1640 J	455 J	760 J	2840 J	5070 J
13B-0556-C2AS	0 - 0.5 ft	80.8 J	2660 J	134 J	813 J	127 J	377 J	1280 J	2430 J
13B-0556-C2BS	0.5 - 1.5 ft	133	3420	192	1450	248 J	656	1650	3520

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
Mean of Detects		279	4610	491	1500	503	641	3820	4750
St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0556-C2CS	1.5 - 2.38 ft	57.4	1380	90.0	562	150 J	276	745	1540
13B-0557-C1AS	0 - 0.5 ft	223	6000	469	1800	465 J	737 J	3580	5810
13B-0557-C2BS	0.5 - 1.5 ft	236 J	5090 J	437 J	1730 J	339 J	628 J	3470 J	4830 J
13B-0557-C2CS	1.5 - 2.5 ft	356 J	6580 J	646 J	2290 J	587 J	911 J	5070 J	6600 J
13B-0557-C2ES	3.5 - 4.5 ft	391	5340	677	1720	634 J	882	4060	5560
13B-0558-C2BS	0.5 - 1.5 ft	203	3110	464	1060	475 J	550	2660	3260
13B-0558-C2CS	1.5 - 2.5 ft	130	1930	201	709	309 J	380	1080	2040
13B-0558-C2FS	4.5 - 5.75 ft	0.542 J	13.0	1.05	6.34	19.4 U	4.31	8.15	14.4
13B-0558-C3AS	0 - 0.5 ft	347 J	3720 J	218 J	1370 J	493 J	885 J	2220 J	5050 J
13B-0559-C2GS	5.5 - 646 ft	181	2900	320	684	198 J	342	2180	2790
13B-0559-C3AS	0 - 0.5 ft	116	3220	211	996	167 J	475	1960	2880
13B-0559-C3BS	0.5 - 1.5 ft	136	3660	228	1250	241 J	559 J	2260	3470
13B-0559-C3CS	1.5 - 2.5 ft	266	7480	383	2230	1500 U	1240	3550	6870
13B-0560-C1BS	0.5 - 1.5 ft	303	7410	631	2000	402 J	850 J	5290	6540
13B-0560-C1CS	1.5 - 2.5 ft	877 J	15400 J	2090 J	4440 J	1310 J	1250 J	16700 J	14700 J
13B-0560-C1GS	5.14 - 5.86 ft	0.929 J	4.12	3.63	0.971 J	20.1 U	1.83 U	6.97	4.52
13B-0560-C3AS	0 - 0.5 ft	148	4150	341	1770	292 J	657 J	2390	5080
13B-0561-C1BS	0.5 - 1.5 ft	652	4960	452	2320	591 J	677 J	4580	8160
13B-0561-C1CS	1.5 - 2.5 ft	561	6270	574 J	2170 J	530 J	879 J	5870	8860
13B-0561-C2AS	0 - 0.5 ft	870	9160	823 J	3590	593 J	1000 J	8180	10800
13B-0562-G2AS	0 - 0.5 ft	579 J	24700 J	1810	6950	1730 J	2810 J	18100	24500 J
13B-0563-C1AS	0 - 0.5 ft	95.0	1450	211	578	468	259	1140	1460
13B-0563-C1AT	0 - 0.5 ft	75.5	1410	164	563	235	241	865	1510
13B-0563-C1BS	0.5 - 1.5 ft	16.3	246	36.8	99.4	35.6 J	50.2	147	286
13B-0563-C2CS	1.1 - 2.5 ft	1320 J	16200 J	2100 J	5120 J	1230 J	2180 J	17400 J	14000 J

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Analytic Method		ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
Analyte		Dibenzothiophene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene
Unit		ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Minimum Detect		0.198	0.561	0.468	0.235	5.23	0.693	1.7	1.45
Maximum Detect		1890	35800	4380	11000	3290	5360	33300	33200
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St. Dev. of Detects		330	4760	654	1350	506	562	5110	4670
CV of Detects		1.18	1.03	1.33	0.901	1.01	0.877	1.34	0.985
% Detected		98.3	98.7	97.4	98.7	88.6	98.7	97.4	98.7
Sample ID	Depth Interval								
13B-0563-C2IS	7.5 - 8.28 ft	412	3710	897	1480	939	637	5970	4120
13B-0564-G2AS	0 - 0.5 ft	90.5 J	2970 J	166 J	1580 J	378 J	619 J	1540 J	2860 J
13B-0565-G1AS	0 - 0.5 ft	75.0	2300	116	711	90.6 J	291 J	1340	1960
13B-0566-G3AS	0 - 0.5 ft	23.2	999	34.2	278	157 U	140	439	860
13B-0567-G2AS	0 - 0.5 ft	60.1 J	2140 J	105 J	909 J	241 J	411 J	856 J	2140 J
13B-0568-G2AS	0 - 0.5 ft	441 J	3460 J	408 J	1390 J	418 J	567 J	3200 J	3840 J
13B-0571-C3BS	0.5 - 1.5 ft	20.7	541	25.3	222	42.5 J	111	259	508
13B-0571-C3CS	1.5 - 2.5 ft	0.922 J	14.1	0.896 J	7.53	19.8 U	4.64	7.98	13.8
13B-0571-C3MS	11 - 12 ft	0.989 U	0.989 U	0.989 U	0.989 U	19.8 U	0.693 J	1.98 U	1.98 U
13B-0571-C4AS	0 - 0.5 ft	166 J	6330 J	265 J	2310 J	342 J	1040 J	2690 J	6080 J
13B-0572-C1BS	0.5 - 1.5 ft	327 J	9120 J	535	2290 J	1140	937 J	3420	12700 J
13B-0573-C2AS	0 - 0.5 ft	1510	25500 J	3020	5390	946 J	2280 J	24500	21800
13B-0573-C2BS	0.5 - 1.5 ft	452	11600	773	2390	355 J	1400	8750	9880
13B-0573-C2CS	1.5 - 2.5 ft	92.7	1150	81.4	415	125 J	259	617	1370
13B-0573-C2DS	2.5 - 3.75 ft	0.858 J	5.72	1.49	1.37	19.8 U	1.99 U	3.97	10.4
13B-0574-C2AS	0 - 0.5 ft	316	4580	588	1300	445 J	621 J	3560	4950
13B-0574-C2BS	0.5 - 1.5 ft	667	9620 J	1320	1910	650 J	1010 J	7590 J	9320
13B-0574-C2CS	1.5 - 2.5 ft	382	3460	657	1040	279 J	479	3890	3670
13B-0574-C2HS	6.4 - 7.4 ft	431	3990	758	1060	412 J	631	3590	4170
13B-0575-C1AS	0 - 0.5 ft	171	4690	265	1550	234 J	625	2560	4380
13B-0575-C4BS	0.5 - 1.5 ft	145	1750	200	443	111 J	554	1330	1830
13B-0575-C4CS	1.5 - 2.5 ft	5.39	12.2	6.93	3.36	19.4 U	519	26.9	17.5
13B-0575-C4FS	4.3 - 5.44 ft	0.626 J	0.944	0.488 J	1.23 U	18.9 U	279	1.70 J	2.05
13B-0577-G1AS	0 - 0.5 ft	108 J	4950 J	136 J	2050 J	172 J	669 J	2090 J	4280 J
13B-0578-C5CS	1.5 - 2.5 ft	670	6520	975	2060	994	731	7530	7230

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	Analytic Method	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**	**ID-0016**
	Analyte	**Dibenzothiophene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**Naphthalene**	**Perylene**	**Phenanthrene**	**Pyrene**
	Unit	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**	**ng/g**
	Minimum Detect	**0.198**	**0.561**	**0.468**	**0.235**	**5.23**	**0.693**	**1.7**	**1.45**
	Maximum Detect	**1890**	**35800**	**4380**	**11000**	**3290**	**5360**	**33300**	**33200**
	Mean of Detects	**279**	**4610**	**491**	**1500**	**503**	**641**	**3820**	**4750**
	St. Dev. of Detects	**330**	**4760**	**654**	**1350**	**506**	**562**	**5110**	**4670**
	CV of Detects	**1.18**	**1.03**	**1.33**	**0.901**	**1.01**	**0.877**	**1.34**	**0.985**
	% Detected	**98.3**	**98.7**	**97.4**	**98.7**	**88.6**	**98.7**	**97.4**	**98.7**
Sample ID	**Depth Interval**								
13B-0578-C5CT	1.5 - 2.5 ft	637	6990	854	2170	1030	694 J	7020	7570
13B-0578-C5GS	5.25 - 6.25 ft	145	6900	352	1560	241 J	712	3800	6480
13B-0578-C6AS	0 - 0.5 ft	306	5920	508	1370	228 J	592	5150	5390
13B-0578-C6BS	0.5 - 1.5 ft	169	1460 J	205	412 J	167 J	201 J	1370	1670 J

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DATA RESULTS SUMMARY
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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0501-C1AS	0 - 0.5 ft	34800	8140
13B-0501-C1BS	0.5 - 1.5 ft	11200	2100
13B-0501-C1CS	1.5 - 2.5 ft	8400	1170
13B-0501-C2DS	2.5 - 3.32 ft	42300	5960
13B-0502-C2AS	0 - 0.5 ft	19800	4540
13B-0502-C2BS	0.5 - 1.5 ft	26800	6000
13B-0502-C2CS	1.5 - 2.45 ft	43700	11800
13B-0503-C1AS	0 - 0.5 ft	2900	445
13B-0503-C1BS	0.5 - 1.5 ft	17.7	40.6
13B-0503-C1CS	1.5 - 2.5 ft	8.18	15.9
13B-0504-C2AS	0 - 0.5 ft	35400	7540
13B-0504-C4BS	0.5 - 1.5 ft	67000	17400
13B-0504-C4CS	1.5 - 2.5 ft	31600	9300
13B-0504-C4KS	9.5 - 10.25 ft	26300	9630
13B-0505-C1AS	0 - 0.5 ft	35600	4720
13B-0505-C1BS	0.5 - 1.5 ft	71900	32300
13B-0505-C1CS	1.5 - 2.5 ft	25800	3710
13B-0505-C1FS	4.5 - 5.2 ft	5250	619
13B-0506-C2BS	0.5 - 1.5 ft	5980	914
13B-0506-C2CS	1.5 - 2.5 ft	554	76.8
13B-0506-C3AS	0 - 0.5 ft	38600	6910
13B-0507-C2AS	0 - 0.5 ft	1480	324
13B-0507-C2BS	0.5 - 1.5 ft	14.6	11.4
13B-0507-C2CS	1.5 - 2.5 ft	2.25	8.21
13B-0507-C2DS	2.5 - 3.5 ft	13.4	5.66

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0508-G3AS	0 - 0.5 ft	2520	495
13B-0509-C1BS	0.5 - 1.5 ft	15200	2860
13B-0509-C1CS	1.5 - 2.5 ft	42200	8380
13B-0509-C1ES	3.17 - 4.17 ft	39400	17500
13B-0509-C2AS	0 - 0.5 ft	26400	3510
13B-0510-C1AS	0 - 0.5 ft	21900	4750
13B-0510-C3BS	0.5 - 1.9 ft	1640	235
13B-0511-C1AS	0 - 0.5 ft	24600	3400
13B-0511-C3BS	0.5 - 1.5 ft	25000	3240
13B-0511-C3CS	1.5 - 2.5 ft	19000	3650
13B-0511-C3HS	5.95 - 6.95 ft	28900	7010
13B-0512-G1AS	0 - 0.5 ft	18300	2580
13B-0513-G1AS	0 - 0.5 ft	26300	3920
13B-0514-G1AS	0 - 0.5 ft	24300	4590
13B-0515-C1AS	0 - 0.5 ft	6220	883
13B-0515-C1BS	0.5 - 1.71 ft	43.9	5.33
13B-0515-C2CS	1.5 - 2.19 ft	16.9	2.97
13B-0516-C2BS	0.5 - 1.5 ft	30300	4920
13B-0516-C2CS	1.5 - 2.5 ft	27800	5250
13B-0516-C2LS	10.4 - 11.4 ft	27100	6950
13B-0516-C3AS	0 - 0.5 ft	26500	4270
13B-0517-G2AS	0 - 0.5 ft	1130	123
13B-0518-G1AS	0 - 0.5 ft	31100	5470
13B-0518-G1AT	0 - 0.5 ft	16700	3480
13B-0519-C2BS	0.5 - 1.5 ft	25100	4900

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0519-C2CS	1.5 - 2.5 ft	33600	6830
13B-0519-C2RS	16.1 - 17.1 ft	6.19	19.7 U
13B-0519-C5AS	0 - 0.5 ft	26100	4480
13B-0520-G1AS	0 - 0.5 ft	15500	2020
13B-0521-C2AS	0 - 0.5 ft	12300	2760
13B-0521-C2BS	0.5 - 1.5 ft	6340	1240
13B-0521-C2CS	1.5 - 2.5 ft	14100	2090
13B-0521-C2HS	6.5 - 7.63 ft	83900	15300
13B-0522-G1AS	0 - 0.5 ft	18200	2520
13B-0522-G1AT	0 - 0.5 ft	15400	2230
13B-0523-G2AS	0 - 0.5 ft	23200	2900
13B-0524-C1AS	0 - 0.5 ft	118000	39500
13B-0524-C1BS	0.5 - 1.5 ft	54300	15800
13B-0524-C1CS	1.5 - 2.5 ft	47500	8950
13B-0524-C1GS	5.39 - 6.39 ft	193000	44400
13B-0525-C1BS	0.5 - 1.5 ft	33000	4920
13B-0525-C1CS	1.5 - 2.5 ft	31000	4890
13B-0525-C1HS	6.42 - 7.42 ft	26900	5720
13B-0525-C2AS	0 - 0.5 ft	26200	3450
13B-0526-C1BS	0.5 - 1.5 ft	42400	8190
13B-0526-C1HS	6.5 - 7.62 ft	13100	2690
13B-0526-C2AS	0 - 0.5 ft	80600	25900
13B-0526-C2CS	1.5 - 2.5 ft	51100	14800
13B-0526-C2CT	1.5 - 2.5 ft	55600	14400
13B-0527-C2AS	0 - 0.5 ft	1350	154

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0527-C2CS	1.5 - 2.6 ft	17.1	4.78
13B-0527-C3BS	0.5 - 1.5 ft	27.9	3.43
13B-0528-C3BS	0.5 - 1.5 ft	50000	10400
13B-0528-C3CS	1.5 - 2.5 ft	43400	11000
13B-0528-C3LS	10.5 - 11.54 ft	59600	19200
13B-0528-C4AS	0 - 0.5 ft	27300	3510
13B-0529-C2AS	0 - 0.5 ft	76700	27800
13B-0529-C2BS	0.5 - 1.5 ft	8490	2490
13B-0529-C2CS	1.5 - 2.5 ft	8880	1160
13B-0529-C2ES	3.5 - 4.2 ft	2020	329
13B-0530-C1AS	0 - 0.5 ft	7740	1330
13B-0530-C1BS	0.5 - 1.5 ft	11700	2570
13B-0530-C3CS	1.5 - 1.93 ft	10100	2540
13B-0531-C1AS	0 - 0.5 ft	54300	21300
13B-0531-C1AT	0 - 0.5 ft	19200	3280
13B-0531-C2BS	0.5 - 1.5 ft	9230	961
13B-0531-C2CS	1.5 - 2.5 ft	14400	2040
13B-0531-C2ES	3.5 - 4.42 ft	28400	6940
13B-0532-C1AS	0 - 0.5 ft	14200	2360
13B-0532-C1BS	0.5 - 1.5 ft	10000	1520
13B-0532-C1CS	1.5 - 2.5 ft	7800	2150
13B-0532-C1DS	2.5 - 3.73 ft	1860	521
13B-0533-C2BS	0.5 - 1.5 ft	54800	10900
13B-0533-C2CS	1.5 - 2.5 ft	54700	14000
13B-0533-C3AS	0 - 0.5 ft	28000	3760

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0533-C3AT	0 - 0.5 ft	30500	3570
13B-0533-C3JS	8.5 - 9.35 ft	48900	12700
13B-0533-C3JT	8.5 - 9.35 ft	51500	12400
13B-0534-C2BS	0.5 - 1.5 ft	42200	7940
13B-0534-C2CS	1.5 - 2.5 ft	21600	3920
13B-0534-C2IS	7.5 - 8.59 ft	52200	8250
13B-0534-G1AS	0 - 0.5 ft	18800	2610
13B-0534-G1AT	0 - 0.5 ft	17600	2860
13B-0535-C2AS	0 - 0.5 ft	35100	6020
13B-0535-C2BS	0.5 - 1.5 ft	4780	1270
13B-0535-C2CS	1.5 - 2.45 ft	912	297
13B-0536-C1BS	0.5 - 1.5 ft	11400	2260
13B-0536-C1CS	1.5 - 2.5 ft	33600	7650
13B-0536-C1FS	4.28 - 5.28 ft	113000	32900
13B-0536-C3AS	0 - 0.5 ft	38400	8430
13B-0537-C3AS	0 - 0.5 ft	17200	4020
13B-0538-C2AS	0 - 0.5 ft	30400	4070
13B-0538-C3BS	0.5 - 1.5 ft	45600	9130
13B-0538-C3CS	1.5 - 2.5 ft	33000	9930
13B-0538-C3ES	3.5 - 4.8 ft	20000	5890
13B-0539-C3BS	0.5 - 1.5 ft	33800	8450
13B-0539-C3CS	1.5 - 2.5 ft	31700	6830
13B-0539-C3HS	6.5 - 7.59 ft	6080	470
13B-0539-G2AS	0 - 0.5 ft	22400	3980
13B-0539-G2AT	0 - 0.5 ft	25500	4680

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0540-C3AS	0 - 0.5 ft	44200	7070
13B-0540-C4BS	0.5 - 1.5 ft	28900	4330
13B-0540-C4CS	1.5 - 2.5 ft	37900	7220
13B-0540-C4LS	10.3 - 11.25 ft	3580	2100
13B-0541-C1BS	0.5 - 1.5 ft	22100	8500
13B-0541-C1CS	1.5 - 2.5 ft	8010	1920
13B-0541-C1FS	4.5 - 5.67 ft	6.87	0.934
13B-0541-C2AS	0 - 0.5 ft	31800	6330
13B-0542-C2AS	0 - 0.5 ft	100000	54700
13B-0542-C2BS	0.5 - 1.5 ft	25000	7330
13B-0542-C2CS	1.5 - 2.5 ft	56400	10400
13B-0542-C2HS	6.5 - 7.55 ft	2.50	0.326
13B-0543-G1AS	0 - 0.5 ft	36800	6830
13B-0544-C2AS	0 - 0.5 ft	32600	5870
13B-0544-C2BS	0.5 - 1.5 ft	13000	2810
13B-0544-C2CS	1.5 - 2.5 ft	18000	3180
13B-0544-C2ES	3 - 3.97 ft	11800	3390
13B-0546-G2AS	0 - 0.5 ft	15900	2920
13B-0547-C2AS	0 - 0.5 ft	24100	6950
13B-0547-C2BS	0.5 - 1.5 ft	17600	5100
13B-0547-C2CS	1.5 - 2.05 ft	109000	49600
13B-0548-C1IS	7.5 - 8.79 ft	18.4	7.51
13B-0548-C2AS	0 - 0.5 ft	43200	12800
13B-0548-C2BS	0.5 - 1.5 ft	22600	4240
13B-0548-C2BT	0.5 - 1.5 ft	43000	9330

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0548-C2CS	1.5 - 2.5 ft	13400	2810
13B-0549-C2AS	0 - 0.5 ft	7550	1190
13B-0549-C3BS	0.5 - 1.5 ft	21500	9070
13B-0549-C3CS	1.5 - 2.65 ft	15300	4370
13B-0550-C1AS	0 - 0.5 ft	39000	5720
13B-0550-C3BS	0.5 - 1.5 ft	15600	2340
13B-0550-C3CS	1.5 - 2.5 ft	17400	2280
13B-0551-G2AS	0 - 0.5 ft	20300	3300
13B-0552-C1BS	0.5 - 1.5 ft	2100	462
13B-0552-C1CS	1.5 - 2.2 ft	836	122
13B-0552-C1CT	1.5 - 2.2 ft	1220	87.2
13B-0552-C3AS	0 - 0.5 ft	20500	3970
13B-0553-C1AS	0 - 0.5 ft	15800	3260
13B-0553-C2BS	0.5 - 1.5 ft	20500	4260
13B-0553-C2CS	1.5 - 2.5 ft	24900	5940
13B-0554-C1BS	0.5 - 1.5 ft	21300	2890
13B-0554-C1CS	1.5 - 2.5 ft	13400	1780
13B-0554-C1ES	3.5 - 4.7 ft	812	120
13B-0554-G2AS	0 - 0.5 ft	19100	2770
13B-0555-C1AS	0 - 0.5 ft	34200	7850
13B-0555-C2BS	0.5 - 1.5 ft	35000	8160
13B-0555-C2CS	1.5 - 2 ft	29200	7290
13B-0555-C2DS	2 - 3 ft	26600	4900
13B-0556-C2AS	0 - 0.5 ft	14100	2120
13B-0556-C2BS	0.5 - 1.5 ft	22500	3000

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0556-C2CS	1.5 - 2.38 ft	9160	1420
13B-0557-C1AS	0 - 0.5 ft	33400	6300
13B-0557-C2BS	0.5 - 1.5 ft	32300	5640
13B-0557-C2CS	1.5 - 2.5 ft	38700	8610
13B-0557-C2ES	3.5 - 4.5 ft	30900	7900
13B-0558-C2BS	0.5 - 1.5 ft	18800	4870
13B-0558-C2CS	1.5 - 2.5 ft	12200	2310
13B-0558-C2FS	4.5 - 5.75 ft	96.1	15.7
13B-0558-C3AS	0 - 0.5 ft	25900	4690
13B-0559-C2GS	5.5 - 646 ft	14500	3780
13B-0559-C3AS	0 - 0.5 ft	17600	3220
13B-0559-C3BS	0.5 - 1.5 ft	23700	3650
13B-0559-C3CS	1.5 - 2.5 ft	40800	5300
13B-0560-C1BS	0.5 - 1.5 ft	36600	8700
13B-0560-C1CS	1.5 - 2.5 ft	87100	29300
13B-0560-C1GS	5.14 - 5.86 ft	19.4	25.0
13B-0560-C3AS	0 - 0.5 ft	34300	5390
13B-0561-C1BS	0.5 - 1.5 ft	40400	8240
13B-0561-C1CS	1.5 - 2.5 ft	42200	9890
13B-0561-C2AS	0 - 0.5 ft	59900	14300
13B-0562-G2AS	0 - 0.5 ft	139000	32800
13B-0563-C1AS	0 - 0.5 ft	9760	2620
13B-0563-C1AT	0 - 0.5 ft	10300	2020
13B-0563-C1BS	0.5 - 1.5 ft	1570	360
13B-0563-C2CS	1.1 - 2.5 ft	90700	26000

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Analytic Method		ID-0016	ID-0016
Analyte		Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
Unit		ng/g	ng/g
Minimum Detect		2.25	0.326
Maximum Detect		193000	54700
Mean of Detects		27200	6530
St. Dev. of Detects		25900	8390
CV of Detects		0.951	1.28
% Detected		99.6	99.1
Sample ID	Depth Interval		
13B-0563-C2IS	7.5 - 8.28 ft	26700	11500
13B-0564-G2AS	0 - 0.5 ft	21200	2800
13B-0565-G1AS	0 - 0.5 ft	12200	2090
13B-0566-G3AS	0 - 0.5 ft	5140	647
13B-0567-G2AS	0 - 0.5 ft	13600	1710
13B-0568-G2AS	0 - 0.5 ft	22600	5260
13B-0571-C3BS	0.5 - 1.5 ft	3200	469
13B-0571-C3CS	1.5 - 2.5 ft	89.4	13.5
13B-0571-C3MS	11 - 12 ft	1.98 U	19.8 U
13B-0571-C4AS	0 - 0.5 ft	37000	4630
13B-0572-C1BS	0.5 - 1.5 ft	59400	8790
13B-0573-C2AS	0 - 0.5 ft	118000	40200
13B-0573-C2BS	0.5 - 1.5 ft	50000	13100
13B-0573-C2CS	1.5 - 2.5 ft	7770	1220
13B-0573-C2DS	2.5 - 3.75 ft	35.1	10.2
13B-0574-C2AS	0 - 0.5 ft	26100	6940
13B-0574-C2BS	0.5 - 1.5 ft	47200	14600
13B-0574-C2CS	1.5 - 2.5 ft	18400	7130
13B-0574-C2HS	6.4 - 7.4 ft	22300	6800
13B-0575-C1AS	0 - 0.5 ft	26400	4050
13B-0575-C4BS	0.5 - 1.5 ft	9270	2180
13B-0575-C4CS	1.5 - 2.5 ft	65.8	52.9
13B-0575-C4FS	4.3 - 5.44 ft	4.83	4.64
13B-0577-G1AS	0 - 0.5 ft	28200	3000
13B-0578-C5CS	1.5 - 2.5 ft	39700	12200

APPENDIX I
DATA RESULTS SUMMARY
PAHs-HR

	Analytic Method	**ID-0016**	**ID-0016**
	Analyte	**Total High-molecular-weight PAHs**	**Total Low-molecular-weight PAHs**
	Unit	**ng/g**	**ng/g**
	Minimum Detect	**2.25**	**0.326**
	Maximum Detect	**193000**	**54700**
	Mean of Detects	**27200**	**6530**
	St. Dev. of Detects	**25900**	**8390**
	CV of Detects	**0.951**	**1.28**
	% Detected	**99.6**	**99.1**
Sample ID	**Depth Interval**		
13B-0578-C5CT	1.5 - 2.5 ft	39300	11600
13B-0578-C5GS	5.25 - 6.25 ft	36600	7340
13B-0578-C6AS	0 - 0.5 ft	27400	7650
13B-0578-C6BS	0.5 - 1.5 ft	8330	2280

Notes:
% = percent
ft = feet
ng/g = nanogram per gram
CV = Coefficient of Variation
HR = High Resolution
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
PAH = Polyaromatic Hydrocarbon
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
	Maximum Detect	620000	30600	8720	24900	832000	31900	8160	3460
	Mean of Detects	14300	2100	707	2030	86200	4100	1230	193
	St. Dev. of Detects	48400	4430	1280	2690	168000	6540	1520	345
	CV of Detects	3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
	% Detected	91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	550	890	36.7 J	2810	7830	1990	1190	541
13B-0501-C1BS	0.5 - 1.5 ft	402	546	59.4 J	652	6570	527	245	113
13B-0501-C1CS	1.5 - 2.5 ft	1270	497	87.4 J	1640	32000	1720	771	288
13B-0501-C1DS	2.5 - 3.07 ft	1060	141	5.64 J	47.5 J	4810	145	69.2	4.02 U
13B-0502-C2AS	0 - 0.5 ft	1090	153	35.9 J	330	6150	318	136	39.5 EMPC-J
13B-0502-C2BS	0.5 - 1.5 ft	1440	462	240 J	9590	47400	4020	2670	1580
13B-0502-C2CS	1.5 - 2.45 ft	11000	3190	1430	24900	224000 J	12100	8160	3460
13B-0503-C1AS	0 - 0.5 ft	443	33	19.8 U	115	1670	92.5	52.6	18 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	20.5 U	17 U	19.9 U	14.7 U	13.5 U	13 U	13.9 U	6.54 U
13B-0503-C1CS	1.5 - 2.5 ft	14.8 U	16.9 U	17.5 U	16.8 U	15.5 U	14.8 U	15.9 U	10.2 U
13B-0503-C1DS	2.5 - 2.5 ft	23.7 U	15.6 U	15.1 U	15.7 U	14.5 U	13.9 U	14.9 U	8.15 U
13B-0504-C4AS	0 - 0.5 ft	35400 J	857 J	144 J	1530 J	183000 J	6970 J	2370 J	95.9 J
13B-0504-C4BS	0.5 - 1.5 ft	79600 J	952 J	85 J	28.7 UJ	170000 J	30 UJ	1530 J	9.21 UJ
13B-0504-C4CS	1.5 - 2.5 ft	23600	412	27.4 J	313	62300	17.6 U	530	5.05 U
13B-0504-C4KS	9.5 - 10.25 ft	161	136	2.47 UJ	7.03 U	507	16.1 J	6.43 U	3.5 U
13B-0505-C1AS	0 - 0.5 ft	4310 J	2290 J	238 J	3370 J	30900 J	2200 J	1130 J	490 J
13B-0505-C1BS	0.5 - 1.5 ft	910	2380	147	1240	9610	729	472	247
13B-0505-C1CS	1.5 - 2.5 ft	5040	7950	994	9200	97400	7320	3230	1440
13B-0505-C1FS	4.5 - 5.2 ft	32.7 U	64.7 EMPC-J	17.9 U	24.6 U	94 J	24.2 U	26.5 U	14.9 U
13B-0506-C2AS	0 - 0.5 ft	3560	306	52.2	943	30600	1100	432	118
13B-0506-C2BS	0.5 - 1.5 ft	3200	40.6 J	7.83 U	92.3 J	1490	72	54.7	11.9 J
13B-0506-C2CS	1.5 - 2.5 ft	230	7.34 EMPC-J	6.25 U	7.52 J	120 J	8.25 J	3.43 U	2.12 U
13B-0507-C2AS	0 - 0.5 ft	87.4	16.3 J	4.45 UJ	26.9 J	304	26.6 J	7.36 U	5.44 U
13B-0507-C2BS	0.5 - 1.5 ft	30.5 J	2.08 U	3.72 UJ	3.57 U	12.4 J	3.38 U	3.64 U	5.33 U
13B-0507-C2CS	1.5 - 2.5 ft	5.26 U	5.72 J	4.16 UJ	3.08 U	2.97 U	2.91 U	3.13 U	4.45 U
13B-0507-C2DS	2.5 - 3.5 ft	7.12 U	2.95 U	5.67 UJ	6.33 U	6.11 U	5.99 U	6.44 U	5.65 U
13B-0508-G3AS	0 - 0.5 ft	61.8 J	366	12.2 UJ	39.3	508	24.2 EMPC-J	19.2	7.05 UJ
13B-0509-C1AS	0 - 0.5 ft	7090	12100	1730	2760	221000 J	8340	1960	145
13B-0509-C1BS	0.5 - 1.5 ft	497	264	57.4 J	79.9	8010	289	78.8	5.69 U
13B-0509-C1CS	1.5 - 2.5 ft	73.8 EMPC-J	223	4.9 U	15.5 U	160	14.5 U	14.5 U	5.33 U
13B-0509-C1ES	3.17 - 4.17 ft	59.1	654	5.82 U	15.7 U	53.7	14.6 U	14.7 U	8.55 U
13B-0510-C3AS	0 - 0.5 ft	4320	360	87.1 J	811	72600	2780	753	38.5

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
	Maximum Detect	620000	30600	8720	24900	832000	31900	8160	3460
	Mean of Detects	14300	2100	707	2030	86200	4100	1230	193
	St. Dev. of Detects	48400	4430	1280	2690	168000	6540	1520	345
	CV of Detects	3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
	% Detected	91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	559	133	9.68 J	50.9 J	3530	159	46.6 J	2.69 U
13B-0511-C3AS	0 - 0.5 ft	5070 J	1110 J	211 J	3230 J	37400 J	2130 J	1190 J	428 J
13B-0511-C3BS	0.5 - 1.5 ft	3990	1020	191	2450	34800	2130	1020	310
13B-0511-C3CS	1.5 - 2.5 ft	6220	2520	668	3100	123000	5420	1760	241
13B-0511-C3HS	5.95 - 6.95 ft	26700	1420	189	825	58400	2660	1020	10.5 EMPC-J
13B-0512-G1AS	0 - 0.5 ft	3750 J	1830 J	209 J	2090 J	26300 J	1670 J	855 J	245 J
13B-0513-G1AS	0 - 0.5 ft	14000 J	2830 J	1170 J	3360 J	183000 J	6260 J	1680 J	249 J
13B-0514-G1AS	0 - 0.5 ft	3770 J	1110 J	197 J	2010 J	34000 J	1990 J	895 J	223 J
13B-0515-C1AS	0 - 0.5 ft	1990	150	28.7 J	413	8620	389	181	49.6 EMPC-J
13B-0515-C1BS	0.5 - 1.71 ft	30.3 J	4.48 U	9.28 U	5.16 U	51.4 EMPC-J	4.47 U	4.73 U	4.12 U
13B-0515-C2CS	1.5 - 2.19 ft	16.8 J	5.49 U	12.8 U	5.15 U	45.4 J	4.46 U	4.72 U	5.38 U
13B-0516-C2AS	0 - 0.5 ft	3380 J	728 J	127 J	1900 J	30200 J	1740 J	855 J	248 J
13B-0516-C2BS	0.5 - 1.5 ft	17900 J	1450 J	304 J	4630 J	67400 J	4040 J	2360 J	548 J
13B-0516-C2CS	1.5 - 2.5 ft	8930 J	18400 J	1870 J	7360 J	144000 J	6840 J	3300 J	872 J
13B-0516-C2LS	10.4 - 11.4 ft	19000	8080	767	1560	142000	4640	2210	18.1 J
13B-0517-G2AS	0 - 0.5 ft	162	28.6 J	4.53 U	82.9	1280	77.9	47.6	9.86 EMPC-J
13B-0518-G1AS	0 - 0.5 ft	1040	137	23.1 J	440	6380	363	175	67.5
13B-0518-G1AT	0 - 0.5 ft	1640	210	47.4 EMPC-J	514	8010	414	202	67.7
13B-0519-C2AS	0 - 0.5 ft	5540 J	515 J	99.7 J	1890 J	26200 J	1470 J	746 J	234 J
13B-0519-C2BS	0.5 - 1.5 ft	2460	465	122	1450	22800	1500	794	211
13B-0519-C2CS	1.5 - 2.5 ft	11500 J	5060 J	1110 J	3950 J	301000 J	13000 J	3640 J	155 J
13B-0519-C2RS	16.1 - 17.1 ft	18.5 U	8.87 U	8.62 U	11 U	107 J	9.79 U	12 U	5.9 U
13B-0520-G1AS	0 - 0.5 ft	2850 J	545 J	99.8 J	1700 J	26700 J	1400 J	695 J	169 J
13B-0521-C2AS	0 - 0.5 ft	359	106	16.6 J	418	3350	223	92.7	42.5
13B-0521-C2BS	0.5 - 1.5 ft	228	70	10.1 J	126	1840	98.4	43.7 EMPC-J	18.4 J
13B-0521-C2CS	1.5 - 2.5 ft	675	72.4	18.8 J	280	4670	268	127	38.7 EMPC-J
13B-0521-C2HS	6.5 - 7.63 ft	24000 J	10500 J	3230 J	6160 J	665000 J	26400 J	5620 J	60.8 EMPC-J
13B-0522-G1AS	0 - 0.5 ft	4900 J	1070 J	186 J	2920 J	38300 J	2210 J	1090 J	264 J
13B-0522-G1AT	0 - 0.5 ft	4770 J	1030 J	169 J	2730 J	35800 J	1940 J	1030 J	247 J
13B-0523-G2AS	0 - 0.5 ft	5110 J	1160 J	232 J	2920 J	39500 J	2610 J	1300 J	377 J
13B-0524-C1AS	0 - 0.5 ft	3380 J	507 J	104 J	2180 J	34700 J	1920 J	813 J	225 J
13B-0524-C1BS	0.5 - 1.5 ft	7160	696	150	3340	46200	3320	1440	366 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
	Maximum Detect	620000	30600	8720	24900	832000	31900	8160	3460
	Mean of Detects	14300	2100	707	2030	86200	4100	1230	193
	St. Dev. of Detects	48400	4430	1280	2690	168000	6540	1520	345
	CV of Detects	3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
	% Detected	91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	4980	1190	303	5080	65700	4700	2050	535
13B-0524-C1GS	5.39 - 6.39 ft	7950	11700	1570	246 U	150000	7510	3230	572
13B-0525-C1AS	0 - 0.5 ft	5090 J	871 J	150 J	2720 J	37600 J	2160 J	1060 J	327 J
13B-0525-C1BS	0.5 - 1.5 ft	4650 J	848 J	177 J	3340 J	50000 J	3090 J	1440 J	389 J
13B-0525-C1CS	1.5 - 2.5 ft	5580 J	939 J	282 J	4000 J	64600 J	5000 J	2030 J	510 J
13B-0525-C1HS	6.42 - 7.42 ft	6280	22100	1420	5080	103000	5180	1820	568
13B-0526-C1AS	0 - 0.5 ft	11000 J	6490 J	1710 J	3450 J	302000 J	10500 J	2290 J	16.7 UJ
13B-0526-C1BS	0.5 - 1.5 ft	24300 J	6170 J	2250 J	8190 J	789000 J	26500 J	5400 J	16 UJ
13B-0526-C1CS	1.5 - 2.5 ft	19400 J	14700 J	3680 J	7590 J	688000 J	25300 J	5820 J	13.8 UJ
13B-0526-C1CT	1.5 - 2.5 ft	20700 J	17200 J	4100 J	7200 J	719000 J	25800 J	5780 J	17.3 UJ
13B-0526-C1HS	6.5 - 7.62 ft	4650	976	223 J	477	50900	1410	802	7.7 U
13B-0527-C2AS	0 - 0.5 ft	339	61.7	6.51 U	149	2480	134	52	20.4 J
13B-0527-C2BS	0.5 - 1.5 ft	12.1 J	3.04 U	7.16 U	31.7 EMPC-J	81.4 J	5.2 U	4.97 U	4.36 U
13B-0527-C2CS	1.5 - 2.6 ft	5.53 U	3.05 U	9.64 U	5.25 U	11.4 J	4.99 U	4.77 U	3.65 U
13B-0528-C3AS	0 - 0.5 ft	6040 J	1010 J	258 J	2880 J	77300 J	3580 J	1210 J	289 J
13B-0528-C3BS	0.5 - 1.5 ft	27200 J	5700 J	2760 J	6570 J	790000 J	24800 J	4870 J	137 EMPC-J
13B-0528-C3CS	1.5 - 2.5 ft	34200 J	948 J	283 J	961 J	204000 J	4050 J	1150 J	14.5 UJ
13B-0528-C3LS	10.5 - 11.54 ft	6410	275	5.89 UJ	23.3 U	1220	20.9 U	119	10.8 U
13B-0529-C2AS	0 - 0.5 ft	503	223	60.7 J	419	7260	356	174	52.4
13B-0529-C2BS	0.5 - 1.5 ft	135	18.2	6.08 UJ	38.7	882	47.8	19.3 EMPC-J	5.4 J
13B-0529-C2CS	1.5 - 2.5 ft	960	10.2 EMPC-J	6.2 UJ	7.59 U	268	6.87 U	7.3 U	5.61 U
13B-0529-C2ES	3.5 - 4.2 ft	119	9.02 EMPC-J	11.7 UJ	6.66 U	12.9 J	6.02 U	6.4 U	7.5 U
13B-0530-C1AS	0 - 0.5 ft	643	142 EMPC-J	56.3 J	307	5030	327	130	42 J
13B-0530-C1BS	0.5 - 1.5 ft	4560	3830	751	2620	51400	2550	1490	381
13B-0530-C1CS	1.5 - 1.8 ft	1120	8230	511	471	8450	478	67 U	85
13B-0531-C2AS	0 - 0.5 ft	7950 J	53.2	14 J	171	2430	127	60.8	21.6 EMPC-J
13B-0531-C2AT	0 - 0.5 ft	1290 J	121	16.2 J	372	3230	179	152	41.6 J
13B-0531-C2BS	0.5 - 1.5 ft	137	37.6 J	3.29 U	138	8350 J	342	105	3.48 U
13B-0531-C2CS	1.5 - 2.5 ft	579	6.65 U	3.09 U	7.4 U	113 J	6.81 U	7.44 U	2.59 U
13B-0531-C2ES	3.5 - 4.42 ft	12.9 J	10.2 EMPC-J	3.67 U	5.16 U	10.5 U	4.75 U	5.19 U	2.72 U
13B-0532-C1AS	0 - 0.5 ft	499	150	8.61 UJ	457	4450	216	137	59
13B-0532-C1BS	0.5 - 1.5 ft	140	60.9	11.9 UJ	92.5 J	1210	72.1	38.7 J	13.9 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
	Maximum Detect	620000	30600	8720	24900	832000	31900	8160	3460
	Mean of Detects	14300	2100	707	2030	86200	4100	1230	193
	St. Dev. of Detects	48400	4430	1280	2690	168000	6540	1520	345
	CV of Detects	3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
	% Detected	91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	112	36.7 U	10.8 UJ	8.5 U	177	7.08 U	7.86 U	4.97 U
13B-0532-C1DS	2.5 - 3.73 ft	16.9 J	7.11 U	8.93 UJ	6.52 U	13.9 J	5.44 U	6.03 U	6.36 U
13B-0533-C2AS	0 - 0.5 ft	5450 J	1370 J	266 J	2950 J	63200 J	3610 J	1240 J	308 J
13B-0533-C2AT	0 - 0.5 ft	5490 J	1070 J	221 J	2510 J	52900 J	2880 J	1080 J	318 J
13B-0533-C2BS	0.5 - 1.5 ft	20700 J	3210 J	2440 J	6040 J	608000 J	24900 J	5110 J	72.1 J
13B-0533-C2CS	1.5 - 2.5 ft	25600 J	2260 J	254 J	821 J	163000 J	4620 J	1730 J	7.92 UJ
13B-0533-C2JS	8.5 - 9.62 ft	116000	82.8	6.75 UJ	69.3 J	11700	291	138	5.43 U
13B-0533-C2JT	8.5 - 9.62 ft	116000	76.7	9.05 J	46.7 EMPC-J	10500	252	99.2	5.11 U
13B-0534-C2AS	0 - 0.5 ft	16900 J	5680 J	2310 J	4600 J	330000 J	13200 J	2290 J	187 J
13B-0534-C2AT	0 - 0.5 ft	15200 J	5370 J	2200 J	4430 J	313000 J	11900 J	2130 J	175 J
13B-0534-C2BS	0.5 - 1.5 ft	28800	2060	513 J	1300	154000	4820	1370	8.6 U
13B-0534-C2CS	1.5 - 2.5 ft	90100	207	18.1 J	173	30800	19.8 U	316	6.96 U
13B-0534-C2IS	7.5 - 8.59 ft	116000	96.7	4.51 UJ	28.2 EMPC-J	3850	85.8	54.7 EMPC-J	2.99 U
13B-0535-C2AS	0 - 0.5 ft	16100 J	1120 J	192 J	2670 J	44000 J	2250 J	1100 J	288 J
13B-0535-C2BS	0.5 - 1.5 ft	4110	11.9 U	16.5 U	38.5 J	917	39 J	21.3 J	6.97 U
13B-0535-C2CS	1.5 - 2.45 ft	59.1	10.5 U	13.5 U	14.3 U	77.1 J	14.6 U	13.7 U	5.13 U
13B-0536-C1AS	0 - 0.5 ft	20800 J	555 J	102 J	1720 J	21200 J	1220 J	614 J	197 J
13B-0536-C1BS	0.5 - 1.5 ft	841	41.1 J	3.08 U	8.15 J	574	18 J	8.51 J	1.71 U
13B-0536-C1CS	1.5 - 2.5 ft	107	167	2.95 U	4.34 U	221	10.4 J	4.02 U	1.89 U
13B-0536-C1FS	4.28 - 5.28 ft	194	240	2.1 U	4.38 U	35.2 J	3.92 U	4.06 U	2.21 U
13B-0537-C3AS	0 - 0.5 ft	856	207	46.4	527	8900	476	205	63.9
13B-0538-C3AS	0 - 0.5 ft	34600 J	28700 J	5910 J	6880 J	712000 J	24000 J	3820 J	75.2 J
13B-0538-C3BS	0.5 - 1.5 ft	39700 J	8090 J	4870 J	6400 J	702000 J	21600 J	3560 J	124 EMPC-J
13B-0538-C3CS	1.5 - 2.5 ft	13500 J	19400 J	4640 J	4170 J	520000 J	15000 J	2290 J	66.3 EMPC-J
13B-0538-C3ES	3.5 - 4.8 ft	55.1	62.3	5.81 UJ	8.89 U	54.7 J	7.71 U	8.45 U	6.29 U
13B-0539-C3AS	0 - 0.5 ft	13800	1280	509	1430 J	102000 J	3540 J	1610 J	73.8
13B-0539-C3AT	0 - 0.5 ft	16300	1990	721	1780	137000	4940	1930	67.4 EMPC-J
13B-0539-C3BS	0.5 - 1.5 ft	170000	661	11.7 U	227	45000	1030	475	8.09 U
13B-0539-C3CS	1.5 - 2.5 ft	620000 J	129	10.5 U	52.9 U	13200	283	293	6.61 U
13B-0539-C3HS	6.5 - 7.59 ft	162	4.81 U	5.47 U	6.64 U	12.7 J	5.8 U	6.31 U	2.77 U
13B-0540-C4AS	0 - 0.5 ft	4960 J	743 J	133 J	2170 J	37500 J	1850 J	829 J	239 J
13B-0540-C4BS	0.5 - 1.5 ft	5240 J	1440 J	344 J	2220 J	84100 J	3510 J	1280 J	183 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
Maximum Detect		620000	30600	8720	24900	832000	31900	8160	3460
Mean of Detects		14300	2100	707	2030	86200	4100	1230	193
St. Dev. of Detects		48400	4430	1280	2690	168000	6540	1520	345
CV of Detects		3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
% Detected		91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	16500 J	8640 J	3460 J	5510 J	569000 J	17500 J	4300 J	114 EMPC-J
13B-0540-C4LS	10.3 - 11.25 ft	25.9 U	6.22 U	8.61 UJ	8.98 U	27.3 J	8.99 U	8.44 U	6.93 U
13B-0541-C1AS	0 - 0.5 ft	4920 J	995 J	453 J	1380 J	62300 J	2570 J	813 J	97.9 J
13B-0541-C1BS	0.5 - 1.5 ft	4170	1490	707	839	62600	2650	786	13.7 EMPC-J
13B-0541-C1CS	1.5 - 2.5 ft	1680	218	57.1	265	17800	901	305	3.87 U
13B-0541-C1FS	4.5 - 5.67 ft	13.3 U	11.1 U	16.8 U	10.4 U	32.9 J	9.12 U	9.8 U	6.76 U
13B-0542-C2AS	0 - 0.5 ft	23000	201	7.73 U	35.3 J	1150	57.4 EMPC-J	29 EMPC-J	4.92 U
13B-0542-C2BS	0.5 - 1.5 ft	55.4	239	9.03 U	7.39 U	16.7 EMPC-J	7.58 U	7.09 U	3.53 U
13B-0542-C2CS	1.5 - 2.5 ft	67.6	388	9.11 U	8.26 U	14.4 EMPC-J	8.47 U	7.93 U	4.37 U
13B-0542-C2HS	6.5 - 7.55 ft	8.81 U	9.93 U	11.7 U	6.92 U	6.24 U	7.09 U	6.64 U	4.5 U
13B-0543-G1AS	0 - 0.5 ft	3040 J	585 J	117 J	1300 J	24200 J	1310 J	547 J	141 J
13B-0544-C2AS	0 - 0.5 ft	2730 J	517 J	87 J	1020 J	22300 J	1180 J	569 J	128 J
13B-0544-C2BS	0.5 - 1.5 ft	10700	564	130	1340	37200	1770	816	152
13B-0544-C2CS	1.5 - 2.5 ft	8330	782	191	2630	49900	2960	1400	260
13B-0544-C2ES	3 - 3.97 ft	17500	362	67.9 EMPC-J	938	17300	941	579	120
13B-0546-G2AS	0 - 0.5 ft	360	418	75 EMPC-J	2680	4340	298	631	325
13B-0547-C2AS	0 - 0.5 ft	29300 J	2730 J	2420 J	5790 J	468000 J	24100 J	4960 J	76.4 EMPC-J
13B-0547-C2BS	0.5 - 1.5 ft	72800 J	1250 J	929 J	1870 J	170000 J	7520 J	2460 J	29.2 J
13B-0547-C2CS	1.5 - 2.05 ft	47900	154	5.86 UJ	91.1	3830	145	278	6.5 U
13B-0547-C2HS	6.5 - 7.15 ft	6.72 EMPC-J	3.95 U	14.4 UJ	6.4 U	15.2	5.54 U	5.89 U	4.03 U
13B-0548-C1AS	0 - 0.5 ft	2010	556	106	852	16200	917	351	105
13B-0548-C1BS	0.5 - 1.5 ft	2210	261	62.6	775	20600	991	296	90.6
13B-0548-C1BT	0.5 - 1.5 ft	2270	326	68.6 J	785	16800	800	352	89.2
13B-0548-C1CS	1.5 - 2.5 ft	5800	621	125 EMPC-J	1400	33500	1810	750	147
13B-0548-C1IS	7.5 - 8.79 ft	9.18 U	9.31 U	13.5 U	10.4 U	9.23 U	9.21 U	9.84 U	5.31 U
13B-0549-C3AS	0 - 0.5 ft	2350	272	48.1 J	951	16500	1070	354	106
13B-0549-C3BS	0.5 - 1.5 ft	36.1 EMPC-J	48.1 J	12.6 U	9.33 U	25.1 U	9.16 U	8.81 U	4.46 U
13B-0549-C3CS	1.5 - 2.65 ft	48	182	10.8 U	8.07 U	7.08 U	7.92 U	7.62 U	3.56 U
13B-0550-C3AS	0 - 0.5 ft	2850 J	347 J	72.4 J	1150 J	21500 J	1180 J	465 J	122 J
13B-0550-C3BS	0.5 - 1.5 ft	707	125	30.6 J	189	5770	315	109	16.4 J
13B-0550-C3CS	1.5 - 2.5 ft	10.7 U	7.84 J	3.41 UJ	3.61 U	13.9 U	3.77 U	3.3 U	2.39 U
13B-0550-C3FS	4.5 - 5.37 ft	2.83 U	2.28 U	4.27 UJ	3.03 U	7.87 U	3.17 U	2.77 U	2.19 U

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DATA RESULTS SUMMARY
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Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
Maximum Detect		620000	30600	8720	24900	832000	31900	8160	3460
Mean of Detects		14300	2100	707	2030	86200	4100	1230	193
St. Dev. of Detects		48400	4430	1280	2690	168000	6540	1520	345
CV of Detects		3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
% Detected		91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	3170	357	157 J	555	21100	873	352	54.9
13B-0551-C2BS	0.5 - 0.88 ft	4920	228	96.5 J	219	16800	593	228	2.92 U
13B-0552-C3AS	0 - 0.5 ft	4380 J	818 J	155 J	1390 J	38800 J	1590 J	602 J	175 J
13B-0552-C3BS	0.5 - 1.5 ft	8410	1760	314	3180	82600	4220	1790	435
13B-0552-C3CS	1.5 - 2.38 ft	10500 J	5210	2180	3620 J	335000 J	11100 J	2850 J	26.7 UJ
13B-0552-C3CT	1.5 - 2.38 ft	9140	4220	2200	3130	314000	10800	2690	56.2
13B-0553-C2AS	0 - 0.5 ft	8710	160	35.9 J	527	18000	556	251	54.8 EMPC-J
13B-0553-C2BS	0.5 - 1.5 ft	11100	45	6.22 UJ	35.7 J	481	15.9 EMPC-J	52.6	2.99 U
13B-0553-C2CS	1.5 - 2.5 ft	158	155	8.57 UJ	15.3 U	70 EMPC-J	13.4 U	14.2 U	8.35 U
13B-0553-C2DS	2.5 - 3.5 ft	158	365	11.5 UJ	24.3 U	108 EMPC-J	21.2 U	22.5 U	11.5 U
13B-0554-C1AS	0 - 0.5 ft	4070 J	214	35.6 J	540	9850	448	207	61
13B-0554-C1BS	0.5 - 1.5 ft	3980	780	136	2070	31500	1770	782	257
13B-0554-C1CS	1.5 - 2.5 ft	3640	1350	255	1360	42400	1930	591	154
13B-0554-C1ES	3.5 - 4.7 ft	65	11.1 U	6.03 U	8.79 U	23.6 U	7.63 U	8.27 U	4.34 U
13B-0555-C1AS	0 - 0.5 ft	28500 J	6750 J	3640 J	7740 J	684000 J	26200 J	6510 J	100 EMPC-J
13B-0555-C1BS	0.5 - 1.22 ft	113000 J	1070	842 J	2080	174000	6590	2220	21.8 EMPC-J
13B-0555-C2CS	1.5 - 2 ft	21300 J	14600 J	6020 J	9350 J	832000 J	31900 J	7650 J	131 EMPC-J
13B-0555-C2DS	2 - 3 ft	210000 J	2460 J	1420 J	3300 J	282000 J	10300 J	2830 J	36.2 EMPC-J
13B-0556-C2AS	0 - 0.5 ft	2710 J	355 J	89.9 J	1330 J	27600 J	1670 J	602 J	155 J
13B-0556-C2BS	0.5 - 1.5 ft	3110	378	105 J	2530	30000	3880	1110	330
13B-0556-C2CS	1.5 - 2.38 ft	4440	1020	105 J	701	18600	1080	385	72.9 EMPC-J
13B-0557-C2AS	0 - 0.5 ft	2990 J	672 J	179 J	1350 J	37800 J	1660 J	658 J	99.6 J
13B-0557-C2BS	0.5 - 1.5 ft	3460 J	550 J	156 J	873 J	33900 J	1630 J	544 J	67.8 J
13B-0557-C2CS	1.5 - 2.5 ft	5250	2030	457	2890	74100	3210	1430	232
13B-0557-C2ES	3.5 - 4.5 ft	21500	4950	976	1260	98600	4170	1420	25.9 EMPC-J
13B-0558-C2AS	0 - 0.5 ft	1880 J	531 J	103 J	1220 J	19600 J	1040 J	470 J	96.7 J
13B-0558-C2BS	0.5 - 1.5 ft	19100 J	199	53.6 J	303	8240	412	317	20.7 J
13B-0558-C2CS	1.5 - 2.5 ft	811 J	73.3	5.03 UJ	8.57 U	555	12.2 EMPC-J	16.5	3.6 UJ
13B-0558-C2FS	4.5 - 5.75 ft	27.3 UJ	4.92 U	5.58 UJ	10.3 U	17.4 U	9.32 U	9.59 U	5.25 UJ
13B-0559-C3AS	0 - 0.5 ft	1650	238	63.3 J	1010	10600	564	284	130
13B-0559-C3BS	0.5 - 1.5 ft	3450 J	484 J	142 J	1070 J	30000 J	1320 J	499 J	111 J
13B-0559-C3CS	1.5 - 2.5 ft	4370	2220	561	1840	53500	2350	737	186

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DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
Maximum Detect		620000	30600	8720	24900	832000	31900	8160	3460
Mean of Detects		14300	2100	707	2030	86200	4100	1230	193
St. Dev. of Detects		48400	4430	1280	2690	168000	6540	1520	345
CV of Detects		3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
% Detected		91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	6140	4710	1490	2720	110000	3960	1370	148
13B-0560-C1AS	0 - 0.5 ft	1070	257	56 J	426	6550	406	137	50.8
13B-0560-C1BS	0.5 - 1.5 ft	2400	958	181	1260	20600	1350	547	167
13B-0560-C1CS	1.5 - 2.5 ft	8160 J	1900 J	406 J	2340 J	44400 J	2580 J	1080 J	423 J
13B-0560-C1GS	5.14 - 5.86 ft	31.9 U	115	17.3 U	17.2 U	93.1 J	17.8 U	18.2 U	9.37 U
13B-0561-C1AS	0 - 0.5 ft	8840	3650	1260	2990	222000	8980	3210	70.4
13B-0561-C1BS	0.5 - 1.5 ft	7980	3220	919	1220	113000	4230	1790	13.3 U
13B-0561-C1CS	1.5 - 2.5 ft	4730	658	131	1620 J	78000 J	6300 J	951 J	45 J
13B-0561-C1GS	5.5 - 6.5 ft	56.3 EMPC-J	15.1 U	12.9 U	18.4 U	16.6 U	18.1 U	18.5 U	9.68 U
13B-0562-G2AS	0 - 0.5 ft	762	205	58.8 EMPC-J	298	12400	413	140	37 J
13B-0563-C2AS	0 - 0.5 ft	241	94.8	20.6 J	149	1940	86.4 EMPC-J	42	16.2 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	5.72	5.64	7.52	11.4	8.25	8.51	3.4
	Maximum Detect	620000	30600	8720	24900	832000	31900	8160	3460
	Mean of Detects	14300	2100	707	2030	86200	4100	1230	193
	St. Dev. of Detects	48400	4430	1280	2690	168000	6540	1520	345
	CV of Detects	3.39	2.11	1.82	1.32	1.95	1.60	1.23	1.79
	% Detected	91.6	87.8	67.6	76.9	93.3	77.7	77.3	62.6
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	352	63.4	19.5 J	211	3120	148	70.4	16.6 EMPC-J
13B-0563-C2BS	0.5 - 1.1 ft	114	64.6	4.68 UJ	121	1070	64.9	34.1 J	12.9 J
13B-0563-C2CS	1.1 - 2.5 ft	21100 J	30600 J	8720 J	7060 J	556000 J	25900 J	5690 J	90.4 EMPC-J
13B-0563-C2IS	7.5 - 8.28 ft	13700	254	21.9 EMPC-J	157	8420	304	130	2.99 U
13B-0564-G2AS	0 - 0.5 ft	6210 J	1290 J	273 J	2350 J	55300 J	2910 J	1060 J	283 J
13B-0565-G1AS	0 - 0.5 ft	806	143 EMPC-J	36 J	582	7830	492	219 EMPC-J	81.7 EMPC-J
13B-0566-G3AS	0 - 0.5 ft	550	148	25.5 J	476	7900	781	211	63.8
13B-0567-G2AS	0 - 0.5 ft	4670 J	1130 J	181 J	2810 J	37400 J	2040 J	1070 J	254 J
13B-0568-G2AS	0 - 0.5 ft	16000 J	6120 J	847 J	1840 J	171000 J	6480 J	2470 J	31.3 J
13B-0570-G3AS	0 - 0.5 ft	3400 J	547 J	107 J	1040 J	30700 J	1290 J	477 J	117 J
13B-0571-C3AS	0 - 0.5 ft	3110	161	28.8 J	390	10500	452	155	48.2 J
13B-0571-C3BS	0.5 - 1.5 ft	1710	406	15.8 J	217	5920	249	86.9	22.6 J
13B-0571-C3CS	1.5 - 2.5 ft	1910	7.69 EMPC-J	1.29 U	2.93 U	226	2.56 U	2.82 U	0.952 U
13B-0571-C3MS	11 - 12 ft	5.25 U	8.36 J	2.19 U	2.16 U	8.39 U	1.88 U	2.08 U	1.45 U
13B-0572-C1AS	0 - 0.5 ft	1550	64.9	16.6 U	25.1 J	1070	28.3 EMPC-J	21.2 J	8.07 U
13B-0572-C1BS	0.5 - 1.5 ft	294	108	21.2 U	30.2 U	102 J	26 U	28.9 U	13.1 U
13B-0572-C1CS	1.5 - 2.27 ft	91.6	59	13.4 U	18.3 U	26.3 EMPC-J	15.7 U	17.5 U	8.58 U
13B-0573-C2AS	0 - 0.5 ft	1300	381	103	525	10200	504	238	52.5
13B-0573-C2BS	0.5 - 1.5 ft	348	253	46.8 J	241	3860	177	79.7	25 EMPC-J
13B-0573-C2CS	1.5 - 2.5 ft	2000	699	187	424	35800	1170	321	13.7 EMPC-J
13B-0573-C2DS	2.5 - 3.75 ft	24.2 U	14.3 U	13.5 U	18.9 U	188	18.6 U	19 U	7.81 U
13B-0574-C2AS	0 - 0.5 ft	3610	2020	461	1150	66100	2640	774	17.2 J
13B-0574-C2BS	0.5 - 1.5 ft	2900 J	1560 J	412	819	59600	2360	613	15.4 EMPC-J
13B-0574-C2CS	1.5 - 2.5 ft	6540	2250	621	2050	122000	4430	1580	36.1 J
13B-0574-C2HS	6.4 - 7.4 ft	4090	2860	1010	1600	125000	5220	1420	14.7 EMPC-J
13B-0575-C4AS	0 - 0.5 ft	10300 J	2830 J	2110 J	4360 J	328000 J	13500 J	2950 J	147 J
13B-0575-C4BS	0.5 - 1.5 ft	6550	3470	1060	1690	172000	6210	1580	18.3 EMPC-J
13B-0575-C4CS	1.5 - 2.5 ft	38.7 U	137	12.6 J	15.2 U	103 EMPC-J	13.4 U	16.9 U	9.02 U
13B-0575-C4FS	4.3 - 5.44 ft	22.1 U	5.36 U	5 U	8.25 U	26.2 J	7.27 U	9.15 U	5 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
Analyte		**Decachlorobiphenyl (PCB-209)**	**PCB-1**	**PCB-10**	**PCB-100**	**PCB-101**	**PCB-102**	**PCB-103**	**PCB-104**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**6.72**	**5.72**	**5.64**	**7.52**	**11.4**	**8.25**	**8.51**	**3.4**
Maximum Detect		**620000**	**30600**	**8720**	**24900**	**832000**	**31900**	**8160**	**3460**
Mean of Detects		**14300**	**2100**	**707**	**2030**	**86200**	**4100**	**1230**	**193**
St. Dev. of Detects		**48400**	**4430**	**1280**	**2690**	**168000**	**6540**	**1520**	**345**
CV of Detects		**3.39**	**2.11**	**1.82**	**1.32**	**1.95**	**1.60**	**1.23**	**1.79**
% Detected		**91.6**	**87.8**	**67.6**	**76.9**	**93.3**	**77.7**	**77.3**	**62.6**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	2350 J	197 J	36.2 J	511 J	10900 J	465 J	208 J	61.1 EMPC-J
13B-0578-C5AS	0 - 0.5 ft	4830	53	53.2	81.6 J	2170	93.7	40.5 J	9.48 J
13B-0578-C5BS	0.5 - 1.5 ft	27200	38.3 U	3.79 U	79.8 J	4290	182	80.3	3.4 EMPC-J
13B-0578-C5CS	1.5 - 2.5 ft	21900	81.1 EMPC-J	23.6 U	62 J	1300	60.1	180	5.13 U
13B-0578-C5CT	1.5 - 2.5 ft	24200	102	5.48 U	51.6 J	1510	60.6	237	3.87 U
13B-0578-C5GS	5.25 - 6.25 ft	23.1 J	7.44 U	4.98 U	6.67 U	71.8 J	6.9 U	7.09 U	2.57 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0501-C1AS	0 - 0.5 ft	2170	52.4 U	187	5440	455	1400 J	7490	48 U	53.9 U
13B-0501-C1BS	0.5 - 1.5 ft	2080	25.2 U	181	4190	439	1480 J	7220	23.1 U	25.9 U
13B-0501-C1CS	1.5 - 2.5 ft	8380	65.9 U	933	19300	1890	4130 J	31800	60.4 U	67.8 U
13B-0501-C1DS	2.5 - 3.07 ft	938	7.29 U	101	2750	203	590 J	5800	6.68 U	7.5 U
13B-0502-C2AS	0 - 0.5 ft	2040	28.5 U	195	3920	371	1980	7330	24.9 U	25.6 U
13B-0502-C2BS	0.5 - 1.5 ft	11100	12.4 U	1130	28100	2540	8320	51700 J	44.9 EMPC-J	147
13B-0502-C2CS	1.5 - 2.45 ft	59000 J	120 EMPC-J	5700	134000	11600	60200 J	243000 J	257	356
13B-0503-C1AS	0 - 0.5 ft	596	17.2 U	57.8	1040	103	283 J	1970	15 U	15.4 U
13B-0503-C1BS	0.5 - 1.5 ft	13.9 U	12.4 U	12 U	13.2 U	10.7 U	40.1 UJ	19.7 EMPC-J	10.8 U	11.1 U
13B-0503-C1CS	1.5 - 2.5 ft	13.8 U	14.1 U	13.7 U	15.1 U	12.2 U	28.2 UJ	14.2 U	12.3 U	12.7 U
13B-0503-C1DS	2.5 - 2.5 ft	14.7 U	13.2 U	12.8 U	14.1 U	11.4 U	31.7 UJ	13.3 U	11.6 U	11.9 U
13B-0504-C4AS	0 - 0.5 ft	50100 J	27.9 UJ	5070 J	107000 J	11300 J	69000 J	202000 J	119 J	30.2 UJ
13B-0504-C4BS	0.5 - 1.5 ft	58200 EMPC-J	19.2 UJ	5140 J	102000 J	9960 J	64300 J	184000 J	97.4 J	280 J
13B-0504-C4CS	1.5 - 2.5 ft	21200	11.2 U	1950	37300	3570	28200 J	71200	35.9	12.2 U
13B-0504-C4KS	9.5 - 10.25 ft	222	4.69 U	21.6 J	317	33.5	92.5 UJ	527	4.73 U	5.09 U
13B-0505-C1AS	0 - 0.5 ft	11400 J	115 UJ	936 J	19200 J	1980 J	7190 J	36400 J	107 UJ	111 UJ
13B-0505-C1BS	0.5 - 1.5 ft	2840	69.5 U	287	5630	603	4620	11100	65.2 U	67.5 U
13B-0505-C1CS	1.5 - 2.5 ft	26900	375 U	2530	57400	6180	36100	109000	347 U	361 U
13B-0505-C1FS	4.5 - 5.2 ft	22.5 U	19.2 U	19.5 U	21.3 U	18.3 U	67 U	87.2	18 U	18.7 U
13B-0506-C2AS	0 - 0.5 ft	12300	44.9 U	1260	19800	2140	2970	37200	39.2 U	40.2 U
13B-0506-C2BS	0.5 - 1.5 ft	478	9.66 U	43 J	810	132	386	1680	8.42 U	8.64 U
13B-0506-C2CS	1.5 - 2.5 ft	35.2 EMPC-J	3.09 U	3.01 U	71.3 J	8.38 J	69.7 U	142	2.7 U	2.77 U
13B-0507-C2AS	0 - 0.5 ft	129	6 U	6.01 U	190 J	21.1 J	74.3 UJ	312	5.5 U	6.18 U
13B-0507-C2BS	0.5 - 1.5 ft	8.06 J	2.96 U	2.97 U	3.37 U	2.69 U	26.6 UJ	11.9 EMPC-J	2.72 U	3.05 U
13B-0507-C2CS	1.5 - 2.5 ft	3.27 U	2.56 U	2.56 U	2.9 U	2.32 U	22.6 UJ	2.52 U	2.34 U	2.63 U
13B-0507-C2DS	2.5 - 3.5 ft	5.97 U	5.26 U	5.26 U	5.97 U	4.77 U	26.1 UJ	5.18 U	4.82 U	5.41 U
13B-0508-G3AS	0 - 0.5 ft	160 J	14 U	13.5 U	328	27.6 EMPC-J	107 UJ	632	12.6 U	13.1 U
13B-0509-C1AS	0 - 0.5 ft	77900 J	122	7130	152000	12500	30300	261000 J	99.3	281
13B-0509-C1BS	0.5 - 1.5 ft	2900	7.57 U	251	5290	472	2630	9200	6.83 U	7.81 U
13B-0509-C1CS	1.5 - 2.5 ft	66.7	12.4 U	12.3 U	105	11.2 U	135 UJ	152	11.2 U	12.7 U
13B-0509-C1ES	3.17 - 4.17 ft	32.1 EMPC-J	12.5 U	12.5 U	28.2 EMPC-J	11.3 U	234 UJ	52.9 EMPC-J	11.3 U	12.9 U
13B-0510-C3AS	0 - 0.5 ft	24500	42 U	2370	48700	4450	3300 J	83100	40.6 U	43.5 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0510-C3BS	0.5 - 1.9 ft	1100	5.2 U	109	2290	230	200 J	4210	5.02 U	5.38 U
13B-0511-C3AS	0 - 0.5 ft	13300 J	126 UJ	1260 J	22800 J	2500 J	6980 J	39500 J	119 UJ	133 J
13B-0511-C3BS	0.5 - 1.5 ft	12200	99.7 U	1080	20900	2220	7030 J	35700	94.3 U	98.5 U
13B-0511-C3CS	1.5 - 2.5 ft	40700	90.5 U	3840	77300	7210	25700 J	122000	85.6 U	381
13B-0511-C3HS	5.95 - 6.95 ft	16900	33.5 U	1510	33100	3790	4850 J	63700	63.8	152
13B-0512-G1AS	0 - 0.5 ft	8960 J	96.1 UJ	790 J	16600 J	1700 J	4210 J	27800 J	92.9 UJ	99.5 UJ
13B-0513-G1AS	0 - 0.5 ft	80300 J	185 J	6390 J	138000 J	10600 J	54600 J	194000 J	93.7 UJ	361 J
13B-0514-G1AS	0 - 0.5 ft	10700 J	93.8 UJ	1000 J	21100 J	2180 J	5070 J	36800 J	90.7 UJ	97.1 UJ
13B-0515-C1AS	0 - 0.5 ft	2920	19.9 U	272	5460	554	1150	10200	18.5 U	18.9 U
13B-0515-C1BS	0.5 - 1.71 ft	19.2 J	4.2 U	4.27 U	37 J	3.93 U	66.7 UJ	69.8 EMPC-J	3.91 U	3.99 U
13B-0515-C2CS	1.5 - 2.19 ft	11.9 EMPC-J	4.18 U	4.25 U	29.5 J	3.92 U	51.7 UJ	55.3	3.9 U	3.98 U
13B-0516-C2AS	0 - 0.5 ft	10400 J	15.2 UJ	1000 J	18600 J	1990 J	6000 J	34900 J	13.8 UJ	14.3 UJ
13B-0516-C2BS	0.5 - 1.5 ft	18300 J	218 UJ	1870 J	37400 J	3860 J	16000 J	68400 J	196 UJ	205 UJ
13B-0516-C2CS	1.5 - 2.5 ft	36800 J	572 UJ	3930 J	83100 J	9830 J	157000 J	149000 J	516 UJ	538 UJ
13B-0516-C2LS	10.4 - 11.4 ft	33500	88.7 U	3580	80700	9480	14900	152000	156	83.5 U
13B-0517-G2AS	0 - 0.5 ft	404	11.4 U	34.2 EMPC-J	851	73.2	278	1620	10.7 U	11.5 U
13B-0518-G1AS	0 - 0.5 ft	2350	22.1 U	212	4210	427	1270 J	8540	19.6 U	21.3 U
13B-0518-G1AT	0 - 0.5 ft	3030	7.05 U	261	5340	516	1570 J	10800	6.25 U	6.8 U
13B-0519-C2AS	0 - 0.5 ft	10000 J	72.1 UJ	838 J	16400 J	1650 J	5130 J	29400 J	67.3 UJ	72.6 UJ
13B-0519-C2BS	0.5 - 1.5 ft	7490	69.3 U	708	13500	1370	5800	25300	64.7 U	69.8 U
13B-0519-C2CS	1.5 - 2.5 ft	110000 J	10.8 UJ	9740 J	211000 J	19400 J	87600 J	349000 J	10.1 UJ	10.9 UJ
13B-0519-C2RS	16.1 - 17.1 ft	86.7	8.52 U	9.18 U	98.3 J	8.2 U	90.5 U	133 EMPC-J	7.95 U	8.57 U
13B-0520-G1AS	0 - 0.5 ft	9130 J	18.6 J	831 J	17300 J	1630 J	5990 J	27700 J	19.8 EMPC-J	63.5 J
13B-0521-C2AS	0 - 0.5 ft	1380	16 U	114	2230	209	58300	3860	14.6 U	15.8 U
13B-0521-C2BS	0.5 - 1.5 ft	701	9.89 U	54.6 J	1130	111 EMPC-J	688	2210	9.01 U	9.75 U
13B-0521-C2CS	1.5 - 2.5 ft	1930	18.3 U	135 EMPC-J	2890	289	869	5200	16.7 U	18 U
13B-0521-C2HS	6.5 - 7.63 ft	277000 J	120 UJ	23700 J	491000 J	43600 J	118000 J	790000 J	322 J	118 UJ
13B-0522-G1AS	0 - 0.5 ft	12600 J	19.7 J	1160 J	24000 J	2350 J	7200 J	37800 J	32.1 J	79.9 J
13B-0522-G1AT	0 - 0.5 ft	12200 J	10.1 UJ	1150 J	22800 J	2350 J	6960 J	36100 J	30.5 J	85.8 J
13B-0523-G2AS	0 - 0.5 ft	15000 J	128 UJ	1210 J	24800 J	2400 J	7060 J	46700 J	115 UJ	125 UJ
13B-0524-C1AS	0 - 0.5 ft	11200 J	10.5 UJ	996 J	21800 J	1900 J	5320 J	40000 J	9.8 UJ	10 UJ
13B-0524-C1BS	0.5 - 1.5 ft	13600	13.4 U	1270	28000	2450	8140	50900	12.6 U	12.8 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0524-C1CS	1.5 - 2.5 ft	18400	11.6 U	1780	38300	3270	14100	73900	10.8 U	11.1 U
13B-0524-C1GS	5.39 - 6.39 ft	43600	186 U	4070	93300	9610	210000 J	177000	174 U	178 U
13B-0525-C1AS	0 - 0.5 ft	13400 J	24.2 EMPC-J	1190 J	23800 J	2260 J	7040 J	42800 J	32 J	43 J
13B-0525-C1BS	0.5 - 1.5 ft	16100 J	11.1 UJ	1460 J	30200 J	2690 J	10500 J	53100 J	34.6 EMPC-J	62.3 J
13B-0525-C1CS	1.5 - 2.5 ft	22200 J	32.9 EMPC-J	1850 J	37600 J	3930 J	14900 J	71300 J	56.6 EMPC-J	96.4 EMPC-J
13B-0525-C1HS	6.42 - 7.42 ft	40400	60 EMPC-J	3600	69500	6860	50700	121000	79.2	185
13B-0526-C1AS	0 - 0.5 ft	109000 J	217 J	9750 J	218000 J	17700 J	34000 J	332000 J	17.6 UJ	661 J
13B-0526-C1BS	0.5 - 1.5 ft	289000 J	455 J	25800 J	583000 J	44800 J	87500 J	850000 J	17.7 UJ	1920 J
13B-0526-C1CS	1.5 - 2.5 ft	237000 J	860 J	21800 J	491000 J	41800 J	123000 J	727000 J	342 J	1880 J
13B-0526-C1CT	1.5 - 2.5 ft	247000 J	588 J	22900 J	512000 J	43000 J	117000 J	750000 J	272 J	1300 J
13B-0526-C1HS	6.5 - 7.62 ft	10100	26.1 U	1200	27700	3290	4610 J	56500	23.9 U	49.8
13B-0527-C2AS	0 - 0.5 ft	934	10.5 U	71.9 EMPC-J	1580	172	605	2670	9.43 U	10.2 U
13B-0527-C2BS	0.5 - 1.5 ft	26.3 J	4.51 U	4.47 U	42.7 J	4.32 U	26.2 UJ	63.7	4.05 U	4.38 U
13B-0527-C2CS	1.5 - 2.6 ft	4.49 U	4.33 U	4.29 U	4.67 U	4.15 U	23.5 UJ	13.5 J	3.89 U	4.21 U
13B-0528-C3AS	0 - 0.5 ft	28500 J	57.4 J	2610 J	53000 J	4740 J	11600 J	94300 J	4.79 UJ	5.21 UJ
13B-0528-C3BS	0.5 - 1.5 ft	290000 J	66.8 UJ	26800 J	572000 J	47100 J	122000 J	925000 J	376 J	64.3 UJ
13B-0528-C3CS	1.5 - 2.5 ft	65600 J	20.5 UJ	6560 J	125000 J	11700 J	130000 J	224000 J	18.2 UJ	19.7 UJ
13B-0528-C3LS	10.5 - 11.54 ft	199	19.4 U	19.1 U	393	44.5 J	170 J	871	17.2 U	18.7 U
13B-0529-C2AS	0 - 0.5 ft	2200	6.64 U	201	4660	402	2290 J	7600	6.27 U	16.9
13B-0529-C2BS	0.5 - 1.5 ft	279	5.51 U	26.7	529	55.2	187 J	933	5.21 U	5.23 U
13B-0529-C2CS	1.5 - 2.5 ft	58	5.82 U	10.2 EMPC-J	161	20.6	61.3 UJ	299	5.5 U	5.52 U
13B-0529-C2ES	3.5 - 4.2 ft	5.51 U	5.1 U	5.12 U	5.84 U	5.06 U	25.6 UJ	11.7	4.82 U	4.84 U
13B-0530-C1AS	0 - 0.5 ft	1920	22.1 U	174	3220	343	955	5630	20.1 U	20.7 U
13B-0530-C1BS	0.5 - 1.5 ft	16400	170 U	1430	29700	3020	32500	53700	154 U	159 U
13B-0530-C1CS	1.5 - 1.8 ft	2470	50 U	250	4990	551	16800	9490	45.4 U	46.9 U
13B-0531-C2AS	0 - 0.5 ft	877	12.5 U	80.9 J	1600	153	675	3130	11.4 U	12.3 U
13B-0531-C2AT	0 - 0.5 ft	1400	6.71 U	122	2080	228	666 J	4200	6.16 U	6.61 U
13B-0531-C2BS	0.5 - 1.5 ft	2030 J	6.7 U	201	5490 J	420	563	11100 J	6.16 U	6.6 U
13B-0531-C2CS	1.5 - 2.5 ft	39.4 J	5.66 U	5.46 U	61.5 J	11.2 EMPC-J	35.3 U	137	4.91 U	5.12 U
13B-0531-C2ES	3.5 - 4.42 ft	4.1 U	3.95 U	3.81 U	4.07 U	3.61 U	63.2 U	10.4 U	3.43 U	3.57 U
13B-0532-C1AS	0 - 0.5 ft	1530	6.1 U	138	2810	277	1530 J	5380	5.63 U	5.95 U
13B-0532-C1BS	0.5 - 1.5 ft	369	11.8 U	35.8 EMPC-J	760	83.6	280 J	1510	10.9 U	11.5 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0532-C1CS	1.5 - 2.5 ft	58.5	6.75 U	6.89 U	99.7 J	6.51 U	36.3 UJ	209	6.23 U	6.58 U
13B-0532-C1DS	2.5 - 3.73 ft	5.55 U	5.18 U	5.29 U	5.85 U	5 U	27.2 UJ	11.9 EMPC-J	4.79 U	5.06 U
13B-0533-C2AS	0 - 0.5 ft	25100 J	108 UJ	2090 J	43200 J	3920 J	9890 J	67300 J	109 UJ	117 UJ
13B-0533-C2AT	0 - 0.5 ft	21200 J	119 UJ	1790 J	35900 J	3440 J	9100 J	47900 J	110 UJ	118 UJ
13B-0533-C2BS	0.5 - 1.5 ft	229000 J	327 UJ	19900 J	431000 J	39500 J	80500 J	546000 J	303 UJ	324 UJ
13B-0533-C2CS	1.5 - 2.5 ft	50700 J	15.3 UJ	4690 J	100000 J	10000 J	58300 J	157000 J	106 J	15.1 UJ
13B-0533-C2JS	8.5 - 9.62 ft	4110	17.2 U	391	7160	673	171 J	10600	23.4 J	17 U
13B-0533-C2JT	8.5 - 9.62 ft	3800	17.9 U	365	6360	604	155 J	9410	16.5 U	17.7 U
13B-0534-C2AS	0 - 0.5 ft	135000 J	303 J	11800 J	249000 J	20500 J	98700 J	318000 J	94.7 UJ	906 J
13B-0534-C2AT	0 - 0.5 ft	128000 J	17.7 UJ	11100 J	235000 J	19000 J	94100 J	304000 J	16.1 UJ	980 J
13B-0534-C2BS	0.5 - 1.5 ft	52700	66.9	4580	98900	9710	37900 J	149000	90	409
13B-0534-C2CS	1.5 - 2.5 ft	10900	18.2 U	886	17700	1690	10800 J	28300	25.6 J	17.1 U
13B-0534-C2IS	7.5 - 8.59 ft	1190	13.5 U	122	2140	209	97 UJ	3440	12.2 U	12.7 U
13B-0535-C2AS	0 - 0.5 ft	15400 J	120 UJ	1260 J	28100 J	2460 J	7510 J	49700 J	109 UJ	111 UJ
13B-0535-C2BS	0.5 - 1.5 ft	322	12.4 U	27.5 EMPC-J	545	58.9	125 UJ	1090	11.2 U	11.5 U
13B-0535-C2CS	1.5 - 2.45 ft	27.6 J	11.1 U	11.2 U	47.6 J	10.6 U	28.4 UJ	99	10.3 U	11.1 U
13B-0536-C1AS	0 - 0.5 ft	7550 J	67.4 UJ	717 J	13500 J	1530 J	4200 J	26400 J	63.9 UJ	69.8 UJ
13B-0536-C1BS	0.5 - 1.5 ft	216	2.32 U	20.9 J	366	37.5 J	40.8 U	737	2.21 U	2.41 U
13B-0536-C1CS	1.5 - 2.5 ft	73.2 EMPC-J	2.98 U	8.06 J	142 J	11.9 J	128	233	2.83 U	3.09 U
13B-0536-C1FS	4.28 - 5.28 ft	12 J	3.01 U	3.07 U	18.9 J	3.06 U	114	32.4 J	2.86 U	3.12 U
13B-0537-C3AS	0 - 0.5 ft	3100	26.6 U	283	5730	547	1750	10500	24.7 U	27.4 U
13B-0538-C3AS	0 - 0.5 ft	298000 J	724 J	27000 J	559000 J	41900 J	443000 J	803000 J	255 J	1380 J
13B-0538-C3BS	0.5 - 1.5 ft	297000 J	630 J	25900 J	539000 J	38700 J	196000 J	756000 J	243 J	1810 J
13B-0538-C3CS	1.5 - 2.5 ft	214000 J	463 J	19200 J	399000 J	29100 J	150000 J	572000 J	187 J	1050 J
13B-0538-C3ES	3.5 - 4.8 ft	35.4 J	7.1 U	7.08 U	48.8 J	6.49 U	44.5 UJ	67.8	6.42 U	6.91 U
13B-0539-C3AS	0 - 0.5 ft	26500 J	8 UJ	2620 J	58300 J	6220 J	12000	119000 J	7.05 UJ	7.5 UJ
13B-0539-C3AT	0 - 0.5 ft	35900	85.9 U	3570	79100	8630	17400	166000	75.7 U	80.5 U
13B-0539-C3BS	0.5 - 1.5 ft	15200	30.6 U	1350	26300	2560	21500	53500	27 U	28.7 U
13B-0539-C3CS	1.5 - 2.5 ft	5140 EMPC-J	43.2 U	405	6600	775	4730	14400	38.1 U	40.5 U
13B-0539-C3HS	6.5 - 7.59 ft	7.81 J	5.42 U	5.3 U	5.65 U	4.95 U	17.2 J	9.84 EMPC-J	4.78 U	5.08 U
13B-0540-C4AS	0 - 0.5 ft	14200 J	18.2 EMPC-J	1240 J	23800 J	2350 J	5710 J	39500 J	32.7 J	74.5 J
13B-0540-C4BS	0.5 - 1.5 ft	25600 J	60 J	2450 J	53600 J	5500 J	17300 J	104000 J	75.4 J	178 J

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Analytic Method		**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
Analyte		**PCB-105**	**PCB-106**	**PCB-107**	**PCB-108**	**PCB-109**	**PCB-11**	**PCB-110**	**PCB-111**	**PCB-112**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**3.05**	**11.3**	**8.06**	**10.7**	**8.38**	**17.2**	**9.84**	**17.9**	**11.9**
Maximum Detect		**298000**	**860**	**27000**	**590000**	**49800**	**443000**	**925000**	**401**	**1920**
Mean of Detects		**31100**	**222**	**3300**	**62300**	**6060**	**26100**	**96000**	**126**	**444**
St. Dev. of Detects		**62500**	**234**	**5980**	**124000**	**10600**	**49500**	**185000**	**117**	**518**
CV of Detects		**2.01**	**1.05**	**1.81**	**1.99**	**1.75**	**1.90**	**1.93**	**0.928**	**1.17**
% Detected		**89.9**	**14.7**	**77.3**	**88.7**	**80.7**	**77.3**	**92.9**	**19.7**	**23.1**
Sample ID	**Depth Interval**									
13B-0540-C4CS	1.5 - 2.5 ft	188000 J	354 J	17700 J	393000 J	33800 J	106000 J	660000 J	297 J	1030 J
13B-0540-C4LS	10.3 - 11.25 ft	13.4 EMPC-J	7.45 U	7.29 U	21.2 J	6.95 U	27.4 UJ	28.5 EMPC-J	6.64 U	7.15 U
13B-0541-C1AS	0 - 0.5 ft	21500 J	38.5 UJ	1850 J	41900 J	3930 J	20300 J	73500 J	34.8 UJ	35.7 UJ
13B-0541-C1BS	0.5 - 1.5 ft	20600	33.1 U	1810	41800	3840	41900	75200	30 U	30.8 U
13B-0541-C1CS	1.5 - 2.5 ft	4360	16.3 U	398	10200	1160	1450	22900	14.1 U	27.7 EMPC-J
13B-0541-C1FS	4.5 - 5.67 ft	9.22 U	8.42 U	8.09 U	9.01 U	7.45 U	46 UJ	30.4 J	7.62 U	7.82 U
13B-0542-C2AS	0 - 0.5 ft	367	10.9 U	42.4 J	724	72.1	357	1290	10.1 U	10.9 U
13B-0542-C2BS	0.5 - 1.5 ft	6.56 U	5.74 U	5.79 U	6.46 U	5.47 U	83.1 U	18.8 EMPC-J	5.32 U	5.74 U
13B-0542-C2CS	1.5 - 2.5 ft	7.84 U	6.42 U	6.48 U	7.22 U	6.12 U	67.5 UJ	6.68 U	5.95 U	6.42 U
13B-0542-C2HS	6.5 - 7.55 ft	5.83 U	5.37 U	5.42 U	6.04 U	5.12 U	16.9 UJ	5.59 U	4.98 U	5.37 U
13B-0543-G1AS	0 - 0.5 ft	8620 J	45.9 UJ	802 J	15500 J	1650 J	4790 J	31100 J	43.6 UJ	75.9 J
13B-0544-C2AS	0 - 0.5 ft	8380 J	51.4 UJ	698 J	13900 J	1350 J	4410 J	24700 J	47.7 UJ	53 UJ
13B-0544-C2BS	0.5 - 1.5 ft	12200	43.6 U	1160	23300	2160	5990	41700	40.5 U	45 U
13B-0544-C2CS	1.5 - 2.5 ft	17300	9.75 U	1470	29300	2850	10200	53100	9.04 U	10.1 U
13B-0544-C2ES	3 - 3.97 ft	4500	7.36 U	446	9720	1050	5420	18200	6.82 U	7.59 U
13B-0546-G2AS	0 - 0.5 ft	738	15.5 U	63.9 J	1920	130	1600 J	2850	13.8 U	14 U
13B-0547-C2AS	0 - 0.5 ft	165000 J	117 UJ	15000 J	330000 J	29700 J	66900 J	554000 J	336 J	101 UJ
13B-0547-C2BS	0.5 - 1.5 ft	49100 J	68 UJ	4750 J	103000 J	10900 J	40800 J	198000 J	144 J	58.7 UJ
13B-0547-C2CS	1.5 - 2.05 ft	926	30 U	90.6	1690	182	643 J	3330	25.8 U	25.9 U
13B-0547-C2HS	6.5 - 7.15 ft	4.35 U	5.09 U	5.02 U	5.65 U	5.06 U	84.7 UJ	15.3 J	4.64 U	4.78 U
13B-0548-C1AS	0 - 0.5 ft	6070	41.7 U	496	10500	933	3990	20300	36.8 U	36.8 U
13B-0548-C1BS	0.5 - 1.5 ft	7630	44.4 U	656	13300	1110	2600	25800	39.2 U	39.2 U
13B-0548-C1BT	0.5 - 1.5 ft	5660	46.1 U	558	10700	1050	2850	20400	39.4 U	41 U
13B-0548-C1CS	1.5 - 2.5 ft	8010	117 U	874	19400	2060	10400	36500	100 U	104 U
13B-0548-C1IS	7.5 - 8.79 ft	8.07 U	8.77 U	8.55 U	9.05 U	8.05 U	22.3 UJ	8.49 U	7.49 U	7.8 U
13B-0549-C3AS	0 - 0.5 ft	6180	54.6 U	513	10600	962	3240	20900	48.2 U	48.3 U
13B-0549-C3BS	0.5 - 1.5 ft	18.2 EMPC-J	7.55 U	7.3 U	19.7 J	6.48 U	168 U	26.5 J	6.67 U	6.67 U
13B-0549-C3CS	1.5 - 2.65 ft	7.31 U	6.53 U	6.31 U	6.99 U	5.6 U	58.1 UJ	6.59 U	5.76 U	5.76 U
13B-0550-C3AS	0 - 0.5 ft	7330 J	47.8 UJ	665 J	14100 J	1260 J	2890 J	23300 J	48.2 UJ	51.8 UJ
13B-0550-C3BS	0.5 - 1.5 ft	1750	7.79 U	164	3510	356	1090 J	6420	7.84 U	8.44 U
13B-0550-C3CS	1.5 - 2.5 ft	5.54 J	2.41 U	2.52 U	10.7 J	2.46 U	21.1 UJ	13.9 U	2.42 U	2.61 U
13B-0550-C3FS	4.5 - 5.37 ft	3.05 EMPC-J	2.02 U	2.12 U	2.5 U	2.07 U	17.7 UJ	8.16 U	2.03 U	2.19 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0551-C2AS	0 - 0.5 ft	6790	27.5 U	578	12700	1230	2510 J	22200	24.5 U	24.8 U
13B-0551-C2BS	0.5 - 0.88 ft	4460	12.7 U	418	9870	1010	1360 J	17900	11.3 U	11.4 U
13B-0552-C3AS	0 - 0.5 ft	15200 J	83.1 UJ	1290 J	26100 J	2650 J	8440 J	48900 J	71.7 UJ	80.2 UJ
13B-0552-C3BS	0.5 - 1.5 ft	23200	293 U	2360	50700	5100	28000	94200	253 U	283 U
13B-0552-C3CS	1.5 - 2.38 ft	138000 J	260 EMPC-J	11000 J	233000 J	22300 J	76900 J	405000 J	113 UJ	525 J
13B-0552-C3CT	1.5 - 2.38 ft	118000	169	9910	214000	20100	42100 J	353000 J	167	844
13B-0553-C2AS	0 - 0.5 ft	5770	17.4 U	581	11200	926	1580 J	19300	15.7 U	27.5 J
13B-0553-C2BS	0.5 - 1.5 ft	113	7.7 U	7.53 U	187 J	16.9 EMPC-J	56.4 UJ	303	6.86 U	7.38 U
13B-0553-C2CS	1.5 - 2.5 ft	32.9 EMPC-J	11.8 U	12 U	40.2 EMPC-J	11.2 U	134 UJ	40.4 J	11.1 U	11.5 U
13B-0553-C2DS	2.5 - 3.5 ft	51 EMPC-J	18.7 U	19 U	21.6 U	17.9 U	394 J	21.7 U	17.6 U	18.2 U
13B-0554-C1AS	0 - 0.5 ft	3590	6.11 U	323	6280	619	1930	11700	5.64 U	5.79 U
13B-0554-C1BS	0.5 - 1.5 ft	12700	5.44 U	969	20400	1900	6090	35700	26.1	5.16 U
13B-0554-C1CS	1.5 - 2.5 ft	13200	35.8 EMPC-J	1180	27200	2500	24200	48500 J	35.7	68.9
13B-0554-C1ES	3.5 - 4.7 ft	8.13 U	7.07 U	7.1 U	7.78 U	6.64 U	56.1 UJ	29.9 U	6.53 U	6.71 U
13B-0555-C1AS	0 - 0.5 ft	206000 J	435 J	21300 J	476000 J	41600 J	119000 J	752000 J	401 J	1360 J
13B-0555-C1BS	0.5 - 1.22 ft	45900 J	98.9	4460	109000	11900	28800 J	204000	145	373
13B-0555-C2CS	1.5 - 2 ft	271000 J	649 J	26200 J	590000 J	49800 J	143000 J	911000 J	388 J	1300 J
13B-0555-C2DS	2 - 3 ft	86000 J	192 J	8400 J	192000 J	18300 J	47700 J	329000 J	170 J	557 J
13B-0556-C2AS	0 - 0.5 ft	8820 J	11.3 EMPC-J	805 J	17500 J	1480 J	4790 J	30100 J	19.4 J	50.6 EMPC-J
13B-0556-C2BS	0.5 - 1.5 ft	9690	11.7 EMPC-J	898	18700	1770	6330 J	34000	24.4	37 EMPC-J
13B-0556-C2CS	1.5 - 2.38 ft	5100	7.12 U	488	11100	965	10500 J	19200	17.9 EMPC-J	32.2
13B-0557-C2AS	0 - 0.5 ft	11300 J	82.7 UJ	1230 J	23000 J	2140 J	14900 J	42000 J	72.1 UJ	73.9 UJ
13B-0557-C2BS	0.5 - 1.5 ft	10900 J	58 UJ	1160 J	21100 J	1960 J	17700 J	39000 J	50.6 UJ	51.9 UJ
13B-0557-C2CS	1.5 - 2.5 ft	19600	3.75 U	2190	44900	4810	42600	82700	3.27 U	3.35 U
13B-0557-C2ES	3.5 - 4.5 ft	28000	115 U	2800	60300	5400	46000	109000	105 U	117 U
13B-0558-C2AS	0 - 0.5 ft	5320 J	11.8 EMPC-J	545 J	12000 J	1120 J	6450 J	20500 J	26.2 J	34.2 J
13B-0558-C2BS	0.5 - 1.5 ft	1900 J	7.97 U	200	4710	454	3350 J	8560	18.1 EMPC-J	11.9
13B-0558-C2CS	1.5 - 2.5 ft	122 J	6.53 U	6.76 U	267	45.9	108 UJ	515	6.19 U	6.66 U
13B-0558-C2FS	4.5 - 5.75 ft	10.2 EMPC-J	7.88 U	8.16 U	9.15 U	7.63 U	37.4 UJ	24.8	7.47 U	8.05 U
13B-0559-C3AS	0 - 0.5 ft	4030	11.6 U	364	6780	695	2780	12300	9.96 U	10.4 U
13B-0559-C3BS	0.5 - 1.5 ft	9370 J	10.4 UJ	973 J	18300 J	1740 J	11600 J	33800 J	8.94 UJ	57.1 J
13B-0559-C3CS	1.5 - 2.5 ft	18200	20.9 U	1760	34900	3540	85100 J	59900 J	41.6	132

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0559-C3GS	5.5 - 6 ft	32800	83.5	3470	72800	7190	46400 J	121000 J	97.5	156 EMPC-J
13B-0560-C1AS	0 - 0.5 ft	2530	34.1 U	225	4280	423	2180 J	8700	31.6 U	32.8 U
13B-0560-C1BS	0.5 - 1.5 ft	8110	79.7 U	723	13700	1360	7810	26300	73.8 U	76.6 U
13B-0560-C1CS	1.5 - 2.5 ft	15700 J	120 UJ	1580 J	29500 J	2600 J	16500 J	56000 J	111 UJ	115 UJ
13B-0560-C1GS	5.14 - 5.86 ft	34.1 EMPC-J	13.3 U	13.9 U	46 EMPC-J	12.8 U	119 U	85.2 EMPC-J	12.3 U	12.8 U
13B-0561-C1AS	0 - 0.5 ft	55600 J	180 U	5510	137000	14900	20400 J	261000 J	162 U	477
13B-0561-C1BS	0.5 - 1.5 ft	26600	76.6 U	2600	64600	6940	9880 J	126000	69 U	192
13B-0561-C1CS	1.5 - 2.5 ft	32400 J	72.4 U	2050 J	60400 J	5710 J	7300 J	125000 J	65.2 U	749 J
13B-0561-C1GS	5.5 - 6.5 ft	14.4 U	14.8 U	14.6 U	16.1 U	13.6 U	31.7 UJ	15.1 U	13.4 U	14.5 U
13B-0562-G2AS	0 - 0.5 ft	4370	28.4 U	441	8410	821	1810	15800	26.6 U	27.6 U
13B-0563-C2AS	0 - 0.5 ft	678	11.8 U	60.3 J	1290	110	602 J	2240	10.5 U	10.6 U

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PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0563-C2AT	0 - 0.5 ft	968	19.5 U	85.2	2020	159	412 J	3730	17.4 U	17.6 U
13B-0563-C2BS	0.5 - 1.1 ft	364	10.9 U	26.6 J	697	62.6	198 J	1210	9.73 U	9.83 U
13B-0563-C2CS	1.1 - 2.5 ft	186000 J	456 UJ	16300 J	402000 J	30900 J	81000 J	595000 J	406 UJ	411 UJ
13B-0563-C2IS	7.5 - 8.28 ft	2530	16.1 U	219	5040	541	1300 J	10700	14.8 U	15.4 U
13B-0564-G2AS	0 - 0.5 ft	23600 J	96.6 UJ	1880 J	36600 J	3710 J	11900 J	67800 J	88.5 UJ	92.1 UJ
13B-0565-G1AS	0 - 0.5 ft	2970	44.3 U	249	5010	503	1210	9920	41.5 U	43 U
13B-0566-G3AS	0 - 0.5 ft	3170	22 U	311	5240	702	830	9880	20.6 U	21.3 U
13B-0567-G2AS	0 - 0.5 ft	12400 J	19.8 EMPC-J	1180 J	23600 J	2330 J	6930 J	38200 J	27 EMPC-J	69.5 J
13B-0568-G2AS	0 - 0.5 ft	42700 J	82.6 UJ	4470 J	101000 J	10900 J	13100 J	196000 J	77.4 UJ	80.2 UJ
13B-0570-G3AS	0 - 0.5 ft	12200 J	42.1 UJ	1030 J	21000 J	1840 J	5430 J	34000 J	38 UJ	40.5 UJ
13B-0571-C3AS	0 - 0.5 ft	3630	20.6 U	315	6560	563	2440	11900	18.6 U	19.8 U
13B-0571-C3BS	0.5 - 1.5 ft	1680	14.8 U	144	3350	258	2810	7380	13.4 U	14.3 U
13B-0571-C3CS	1.5 - 2.5 ft	77.6	2.4 U	10.2 J	119 J	10.9 EMPC-J	1300	366	2.17 U	2.31 U
13B-0571-C3MS	11 - 12 ft	2.1 U	1.77 U	1.77 U	1.91 U	1.62 U	42.6 U	6.5 U	1.6 U	1.7 U
13B-0572-C1AS	0 - 0.5 ft	406 EMPC-J	15.2 U	39 J	661	67 EMPC-J	316 J	1250	14.4 U	14.9 U
13B-0572-C1BS	0.5 - 1.5 ft	25.7 U	23.3 U	24.1 U	52.6 J	21.8 U	395 J	110	22 U	22.9 U
13B-0572-C1CS	1.5 - 2.27 ft	15.3 U	14.1 U	14.6 U	16.1 U	13.2 U	69.5 UJ	13.8 U	13.3 U	13.9 U
13B-0573-C2AS	0 - 0.5 ft	3500	66.3 U	301	6780	559	3650 J	11800	62.5 U	64.9 U
13B-0573-C2BS	0.5 - 1.5 ft	1610	24.2 U	130	2580	246	1820 J	4630	22.8 U	23.7 U
13B-0573-C2CS	1.5 - 2.5 ft	10700 J	34.9 U	1100	22700	2190	10100 J	38200	32.9 U	58.2
13B-0573-C2DS	2.5 - 3.75 ft	57.6 EMPC-J	15.3 U	15 U	134 J	14 U	142 UJ	257	13.7 U	14.9 U
13B-0574-C2AS	0 - 0.5 ft	22100	4.1 U	2040	43200	3840	10700	78100	3.74 U	4.15 U
13B-0574-C2BS	0.5 - 1.5 ft	19900 J	2.98 U	1810	39600	3440	8650 J	72900	2.72 U	3.02 U
13B-0574-C2CS	1.5 - 2.5 ft	36000	4.81 U	3620	76600	7460	14900	138000	4.4 U	4.88 U
13B-0574-C2HS	6.4 - 7.4 ft	38400	4.53 U	3670	79400	7670	17000	139000	49.7 J	4.59 U
13B-0575-C4AS	0 - 0.5 ft	135000 J	302 J	10700 J	235000 J	20400 J	88500 J	387000 J	110 UJ	532 J
13B-0575-C4BS	0.5 - 1.5 ft	58900	114	5090	115000	10400	46400	196000 J	44.5 U	329
13B-0575-C4CS	1.5 - 2.5 ft	33.7 U	11.7 U	11.7 U	72 J	11.3 U	519	117	11 U	11.4 U
13B-0575-C4FS	4.3 - 5.44 ft	14.5 U	6.35 U	6.32 U	7.04 U	6.1 U	28.2 UJ	20 U	5.98 U	6.21 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-105	PCB-106	PCB-107	PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.05	11.3	8.06	10.7	8.38	17.2	9.84	17.9	11.9
	Maximum Detect	298000	860	27000	590000	49800	443000	925000	401	1920
	Mean of Detects	31100	222	3300	62300	6060	26100	96000	126	444
	St. Dev. of Detects	62500	234	5980	124000	10600	49500	185000	117	518
	CV of Detects	2.01	1.05	1.81	1.99	1.75	1.90	1.93	0.928	1.17
	% Detected	89.9	14.7	77.3	88.7	80.7	77.3	92.9	19.7	23.1
Sample ID	Depth Interval									
13B-0577-G1AS	0 - 0.5 ft	4220 J	27.7 UJ	345 J	6940 J	680 J	2350 J	14200 J	26.1 UJ	27.1 UJ
13B-0578-C5AS	0 - 0.5 ft	933	7.01 U	73.6 J	1450	143	402	2710	6.27 U	6.37 U
13B-0578-C5BS	0.5 - 1.5 ft	1340	9.34 U	109	2610	269	394	4910	8.36 U	8.49 U
13B-0578-C5CS	1.5 - 2.5 ft	187	17.5 U	17.3 U	293 EMPC-J	44.6 J	88.5 U	616	15.8 U	17.1 U
13B-0578-C5CT	1.5 - 2.5 ft	197	6.9 U	20.6 EMPC-J	357	50.7	62 U	741	6.23 U	6.75 U
13B-0578-C5GS	5.25 - 6.25 ft	36.1 J	5.4 U	5.34 U	43 J	4.84 U	23.2 UJ	84.9	4.87 U	5.28 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	7830	113	53.7 U	909	345	5380	5440	296 J
13B-0501-C1BS	0.5 - 1.5 ft	6570	110	25.9 U	911	259	5100	4190	435 J
13B-0501-C1CS	1.5 - 2.5 ft	32000	545	67.6 U	3390	1160	23700	19300	817 J
13B-0501-C1DS	2.5 - 3.07 ft	4810	55.2	7.48 U	504	121	2760	2750	49 J
13B-0502-C2AS	0 - 0.5 ft	6150	126	129	973	135 EMPC-J	4760	3920	343 J
13B-0502-C2BS	0.5 - 1.5 ft	47400	711	530	6250	1340	30600	28100	3350
13B-0502-C2CS	1.5 - 2.45 ft	224000 J	3980	2960	30100	5900	164000 J	134000	11800
13B-0503-C1AS	0 - 0.5 ft	1670	46.6	32.3	281	23.7 EMPC-J	1400	1040	58.5 J
13B-0503-C1BS	0.5 - 1.5 ft	13.5 U	13.5 U	11.8 U	13.4 U	11.7 U	11.1 U	13.2 U	11.1 U
13B-0503-C1CS	1.5 - 2.5 ft	15.5 U	14.9 U	13.5 U	15.3 U	13.4 U	12.7 U	15.1 U	17.6 U
13B-0503-C1DS	2.5 - 2.5 ft	14.5 U	14.5 U	12.7 U	14.3 U	12.5 U	12.6 U	14.1 U	18.6 U
13B-0504-C4AS	0 - 0.5 ft	183000 J	2960 J	6540 J	23400 J	3870 J	158000 J	107000 J	1570 J
13B-0504-C4BS	0.5 - 1.5 ft	170000 J	3050 J	11500 J	20200 J	4810 J	155000 J	102000 J	1660 J
13B-0504-C4CS	1.5 - 2.5 ft	62300	1090	1190	7450	1450	57800	37300	1060 J
13B-0504-C4KS	9.5 - 10.25 ft	507	17.4 J	29.3 J	87.7	14.3 J	607	317	24.5 J
13B-0505-C1AS	0 - 0.5 ft	30900 J	644 J	107 UJ	5160 J	752 J	29200 J	19200 J	2470 J
13B-0505-C1BS	0.5 - 1.5 ft	9610	187	66 U	1370	225	7970	5630	1560
13B-0505-C1CS	1.5 - 2.5 ft	97400	1820	348 U	14800	2050	79300	57400	11600
13B-0505-C1FS	4.5 - 5.2 ft	94 J	22.4 U	18.2 U	21.4 U	19.7 U	74.6	21.3 U	28.9 U
13B-0506-C2AS	0 - 0.5 ft	30600	753	40.3 U	4410	845	30000	19800	502
13B-0506-C2BS	0.5 - 1.5 ft	1490	28.9 J	8.67 U	194	39.6 J	1310	810	52.3 J
13B-0506-C2CS	1.5 - 2.5 ft	120 J	3.61 U	2.78 U	15.7 J	3.01 U	110	71.3 J	13.7 U
13B-0507-C2AS	0 - 0.5 ft	304	6.74 U	6.16 U	46.9 J	7.2 U	291	190 J	13.2 J
13B-0507-C2BS	0.5 - 1.5 ft	12.4 J	3.88 U	3.04 U	3.1 U	3.56 U	16.9 J	3.37 U	4.42 UJ
13B-0507-C2CS	1.5 - 2.5 ft	2.97 U	3.46 U	2.62 U	2.68 U	3.06 U	3.09 U	2.9 U	2.17 UJ
13B-0507-C2DS	2.5 - 3.5 ft	6.11 U	6.43 U	5.4 U	5.5 U	6.3 U	5.65 U	5.97 U	3.09 UJ
13B-0508-G3AS	0 - 0.5 ft	508	12.6 UJ	12.6 U	82.8	14.3 U	378	328	18 UJ
13B-0509-C1AS	0 - 0.5 ft	221000 J	4960	3530	35500	6390	187000 J	152000	26200
13B-0509-C1BS	0.5 - 1.5 ft	8010	183 EMPC-J	122	1260	251	6770	5290	372
13B-0509-C1CS	1.5 - 2.5 ft	160	12.2 U	11.3 U	27.9	13.4 U	133	105	62.5 J
13B-0509-C1ES	3.17 - 4.17 ft	53.7	14.4 U	11.5 U	13.7 U	13.6 U	39.4 EMPC-J	28.2 EMPC-J	38.5 J
13B-0510-C3AS	0 - 0.5 ft	72600	1500	44 U	10600	1900	63000	48700	716 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	3530	69.6	50.5	528	94.8	3110	2290	51.2 J
13B-0511-C3AS	0 - 0.5 ft	37400 J	817 J	613 J	6300 J	1100 J	32200 J	22800 J	2030 J
13B-0511-C3BS	0.5 - 1.5 ft	34800	720	901	5850	1010	29100	20900	2000 J
13B-0511-C3CS	1.5 - 2.5 ft	123000	2730	1950	22500	2390	93300	77300	4820 J
13B-0511-C3HS	5.95 - 6.95 ft	58400	1160	951	9540	1320	51300	33100	1730 J
13B-0512-G1AS	0 - 0.5 ft	26300 J	523 J	101 UJ	3650 J	824 J	21100 J	16600 J	1360 J
13B-0513-G1AS	0 - 0.5 ft	183000 J	4910 J	6430 J	36100 J	4910 J	166000 J	138000 J	6010 J
13B-0514-G1AS	0 - 0.5 ft	34000 J	641 J	98.4 UJ	4930 J	945 J	27500 J	21100 J	1880 J
13B-0515-C1AS	0 - 0.5 ft	8620	181	18.3 U	1310	239	7680	5460	262
13B-0515-C1BS	0.5 - 1.71 ft	51.4 EMPC-J	4.61 U	3.87 U	4.69 U	4.36 U	59.7	37 J	8.86 U
13B-0515-C2CS	1.5 - 2.19 ft	45.4 J	4.83 U	3.86 U	4.68 U	4.34 U	43.4 J	29.5 J	9.52 U
13B-0516-C2AS	0 - 0.5 ft	30200 J	633 J	351 J	4680 J	699 J	25500 J	18600 J	1440 J
13B-0516-C2BS	0.5 - 1.5 ft	67400 J	1070 J	785 J	8760 J	1590 J	46200 J	37400 J	5440 J
13B-0516-C2CS	1.5 - 2.5 ft	144000 J	2570 J	2190 J	21400 J	3500 J	109000 J	83100 J	26500 J
13B-0516-C2LS	10.4 - 11.4 ft	142000	2170	1270	17500	4180	109000	80700	4710
13B-0517-G2AS	0 - 0.5 ft	1280	21.5 J	11.5 U	266	11.3 U	858	851	39.8 J
13B-0518-G1AS	0 - 0.5 ft	6380	142	22.3 U	1030	192	5590	4210	230 J
13B-0518-G1AT	0 - 0.5 ft	8010	169	7.09 U	1250	282	6940	5340	350 J
13B-0519-C2AS	0 - 0.5 ft	26200 J	542 J	72.4 UJ	3970 J	581 J	21900 J	16400 J	1100 J
13B-0519-C2BS	0.5 - 1.5 ft	22800	431	69.6 U	3100	436	18000	13500	1800
13B-0519-C2CS	1.5 - 2.5 ft	301000 J	6730 J	10.8 UJ	52300 J	7220 J	249000 J	211000 J	15800 J
13B-0519-C2RS	16.1 - 17.1 ft	107 J	9.6 U	8.55 U	24.1 J	8.46 U	139	98.3 J	10.9 U
13B-0520-G1AS	0 - 0.5 ft	26700 J	478 J	463 J	4110 J	775 J	21400 J	17300 J	1070 J
13B-0521-C2AS	0 - 0.5 ft	3350	84.9	15.9 U	611	100	3080	2230	201
13B-0521-C2BS	0.5 - 1.5 ft	1840	38.9 J	9.78 U	310	51.4 EMPC-J	1690	1130	98.5
13B-0521-C2CS	1.5 - 2.5 ft	4670	107	18.1 U	808	71.8 EMPC-J	4170	2890	167
13B-0521-C2HS	6.5 - 7.63 ft	665000 J	17300 J	118 UJ	141000 J	11800 J	639000 J	491000 J	13100 J
13B-0522-G1AS	0 - 0.5 ft	38300 J	681 J	719 J	5720 J	1070 J	30100 J	24000 J	1820 J
13B-0522-G1AT	0 - 0.5 ft	35800 J	655 J	317 J	5420 J	979 J	29100 J	22800 J	1920 J
13B-0523-G2AS	0 - 0.5 ft	39500 J	790 J	115 UJ	6570 J	804 J	34100 J	24800 J	2000 J
13B-0524-C1AS	0 - 0.5 ft	34700 J	675 J	10.1 UJ	5430 J	959 J	26700 J	21800 J	1100 J
13B-0524-C1BS	0.5 - 1.5 ft	46200	829	12.9 U	6860	963	33600	28000	1540

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	65700	1090	11.1 U	9140	871	47000	38300	2490
13B-0524-C1GS	5.39 - 6.39 ft	150000	2950	179 U	27400	198 U	122000	93300	17700
13B-0525-C1AS	0 - 0.5 ft	37600 J	845 J	543 J	5770 J	1120 J	30900 J	23800 J	1660 J
13B-0525-C1BS	0.5 - 1.5 ft	50000 J	909 J	619 J	6960 J	1320 J	37300 J	30200 J	1780 J
13B-0525-C1CS	1.5 - 2.5 ft	64600 J	1160 J	709 J	8580 J	1140 J	50000 J	37600 J	2700 J
13B-0525-C1HS	6.42 - 7.42 ft	103000	2680	2070	17900	2680	98700	69500	8370
13B-0526-C1AS	0 - 0.5 ft	302000 J	7350 J	4280 J	52900 J	8640 J	243000 J	218000 J	6650 J
13B-0526-C1BS	0.5 - 1.5 ft	789000 J	19400 J	8250 J	141000 J	20300 J	608000 J	583000 J	9500 J
13B-0526-C1CS	1.5 - 2.5 ft	688000 J	16100 J	9380 J	116000 J	21700 J	531000 J	491000 J	14900 J
13B-0526-C1CT	1.5 - 2.5 ft	719000 J	16400 J	11100 J	121000 J	21400 J	557000 J	512000 J	15600 J
13B-0526-C1HS	6.5 - 7.62 ft	50900	646	301	5750	1340	41200	27700	1220 J
13B-0527-C2AS	0 - 0.5 ft	2480	51.5	10.4 U	397	67.3	2330	1580	113 EMPC-J
13B-0527-C2BS	0.5 - 1.5 ft	81.4 J	4.95 U	4.45 U	4.58 U	5.12 U	50.8	42.7 J	5.13 U
13B-0527-C2CS	1.5 - 2.6 ft	11.4 J	4.55 U	4.28 U	4.4 U	4.92 U	13.2 J	4.67 U	6.69 U
13B-0528-C3AS	0 - 0.5 ft	77300 J	1830 J	5.43 UJ	13300 J	2060 J	63000 J	53000 J	2870 J
13B-0528-C3BS	0.5 - 1.5 ft	790000 J	19600 J	67.1 UJ	144000 J	18400 J	644000 J	572000 J	12000 J
13B-0528-C3CS	1.5 - 2.5 ft	204000 J	3820 J	20.6 UJ	27800 J	4560 J	168000 J	125000 J	1710 J
13B-0528-C3LS	10.5 - 11.54 ft	1220	20 U	19.5 U	104	21.2 U	595	393	47.1 J
13B-0529-C2AS	0 - 0.5 ft	7260	142	156	1090	206	5470	4660	326 J
13B-0529-C2BS	0.5 - 1.5 ft	882	20.7	9.24 J	133	19.9	733	529	41.7 J
13B-0529-C2CS	1.5 - 2.5 ft	268	6.99 U	6.2 U	34.7	9.48 J	207	161	6.24 UJ
13B-0529-C2ES	3.5 - 4.2 ft	12.9 J	5.68 U	5.44 U	5.55 U	5.96 U	9.68 EMPC-J	5.84 U	9.19 UJ
13B-0530-C1AS	0 - 0.5 ft	5030	121	22.5 U	857	129	4480	3220	497
13B-0530-C1BS	0.5 - 1.5 ft	51400	962	173 U	7730	1190	43000	29700	8680
13B-0530-C1CS	1.5 - 1.8 ft	8450	173	50.9 U	1260	157	7160	4990	4230
13B-0531-C2AS	0 - 0.5 ft	2430	52.3	12.5 U	440	58.8	2000	1600	205
13B-0531-C2AT	0 - 0.5 ft	3230	78.4	6.72 U	530	115	2980	2080	133 J
13B-0531-C2BS	0.5 - 1.5 ft	8350 J	132	6.71 U	1280	196	5020 J	5490 J	70.9 J
13B-0531-C2CS	1.5 - 2.5 ft	113 J	5.42 U	5.13 U	12.5 EMPC-J	6.83 J	89.6	61.5 J	6.59 U
13B-0531-C2ES	3.5 - 4.42 ft	10.5 U	3.96 U	3.58 U	4.17 U	3.81 U	7.25 U	4.07 U	5.15 U
13B-0532-C1AS	0 - 0.5 ft	4450	94.9	5.74 U	635	137	3720	2810	423 J
13B-0532-C1BS	0.5 - 1.5 ft	1210	24.3 J	11.1 U	206	15.7 U	959	760	85.1 EMPC-J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	177	7.02 U	6.35 U	19.2 EMPC-J	8.94 U	168	99.7 J	6.31 UJ
13B-0532-C1DS	2.5 - 3.73 ft	13.9 J	5.53 U	4.87 U	5.16 U	6.86 U	10.3 J	5.85 U	6.5 UJ
13B-0533-C2AS	0 - 0.5 ft	63200 J	1530 J	2600 J	10400 J	2010 J	54600 J	43200 J	2090 J
13B-0533-C2AT	0 - 0.5 ft	52900 J	1260 J	2410 J	7770 J	1940 J	46700 J	35900 J	1870 J
13B-0533-C2BS	0.5 - 1.5 ft	608000 J	14900 J	47500 J	97800 J	18400 J	538000 J	431000 J	9800 J
13B-0533-C2CS	1.5 - 2.5 ft	163000 J	2970 J	1790 J	20900 J	5060 J	145000 J	100000 J	1440 J
13B-0533-C2JS	8.5 - 9.62 ft	11700	252	167	1440	244 J	10700	7160	83.3 J
13B-0533-C2JT	8.5 - 9.62 ft	10500	225	153	1140	430 J	9670	6360	83.2 J
13B-0534-C2AS	0 - 0.5 ft	330000 J	9430 J	5450 J	62300 J	7580 J	282000 J	249000 J	10800 J
13B-0534-C2AT	0 - 0.5 ft	313000 J	8980 J	2330 J	58900 J	7200 J	264000 J	235000 J	10400 J
13B-0534-C2BS	0.5 - 1.5 ft	154000	3240	3270	24500	3560	135000	98900	2410 J
13B-0534-C2CS	1.5 - 2.5 ft	30800	559	714	3540	743	26700	17700	312 J
13B-0534-C2IS	7.5 - 8.59 ft	3850	73.1	49.2	422	92.2	3160	2140	42.3 J
13B-0535-C2AS	0 - 0.5 ft	44000 J	870 J	112 UJ	7010 J	1130 J	34800 J	28100 J	1720 J
13B-0535-C2BS	0.5 - 1.5 ft	917	12.9 U	11.5 U	137	20 J	744	545	32 J
13B-0535-C2CS	1.5 - 2.45 ft	77.1 J	11.9 U	10.9 U	12.7 U	10.8 U	61.1	47.6 J	14.4 U
13B-0536-C1AS	0 - 0.5 ft	21200 J	476 J	313 J	3260 J	762 J	18700 J	13500 J	964 J
13B-0536-C1BS	0.5 - 1.5 ft	574	15.4 J	9.51 J	82.5 J	21.9 J	545	366	16.2 J
13B-0536-C1CS	1.5 - 2.5 ft	221	6.42 EMPC-J	3.25 EMPC-J	31.3 J	5.56 J	143	142 J	48.3 J
13B-0536-C1FS	4.28 - 5.28 ft	35.2 J	3.37 U	2.81 U	3.36 U	3.73 U	27.8 U	18.9 J	59.9 J
13B-0537-C3AS	0 - 0.5 ft	8900	30.8 U	26.9 U	1480	171	7300	5730	465
13B-0538-C3AS	0 - 0.5 ft	712000 J	20200 J	9980 J	137000 J	17600 J	591000 J	559000 J	24500 J
13B-0538-C3BS	0.5 - 1.5 ft	702000 J	19200 J	15900 J	130000 J	17600 J	579000 J	539000 J	21600 J
13B-0538-C3CS	1.5 - 2.5 ft	520000 J	14200 J	14200 J	88900 J	16900 J	441000 J	399000 J	18500 J
13B-0538-C3ES	3.5 - 4.8 ft	54.7 J	7.4 U	6.47 U	7.66 U	7.63 U	53.9	48.8 J	15.6 J
13B-0539-C3AS	0 - 0.5 ft	102000 J	1620 J	7.49 UJ	16300 J	7.92 UJ	90300 J	58300 J	2200
13B-0539-C3AT	0 - 0.5 ft	137000	2180	80.5 U	19500	3370	124000	79100	3100
13B-0539-C3BS	0.5 - 1.5 ft	45000	804	28.7 U	5410	352	42400	26300	547
13B-0539-C3CS	1.5 - 2.5 ft	13200	282	40.5 U	2030	42.8 U	12600	6600	194
13B-0539-C3HS	6.5 - 7.59 ft	12.7 J	5.58 U	5.08 U	5.82 U	5.37 U	8.48 J	5.65 U	8.45 U
13B-0540-C4AS	0 - 0.5 ft	37500 J	828 J	617 J	6350 J	934 J	33500 J	23800 J	1330 J
13B-0540-C4BS	0.5 - 1.5 ft	84100 J	1770 J	1060 J	12200 J	2430 J	70100 J	53600 J	5690 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	569000 J	13200 J	4960 J	90700 J	15500 J	456000 J	393000 J	27300 J
13B-0540-C4LS	10.3 - 11.25 ft	27.3 J	7.92 U	7.35 U	8.41 U	7.04 U	31.5 J	21.2 J	14.8 UJ
13B-0541-C1AS	0 - 0.5 ft	62300 J	1410 J	35.9 UJ	10400 J	1700 J	54700 J	41900 J	3160 J
13B-0541-C1BS	0.5 - 1.5 ft	62600	1310	30.9 U	10400	1740	54000	41800	4730
13B-0541-C1CS	1.5 - 2.5 ft	17800	262	14.8 U	2610	463	14800	10200	409
13B-0541-C1FS	4.5 - 5.67 ft	32.9 J	8.54 U	7.86 U	9.14 U	8.39 U	17.8 J	9.01 U	19.3 U
13B-0542-C2AS	0 - 0.5 ft	1150	12.5 U	10.7 U	181	25.5 J	950	724	66.4 EMPC-J
13B-0542-C2BS	0.5 - 1.5 ft	16.7 EMPC-J	6.69 U	5.64 U	6.55 U	5.6 U	19.1 J	6.46 U	12 U
13B-0542-C2CS	1.5 - 2.5 ft	14.4 EMPC-J	7.27 U	6.3 U	7.32 U	6.26 U	7.27 U	7.22 U	19.2 J
13B-0542-C2HS	6.5 - 7.55 ft	6.24 U	5.94 U	5.27 U	6.13 U	5.24 U	6.01 U	6.04 U	11.2 U
13B-0543-G1AS	0 - 0.5 ft	24200 J	525 J	365 J	3790 J	783 J	20600 J	15500 J	988 J
13B-0544-C2AS	0 - 0.5 ft	22300 J	459 J	52 UJ	3920 J	53.1 UJ	18300 J	13900 J	785 J
13B-0544-C2BS	0.5 - 1.5 ft	37200	700	44.1 U	5190	813	29900	23300	1070
13B-0544-C2CS	1.5 - 2.5 ft	49900	990	9.87 U	7040	1070	37800	29300	1800
13B-0544-C2ES	3 - 3.97 ft	17300	308	7.45 U	2360	417	12200	9720	2000
13B-0546-G2AS	0 - 0.5 ft	4340	41.4 J	29.7 EMPC-J	309	491	1790	1920	181 J
13B-0547-C2AS	0 - 0.5 ft	468000 J	10600 J	108 UJ	78200 J	18500 J	410000 J	330000 J	8590 J
13B-0547-C2BS	0.5 - 1.5 ft	170000 J	3010 J	62.4 UJ	27200 J	2960 J	156000 J	103000 J	2910 J
13B-0547-C2CS	1.5 - 2.05 ft	3830	51.1	27.5 U	439	29.1 U	2710	1690	59.8 J
13B-0547-C2HS	6.5 - 7.15 ft	15.2	4.37 U	4.88 U	5.17 U	6.07 U	12.3 J	5.65 U	6.67 UJ
13B-0548-C1AS	0 - 0.5 ft	16200	330	37.7 U	2610	441	14500	10500	871
13B-0548-C1BS	0.5 - 1.5 ft	20600	416	40.1 U	3090	563	17800	13300	671
13B-0548-C1BT	0.5 - 1.5 ft	16800	336	41.4 U	2630	400	13700	10700	732
13B-0548-C1CS	1.5 - 2.5 ft	33500	575	105 U	4550	675	21500	19400	4460
13B-0548-C1IS	7.5 - 8.79 ft	9.23 U	7.93 U	7.88 U	9.11 U	8.52 U	7.99 U	9.05 U	14.4 U
13B-0549-C3AS	0 - 0.5 ft	16500	325	49.4 U	2360	587	14200	10600	601
13B-0549-C3BS	0.5 - 1.5 ft	25.1 U	7.65 U	6.83 U	7.96 U	7.7 U	31.3 U	19.7 J	20.7 U
13B-0549-C3CS	1.5 - 2.65 ft	7.08 U	6.32 U	5.9 U	6.88 U	6.65 U	9.69 U	6.99 U	31.4 J
13B-0550-C3AS	0 - 0.5 ft	21500 J	417 J	531 J	3050 J	753 J	17200 J	14100 J	649 J
13B-0550-C3BS	0.5 - 1.5 ft	5770	109	91	760	160	4680	3510	318 J
13B-0550-C3CS	1.5 - 2.5 ft	13.9 U	2.79 U	2.64 U	2.77 U	3.2 U	13.2 J	10.7 J	2.97 UJ
13B-0550-C3FS	4.5 - 5.37 ft	7.87 U	2.26 U	2.22 U	2.32 U	2.69 U	5.93 J	2.5 U	3.92 UJ

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	21100	428	332	3240	481	17800	12700	699 J
13B-0551-C2BS	0.5 - 0.88 ft	16800	299	12.1 U	2620	300	14500	9870	514 J
13B-0552-C3AS	0 - 0.5 ft	38800 J	892 J	565 J	7090 J	1070 J	35000 J	26100 J	1740 J
13B-0552-C3BS	0.5 - 1.5 ft	82600	1560	1280	12800	1610	63200	50700	9200
13B-0552-C3CS	1.5 - 2.38 ft	335000 J	7940 J	5210 J	62800 J	8820 J	339000 J	233000 J	11300
13B-0552-C3CT	1.5 - 2.38 ft	314000	7290	5270	58300	6050	277000 J	214000	8030
13B-0553-C2AS	0 - 0.5 ft	18000	310	276	2730	406	14500	11200	349 J
13B-0553-C2BS	0.5 - 1.5 ft	481	7.99 U	7.59 U	34.5 J	8.85 EMPC-J	281	187 J	13.9 J
13B-0553-C2CS	1.5 - 2.5 ft	70 EMPC-J	12.6 U	10.4 U	12.8 U	13.6 U	28.9 J	40.2 EMPC-J	72.1 J
13B-0553-C2DS	2.5 - 3.5 ft	108 EMPC-J	19.3 U	16.5 U	20.3 U	21.5 U	19.4 U	21.6 U	120 J
13B-0554-C1AS	0 - 0.5 ft	9850	213	171	1610	269	8750	6280	429
13B-0554-C1BS	0.5 - 1.5 ft	31500	679	410	5140	681	28700	20400	1470
13B-0554-C1CS	1.5 - 2.5 ft	42400	927	531	6870	827	36600	27200	4010
13B-0554-C1ES	3.5 - 4.7 ft	23.6 U	7.68 U	6.96 U	7.94 U	6.94 U	24.5 U	7.78 U	6.86 U
13B-0555-C1AS	0 - 0.5 ft	684000 J	13200 J	17600 J	125000 J	15500 J	535000 J	476000 J	27200 J
13B-0555-C1BS	0.5 - 1.22 ft	174000	2680 J	1550	27800	3750	146000	109000	8850 J
13B-0555-C2CS	1.5 - 2 ft	832000 J	17200 J	15200 J	148000 J	22400 J	650000 J	590000 J	23700 J
13B-0555-C2DS	2 - 3 ft	282000 J	5360 J	5410 J	49900 J	6830 J	235000 J	192000 J	6120 J
13B-0556-C2AS	0 - 0.5 ft	27600 J	513 J	465 J	4450 J	567 J	20500 J	17500 J	938 J
13B-0556-C2BS	0.5 - 1.5 ft	30000	524	280	4670	493	23800	18700	926 J
13B-0556-C2CS	1.5 - 2.38 ft	18600	303	203	2770	339	13700	11100	885 J
13B-0557-C2AS	0 - 0.5 ft	37800 J	650 J	74.2 UJ	6360 J	80.3 UJ	27600 J	23000 J	1330 J
13B-0557-C2BS	0.5 - 1.5 ft	33900 J	632 J	52.1 UJ	4610 J	955 J	26000 J	21100 J	1160 J
13B-0557-C2CS	1.5 - 2.5 ft	74100	1430	3.37 U	11300	1940	54300	44900	10900
13B-0557-C2ES	3.5 - 4.5 ft	98600	1790	106 U	14200	1930	69400	60300	5530
13B-0558-C2AS	0 - 0.5 ft	19600 J	307 J	222 J	2570 J	593 J	14200 J	12000 J	2150 J
13B-0558-C2BS	0.5 - 1.5 ft	8240	124 J	36.8	1060	156	5370	4710	1260 J
13B-0558-C2CS	1.5 - 2.5 ft	555	6.22 UJ	8.43 EMPC-J	42.9	12.8 EMPC-J	421	267	39.8 J
13B-0558-C2FS	4.5 - 5.75 ft	17.4 U	7.64 UJ	8.06 U	8.36 U	9.93 U	22 U	9.15 U	8.69 UJ
13B-0559-C3AS	0 - 0.5 ft	10600	233	154	1710	310	9260	6780	562
13B-0559-C3BS	0.5 - 1.5 ft	30000 J	580 J	513 J	4810 J	603 J	24000 J	18300 J	1840 J
13B-0559-C3CS	1.5 - 2.5 ft	53500	1240	1030	9390	1270	46700 J	34900	5240

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	110000	2310	1490	18600	2290	90500 J	72800	6760
13B-0560-C1AS	0 - 0.5 ft	6550	147	31.6 U	1240	186	6370	4280	412 J
13B-0560-C1BS	0.5 - 1.5 ft	20600	481	73.9 U	3920	379	20300	13700	1620
13B-0560-C1CS	1.5 - 2.5 ft	44400 J	937 J	111 UJ	7330 J	961 J	40900 J	29500 J	2650 J
13B-0560-C1GS	5.14 - 5.86 ft	93.1 J	15.3 U	12.4 U	16.2 U	12.5 U	78.7	46 EMPC-J	18.5 U
13B-0561-C1AS	0 - 0.5 ft	222000	3500	3070	33100	5750	172000 J	137000	9620 J
13B-0561-C1BS	0.5 - 1.5 ft	113000	1640	1200	13900	2990	89000	64600	5550 J
13B-0561-C1CS	1.5 - 2.5 ft	78000 J	2140	1500 J	18600 J	3720 J	70100 J	60400 J	6300 J
13B-0561-C1GS	5.5 - 6.5 ft	16.6 U	13.7 U	14 U	16.2 U	15.3 U	13.8 U	16.1 U	19.3 U
13B-0562-G2AS	0 - 0.5 ft	12400	237	26.9 U	1850	281	10700	8410	294
13B-0563-C2AS	0 - 0.5 ft	1940	40.1	11.3 U	416	11 U	1550	1290	98 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118	PCB-119	PCB-12
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	11.4	6.42	3.25	12.5	5.56	5.93	10.7	13.2
	Maximum Detect	832000	20200	47500	148000	22400	650000	590000	36400
	Mean of Detects	86200	2400	2990	16600	2760	72300	62300	3700
	St. Dev. of Detects	168000	4430	6080	31900	4880	139000	124000	6170
	CV of Detects	1.95	1.84	2.03	1.92	1.77	1.92	1.99	1.67
	% Detected	93.3	74.4	38.7	82.4	71.8	92.4	88.7	81.9
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	3120	60.2	18.6 U	668	18.2 U	2370	2020	92.1 J
13B-0563-C2BS	0.5 - 1.1 ft	1070	18.1 EMPC-J	10.4 U	229	10.2 U	838	697	65.4 J
13B-0563-C2CS	1.1 - 2.5 ft	556000 J	13400 J	436 UJ	123000 J	425 UJ	453000 J	402000 J	36400 J
13B-0563-C2IS	7.5 - 8.28 ft	8420	147	14.5 U	1370	18 U	6730	5040	137 J
13B-0564-G2AS	0 - 0.5 ft	55300 J	1440 J	86.6 UJ	9960 J	1290 J	53500 J	36600 J	2380 J
13B-0565-G1AS	0 - 0.5 ft	7830	162	42 U	1490	45.5 U	7350	5010	305
13B-0566-G3AS	0 - 0.5 ft	7900	229	20.8 U	1470	338	8070	5240	618
13B-0567-G2AS	0 - 0.5 ft	37400 J	671 J	483 J	5380 J	1230 J	29400 J	23600 J	1870 J
13B-0568-G2AS	0 - 0.5 ft	171000 J	2710 J	78.3 UJ	21300 J	4450 J	145000 J	101000 J	4810 J
13B-0570-G3AS	0 - 0.5 ft	30700 J	727 J	41.2 UJ	5290 J	939 J	28900 J	21000 J	1080 J
13B-0571-C3AS	0 - 0.5 ft	10500	195	20.1 U	1890	220	8510	6560	343
13B-0571-C3BS	0.5 - 1.5 ft	5920	64.8	14.5 U	1110	117	4420	3350	192
13B-0571-C3CS	1.5 - 2.5 ft	226	2.68 U	2.35 U	79.3 J	2.26 U	197	119 J	1.96 U
13B-0571-C3MS	11 - 12 ft	8.39 U	1.92 U	1.73 U	2.06 U	1.66 U	5.69 U	1.91 U	3.2 U
13B-0572-C1AS	0 - 0.5 ft	1070	24.5 EMPC-J	23 J	160	34.7 J	992 J	661	35.1 J
13B-0572-C1BS	0.5 - 1.5 ft	102 J	27.1 U	24.3 U	28.6 U	23.1 U	68.9 EMPC-J	52.6 J	68.4 J
13B-0572-C1CS	1.5 - 2.27 ft	26.3 EMPC-J	14.5 U	14.7 U	17.4 U	14 U	37.7 J	16.1 U	17.1 U
13B-0573-C2AS	0 - 0.5 ft	10200	195	180	1800	323	8470	6780	639 J
13B-0573-C2BS	0.5 - 1.5 ft	3860	84.2	93.1	733	117	3560	2580	277 J
13B-0573-C2CS	1.5 - 2.5 ft	35800	790	825	5630	722	29700	22700	2070 J
13B-0573-C2DS	2.5 - 3.75 ft	188	14.8 U	14.4 U	38.2 J	15.7 U	190	134 J	16.5 U
13B-0574-C2AS	0 - 0.5 ft	66100	1390	3.79 U	9960	2240	49900	43200	3320
13B-0574-C2BS	0.5 - 1.5 ft	59600	1220 J	2.76 U	9500	1600	47100 J	39600	3100 J
13B-0574-C2CS	1.5 - 2.5 ft	122000	2190	4.46 U	16900	2940 EMPC-J	87600	76600	2740
13B-0574-C2HS	6.4 - 7.4 ft	125000	4.32 U	4.2 U	23000	4.99 U	95200	79400	4220
13B-0575-C4AS	0 - 0.5 ft	328000 J	8430 J	10000 J	59700 J	9970 J	310000 J	235000 J	17400 J
13B-0575-C4BS	0.5 - 1.5 ft	172000	3770	3910	26500	5160	159000	115000	6110
13B-0575-C4CS	1.5 - 2.5 ft	103 EMPC-J	12.4 U	11.8 U	13 U	11.2 U	113	72 J	13.6 J
13B-0575-C4FS	4.3 - 5.44 ft	26.2 J	6.22 U	6.39 U	7.08 U	6.1 U	31.3 U	7.04 U	5.46 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-113**	**PCB-114**	**PCB-115**	**PCB-116**	**PCB-117**	**PCB-118**	**PCB-119**	**PCB-12**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**11.4**	**6.42**	**3.25**	**12.5**	**5.56**	**5.93**	**10.7**	**13.2**
	Maximum Detect	**832000**	**20200**	**47500**	**148000**	**22400**	**650000**	**590000**	**36400**
	Mean of Detects	**86200**	**2400**	**2990**	**16600**	**2760**	**72300**	**62300**	**3700**
	St. Dev. of Detects	**168000**	**4430**	**6080**	**31900**	**4880**	**139000**	**124000**	**6170**
	CV of Detects	**1.95**	**1.84**	**2.03**	**1.92**	**1.77**	**1.92**	**1.99**	**1.67**
	% Detected	**93.3**	**74.4**	**38.7**	**82.4**	**71.8**	**92.4**	**88.7**	**81.9**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	10900 J	207 J	141 J	1770 J	254 J	9360 J	6940 J	327 J
13B-0578-C5AS	0 - 0.5 ft	2170	55.5	6.32 U	365	69.6	2090	1450	79.4 J
13B-0578-C5BS	0.5 - 1.5 ft	4290	84.3	8.43 U	633	116	3870	2610	85.9 J
13B-0578-C5CS	1.5 - 2.5 ft	1300	17.7 U	15.8 U	61.7 J	16.2 U	557	293 EMPC-J	43.4 U
13B-0578-C5CT	1.5 - 2.5 ft	1510	7.2 U	6.23 U	67.1 J	11.1 J	602	357	11.8 U
13B-0578-C5GS	5.25 - 6.25 ft	71.8 J	5.46 U	4.87 U	6.39 U	5 U	74.9	43 J	11.2 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	57.2	50.1 U	53.7 U	148	187	5440	24.2 J	54.3 U
13B-0501-C1BS	0.5 - 1.5 ft	23.2 U	24.1 U	68.7	104	181	4190	17.8 J	25.4 U
13B-0501-C1CS	1.5 - 2.5 ft	93.9	63.1 U	274	386	933	19300	65.7	67.1 U
13B-0501-C1DS	2.5 - 3.07 ft	6.72 U	6.98 U	34.7 EMPC-J	40.1 J	101	2750	7.25 U	7.49 U
13B-0502-C2AS	0 - 0.5 ft	25.1 U	25.2 U	85.4	103 EMPC-J	195	3920	17.2 U	26.3 U
13B-0502-C2BS	0.5 - 1.5 ft	208	119	416	576	1130	28100	123	12.3 U
13B-0502-C2CS	1.5 - 2.45 ft	917	329	2100	3000	5700	134000	541	13.2 U
13B-0503-C1AS	0 - 0.5 ft	15.1 U	15.2 U	16.8 U	28.1	57.8	1040	14 U	17.3 U
13B-0503-C1BS	0.5 - 1.5 ft	10.9 U	10.9 U	12.8 U	12.2 U	12 U	13.2 U	13.6 U	13.4 U
13B-0503-C1CS	1.5 - 2.5 ft	12.4 U	12.5 U	14.1 U	13.9 U	13.7 U	15.1 U	14.6 U	13.4 U
13B-0503-C1DS	2.5 - 2.5 ft	11.6 U	11.7 U	13.7 U	13 U	12.8 U	14.1 U	14 U	14.2 U
13B-0504-C4AS	0 - 0.5 ft	629 J	29.1 UJ	1370 J	2090 J	5070 J	107000 J	325 J	132 EMPC-J
13B-0504-C4BS	0.5 - 1.5 ft	443 J	20 UJ	1470 J	2330 J	5140 J	102000 J	513 J	185 J
13B-0504-C4CS	1.5 - 2.5 ft	172	11.7 U	527	950	1950	37300	170	72.5
13B-0504-C4KS	9.5 - 10.25 ft	4.56 U	4.89 U	5.28 U	11.2 J	21.6 J	317	6.26 U	4.99 U
13B-0505-C1AS	0 - 0.5 ft	110 UJ	108 UJ	391 J	623 J	936 J	19200 J	107 EMPC-J	138 UJ
13B-0505-C1BS	0.5 - 1.5 ft	65.3 U	65.3 U	119	165	287	5630	20.2 U	73 U
13B-0505-C1CS	1.5 - 2.5 ft	357 U	349 U	937	1320	2530	57400	245	419 U
13B-0505-C1FS	4.5 - 5.2 ft	18.1 U	18.1 U	23.2 U	21.6 U	19.5 U	21.3 U	29.3 U	21 U
13B-0506-C2AS	0 - 0.5 ft	69.6	39.5 U	432	514	1260	19800	84.5	44.5 U
13B-0506-C2BS	0.5 - 1.5 ft	8.49 U	8.49 U	21.4 J	24.6 J	43 J	810	4.38 U	10 U
13B-0506-C2CS	1.5 - 2.5 ft	2.72 U	2.72 U	3.97 U	3.07 U	3.01 U	71.3 J	3.92 U	3.53 U
13B-0507-C2AS	0 - 0.5 ft	5.54 U	5.75 U	6.67 U	6.25 U	6.01 U	190 J	4.25 U	6.46 U
13B-0507-C2BS	0.5 - 1.5 ft	2.74 U	2.84 U	3.84 U	3.09 U	2.97 U	3.37 U	3.49 U	3.79 U
13B-0507-C2CS	1.5 - 2.5 ft	2.36 U	2.45 U	3.42 U	2.66 U	2.56 U	2.9 U	2.79 U	3.24 U
13B-0507-C2DS	2.5 - 3.5 ft	4.85 U	5.03 U	6.36 U	5.48 U	5.26 U	5.97 U	3.71 U	5.92 U
13B-0508-G3AS	0 - 0.5 ft	12.4 U	12.6 U	15.2 U	12.8 UJ	13.5 U	328	14.1 UJ	14.5 U
13B-0509-C1AS	0 - 0.5 ft	518	26.2	2500	3480	7130	152000	544	13.5 U
13B-0509-C1BS	0.5 - 1.5 ft	30.8	6.82 U	104	138	251	5290	19.4 U	8.44 U
13B-0509-C1CS	1.5 - 2.5 ft	11.3 U	11.1 U	12.3 U	14.1 U	12.3 U	105	23.2 U	13 U
13B-0509-C1ES	3.17 - 4.17 ft	11.4 U	11.3 U	14.5 U	14.3 U	12.5 U	28.2 EMPC-J	29.1 U	14.8 U
13B-0510-C3AS	0 - 0.5 ft	203	41.3 U	752	931	2370	48700	82.4	99

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	5 U	5.11 U	39.2 J	43.8 J	109	2290	6.06 J	5.22 U
13B-0511-C3AS	0 - 0.5 ft	147 J	124 UJ	482 J	671 J	1260 J	22800 J	149 J	133 UJ
13B-0511-C3BS	0.5 - 1.5 ft	96 U	98.1 U	421	587	1080	20900	144	111 U
13B-0511-C3CS	1.5 - 2.5 ft	87.1 U	89 U	1500	1930	3840	77300	398	97.6 U
13B-0511-C3HS	5.95 - 6.95 ft	292	33 U	654	920	1510	33100	146	37.3 U
13B-0512-G1AS	0 - 0.5 ft	108 J	94.5 UJ	283 J	373 J	790 J	16600 J	101 J	103 UJ
13B-0513-G1AS	0 - 0.5 ft	94.9 UJ	91.5 UJ	2510 J	3250 J	6390 J	138000 J	558 J	110 UJ
13B-0514-G1AS	0 - 0.5 ft	131 J	92.3 UJ	346 J	417 J	1000 J	21100 J	99.6 J	99.4 UJ
13B-0515-C1AS	0 - 0.5 ft	33.5 EMPC-J	17.9 U	107	154	272	5460	28.7 J	20.5 U
13B-0515-C1BS	0.5 - 1.71 ft	3.92 U	3.78 U	4.71 U	4.6 U	4.27 U	37 J	4.28 U	4.31 U
13B-0515-C2CS	1.5 - 2.19 ft	3.91 U	3.77 U	4.93 U	4.59 U	4.25 U	29.5 J	5.17 U	4.37 U
13B-0516-C2AS	0 - 0.5 ft	13.8 UJ	14.2 UJ	385 J	490 J	1000 J	18600 J	112 J	15.8 UJ
13B-0516-C2BS	0.5 - 1.5 ft	358 J	202 UJ	653 J	852 J	1870 J	37400 J	233 J	218 UJ
13B-0516-C2CS	1.5 - 2.5 ft	604 J	532 UJ	1240 J	1910 J	3930 J	83100 J	383 J	551 UJ
13B-0516-C2LS	10.4 - 11.4 ft	726	82.6 U	1160	1240	3580	80700	217 EMPC-J	87.2 U
13B-0517-G2AS	0 - 0.5 ft	10.6 U	10.9 U	14.6 EMPC-J	18.6 EMPC-J	34.2 EMPC-J	851	8.4 U	11.4 U
13B-0518-G1AS	0 - 0.5 ft	19.8 U	19.8 U	82.2	115	212	4210	25.4 J	21.6 U
13B-0518-G1AT	0 - 0.5 ft	6.31 U	6.3 U	103	144	261	5340	31.2 J	7.15 U
13B-0519-C2AS	0 - 0.5 ft	67.2 UJ	68.7 UJ	333 J	459 J	838 J	16400 J	121 J	78.2 UJ
13B-0519-C2BS	0.5 - 1.5 ft	129	66.1 U	248	355	708	13500	90.6	81.5 U
13B-0519-C2CS	1.5 - 2.5 ft	10.1 UJ	10.3 UJ	3710 J	4290 J	9740 J	211000 J	984 J	11.1 UJ
13B-0519-C2RS	16.1 - 17.1 ft	7.93 U	8.12 U	10.3 U	9.03 U	9.18 U	98.3 J	11.3 U	9.19 U
13B-0520-G1AS	0 - 0.5 ft	95.8 J	20.6 EMPC-J	301 J	414 J	831 J	17300 J	108 J	8.71 UJ
13B-0521-C2AS	0 - 0.5 ft	15 U	14.7 U	45	70	114	2230	26.1 J	16.6 U
13B-0521-C2BS	0.5 - 1.5 ft	9.28 U	9.08 U	18.3 J	29.7 EMPC-J	54.6 J	1130	7.89 U	10.5 U
13B-0521-C2CS	1.5 - 2.5 ft	17.2 U	16.8 U	60.9 EMPC-J	91.7	135 EMPC-J	2890	15.5 U	21.3 U
13B-0521-C2HS	6.5 - 7.63 ft	112 UJ	110 UJ	7880 J	11100 J	23700 J	491000 J	1480 J	120 UJ
13B-0522-G1AS	0 - 0.5 ft	128 J	41.9 J	433 J	541 J	1160 J	24000 J	155 J	10.5 UJ
13B-0522-G1AT	0 - 0.5 ft	134 J	27.8 EMPC-J	424 J	494 J	1150 J	22800 J	131 J	10.9 UJ
13B-0523-G2AS	0 - 0.5 ft	119 UJ	119 UJ	461 J	641 J	1210 J	24800 J	167 J	143 UJ
13B-0524-C1AS	0 - 0.5 ft	118 J	9.92 UJ	363 J	553 J	996 J	21800 J	120 EMPC-J	10 UJ
13B-0524-C1BS	0.5 - 1.5 ft	12.3 U	12.7 U	487	697	1270	28000	175	13.1 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	367	10.9 U	682	942	1780	38300	217	12.9 U
13B-0524-C1GS	5.39 - 6.39 ft	170 U	239	1320	1850	4070	93300	476	192 U
13B-0525-C1AS	0 - 0.5 ft	146 J	29.1 EMPC-J	451 J	621 J	1190 J	23800 J	180 J	13.4 UJ
13B-0525-C1BS	0.5 - 1.5 ft	208 J	42.3 J	540 J	910 J	1460 J	30200 J	176 J	11.7 UJ
13B-0525-C1CS	1.5 - 2.5 ft	381 J	55.8 EMPC-J	762 J	893 J	1850 J	37600 J	257 J	9.19 UJ
13B-0525-C1HS	6.42 - 7.42 ft	340	152	1370	2050	3600	69500	398	13.2 U
13B-0526-C1AS	0 - 0.5 ft	421 J	18 UJ	3560 J	4760 J	9750 J	218000 J	743 J	18.5 UJ
13B-0526-C1BS	0.5 - 1.5 ft	1090 J	18.1 UJ	9270 J	13100 J	25800 J	583000 J	1220 J	18.7 UJ
13B-0526-C1CS	1.5 - 2.5 ft	1160 J	26.4 UJ	7680 J	8380 J	21800 J	491000 J	1230 J	26.5 UJ
13B-0526-C1CT	1.5 - 2.5 ft	1130 J	18 UJ	7770 J	8990 J	22900 J	512000 J	1650 J	578 J
13B-0526-C1HS	6.5 - 7.62 ft	216	24.5 U	316	471	1200	27700	56	26.3 U
13B-0527-C2AS	0 - 0.5 ft	9.59 U	9.31 U	23 EMPC-J	39.8 EMPC-J	71.9 EMPC-J	1580	12.8 J	10.5 U
13B-0527-C2BS	0.5 - 1.5 ft	4.12 U	4 U	5.16 U	4.68 U	4.47 U	42.7 J	4.55 U	4.72 U
13B-0527-C2CS	1.5 - 2.6 ft	3.96 U	3.84 U	4.74 U	4.5 U	4.29 U	4.67 U	4.11 U	4.16 U
13B-0528-C3AS	0 - 0.5 ft	4.84 UJ	4.83 UJ	1000 J	1470 J	2610 J	53000 J	222 J	5.3 UJ
13B-0528-C3BS	0.5 - 1.5 ft	59.8 UJ	59.7 UJ	9790 J	13000 J	26800 J	572000 J	1810 J	64.1 UJ
13B-0528-C3CS	1.5 - 2.5 ft	18.3 UJ	18.3 UJ	1900 J	2580 J	6560 J	125000 J	437 J	19.9 UJ
13B-0528-C3LS	10.5 - 11.54 ft	17.4 U	17.4 U	20.8 U	20.4 U	19.1 U	393	20.3 U	19.7 U
13B-0529-C2AS	0 - 0.5 ft	6.23 U	6.48 U	73.8	111	201	4660	18.6	6.79 U
13B-0529-C2BS	0.5 - 1.5 ft	5.17 U	5.38 U	10.8	17	26.7	529	4.02 U	5.73 U
13B-0529-C2CS	1.5 - 2.5 ft	5.46 U	5.68 U	6.59 U	6.41 U	10.2 EMPC-J	161	4.34 U	6.19 U
13B-0529-C2ES	3.5 - 4.2 ft	4.79 U	4.98 U	5.35 U	5.63 U	5.12 U	5.84 U	5.36 U	5.2 U
13B-0530-C1AS	0 - 0.5 ft	20.6 U	20.3 U	73.8	98.5	174	3220	15.8 U	22.4 U
13B-0530-C1BS	0.5 - 1.5 ft	158 U	156 U	573	808	1430	29700	165	180 U
13B-0530-C1CS	1.5 - 1.8 ft	46.7 U	46.1 U	105 EMPC-J	153	250	4990	309	52.9 U
13B-0531-C2AS	0 - 0.5 ft	11.7 U	11.4 U	26.8 EMPC-J	46.5 J	80.9 J	1600	17.1 U	13.7 U
13B-0531-C2AT	0 - 0.5 ft	6.3 U	6.13 U	40.8 J	52.4 EMPC-J	122	2080	18.3 EMPC-J	7.49 U
13B-0531-C2BS	0.5 - 1.5 ft	6.29 U	6.12 U	81.8	94.9	201	5490 J	9.1 U	7.3 U
13B-0531-C2CS	1.5 - 2.5 ft	5.01 U	4.86 U	5.7 U	5.69 U	5.46 U	61.5 J	6.87 U	5.65 U
13B-0531-C2ES	3.5 - 4.42 ft	3.49 U	3.39 U	4.17 U	3.97 U	3.81 U	4.07 U	5.84 U	4.07 U
13B-0532-C1AS	0 - 0.5 ft	5.67 U	5.72 U	57.8	75.1	138	2810	14.1 EMPC-J	6.3 U
13B-0532-C1BS	0.5 - 1.5 ft	11 U	11.1 U	12 U	24.8 J	35.8 EMPC-J	760	9.28 U	11.7 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	6.27 U	6.32 U	7.14 U	7.63 U	6.89 U	99.7 J	6.62 U	6.68 U
13B-0532-C1DS	2.5 - 3.73 ft	4.81 U	4.86 U	5.62 U	5.86 U	5.29 U	5.85 U	7.08 U	5.28 U
13B-0533-C2AS	0 - 0.5 ft	175 J	113 UJ	772 J	1220 J	2090 J	43200 J	194 J	114 UJ
13B-0533-C2AT	0 - 0.5 ft	156 J	113 UJ	663 J	1020 J	1790 J	35900 J	155 J	121 UJ
13B-0533-C2BS	0.5 - 1.5 ft	1220 J	308 UJ	7080 J	10200 J	19900 J	431000 J	1320 J	572 J
13B-0533-C2CS	1.5 - 2.5 ft	543 J	14.4 UJ	1410 J	3010 J	4690 J	100000 J	248 J	15.9 UJ
13B-0533-C2JS	8.5 - 9.62 ft	15.7 U	16.2 U	123	198	391	7160	19.2 U	18.3 U
13B-0533-C2JT	8.5 - 9.62 ft	59.6	16.8 U	107	169	365	6360	22.8 J	18.3 U
13B-0534-C2AS	0 - 0.5 ft	378 J	96 UJ	4360 J	5260 J	11800 J	249000 J	909 J	105 UJ
13B-0534-C2AT	0 - 0.5 ft	350 J	16.3 UJ	4280 J	5670 J	11100 J	235000 J	862 J	17.1 UJ
13B-0534-C2BS	0.5 - 1.5 ft	382	25.6 U	1570	2080	4580	98900	363	29.2 U
13B-0534-C2CS	1.5 - 2.5 ft	124	16.8 U	271	385	886	17700	111	19.6 U
13B-0534-C2IS	7.5 - 8.59 ft	33.8 J	12.4 U	38.5 J	47 J	122	2140	19.3 U	13.3 U
13B-0535-C2AS	0 - 0.5 ft	108 UJ	109 UJ	495 J	786 J	1260 J	28100 J	148 J	127 UJ
13B-0535-C2BS	0.5 - 1.5 ft	11.1 U	11.2 U	13.2 U	13.2 U	27.5 EMPC-J	545	15.5 U	12.6 U
13B-0535-C2CS	1.5 - 2.45 ft	10.3 U	10.5 U	11.9 U	12.3 U	11.2 U	47.6 J	8.6 U	11.6 U
13B-0536-C1AS	0 - 0.5 ft	89.7 J	67.2 UJ	291 J	361 J	717 J	13500 J	89.5 J	63.5 UJ
13B-0536-C1BS	0.5 - 1.5 ft	2.23 U	2.32 U	7.41 J	11.4 J	20.9 J	366	4.14 U	2.36 U
13B-0536-C1CS	1.5 - 2.5 ft	2.86 U	2.98 U	3.22 U	3.14 U	8.06 J	142 J	5.74 U	3.14 U
13B-0536-C1FS	4.28 - 5.28 ft	2.88 U	3.01 U	3.59 U	3.17 U	3.07 U	18.9 J	8.57 U	3.46 U
13B-0537-C3AS	0 - 0.5 ft	24.6 U	26.1 U	95.1	132	283	5730	28.6 J	27.9 U
13B-0538-C3AS	0 - 0.5 ft	725 J	18.8 UJ	9910 J	13300 J	27000 J	559000 J	2070 J	19.6 UJ
13B-0538-C3BS	0.5 - 1.5 ft	635 J	27.9 UJ	9380 J	12000 J	25900 J	539000 J	1830 J	30.7 UJ
13B-0538-C3CS	1.5 - 2.5 ft	444 J	22.4 UJ	6890 J	8860 J	19200 J	399000 J	1500 J	380 J
13B-0538-C3ES	3.5 - 4.8 ft	6.5 U	6.61 U	7.54 U	7.53 U	7.08 U	48.8 J	9.1 U	7.55 U
13B-0539-C3AS	0 - 0.5 ft	463 J	7.13 UJ	952 J	1270 J	2620 J	58300 J	236 EMPC-J	8.35 UJ
13B-0539-C3AT	0 - 0.5 ft	605	76.6 U	1220	1820	3570	79100	306	76.9 U
13B-0539-C3BS	0.5 - 1.5 ft	28.1 U	27.3 U	402	573	1350	26300	182	29.4 U
13B-0539-C3CS	1.5 - 2.5 ft	39.7 U	38.6 U	48.3 U	195	405	6600	71.5 EMPC-J	40.9 U
13B-0539-C3HS	6.5 - 7.59 ft	4.97 U	4.84 U	5.8 U	5.6 U	5.3 U	5.65 U	8.81 U	5.12 U
13B-0540-C4AS	0 - 0.5 ft	115 J	26.8 EMPC-J	434 J	720 J	1240 J	23800 J	135 J	9.62 UJ
13B-0540-C4BS	0.5 - 1.5 ft	310 J	31.3 J	866 J	1390 J	2450 J	53600 J	292 J	17.3 UJ

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	1210 J	15.2 UJ	6230 J	8620 J	17700 J	393000 J	1460 J	292 EMPC-J
13B-0540-C4LS	10.3 - 11.25 ft	6.72 U	6.74 U	7.74 U	8.12 U	7.29 U	21.2 J	8.33 U	7.47 U
13B-0541-C1AS	0 - 0.5 ft	193 J	34.9 UJ	721 J	1030 J	1850 J	41900 J	181 J	37.7 UJ
13B-0541-C1BS	0.5 - 1.5 ft	29.8 U	30 U	642	981	1810	41800	159	35.3 U
13B-0541-C1CS	1.5 - 2.5 ft	88.2	14 U	141	204	398	10200	42 J	17.4 U
13B-0541-C1FS	4.5 - 5.67 ft	7.56 U	7.63 U	8.69 U	9.03 U	8.09 U	9.01 U	9.8 U	8.65 U
13B-0542-C2AS	0 - 0.5 ft	10.1 U	10.4 U	12.4 U	12.1 U	42.4 J	724	20.1 U	11.2 U
13B-0542-C2BS	0.5 - 1.5 ft	5.3 U	5.45 U	6.67 U	6.37 U	5.79 U	6.46 U	10.8 U	6.09 U
13B-0542-C2CS	1.5 - 2.5 ft	5.93 U	6.1 U	7.26 U	7.12 U	6.48 U	7.22 U	8.25 U	7.27 U
13B-0542-C2HS	6.5 - 7.55 ft	4.96 U	5.1 U	5.93 U	5.96 U	5.42 U	6.04 U	7.49 U	5.41 U
13B-0543-G1AS	0 - 0.5 ft	80.4 J	45.9 UJ	322 J	449 J	802 J	15500 J	100 J	45 UJ
13B-0544-C2AS	0 - 0.5 ft	47.6 UJ	50.3 UJ	271 J	391 J	698 J	13900 J	95.7 J	55.3 UJ
13B-0544-C2BS	0.5 - 1.5 ft	40.4 U	42.7 U	400	562	1160	23300	144	49.9 U
13B-0544-C2CS	1.5 - 2.5 ft	9.04 U	9.55 U	557	764	1470	29300	214	11.5 U
13B-0544-C2ES	3 - 3.97 ft	125	7.21 U	158	222	446	9720	52.6 EMPC-J	8.34 U
13B-0546-G2AS	0 - 0.5 ft	13.8 U	66.7	24.5 EMPC-J	41.4 J	63.9 J	1920	10.2 U	17.9 U
13B-0547-C2AS	0 - 0.5 ft	104 UJ	102 UJ	5900 J	7830 J	15000 J	330000 J	1090 J	128 UJ
13B-0547-C2BS	0.5 - 1.5 ft	641 J	59 UJ	1810 J	2070 J	4750 J	103000 J	437 J	73.4 UJ
13B-0547-C2CS	1.5 - 2.05 ft	26.6 U	26 U	34.3 U	30.5 U	90.6	1690	26.4 U	31.6 U
13B-0547-C2HS	6.5 - 7.15 ft	4.69 U	4.67 U	5.54 U	4.39 U	5.02 U	5.65 U	3.96 U	4.78 U
13B-0548-C1AS	0 - 0.5 ft	52 EMPC-J	37.1 U	200	255	496	10500	55.8	45.1 U
13B-0548-C1BS	0.5 - 1.5 ft	40.1 U	39.5 U	256	311	656	13300	56.5	48.8 U
13B-0548-C1BT	0.5 - 1.5 ft	40.5 U	40.6 U	226	269	558	10700	59.3	50 U
13B-0548-C1CS	1.5 - 2.5 ft	103 U	103 U	324	491	874	19400	88.7 EMPC-J	128 U
13B-0548-C1IS	7.5 - 8.79 ft	7.71 U	7.71 U	8.62 U	8.46 U	8.55 U	9.05 U	8.41 U	8.03 U
13B-0549-C3AS	0 - 0.5 ft	49.3 U	48.6 U	213	269	513	10600	50 EMPC-J	57.9 U
13B-0549-C3BS	0.5 - 1.5 ft	6.82 U	6.72 U	8.13 U	8.01 U	7.3 U	19.7 J	11.2 U	7.83 U
13B-0549-C3CS	1.5 - 2.65 ft	5.89 U	5.81 U	6.71 U	6.92 U	6.31 U	6.99 U	10.9 U	7.03 U
13B-0550-C3AS	0 - 0.5 ft	46.5 UJ	49.9 UJ	225 J	328 J	665 J	14100 J	95.3 J	51.8 UJ
13B-0550-C3BS	0.5 - 1.5 ft	23.7 J	8.12 U	59.8	94.8	164	3510	18 J	8.27 U
13B-0550-C3CS	1.5 - 2.5 ft	2.34 U	2.51 U	2.76 U	2.76 U	2.52 U	10.7 J	3.7 U	2.52 U
13B-0550-C3FS	4.5 - 5.37 ft	1.96 U	2.11 U	2.24 U	2.32 U	2.12 U	2.5 U	2.94 U	2.02 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	90.5	24.3 U	251	312	578	12700	66.1	31.6 U
13B-0551-C2BS	0.5 - 0.88 ft	11.3 U	11.2 U	188	217	418	9870	36.6	13.4 U
13B-0552-C3AS	0 - 0.5 ft	73.6 UJ	72.7 UJ	505 J	720 J	1290 J	26100 J	183 J	92.8 UJ
13B-0552-C3BS	0.5 - 1.5 ft	260 U	257 U	862	1240	2360	50700	280	294 U
13B-0552-C3CS	1.5 - 2.38 ft	116 UJ	114 UJ	4090 J	5130 J	11000 J	233000 J	1080 J	151 UJ
13B-0552-C3CT	1.5 - 2.38 ft	676	73.7 U	3830	4700	9910	214000	752 J	260
13B-0553-C2AS	0 - 0.5 ft	36.5 J	16.2 U	165	287	581	11200	41.9 EMPC-J	18.7 U
13B-0553-C2BS	0.5 - 1.5 ft	19.2 J	6.96 U	7.8 U	8.39 U	7.53 U	187 J	7.24 U	8.87 U
13B-0553-C2CS	1.5 - 2.5 ft	10.9 U	11.3 U	12.5 U	13.1 U	12 U	40.2 EMPC-J	16.1 U	12.9 U
13B-0553-C2DS	2.5 - 3.5 ft	17.3 U	17.9 U	19.1 U	20.8 U	19 U	21.6 U	30.6 U	18.8 U
13B-0554-C1AS	0 - 0.5 ft	42.6	12.2	112	173	323	6280	37	6.85 U
13B-0554-C1BS	0.5 - 1.5 ft	122	27.1	358	635	969	20400	162	6.48 U
13B-0554-C1CS	1.5 - 2.5 ft	161	43	458	765	1180	27200	186	11.6 U
13B-0554-C1ES	3.5 - 4.7 ft	6.57 U	6.44 U	7.26 U	8.25 U	7.1 U	7.78 U	10.1 U	7.85 U
13B-0555-C1AS	0 - 0.5 ft	1580 J	20.6 UJ	7840 J	10200 J	21300 J	476000 J	2300 J	21.1 UJ
13B-0555-C1BS	0.5 - 1.22 ft	692	14.8 U	1660	2060 J	4460	109000	354 J	143
13B-0555-C2CS	1.5 - 2 ft	1710 J	21.6 UJ	10200 J	11500 J	26200 J	590000 J	1710 J	640 J
13B-0555-C2DS	2 - 3 ft	821 J	22 UJ	3120 J	3690 J	8400 J	192000 J	664 J	245 J
13B-0556-C2AS	0 - 0.5 ft	89.2 J	16.8 EMPC-J	263 EMPC-J	453 J	805 J	17500 J	102 J	5.35 UJ
13B-0556-C2BS	0.5 - 1.5 ft	148 EMPC-J	30.4	305	473	898	18700	277	101
13B-0556-C2CS	1.5 - 2.38 ft	82	11.7	185	322	488	11100	70.7	7.13 U
13B-0557-C2AS	0 - 0.5 ft	72.7 UJ	72.7 UJ	417 J	508 J	1230 J	23000 J	157 J	86.4 UJ
13B-0557-C2BS	0.5 - 1.5 ft	51 UJ	51 UJ	422 J	568 J	1160 J	21100 J	170 EMPC-J	60.5 UJ
13B-0557-C2CS	1.5 - 2.5 ft	3.29 U	3.3 U	804	1030	2190	44900	304	3.63 U
13B-0557-C2ES	3.5 - 4.5 ft	104 U	110 U	965	1340	2800	60300	442	106 U
13B-0558-C2AS	0 - 0.5 ft	94.4 J	32.2 EMPC-J	187 J	258 J	545 J	12000 J	70.2 J	9.96 UJ
13B-0558-C2BS	0.5 - 1.5 ft	117	7.78 U	74.8	97.3 J	200	4710	25.8 EMPC-J	8.63 U
13B-0558-C2CS	1.5 - 2.5 ft	6.24 U	6.37 U	7.2 U	6.44 UJ	6.76 U	267	10.2 UJ	6.85 U
13B-0558-C2FS	4.5 - 5.75 ft	7.54 U	7.69 U	8.85 U	7.78 UJ	8.16 U	9.15 U	8.29 UJ	8.07 U
13B-0559-C3AS	0 - 0.5 ft	38.8 EMPC-J	17.1	142	189	364	6780	62.9 J	11.7 U
13B-0559-C3BS	0.5 - 1.5 ft	152 J	22.2 J	377 J	508 J	973 J	18300 J	139 J	11.6 UJ
13B-0559-C3CS	1.5 - 2.5 ft	219	67.2	674	1030	1760	34900	273 J	21.1 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	431	53.3	1250	1720	3470	72800	372 J	18.4 U
13B-0560-C1AS	0 - 0.5 ft	32.4 U	31.8 U	114 EMPC-J	130	225	4280	25.2 U	33.6 U
13B-0560-C1BS	0.5 - 1.5 ft	75.7 U	74.2 U	279	412	723	13700	64.3 EMPC-J	90.1 U
13B-0560-C1CS	1.5 - 2.5 ft	114 UJ	112 UJ	553 J	732 J	1580 J	29500 J	199 J	124 UJ
13B-0560-C1GS	5.14 - 5.86 ft	12.7 U	12.4 U	15.8 U	15.2 U	13.9 U	46 EMPC-J	19.3 U	14 U
13B-0561-C1AS	0 - 0.5 ft	1170	160 U	1840	2490	5510	137000	512	172 U
13B-0561-C1BS	0.5 - 1.5 ft	70.9 U	68.3 U	930	1370	2600	64600	287	74.9 U
13B-0561-C1CS	1.5 - 2.5 ft	67 U	64.5 U	1020	1440 J	2050 J	60400 J	275 J	70.4 U
13B-0561-C1GS	5.5 - 6.5 ft	13.7 U	13.2 U	14.3 U	14.5 U	14.6 U	16.1 U	19.4 U	14.2 U
13B-0562-G2AS	0 - 0.5 ft	26.6 U	26.7 U	148	228	441	8410	62.3	29.7 U
13B-0563-C2AS	0 - 0.5 ft	10.5 U	10.4 U	12.6 U	33.4 J	60.3 J	1290	9.84 U	12.8 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	19.2	11.7	7.41	11	8.06	10.7	6.06	67.6
	Maximum Detect	1710	329	10200	13300	27000	590000	2300	640
	Mean of Detects	353	60.9	1310	1660	3300	62300	345	269
	St. Dev. of Detects	371	72.5	2250	2860	5980	124000	466	192
	CV of Detects	1.05	1.19	1.72	1.72	1.81	1.99	1.35	0.714
	% Detected	37.0	10.9	70.6	73.9	77.3	88.7	62.2	5.88
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	17.4 U	17.2 U	28.4 EMPC-J	53.6	85.2	2020	11 U	20.2 U
13B-0563-C2BS	0.5 - 1.1 ft	9.72 U	9.64 U	11.4 U	11.8 U	26.6 J	697	9.76 U	11.8 U
13B-0563-C2CS	1.1 - 2.5 ft	406 UJ	403 UJ	6880 J	8710 J	16300 J	402000 J	1730 J	407 UJ
13B-0563-C2IS	7.5 - 8.28 ft	15.1 U	15 U	81.9	92.5 EMPC-J	219	5040	23.1 J	17.5 U
13B-0564-G2AS	0 - 0.5 ft	90.3 UJ	89.8 UJ	883 J	1100 J	1880 J	36600 J	221 J	103 UJ
13B-0565-G1AS	0 - 0.5 ft	41.6 U	41.6 U	73.1 EMPC-J	114	249	5010	19.6 U	47 U
13B-0566-G3AS	0 - 0.5 ft	20.6 U	20.6 U	155	236	311	5240	17.4 U	24.2 U
13B-0567-G2AS	0 - 0.5 ft	142 J	43.2 J	425 J	574 J	1180 J	23600 J	139 J	9.82 UJ
13B-0568-G2AS	0 - 0.5 ft	722 J	77.5 UJ	1440 J	1900 J	4470 J	101000 J	321 J	82.3 UJ
13B-0570-G3AS	0 - 0.5 ft	38.1 UJ	38.2 UJ	391 J	541 J	1030 J	21000 J	138 J	47.3 UJ
13B-0571-C3AS	0 - 0.5 ft	18.6 U	18.7 U	133	193	315	6560	40.9 J	22.3 U
13B-0571-C3BS	0.5 - 1.5 ft	24 J	13.5 U	84.9	137	144	3350	31.1 EMPC-J	16.7 U
13B-0571-C3CS	1.5 - 2.5 ft	2.17 U	2.18 U	2.68 U	11 J	10.2 J	119 J	2.23 U	2.68 U
13B-0571-C3MS	11 - 12 ft	1.6 U	1.6 U	1.92 U	1.97 U	1.77 U	1.91 U	1.94 U	1.92 U
13B-0572-C1AS	0 - 0.5 ft	14.5 U	14 U	17.5 U	15.9 U	39 J	661	18 U	16.4 U
13B-0572-C1BS	0.5 - 1.5 ft	22.3 U	21.5 U	26.9 U	24.4 U	24.1 U	52.6 J	33.2 U	23.6 U
13B-0572-C1CS	1.5 - 2.27 ft	13.5 U	13 U	14.3 U	14.8 U	14.6 U	16.1 U	20.9 U	14.1 U
13B-0573-C2AS	0 - 0.5 ft	63.3 U	61.1 U	78.3 U	133	301	6780	37.6 J	73.5 U
13B-0573-C2BS	0.5 - 1.5 ft	23.1 U	22.3 U	52.1	78.5	130	2580	16.1 U	28.3 U
13B-0573-C2CS	1.5 - 2.5 ft	129	32.1 U	388	453	1100	22700	130 EMPC-J	35.8 U
13B-0573-C2DS	2.5 - 3.75 ft	14.1 U	13.6 U	15.5 U	14.9 U	15 U	134 J	16.9 U	14.6 U
13B-0574-C2AS	0 - 0.5 ft	3.72 U	3.92 U	726	895	2040	43200	181	3.97 U
13B-0574-C2BS	0.5 - 1.5 ft	2.71 U	2.85 U	686	868 J	1810	39600	157	67.6
13B-0574-C2CS	1.5 - 2.5 ft	4.37 U	4.6 U	1140	1420	3620	76600	245	4.27 U
13B-0574-C2HS	6.4 - 7.4 ft	4.11 U	4.33 U	1280	1610	3670	79400	327	4.45 U
13B-0575-C4AS	0 - 0.5 ft	108 UJ	111 UJ	4170 J	6070 J	10700 J	235000 J	1040 J	131 UJ
13B-0575-C4BS	0.5 - 1.5 ft	421	44.8 U	1930	2660	5090	115000	463	50.6 U
13B-0575-C4CS	1.5 - 2.5 ft	10.8 U	11.1 U	12.9 U	12.4 U	11.7 U	72 J	20 U	12.9 U
13B-0575-C4FS	4.3 - 5.44 ft	5.86 U	6.01 U	6.51 U	6.75 U	6.32 U	7.04 U	9.42 U	6.53 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-120**	**PCB-121**	**PCB-122**	**PCB-123**	**PCB-124**	**PCB-125**	**PCB-126**	**PCB-127**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**19.2**	**11.7**	**7.41**	**11**	**8.06**	**10.7**	**6.06**	**67.6**
	Maximum Detect	**1710**	**329**	**10200**	**13300**	**27000**	**590000**	**2300**	**640**
	Mean of Detects	**353**	**60.9**	**1310**	**1660**	**3300**	**62300**	**345**	**269**
	St. Dev. of Detects	**371**	**72.5**	**2250**	**2860**	**5980**	**124000**	**466**	**192**
	CV of Detects	**1.05**	**1.19**	**1.72**	**1.72**	**1.81**	**1.99**	**1.35**	**0.714**
	% Detected	**37.0**	**10.9**	**70.6**	**73.9**	**77.3**	**88.7**	**62.2**	**5.88**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	25.6 UJ	26.2 UJ	139 J	179 J	345 J	6940 J	69.4 EMPC-J	32.4 UJ
13B-0578-C5AS	0 - 0.5 ft	6.34 U	6.41 U	30.4 J	40.5 J	73.6 J	1450	8.56 U	7.16 U
13B-0578-C5BS	0.5 - 1.5 ft	30.7 J	8.55 U	44.7 J	57.2	109	2610	12.2 U	10.2 U
13B-0578-C5CS	1.5 - 2.5 ft	16.3 U	16.3 U	18.2 U	19 U	17.3 U	293 EMPC-J	27.7 U	18.1 U
13B-0578-C5CT	1.5 - 2.5 ft	96.2	6.41 U	7.4 U	7.5 U	20.6 EMPC-J	357	28.7 U	6.78 U
13B-0578-C5GS	5.25 - 6.25 ft	5.02 U	5.01 U	5.61 U	5.86 U	5.34 U	43 J	7.5 U	5.31 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	1100	13200	296 J	512	98	3070	265	645
13B-0501-C1BS	0.5 - 1.5 ft	780	6730	435 J	463	80.7	2220	182	385
13B-0501-C1CS	1.5 - 2.5 ft	4470	34000	817 J	2360	520	12400	769	2260
13B-0501-C1DS	2.5 - 3.07 ft	373	2500	49 J	166	42.8 EMPC-J	959	62.8	188
13B-0502-C2AS	0 - 0.5 ft	782	6040	343 J	361	74 EMPC-J	1910	82.8 EMPC-J	295 EMPC-J
13B-0502-C2BS	0.5 - 1.5 ft	4450	37500	3350	2140	406	12200	747	2220
13B-0502-C2CS	1.5 - 2.45 ft	25200	173000 J	11800	9920	2070	59700 J	3360	11100
13B-0503-C1AS	0 - 0.5 ft	259	1850	58.5 J	115	20.3 EMPC-J	536	33.7	114
13B-0503-C1BS	0.5 - 1.5 ft	11.9 U	17.9 U	11.1 U	11 U	10.7 U	10.5 U	9.97 U	13 U
13B-0503-C1CS	1.5 - 2.5 ft	16.2 U	22.4 U	17.6 U	13.7 U	13.3 U	13 U	12.4 U	16.1 U
13B-0503-C1DS	2.5 - 2.5 ft	16 U	11.9 U	18.6 U	14.2 U	13.7 U	13.4 U	12.8 U	16.7 U
13B-0504-C4AS	0 - 0.5 ft	24700 J	161000 J	1570 J	9760 J	2020 J	55400 J	2700 J	8640 J
13B-0504-C4BS	0.5 - 1.5 ft	27000 J	167000 J	1660 J	9930 J	2190 J	55900 J	2400 J	9270 J
13B-0504-C4CS	1.5 - 2.5 ft	9800	60500	1060 J	3550	793	19500	874	3180
13B-0504-C4KS	9.5 - 10.25 ft	97	404	24.5 J	23.7 J	4.58 U	112	22.7 EMPC-J	21 J
13B-0505-C1AS	0 - 0.5 ft	4630 J	34800 J	2470 J	2070 J	408 J	10600 J	633 J	1990 J
13B-0505-C1BS	0.5 - 1.5 ft	1320	10200	1560	618	110	3150	178	469
13B-0505-C1CS	1.5 - 2.5 ft	11800	88900	11600	5300	1050	30400	1830	5280
13B-0505-C1FS	4.5 - 5.2 ft	31.9 U	45.4 U	28.9 U	21.9 U	20.5 U	20.3 U	19.1 U	21.5 U
13B-0506-C2AS	0 - 0.5 ft	5890	35800	502	2400	521	11000	561	1910
13B-0506-C2BS	0.5 - 1.5 ft	185	1810	52.3 J	163	2.59 U	526	138	91.9
13B-0506-C2CS	1.5 - 2.5 ft	16.4 J	147 J	13.7 U	12.1 J	3.58 U	45.5 J	3.41 U	3.88 U
13B-0507-C2AS	0 - 0.5 ft	52.6 J	387	13.2 J	13.6 EMPC-J	6.16 U	115	5.79 U	6.62 U
13B-0507-C2BS	0.5 - 1.5 ft	5.66 U	15.1 EMPC-J	4.42 UJ	6.12 U	6.07 U	5.99 U	5.7 U	6.53 U
13B-0507-C2CS	1.5 - 2.5 ft	4.51 U	5.44 U	2.17 UJ	6.73 U	6.67 U	6.59 U	6.27 U	7.18 U
13B-0507-C2DS	2.5 - 3.5 ft	7.38 U	7.51 U	3.09 UJ	9.28 U	9.21 U	9.09 U	8.65 U	9.9 U
13B-0508-G3AS	0 - 0.5 ft	75.7	510	18 UJ	33.7	12.7 U	151	11.9 U	36
13B-0509-C1AS	0 - 0.5 ft	26700	169000 J	26200	10200	2400	60300 J	2210	9790
13B-0509-C1BS	0.5 - 1.5 ft	947	5890	372	377	94.9	2090	182	355
13B-0509-C1CS	1.5 - 2.5 ft	32.9 U	103	62.5 J	10.6 U	10 U	35	12.4 EMPC-J	10.9 U
13B-0509-C1ES	3.17 - 4.17 ft	36.9 U	43.7 U	38.5 J	12.1 U	11.5 U	11.2 U	10.7 U	12.5 U
13B-0510-C3AS	0 - 0.5 ft	9670	59100	716 J	3900	924	20600	983	3750

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	427	2760	51.2 J	173	36.2 J	966	50.9	140
13B-0511-C3AS	0 - 0.5 ft	5300 J	38200 J	2030 J	2300 J	457 J	11500 J	698 J	2240 J
13B-0511-C3BS	0.5 - 1.5 ft	5230	36800	2000 J	2080	451	11500	637	2090
13B-0511-C3CS	1.5 - 2.5 ft	13200	90500	4820 J	5490	1260	30800	1370	5900
13B-0511-C3HS	5.95 - 6.95 ft	5300	37900	1730 J	2340	412	13000	882	2250
13B-0512-G1AS	0 - 0.5 ft	3770 J	27900 J	1360 J	1670 J	312 J	8610 J	628 J	1440 J
13B-0513-G1AS	0 - 0.5 ft	23100 J	164000 J	6010 J	9890 J	2420 J	52200 J	1980 J	9000 J
13B-0514-G1AS	0 - 0.5 ft	4890 J	34100 J	1880 J	2010 J	413 J	10900 J	673 J	1860 J
13B-0515-C1AS	0 - 0.5 ft	1090	8570	262	507	94.7	2750	147	526
13B-0515-C1BS	0.5 - 1.71 ft	4.04 U	64.7 J	8.86 U	4.97 U	4.79 U	22.1 J	4.58 U	5.48 U
13B-0515-C2CS	1.5 - 2.19 ft	5.62 U	34.5 J	9.52 U	5.34 U	5.14 U	14.5 EMPC-J	4.92 U	5.89 U
13B-0516-C2AS	0 - 0.5 ft	4410 J	31700 J	1440 J	1840 J	366 J	10200 J	555 J	1810 J
13B-0516-C2BS	0.5 - 1.5 ft	8000 J	58700 J	5440 J	3380 J	655 J	19900 J	1120 J	3540 J
13B-0516-C2CS	1.5 - 2.5 ft	16300 J	121000 J	26500 J	7960 J	1390 J	42500 J	2530 J	7570 J
13B-0516-C2LS	10.4 - 11.4 ft	13700	91100	4710	6000	1160	36000	1960	7040
13B-0517-G2AS	0 - 0.5 ft	221	1440	39.8 J	85.4	15.6 J	420	23.1 J	82.8
13B-0518-G1AS	0 - 0.5 ft	935	6940	230 J	404	82.3	2090	115	360
13B-0518-G1AT	0 - 0.5 ft	1160	8380	350 J	504	97.9	2620	161	412
13B-0519-C2AS	0 - 0.5 ft	3850 J	29300 J	1100 J	1700 J	341 J	8940 J	469 J	1570 J
13B-0519-C2BS	0.5 - 1.5 ft	2950	25100	1800	1410	278	7720	5.27 U	1310
13B-0519-C2CS	1.5 - 2.5 ft	35500 J	230000 J	15800 J	14800 J	3180 J	82900 J	3330 J	15600 J
13B-0519-C2RS	16.1 - 17.1 ft	18 EMPC-J	135 J	10.9 U	9.12 U	8.52 U	36.7 J	7.92 U	10 U
13B-0520-G1AS	0 - 0.5 ft	4230 J	30700 J	1070 J	1790 J	369 J	9690 J	543 J	1590 J
13B-0521-C2AS	0 - 0.5 ft	489	3920	201	209	5.8 U	1090	77.6	207
13B-0521-C2BS	0.5 - 1.5 ft	285	2050	98.5	122	19.4 EMPC-J	612	35.2 J	114
13B-0521-C2CS	1.5 - 2.5 ft	834	6060	167	304	72.8	1760	93.2	331
13B-0521-C2HS	6.5 - 7.63 ft	85100 J	546000 J	13100 J	31900 J	7730 J	190000 J	6690 J	31900 J
13B-0522-G1AS	0 - 0.5 ft	5690 J	41800 J	1820 J	2420 J	448 J	13000 J	718 J	2250 J
13B-0522-G1AT	0 - 0.5 ft	5310 J	38800 J	1920 J	2240 J	457 J	12000 J	712 J	2030 J
13B-0523-G2AS	0 - 0.5 ft	5550 J	39800 J	2000 J	2280 J	461 J	12900 J	706 J	2170 J
13B-0524-C1AS	0 - 0.5 ft	5330 J	35600 J	1100 J	2040 J	452 J	12000 J	599 J	1840 J
13B-0524-C1BS	0.5 - 1.5 ft	6110	44000	1540	2360	536	15000	734	2170

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	8300	56700	2490	3270	697	19900	994	3060
13B-0524-C1GS	5.39 - 6.39 ft	20500	133000	17700	8290	1560	46500	2580	7430
13B-0525-C1AS	0 - 0.5 ft	5580 J	41600 J	1660 J	2360 J	495 J	12200 J	684 J	2050 J
13B-0525-C1BS	0.5 - 1.5 ft	6860 J	52500 J	1780 J	2910 J	573 J	15800 J	819 J	2550 J
13B-0525-C1CS	1.5 - 2.5 ft	9300 J	75600 J	2700 J	3990 J	796 J	23600 J	1330 J	3780 J
13B-0525-C1HS	6.42 - 7.42 ft	15500	92700	8370	5580	1200	28600	1310	4880
13B-0526-C1AS	0 - 0.5 ft	33700 J	213000 J	6650 J	13200 J	3280 J	78700 J	2750 J	14700 J
13B-0526-C1BS	0.5 - 1.5 ft	86200 J	508000 J	9500 J	32100 J	8270 J	192000 J	6580 J	35200 J
13B-0526-C1CS	1.5 - 2.5 ft	75600 J	440000 J	14900 J	27800 J	7380 J	168000 J	6440 J	31500 J
13B-0526-C1CT	1.5 - 2.5 ft	80800 J	502000 J	15600 J	30400 J	8440 J	188000 J	6600 J	36300 J
13B-0526-C1HS	6.5 - 7.62 ft	5820	35500	1220 J	2460	487	15200	642	2650
13B-0527-C2AS	0 - 0.5 ft	341	2830	113 EMPC-J	153	6.72 U	845	44.1 J	137
13B-0527-C2BS	0.5 - 1.5 ft	9.56 EMPC-J	128 J	5.13 U	4.97 U	4.83 U	22.8 EMPC-J	5.89 EMPC-J	5.06 U
13B-0527-C2CS	1.5 - 2.6 ft	4.09 U	12.4 EMPC-J	6.69 U	4.97 U	4.83 U	4.68 U	4.54 U	5.05 U
13B-0528-C3AS	0 - 0.5 ft	9650 J	65700 J	2870 J	3980 J	870 J	22100 J	1010 J	3650 J
13B-0528-C3BS	0.5 - 1.5 ft	92100 J	573000 J	12000 J	35600 J	9430 J	205000 J	7700 J	36000 J
13B-0528-C3CS	1.5 - 2.5 ft	27300 J	174000 J	1710 J	10600 J	2600 J	59300 J	2480 J	10100 J
13B-0528-C3LS	10.5 - 11.54 ft	53.2 EMPC-J	793	47.1 J	79.3	14.3 U	242	415	14.8 U
13B-0529-C2AS	0 - 0.5 ft	767	5840	326 J	335	91.7	2060	94.4 EMPC-J	337
13B-0529-C2BS	0.5 - 1.5 ft	126	856	41.7 J	57.6	6.87 EMPC-J	276	11.4 EMPC-J	39.5 EMPC-J
13B-0529-C2CS	1.5 - 2.5 ft	39.2	295	6.24 UJ	18.8 EMPC-J	7.02 U	84	6.41 U	18.8
13B-0529-C2ES	3.5 - 4.2 ft	7.03 U	14 EMPC-J	9.19 UJ	5.96 U	6.09 U	5.88 U	5.56 U	6.21 U
13B-0530-C1AS	0 - 0.5 ft	683	5000	497	302	47.6 EMPC-J	1500	88.3	253 EMPC-J
13B-0530-C1BS	0.5 - 1.5 ft	6810	49800	8680	2790	517	15700	862	2600
13B-0530-C1CS	1.5 - 1.8 ft	942	7720	4230	518	96.3	2560	171	438
13B-0531-C2AS	0 - 0.5 ft	457	2890	205	172	33.4 J	904	39.4 EMPC-J	153
13B-0531-C2AT	0 - 0.5 ft	705	4470	133 J	260	50.8	1280	62.7	220
13B-0531-C2BS	0.5 - 1.5 ft	596	4210	70.9 J	234	62.9	1590	60.4	298
13B-0531-C2CS	1.5 - 2.5 ft	37.5 J	187	6.59 U	3.8 U	3.58 U	48.8 EMPC-J	3.36 U	4.2 U
13B-0531-C2ES	3.5 - 4.42 ft	4.55 U	8.61 U	5.15 U	4.03 U	3.79 U	3.78 U	3.56 U	4.45 U
13B-0532-C1AS	0 - 0.5 ft	564	4370	423 J	247	56.8	1330	79	252
13B-0532-C1BS	0.5 - 1.5 ft	184	1250	85.1 EMPC-J	81.6	20.3 J	415	19.3 J	85.2

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	26 J	156	6.31 UJ	8.07 EMPC-J	5.93 U	43.9 EMPC-J	5.63 U	6.83 U
13B-0532-C1DS	2.5 - 3.73 ft	6.37 U	11.1 J	6.5 UJ	7.54 U	7.09 U	7.04 U	6.73 U	8.16 U
13B-0533-C2AS	0 - 0.5 ft	9010 J	61800 J	2090 J	3430 J	757 J	18500 J	892 J	3190 J
13B-0533-C2AT	0 - 0.5 ft	8100 J	52800 J	1870 J	3120 J	691 J	16600 J	841 J	3390 J
13B-0533-C2BS	0.5 - 1.5 ft	76300 J	456000 J	9800 J	29300 J	7130 J	163000 J	6170 J	31900 J
13B-0533-C2CS	1.5 - 2.5 ft	21800 J	135000 J	1440 J	8640 J	1780 J	48400 J	2400 J	9440 J
13B-0533-C2JS	8.5 - 9.62 ft	3040	13200	83.3 J	792	162	3840	363	647
13B-0533-C2JT	8.5 - 9.62 ft	2750	12600	83.2 J	749	148 EMPC-J	3670	356	710
13B-0534-C2AS	0 - 0.5 ft	38200 J	251000 J	10800 J	14400 J	3980 J	87900 J	3170 J	14400 J
13B-0534-C2AT	0 - 0.5 ft	35800 J	232000 J	10400 J	13200 J	3540 J	76800 J	2770 J	13000 J
13B-0534-C2BS	0.5 - 1.5 ft	17400	123000	2410 J	7000	1550	40900	1740	6800
13B-0534-C2CS	1.5 - 2.5 ft	5000	36000	312 J	1840	375	10500	739	1600
13B-0534-C2IS	7.5 - 8.59 ft	601	4820	42.3 J	245	43.8 EMPC-J	1310	151	208
13B-0535-C2AS	0 - 0.5 ft	6250 J	40900 J	1720 J	2330 J	460 J	12900 J	714 J	2580 J
13B-0535-C2BS	0.5 - 1.5 ft	108 EMPC-J	966	32 J	60.4	10.1 U	330	31.4 J	65.8
13B-0535-C2CS	1.5 - 2.45 ft	8.7 U	83.5 J	14.4 U	8.01 U	7.99 U	29.6 J	7.31 U	8.72 U
13B-0536-C1AS	0 - 0.5 ft	3260 J	22400 J	964 J	1360 J	269 J	6940 J	426 J	1220 J
13B-0536-C1BS	0.5 - 1.5 ft	88.1 J	493	16.2 J	30.4 EMPC-J	8.42 J	161	15.7 EMPC-J	24.9 J
13B-0536-C1CS	1.5 - 2.5 ft	22.3 J	109 J	48.3 J	8.76 J	3.02 U	41.3 J	10.6 J	8.34 J
13B-0536-C1FS	4.28 - 5.28 ft	7.55 U	29.9 U	59.9 J	4.13 U	4.04 U	9.9 EMPC-J	3.78 U	4.57 U
13B-0537-C3AS	0 - 0.5 ft	1300	7780	465	486	99.3	2540	144	447
13B-0538-C3AS	0 - 0.5 ft	77600 J	500000 J	24500 J	31200 J	8190 J	175000 J	6230 J	31000 J
13B-0538-C3BS	0.5 - 1.5 ft	79000 J	509000 J	21600 J	31700 J	8570 J	184000 J	6320 J	32700 J
13B-0538-C3CS	1.5 - 2.5 ft	60000 J	367000 J	18500 J	24100 J	6410 J	135000 J	4530 J	24800 J
13B-0538-C3ES	3.5 - 4.8 ft	9.07 U	36.8 U	15.6 J	8.29 U	8 U	16 U	7.63 U	8.97 U
13B-0539-C3AS	0 - 0.5 ft	12600 J	78500 J	2200	5020 J	874 J	28900 J	1240 J	4870 J
13B-0539-C3AT	0 - 0.5 ft	15900	109000	3100	7000	1180	41000	1760	7110
13B-0539-C3BS	0.5 - 1.5 ft	7830	46600	547	2950	589	15900	722	2620
13B-0539-C3CS	1.5 - 2.5 ft	2330	24100	194	1120	11.9 U	6700	687	927
13B-0539-C3HS	6.5 - 7.59 ft	8.94 U	10.7 EMPC-J	8.45 U	5.18 U	4.67 U	4.84 U	4.44 U	5.59 U
13B-0540-C4AS	0 - 0.5 ft	6030 J	41800 J	1330 J	2510 J	548 J	13600 J	713 J	2150 J
13B-0540-C4BS	0.5 - 1.5 ft	9650 J	62100 J	5690 J	4060 J	842 J	23300 J	1070 J	4140 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	59900 J	382000 J	27300 J	24200 J	5860 J	145000 J	5600 J	27400 J
13B-0540-C4LS	10.3 - 11.25 ft	12 U	25 EMPC-J	14.8 UJ	10.6 U	10.7 U	10.2 U	10 U	10.7 U
13B-0541-C1AS	0 - 0.5 ft	7670 J	50800 J	3160 J	3080 J	634 J	16800 J	768 J	3340 J
13B-0541-C1BS	0.5 - 1.5 ft	7080	43900	4730	2670	555	15100	653	3060
13B-0541-C1CS	1.5 - 2.5 ft	1970	13200	409	879	148	4770	237	844
13B-0541-C1FS	4.5 - 5.67 ft	10.5 U	15.3 EMPC-J	19.3 U	7.9 U	7.65 U	7.58 U	7.19 U	9.37 U
13B-0542-C2AS	0 - 0.5 ft	141 EMPC-J	1050	66.4 EMPC-J	63.1	14.5 J	346	44.1 J	52.8
13B-0542-C2BS	0.5 - 1.5 ft	12.2 U	30.9 J	12 U	6.31 U	6.29 U	6.03 U	5.76 U	6.88 U
13B-0542-C2CS	1.5 - 2.5 ft	14.3 U	15.9 J	19.2 J	8.49 U	8.46 U	8.1 U	7.74 U	9.24 U
13B-0542-C2HS	6.5 - 7.55 ft	7.5 U	7.87 EMPC-J	11.2 U	5.73 U	5.71 U	5.47 U	5.23 U	6.24 U
13B-0543-G1AS	0 - 0.5 ft	3740 J	25200 J	988 J	1550 J	307 J	8060 J	404 J	1400 J
13B-0544-C2AS	0 - 0.5 ft	3340 J	23200 J	785 J	1350 J	261 J	7600 J	372 J	1170 J
13B-0544-C2BS	0.5 - 1.5 ft	5940	36300	1070	2260	485	12000	609	2050
13B-0544-C2CS	1.5 - 2.5 ft	6950	51200	1800	2950	589	16700	1900	2800
13B-0544-C2ES	3 - 3.97 ft	2210	16400	2000	1020	187	5400	454	897
13B-0546-G2AS	0 - 0.5 ft	383	2830	181 J	138	22.8 EMPC-J	878	71.6	217
13B-0547-C2AS	0 - 0.5 ft	54600 J	329000 J	8590 J	21000 J	4710 J	117000 J	4480 J	20200 J
13B-0547-C2BS	0.5 - 1.5 ft	20500 J	134000 J	2910 J	8190 J	1700 J	47000 J	2290 J	7840 J
13B-0547-C2CS	1.5 - 2.05 ft	335	3280	59.8 J	237	33.3	1020	265	159
13B-0547-C2HS	6.5 - 7.15 ft	7.25 U	22.8	6.67 UJ	6.9 U	6.77 U	6.57 U	6.34 U	6.99 U
13B-0548-C1AS	0 - 0.5 ft	2310	16600	871	955	203	5360	257	981
13B-0548-C1BS	0.5 - 1.5 ft	3240	22600	671	1330	285	7420	329	1380
13B-0548-C1BT	0.5 - 1.5 ft	2630	18000	732	1100	225	5690	267	1020
13B-0548-C1CS	1.5 - 2.5 ft	4120	33000	4460	2050	354	10800	677 EMPC-J	1820
13B-0548-C1IS	7.5 - 8.79 ft	9.25 U	6.64 U	14.4 U	8.49 U	7.82 U	7.69 U	7.22 U	8.86 U
13B-0549-C3AS	0 - 0.5 ft	2560	19000	601	988	216	6070	296	1140
13B-0549-C3BS	0.5 - 1.5 ft	16.7 U	35.7 U	20.7 U	8.63 U	8.28 U	8.03 U	7.61 U	9.67 U
13B-0549-C3CS	1.5 - 2.65 ft	13.4 U	5.15 U	31.4 J	6.48 U	6.22 U	6.03 U	5.72 U	7.26 U
13B-0550-C3AS	0 - 0.5 ft	3520 J	21800 J	649 J	1260 J	287 J	6890 J	341 J	1220 J
13B-0550-C3BS	0.5 - 1.5 ft	801	5330	318 J	306	63.5	1710	85.7	269
13B-0550-C3CS	1.5 - 2.5 ft	3.94 U	19.7 U	2.97 UJ	3.1 U	3.12 U	5.69 EMPC-J	2.87 U	3.37 U
13B-0550-C3FS	4.5 - 5.37 ft	2.21 U	15.2 U	3.92 UJ	2.3 U	2.31 U	3.67 EMPC-J	2.13 U	2.5 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	2940	18600	699 J	1110	221	6340	296	1180
13B-0551-C2BS	0.5 - 0.88 ft	2230	14300	514 J	871	168	4880	220	940
13B-0552-C3AS	0 - 0.5 ft	5930 J	46100 J	1740 J	2540 J	519 J	14400 J	640 J	2510 J
13B-0552-C3BS	0.5 - 1.5 ft	11100	98400	9200	5260	978	31300	1650	5010
13B-0552-C3CS	1.5 - 2.38 ft	36300 J	321000 J	11300	17900 J	3730 J	103000 J	3420 J	18200 J
13B-0552-C3CT	1.5 - 2.38 ft	35300	246000	8030	14900	3160	83400	3030	14000
13B-0553-C2AS	0 - 0.5 ft	2390	16800	349 J	1060	204 EMPC-J	5150	253	964
13B-0553-C2BS	0.5 - 1.5 ft	50.9 J	498	13.9 J	44	6.35 U	141	102	16.3 EMPC-J
13B-0553-C2CS	1.5 - 2.5 ft	16.7 U	36 U	72.1 J	12.2 U	12 U	21.5 U	11.3 U	14 U
13B-0553-C2DS	2.5 - 3.5 ft	41.4 U	21.1 U	120 J	21.7 U	21.3 U	21.1 U	31.9 EMPC-J	24.9 U
13B-0554-C1AS	0 - 0.5 ft	1750	12000	429	674	139	3820	220	638
13B-0554-C1BS	0.5 - 1.5 ft	5070	37300	1470	2000	452	12200	580	2030
13B-0554-C1CS	1.5 - 2.5 ft	7020	44200	4010	2600	558	15300	665	2450
13B-0554-C1ES	3.5 - 4.7 ft	13.2 U	45.2 U	6.86 U	8.81 U	8.43 U	14.4	7.65 U	9.63 U
13B-0555-C1AS	0 - 0.5 ft	75000 J	486000 J	27200 J	30000 J	6910 J	171000 J	6680 J	32700 J
13B-0555-C1BS	0.5 - 1.22 ft	18800	115000	8850 J	8010	1490	40900	2040	7860
13B-0555-C2CS	1.5 - 2 ft	89500 J	571000 J	23700 J	35200 J	8590 J	203000 J	7810 J	38700 J
13B-0555-C2DS	2 - 3 ft	31900 J	197000 J	6120 J	12500 J	2840 J	70600 J	3030 J	13300 J
13B-0556-C2AS	0 - 0.5 ft	3870 J	29300 J	938 J	1470 J	352 J	9980 J	427 J	1630 J
13B-0556-C2BS	0.5 - 1.5 ft	4200	32100	926 J	1580	370	10700	522	1620
13B-0556-C2CS	1.5 - 2.38 ft	2800	18300	885 J	1020	219 EMPC-J	7150	323 EMPC-J	916
13B-0557-C2AS	0 - 0.5 ft	5550 J	34100 J	1330 J	2100 J	451 J	11200 J	495 J	1880 J
13B-0557-C2BS	0.5 - 1.5 ft	5040 J	33500 J	1160 J	2030 J	426 J	10500 J	526 J	1800 J
13B-0557-C2CS	1.5 - 2.5 ft	9180	64100	10900	4130	804	21200	1450	3700
13B-0557-C2ES	3.5 - 4.5 ft	10200	67000	5530	4370	916	22800	1320	4140
13B-0558-C2AS	0 - 0.5 ft	2830 J	20400 J	2150 J	1120 J	239 J	6680 J	338 J	1020 J
13B-0558-C2BS	0.5 - 1.5 ft	910	6860	1260 J	487	94.7	2360	682	345
13B-0558-C2CS	1.5 - 2.5 ft	40.2 EMPC-J	540	39.8 J	35.9	7.12 U	164	36.3	27.5
13B-0558-C2FS	4.5 - 5.75 ft	10 U	23.3 U	8.69 UJ	10.7 U	10.1 U	9.99 U	9.67 U	11.2 U
13B-0559-C3AS	0 - 0.5 ft	1800	13200	562	736	145 EMPC-J	3990	210	622
13B-0559-C3BS	0.5 - 1.5 ft	4780 J	31000 J	1840 J	1800 J	378 J	10400 J	488 J	1660 J
13B-0559-C3CS	1.5 - 2.5 ft	8260	55500	5240	3360	698	18400	976	2950

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	14200	93800	6760	6300	1320	32400	1770	5610
13B-0560-C1AS	0 - 0.5 ft	1100	7560	412 J	436	82.2 EMPC-J	2530	119	469
13B-0560-C1BS	0.5 - 1.5 ft	3430	24500	1620	1260	286	7800	391	1320
13B-0560-C1CS	1.5 - 2.5 ft	7150 J	44400 J	2650 J	2580 J	636 J	15500 J	621 J	2680 J
13B-0560-C1GS	5.14 - 5.86 ft	17.2 U	64.5 U	18.5 U	10.6 U	10.3 U	10.1 U	9.48 U	11.5 U
13B-0561-C1AS	0 - 0.5 ft	22200	159000	9620 J	10700	1740	54100	2980	8440
13B-0561-C1BS	0.5 - 1.5 ft	12000	84000	5550 J	5380	944	29300	1450	4550
13B-0561-C1CS	1.5 - 2.5 ft	5690	39200	6300 J	2460	461	13800	644	2220
13B-0561-C1GS	5.5 - 6.5 ft	17 U	10.6 U	19.3 U	12.8 U	12.2 U	12 U	11.5 U	13 U
13B-0562-G2AS	0 - 0.5 ft	3220	19900	294	1340	261	6360	243	1050
13B-0563-C2AS	0 - 0.5 ft	312	1940	98 J	115	27.1 J	625	29.3 J	128

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	467	2840	92.1 J	176	35.7 J	940	54.3	189
13B-0563-C2BS	0.5 - 1.1 ft	200	1150	65.4 J	63.5	13.6 J	375	22.4 J	69.7
13B-0563-C2CS	1.1 - 2.5 ft	59100 J	390000 J	36400 J	23200 J	5360 J	142000 J	7340 J	28500 J
13B-0563-C2IS	7.5 - 8.28 ft	1140	6480	137 J	403	92.8	2280	239	427
13B-0564-G2AS	0 - 0.5 ft	8750 J	56600 J	2380 J	3470 J	715 J	18700 J	899 J	3270 J
13B-0565-G1AS	0 - 0.5 ft	1280	8840	305	509	96.6	2660	130	485
13B-0566-G3AS	0 - 0.5 ft	955	6310	618	418	96.8	1970	103 EMPC-J	387
13B-0567-G2AS	0 - 0.5 ft	5710 J	39400 J	1870 J	2330 J	416 J	11800 J	678 J	1910 J
13B-0568-G2AS	0 - 0.5 ft	21100 J	121000 J	4810 J	7910 J	1470 J	43500 J	1970 J	7450 J
13B-0570-G3AS	0 - 0.5 ft	4570 J	29500 J	1080 J	1720 J	368 J	9770 J	418 J	1740 J
13B-0571-C3AS	0 - 0.5 ft	1770	12500	343	716	151	3840	170	662
13B-0571-C3BS	0.5 - 1.5 ft	1290	9330	192	518	105	2810	128	469
13B-0571-C3CS	1.5 - 2.5 ft	129	821	1.96 U	48.6	1.49 U	228	10.7 J	39.6 J
13B-0571-C3MS	11 - 12 ft	1.44 U	13.3 U	3.2 U	1.68 U	1.61 U	3.27 EMPC-J	1.46 U	1.77 U
13B-0572-C1AS	0 - 0.5 ft	204	1410	35.1 J	80.4 EMPC-J	18.1 J	418	27.8 EMPC-J	63.8
13B-0572-C1BS	0.5 - 1.5 ft	43.1 U	129 J	68.4 J	23.8 U	23.1 U	45.1 J	20.6 U	25.1 U
13B-0572-C1CS	1.5 - 2.27 ft	31.7 U	27.3 J	17.1 U	14.8 U	14.4 U	13.5 U	12.8 U	15.6 U
13B-0573-C2AS	0 - 0.5 ft	1410	10600	639 J	601	128	3260	151	627
13B-0573-C2BS	0.5 - 1.5 ft	789	5280	277 J	325	69.1	1590	71.2	279
13B-0573-C2CS	1.5 - 2.5 ft	4180	30400	2070 J	1950	424	9940	463	1710
13B-0573-C2DS	2.5 - 3.75 ft	16.2 U	187	16.5 U	11.5 U	10.9 U	61.3 EMPC-J	10.3 U	11.6 U
13B-0574-C2AS	0 - 0.5 ft	7030	43100	3320	2710	637	14800	829	2720
13B-0574-C2BS	0.5 - 1.5 ft	6580	39000	3100 J	2510	583	13800	562	2560
13B-0574-C2CS	1.5 - 2.5 ft	12600	77500	2740	4850	1160	26900	1150	5490
13B-0574-C2HS	6.4 - 7.4 ft	12700	84600	4220	5470	1130	29000	1440	5280
13B-0575-C4AS	0 - 0.5 ft	38400 J	275000 J	17400 J	15600 J	3420 J	90600 J	3090 J	15600 J
13B-0575-C4BS	0.5 - 1.5 ft	19200	138000	6110	8370	1770	49700	1680	8280
13B-0575-C4CS	1.5 - 2.5 ft	15 U	74.5 U	13.6 J	11 U	10.4 U	20.8 EMPC-J	9.67 U	11.7 U
13B-0575-C4FS	4.3 - 5.44 ft	7.43 U	20.1 U	5.46 U	6.56 U	6.23 U	6.15 U	5.77 U	7 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-128	PCB-129	PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.56	7.87	13.2	8.07	6.87	3.27	5.89	8.34
	Maximum Detect	92100	573000	36400	35600	9430	205000	7810	38700
	Mean of Detects	11700	69700	3700	4750	1200	25000	1190	4990
	St. Dev. of Detects	19800	121000	6170	7760	2020	44100	1700	8390
	CV of Detects	1.69	1.74	1.67	1.63	1.68	1.76	1.43	1.68
	% Detected	81.5	89.9	81.9	80.7	73.1	87.4	79.4	78.2
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	2140 J	15000 J	327 J	899 J	173 J	4920 J	236 J	761 J
13B-0578-C5AS	0 - 0.5 ft	305	2190	79.4 J	132	35.8 J	680	51.5	109
13B-0578-C5BS	0.5 - 1.5 ft	505	3520	85.9 J	220	48.8 J	1150	96.9	204
13B-0578-C5CS	1.5 - 2.5 ft	43.5 U	1110	43.4 U	119 EMPC-J	7.16 U	300	372	7.64 U
13B-0578-C5CT	1.5 - 2.5 ft	37.6 U	1220	11.8 U	135	6.01 U	325	398	6.41 U
13B-0578-C5GS	5.25 - 6.25 ft	16.5 EMPC-J	78.5 J	11.2 U	4.68 U	4.55 U	24.2 EMPC-J	4.17 U	4.85 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	5170	1660	1160	13200	450	4.78 UJ	450	2230
13B-0501-C1BS	0.5 - 1.5 ft	2570	968	211	6730	110	1.8 UJ	110	1030
13B-0501-C1CS	1.5 - 2.5 ft	11900	4780	1600	34000	702	3.87 UJ	702	5630
13B-0501-C1DS	2.5 - 3.07 ft	1100	427	132	2500	60.9 J	7.75 EMPC-J	60.9 J	416
13B-0502-C2AS	0 - 0.5 ft	2160	741	221 J	6040	94.6	17 U	94.6	1130
13B-0502-C2BS	0.5 - 1.5 ft	15100	5840	1020 J	37500	598	13.6 U	598	6850
13B-0502-C2CS	1.5 - 2.45 ft	68000	26800	6150 J	173000 J	3040	66.1 J	3040	32600
13B-0503-C1AS	0 - 0.5 ft	657	243	63.8 EMPC-J	1850	35.2	12.9 U	35.2	333
13B-0503-C1BS	0.5 - 1.5 ft	9.67 U	6.98 U	9.35 U	17.9 U	9.2 U	9.25 U	9.2 U	10.2 U
13B-0503-C1CS	1.5 - 2.5 ft	12 U	9.67 U	11.6 U	22.4 U	11.4 U	14.7 U	11.4 U	12.7 U
13B-0503-C1DS	2.5 - 2.5 ft	12.4 U	9.53 U	12 U	11.9 U	11.8 U	15.6 U	11.8 U	13.1 U
13B-0504-C4AS	0 - 0.5 ft	54500 J	20300 J	6710 J	161000 J	3010 J	121 J	3010 J	26400 J
13B-0504-C4BS	0.5 - 1.5 ft	51200 J	19800 J	6960 J	167000 J	3110 J	270 J	3110 J	26800 J
13B-0504-C4CS	1.5 - 2.5 ft	17800	6820	2880	60500	1150	296 J	1150	9320
13B-0504-C4KS	9.5 - 10.25 ft	137	45.4	29.2 J	404	10.6 EMPC-J	2.58 UJ	10.6 EMPC-J	55
13B-0505-C1AS	0 - 0.5 ft	12000 J	4320 J	1350 J	34800 J	620 J	12.3 UJ	620 J	6080 J
13B-0505-C1BS	0.5 - 1.5 ft	3680	1450	354	10200	184	18 U	184	1830
13B-0505-C1CS	1.5 - 2.5 ft	35900	13500	3480	88900	1570	21.1 EMPC-J	1570	16700
13B-0505-C1FS	4.5 - 5.2 ft	18.3 U	13.3 U	19 U	45.4 U	17.5 U	24.2 U	17.5 U	19 U
13B-0506-C2AS	0 - 0.5 ft	9300	3930	1670	35800	689	7.15 U	689	5710
13B-0506-C2BS	0.5 - 1.5 ft	948	351	47.3 J	1810	33 J	9.46 U	33 J	255
13B-0506-C2CS	1.5 - 2.5 ft	82 J	30.9 J	5 EMPC-J	147 J	3.1 U	11.8 U	3.1 U	20.4 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	132	52.5	5.27 U	387	5.34 U	3.52 UJ	5.34 U	69.9
13B-0507-C2BS	0.5 - 1.5 ft	5.41 U	4.66 U	5.19 U	15.1 EMPC-J	5.26 U	3.8 UJ	5.26 U	5.44 U
13B-0507-C2CS	1.5 - 2.5 ft	5.95 U	4.7 U	5.71 U	5.44 U	5.79 U	1.87 UJ	5.79 U	5.98 U
13B-0507-C2DS	2.5 - 3.5 ft	8.21 U	6.96 U	7.88 U	7.51 U	7.99 U	2.66 UJ	7.99 U	8.25 U
13B-0508-G3AS	0 - 0.5 ft	186	69	15.7 EMPC-J	510	14 J	15.5 UJ	14 J	100
13B-0509-C1AS	0 - 0.5 ft	53400	22500	7680 J	169000 J	2980	42.6 J	2980	31900
13B-0509-C1BS	0.5 - 1.5 ft	1990	773	259 J	5890	126	7.92 U	126	1110
13B-0509-C1CS	1.5 - 2.5 ft	50.7 EMPC-J	14.1 EMPC-J	9.36 U	103	8.72 U	9.7 J	8.72 U	20.2 EMPC-J
13B-0509-C1ES	3.17 - 4.17 ft	10.4 U	7.3 U	10.7 U	43.7 U	9.96 U	8.98 U	9.96 U	11.3 U
13B-0510-C3AS	0 - 0.5 ft	17100	7400	2920	59100	1260	14 J	1260	9370

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	890	379	132	2760	60.3 J	4.17 UJ	60.3 J	422
13B-0511-C3AS	0 - 0.5 ft	14000 J	5160 J	1420 J	38200 J	706 J	7.52 UJ	706 J	6780 J
13B-0511-C3BS	0.5 - 1.5 ft	14000	5160	1290	36800	663	5.99 U	663	6460
13B-0511-C3CS	1.5 - 2.5 ft	33900	12500	3550	90500	1660	27.8 J	1660	17000
13B-0511-C3HS	5.95 - 6.95 ft	15000	6240	1340	37900	787	20.9 J	787	6640
13B-0512-G1AS	0 - 0.5 ft	10800 J	3460 J	959 J	27900 J	588 J	4.93 J	588 J	4670 J
13B-0513-G1AS	0 - 0.5 ft	47500 J	18200 J	6570 J	164000 J	2610 J	30.6 UJ	2610 J	28600 J
13B-0514-G1AS	0 - 0.5 ft	12300 J	4140 J	1280 J	34100 J	628 J	7.77 J	628 J	5780 J
13B-0515-C1AS	0 - 0.5 ft	2860	1050	351 J	8570	150	7.55 U	150	1430
13B-0515-C1BS	0.5 - 1.71 ft	23.7 J	9.69 J	4.33 U	64.7 J	4.12 U	7.49 U	4.12 U	12.2 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	16.3 J	4.13 U	4.65 U	34.5 J	4.43 U	8.04 U	4.43 U	4.83 U
13B-0516-C2AS	0 - 0.5 ft	11900 J	4530 J	1110 J	31700 J	564 J	5.54 UJ	564 J	6270 J
13B-0516-C2BS	0.5 - 1.5 ft	24500 J	8600 J	1850 J	58700 J	1120 J	16.6 J	1120 J	11700 J
13B-0516-C2CS	1.5 - 2.5 ft	48900 J	16500 J	3580 J	121000 J	2420 J	61.6 J	2420 J	23400 J
13B-0516-C2LS	10.4 - 11.4 ft	35800	13600	3250	91100	2100	54.1 EMPC-J	2100	16400
13B-0517-G2AS	0 - 0.5 ft	485	192	54.4 EMPC-J	1440	25.1 J	8.56 U	25.1 J	242
13B-0518-G1AS	0 - 0.5 ft	2260	898	271	6940	114	5.55 UJ	114	1220
13B-0518-G1AT	0 - 0.5 ft	2730	1130	336	8380	143	3.42 UJ	143	1500
13B-0519-C2AS	0 - 0.5 ft	9870 J	3660 J	1080 J	29300 J	472 J	7.35 UJ	472 J	5320 J
13B-0519-C2BS	0.5 - 1.5 ft	9030	3410	865 J	25100	401	10.7 U	401	4590
13B-0519-C2CS	1.5 - 2.5 ft	77000 J	28100 J	10100 J	230000 J	4050 J	19.9 UJ	4050 J	41300 J
13B-0519-C2RS	16.1 - 17.1 ft	7.82 U	5.67 U	7.07 U	135 J	7.44 U	9.36 U	7.44 U	26.8 J
13B-0520-G1AS	0 - 0.5 ft	10900 J	3690 J	1220 J	30700 J	519 J	6.07 J	519 J	5450 J
13B-0521-C2AS	0 - 0.5 ft	1300	505	222 J	3920	110	12.8 U	110	665
13B-0521-C2BS	0.5 - 1.5 ft	662	259	71.1 J	2050	31.6 J	10 U	31.6 J	340
13B-0521-C2CS	1.5 - 2.5 ft	1970	707	205 J	6060	92.8 J	9.32 U	92.8 J	1100
13B-0521-C2HS	6.5 - 7.63 ft	170000 J	66800 J	22200 J	546000 J	9120 J	106 J	9120 J	96700 J
13B-0522-G1AS	0 - 0.5 ft	14800 J	5120 J	1660 J	41800 J	699 J	6.64 UJ	699 J	7690 J
13B-0522-G1AT	0 - 0.5 ft	12900 J	4650 J	1560 J	38800 J	669 J	7.45 UJ	669 J	6930 J
13B-0523-G2AS	0 - 0.5 ft	14300 J	5120 J	1610 J	39800 J	703 J	6.18 UJ	703 J	7370 J
13B-0524-C1AS	0 - 0.5 ft	13400 J	4630 J	1340 J	35600 J	656 J	9.9 UJ	656 J	6120 J
13B-0524-C1BS	0.5 - 1.5 ft	17200	6140	1600 J	44000	809	8.95 U	809	7810

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	22200	8240 J	2120 J	56700	1050	8.53 U	1050	10100
13B-0524-C1GS	5.39 - 6.39 ft	48400	17600	5440 J	133000	2380	22 U	2380	22300
13B-0525-C1AS	0 - 0.5 ft	14100 J	5340 J	1620 J	41600 J	710 J	10.4 UJ	710 J	7190 J
13B-0525-C1BS	0.5 - 1.5 ft	19000 J	7190 J	1800 J	52500 J	834 J	9.4 UJ	834 J	9600 J
13B-0525-C1CS	1.5 - 2.5 ft	27400 J	9790 J	1950 J	75600 J	1230 J	15.4 UJ	1230 J	14000 J
13B-0525-C1HS	6.42 - 7.42 ft	29100	11600	4110 J	92700	1570	9.87 U	1570	16200
13B-0526-C1AS	0 - 0.5 ft	77400 J	25800 J	9980 J	213000 J	4010 J	15.7 UJ	4010 J	41000 J
13B-0526-C1BS	0.5 - 1.5 ft	176000 J	63000 J	23100 J	508000 J	9430 J	60.6 J	9430 J	101000 J
13B-0526-C1CS	1.5 - 2.5 ft	159000 J	54600 J	18900 J	440000 J	8590 J	82.2 J	8590 J	88700 J
13B-0526-C1CT	1.5 - 2.5 ft	176000 J	58600 J	21300 J	502000 J	9680 J	84.1 J	9680 J	93200 J
13B-0526-C1HS	6.5 - 7.62 ft	12700	4820 J	1570	35500	776	11.4 UJ	776	5470
13B-0527-C2AS	0 - 0.5 ft	914	339	106 J	2830	44 J	6.82 U	44 J	492
13B-0527-C2BS	0.5 - 1.5 ft	30.7 J	8.83 EMPC-J	4.08 U	128 J	4.13 U	4.4 U	4.13 U	15.8 J
13B-0527-C2CS	1.5 - 2.6 ft	4.26 U	3.55 U	4.08 U	12.4 EMPC-J	4.13 U	5.74 U	4.13 U	4.46 U
13B-0528-C3AS	0 - 0.5 ft	22200 J	8280 J	2690 J	65700 J	1150 J	3.6 UJ	1150 J	12700 J
13B-0528-C3BS	0.5 - 1.5 ft	188000 J	73100 J	28400 J	573000 J	11100 J	84.9 J	11100 J	110000 J
13B-0528-C3CS	1.5 - 2.5 ft	51300 J	20200 J	8230 J	174000 J	3350 J	98.5 J	3350 J	31200 J
13B-0528-C3LS	10.5 - 11.54 ft	1860	407	12.1 U	793	39.3 EMPC-J	6.58 UJ	39.3 EMPC-J	221
13B-0529-C2AS	0 - 0.5 ft	2230	829	222	5840	112	5.61 UJ	112	1080
13B-0529-C2BS	0.5 - 1.5 ft	285	117	35.6	856	13.2 J	4.22 UJ	13.2 J	154
13B-0529-C2CS	1.5 - 2.5 ft	112	40.5	5.69 U	295	5.99 U	5.41 UJ	5.99 U	49.5
13B-0529-C2ES	3.5 - 4.2 ft	5.38 U	4.06 U	4.94 U	14 EMPC-J	5.2 U	7.96 UJ	5.2 U	5.44 U
13B-0530-C1AS	0 - 0.5 ft	1670	647	189 EMPC-J	5000	84.1 J	12.4 U	84.1 J	833
13B-0530-C1BS	0.5 - 1.5 ft	18400	7270	1730 J	49800	816	14.8 U	816	9500
13B-0530-C1CS	1.5 - 1.8 ft	2730	1230	301 J	7720	139	15.1 U	139	1350
13B-0531-C2AS	0 - 0.5 ft	913	391	104 J	2890	48.4 J	3.75 U	48.4 J	535
13B-0531-C2AT	0 - 0.5 ft	1170	432	190 J	4470	55.5 EMPC-J	4.56 U	55.5 EMPC-J	725
13B-0531-C2BS	0.5 - 1.5 ft	1690	766	160 J	4210	67.5 EMPC-J	3.57 U	67.5 EMPC-J	703
13B-0531-C2CS	1.5 - 2.5 ft	85.2 J	28.9 J	3 U	187	3.04 U	5.59 U	3.04 U	38.5 J
13B-0531-C2ES	3.5 - 4.42 ft	3.37 U	2.58 U	3.18 U	8.61 U	3.23 U	4.37 U	3.23 U	3.57 U
13B-0532-C1AS	0 - 0.5 ft	1440	580	173	4370	73.8 J	4.9 UJ	73.8 J	732
13B-0532-C1BS	0.5 - 1.5 ft	449	189	59.9	1250	23 EMPC-J	5.79 UJ	23 EMPC-J	234

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	83.6 J	34.7 J	6.92 EMPC-J	156	5.19 U	5.38 UJ	5.19 U	29.1 J
13B-0532-C1DS	2.5 - 3.73 ft	6.43 U	4.94 U	6.41 U	11.1 J	6.2 U	5.55 UJ	6.2 U	6.65 U
13B-0533-C2AS	0 - 0.5 ft	20000 J	7220 J	2440 J	61800 J	1000 J	8.97 UJ	1000 J	10400 J
13B-0533-C2AT	0 - 0.5 ft	18000 J	6560 J	1930 J	52800 J	908 J	7.71 UJ	908 J	9090 J
13B-0533-C2BS	0.5 - 1.5 ft	148000 J	58100 J	19900 J	456000 J	8510 J	75.2 J	8510 J	79900 J
13B-0533-C2CS	1.5 - 2.5 ft	45700 J	17400 J	5160 J	135000 J	2610 J	58.3 EMPC-J	2610 J	21900 J
13B-0533-C2JS	8.5 - 9.62 ft	6320	1780 J	593	13200	277	5.1 UJ	277	2530
13B-0533-C2JT	8.5 - 9.62 ft	6380	1820	559	12600	259	4.58 UJ	259	2510
13B-0534-C2AS	0 - 0.5 ft	75100 J	29400 J	11000 J	251000 J	4390 J	111 J	4390 J	46600 J
13B-0534-C2AT	0 - 0.5 ft	70100 J	29000 J	10800 J	232000 J	3840 J	115 J	3840 J	42200 J
13B-0534-C2BS	0.5 - 1.5 ft	40200	14500	5490	123000	2210	90.5 J	2210	20900
13B-0534-C2CS	1.5 - 2.5 ft	14800	4450 J	1460	36000	596	33.6 J	596	7160
13B-0534-C2IS	7.5 - 8.59 ft	3570	726	198	4820	79.9 J	4.97 UJ	79.9 J	1160
13B-0535-C2AS	0 - 0.5 ft	14800 J	5110 J	1630 J	40900 J	705 J	10.2 UJ	705 J	7000 J
13B-0535-C2BS	0.5 - 1.5 ft	403	135	40.2 J	966	8.61 U	16.9 U	8.61 U	192
13B-0535-C2CS	1.5 - 2.45 ft	31.6 J	10.8 J	6.42 U	83.5 J	6.81 U	12.3 U	6.81 U	7.05 U
13B-0536-C1AS	0 - 0.5 ft	8150 J	3040 J	840 J	22400 J	413 J	5.46 J	413 J	4010 J
13B-0536-C1BS	0.5 - 1.5 ft	186	67.7	29.6 J	493	14.6 J	1.79 U	14.6 J	84.9
13B-0536-C1CS	1.5 - 2.5 ft	60.8 J	16.3 J	7.14 J	109 J	4.19 EMPC-J	8.66 J	4.19 EMPC-J	21 J
13B-0536-C1FS	4.28 - 5.28 ft	14.5 U	3.9 U	3.44 U	29.9 U	3.43 U	9.71 J	3.43 U	6.04 EMPC-J
13B-0537-C3AS	0 - 0.5 ft	2680	1110	271 J	7780	132	6.13 U	132	1440
13B-0538-C3AS	0 - 0.5 ft	162000 J	60400 J	25300 J	500000 J	9180 J	54.8 UJ	9180 J	96900 J
13B-0538-C3BS	0.5 - 1.5 ft	169000 J	63100 J	25500 J	509000 J	9660 J	277 J	9660 J	103000 J
13B-0538-C3CS	1.5 - 2.5 ft	115000 J	45800 J	19900 J	367000 J	6900 J	46.3 J	6900 J	72200 J
13B-0538-C3ES	3.5 - 4.8 ft	11.9 U	6.27 U	7.04 U	36.8 U	6.9 U	7.2 UJ	6.9 U	7.34 U
13B-0539-C3AS	0 - 0.5 ft	28300 J	12200	3220 J	78500 J	1500 J	13.5 U	1500 J	13200 J
13B-0539-C3AT	0 - 0.5 ft	39500	15100	3870 J	109000	2030	35.3 J	2030	18800
13B-0539-C3BS	0.5 - 1.5 ft	18200	5860	1870 J	46600	891	11.4 U	891	8640
13B-0539-C3CS	1.5 - 2.5 ft	16600	4250	723 J	24100	392	9.26 U	392	6180
13B-0539-C3HS	6.5 - 7.59 ft	4.5 U	3.63 U	4.05 U	10.7 EMPC-J	4.19 U	7.13 U	4.19 U	4.54 U
13B-0540-C4AS	0 - 0.5 ft	14000 J	4530 J	1640 J	41800 J	775 J	8.98 UJ	775 J	7420 J
13B-0540-C4BS	0.5 - 1.5 ft	22400 J	8420 J	2580 J	62100 J	1270 J	21.2 J	1270 J	11200 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	147000 J	49500 J	16900 J	382000 J	7470 J	80.3 J	7470 J	70900 J
13B-0540-C4LS	10.3 - 11.25 ft	9.53 U	6.19 U	8.6 U	25 EMPC-J	9.11 U	12.7 UJ	9.11 U	9.54 U
13B-0541-C1AS	0 - 0.5 ft	16200 J	6290 J	2130 J	50800 J	865 J	16.4 UJ	865 J	8450 J
13B-0541-C1BS	0.5 - 1.5 ft	14300	6010	1770 J	43900	749	26 U	749	7330
13B-0541-C1CS	1.5 - 2.5 ft	4700	1820	436 J	13200	231	6.83 U	231	2220
13B-0541-C1FS	4.5 - 5.67 ft	6.95 U	5.7 U	6.8 U	15.3 EMPC-J	6.52 U	16.5 U	6.52 U	6.99 U
13B-0542-C2AS	0 - 0.5 ft	644	209	44.8 EMPC-J	1050	23.3 J	11.3 U	23.3 J	231
13B-0542-C2BS	0.5 - 1.5 ft	5.71 U	3.54 U	5.06 U	30.9 J	5.37 U	10.2 U	5.37 U	5.56 U
13B-0542-C2CS	1.5 - 2.5 ft	7.68 U	5.18 U	6.8 U	15.9 J	7.22 U	11.2 U	7.22 U	7.47 U
13B-0542-C2HS	6.5 - 7.55 ft	5.18 U	3.62 U	4.59 U	7.87 EMPC-J	4.87 U	9.55 U	4.87 U	5.05 U
13B-0543-G1AS	0 - 0.5 ft	8720 J	3230 J	914 J	25200 J	421 J	2.77 UJ	421 J	4530 J
13B-0544-C2AS	0 - 0.5 ft	8310 J	3240 J	721 J	23200 J	352 J	8.36 UJ	352 J	4540 J
13B-0544-C2BS	0.5 - 1.5 ft	12400	5230	1360 J	36300	611	11.3 U	611	6660
13B-0544-C2CS	1.5 - 2.5 ft	20200	7590	1260 J	51200	838	11.7 U	838	10500
13B-0544-C2ES	3 - 3.97 ft	7200	2660	476 J	16400	302	11.3 U	302	3270
13B-0546-G2AS	0 - 0.5 ft	1480	557	85 J	2830	37 J	8.88 UJ	37 J	542
13B-0547-C2AS	0 - 0.5 ft	101000 J	42200 J	15100 J	329000 J	6000 J	83.7 J	6000 J	58700 J
13B-0547-C2BS	0.5 - 1.5 ft	47700 J	18400 J	5270 J	134000 J	2450 J	48.3 J	2450 J	24000 J
13B-0547-C2CS	1.5 - 2.05 ft	2670	1430	126 J	3280	118	5.79 UJ	118	727
13B-0547-C2HS	6.5 - 7.15 ft	12.1	4.83 U	5.64 U	22.8	5.83 U	5.75 UJ	5.83 U	6.08 U
13B-0548-C1AS	0 - 0.5 ft	5440	1860	560 J	16600	258	7.01 U	258	2880
13B-0548-C1BS	0.5 - 1.5 ft	6730	2460	840 J	22600	382	9.89 U	382	3810
13B-0548-C1BT	0.5 - 1.5 ft	6030	1970	648 J	18000	283	14.1 U	283	2990
13B-0548-C1CS	1.5 - 2.5 ft	13100	4410	1040 J	33000	598	14.5 U	598	5940
13B-0548-C1IS	7.5 - 8.79 ft	7.04 U	4.76 U	7.58 U	6.64 U	6.66 U	12.1 U	6.66 U	7.09 U
13B-0549-C3AS	0 - 0.5 ft	6610	2170	540 J	19000	293	11.3 U	293	3360
13B-0549-C3BS	0.5 - 1.5 ft	7.28 U	4.36 U	6.83 U	35.7 U	6.88 U	17.5 U	6.88 U	7.55 U
13B-0549-C3CS	1.5 - 2.65 ft	5.46 U	3.9 U	5.13 U	5.15 U	5.17 U	11.2 U	5.17 U	5.67 U
13B-0550-C3AS	0 - 0.5 ft	7390 J	2670 J	903 J	21800 J	375 J	3.68 UJ	375 J	3820 J
13B-0550-C3BS	0.5 - 1.5 ft	1830	686	206	5330	88.7	2.72 UJ	88.7	882
13B-0550-C3CS	1.5 - 2.5 ft	6.39 EMPC-J	2.04 U	2.7 U	19.7 U	2.6 U	2.57 UJ	2.6 U	4.49 EMPC-J
13B-0550-C3FS	4.5 - 5.37 ft	4.39 EMPC-J	1.47 U	2 U	15.2 U	1.93 U	3.4 UJ	1.93 U	3.38 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	6470	2560	730 J	18600	333	6.83 UJ	333	3170
13B-0551-C2BS	0.5 - 0.88 ft	4960	1870	566 J	14300	235	6.15 UJ	235	2420
13B-0552-C3AS	0 - 0.5 ft	13900 J	5200 J	1680 J	46100 J	697 J	10.6 UJ	697 J	7460 J
13B-0552-C3BS	0.5 - 1.5 ft	33000	12200	2990 J	98400	1400	11.7 U	1400	17800
13B-0552-C3CS	1.5 - 2.38 ft	86600 J	35400 J	11900 J	321000 J	4630 J	43.2 U	4630 J	51800 J
13B-0552-C3CT	1.5 - 2.38 ft	74700	32100	10400 J	246000	3710	17.3 U	3710	44200
13B-0553-C2AS	0 - 0.5 ft	5070	1810	804	16800	325	11.7 UJ	325	2660
13B-0553-C2BS	0.5 - 1.5 ft	954	202	20.5 J	498	22.4 J	6.57 UJ	22.4 J	138
13B-0553-C2CS	1.5 - 2.5 ft	28.9 U	9.22 U	9.91 U	36 U	10.5 U	18.3 J	10.5 U	10.8 U
13B-0553-C2DS	2.5 - 3.5 ft	69.6 J	11.4 U	17.6 U	21.1 U	18.6 U	33.7 J	18.6 U	19.2 U
13B-0554-C1AS	0 - 0.5 ft	4100	1410	360 J	12000	192	4.73 U	192	2180
13B-0554-C1BS	0.5 - 1.5 ft	14100	4810	968 J	37300	648	8.41 U	648	6810
13B-0554-C1CS	1.5 - 2.5 ft	17100	6030	1370 J	44200	733	11.8 J	733	8560
13B-0554-C1ES	3.5 - 4.7 ft	15.7 EMPC-J	6.15 EMPC-J	6.97 U	45.2 U	7.26 U	5.79 U	7.26 U	7.82 U
13B-0555-C1AS	0 - 0.5 ft	171000 J	59000 J	20900 J	486000 J	9180 J	90.1 J	9180 J	87800 J
13B-0555-C1BS	0.5 - 1.22 ft	38100	14500	4760	115000	2350	34.8 J	2350	18000
13B-0555-C2CS	1.5 - 2 ft	202000 J	72400 J	25700 J	571000 J	10600 J	135 J	10600 J	107000 J
13B-0555-C2DS	2 - 3 ft	67400 J	24500 J	8580 J	197000 J	3890 J	52.5 J	3890 J	34500 J
13B-0556-C2AS	0 - 0.5 ft	10800 J	3980 J	1010 J	29300 J	459 J	5.04 UJ	459 J	5550 J
13B-0556-C2BS	0.5 - 1.5 ft	12000	4420	1200	32100	586	10.4 UJ	586	6200
13B-0556-C2CS	1.5 - 2.38 ft	7190	2600	723	18300	343	6.55 UJ	343	3770
13B-0557-C2AS	0 - 0.5 ft	10800 J	4150 J	1400 J	34100 J	621 J	5.95 UJ	621 J	6170 J
13B-0557-C2BS	0.5 - 1.5 ft	10400 J	3900 J	1370 J	33500 J	583 J	8.2 UJ	583 J	6220 J
13B-0557-C2CS	1.5 - 2.5 ft	22400	8130	2380	64100	1220	6.82 U	1220	11700
13B-0557-C2ES	3.5 - 4.5 ft	23900	8960	3010	67000	1370	6.88 U	1370	12200
13B-0558-C2AS	0 - 0.5 ft	6890 J	2540 J	724 J	20400 J	345 J	10.3 UJ	345 J	3580 J
13B-0558-C2BS	0.5 - 1.5 ft	5080	1290	273	6860	194	7.44 UJ	194	1320
13B-0558-C2CS	1.5 - 2.5 ft	492	91.6	18.6	540	6.32 U	7.68 UJ	6.32 U	151
13B-0558-C2FS	4.5 - 5.75 ft	9.15 U	6.8 U	8.98 U	23.3 U	8.93 U	7.52 UJ	8.93 U	9.63 U
13B-0559-C3AS	0 - 0.5 ft	4030	1590	446 J	13200	210	8.82 U	210	2350
13B-0559-C3BS	0.5 - 1.5 ft	10100 J	4070 J	1200 J	31000 J	522 J	9.42 UJ	522 J	5640 J
13B-0559-C3CS	1.5 - 2.5 ft	18000	6710	1960 J	55500	945	13 U	945	9990

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	30200	12100	4040 J	93800	1720	28.3 J	1720	15800
13B-0560-C1AS	0 - 0.5 ft	2670	992	303	7560	125	12.2 U	125	1380
13B-0560-C1BS	0.5 - 1.5 ft	8430	3050	983	24500	384	12.8 U	384	4530
13B-0560-C1CS	1.5 - 2.5 ft	13800 J	5510 J	2080 J	44400 J	798 J	18.5 UJ	798 J	7940 J
13B-0560-C1GS	5.14 - 5.86 ft	9.27 U	7.73 U	9.57 U	64.5 U	8.91 U	15.5 U	8.91 U	9.58 U
13B-0561-C1AS	0 - 0.5 ft	61100	23100	5510 J	159000	2810	12.8 U	2810	27900
13B-0561-C1BS	0.5 - 1.5 ft	31600	12500	3250 J	84000	1460	18.9 U	1460	14900
13B-0561-C1CS	1.5 - 2.5 ft	13900	5220	1760 J	39200	699	15.3 U	699	6460
13B-0561-C1GS	5.5 - 6.5 ft	11.1 U	9.96 U	11.2 U	10.6 U	10.5 U	16.2 U	10.5 U	11.4 U
13B-0562-G2AS	0 - 0.5 ft	4900	2110	945	19900	349	10.2 U	349	3110
13B-0563-C2AS	0 - 0.5 ft	652	268	85 J	1940	32.7 J	5.44 UJ	32.7 J	342

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139	PCB-14	PCB-140	PCB-141
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	4.39	6.15	5	7.87	4.19	4.93	4.19	3.38
	Maximum Detect	202000	73100	28400	573000	11100	296	11100	110000
	Mean of Detects	24500	9470	3390	69700	1460	65.7	1460	13600
	St. Dev. of Detects	41400	15500	5750	121000	2350	65.6	2350	23300
	CV of Detects	1.69	1.63	1.70	1.74	1.60	0.998	1.60	1.71
	% Detected	87.4	84.5	78.6	89.9	77.7	21.0	77.7	84.0
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	1080	400	105 J	2840	53.6 J	5.42 UJ	53.6 J	479
13B-0563-C2BS	0.5 - 1.1 ft	418	151	39.9 J	1150	19.1 J	5.72 UJ	19.1 J	202
13B-0563-C2CS	1.1 - 2.5 ft	159000 J	57000 J	15100 J	390000 J	7460 J	132 EMPC-J	7460 J	72500 J
13B-0563-C2IS	7.5 - 8.28 ft	2500	980	288 J	6480	154	4.85 UJ	154	974
13B-0564-G2AS	0 - 0.5 ft	19400 J	7120 J	2110 J	56600 J	937 J	11.4 UJ	937 J	10000 J
13B-0565-G1AS	0 - 0.5 ft	3010	1140	359	8840	142	11.3 U	142	1570
13B-0566-G3AS	0 - 0.5 ft	2030	878	295	6310	131	12.8 U	131	1020
13B-0567-G2AS	0 - 0.5 ft	13300 J	4740 J	1590 J	39400 J	677 J	6.98 UJ	677 J	7050 J
13B-0568-G2AS	0 - 0.5 ft	39200 J	16800 J	4890 J	121000 J	2300 J	55.6 J	2300 J	19800 J
13B-0570-G3AS	0 - 0.5 ft	9670 J	3520 J	1220 J	29500 J	471 J	3.31 UJ	471 J	5340 J
13B-0571-C3AS	0 - 0.5 ft	3800	1530	509 J	12500	194	1.78 U	194	2190
13B-0571-C3BS	0.5 - 1.5 ft	2910	1080	311 J	9330	136	1.9 U	136	1680
13B-0571-C3CS	1.5 - 2.5 ft	235	76.4	28.4 J	821	10.8 EMPC-J	1.65 U	10.8 EMPC-J	139
13B-0571-C3MS	11 - 12 ft	4.51 EMPC-J	1.11 U	1.49 U	13.3 U	1.36 U	2.68 U	1.36 U	1.52 U
13B-0572-C1AS	0 - 0.5 ft	560	189	58.6 J	1410	25.9 J	12.5 U	25.9 J	270
13B-0572-C1BS	0.5 - 1.5 ft	60.1 J	20.5 J	18.6 U	129 J	18.9 U	22.8 U	18.9 U	20.3 U
13B-0572-C1CS	1.5 - 2.27 ft	12.5 U	8.24 U	11.6 U	27.3 J	11.8 U	14.7 U	11.8 U	12.6 U
13B-0573-C2AS	0 - 0.5 ft	3520	1390	457 J	10600	179	13.6 U	179	1860
13B-0573-C2BS	0.5 - 1.5 ft	1480	536	221 J	5280	67.2 EMPC-J	15.4 U	67.2 EMPC-J	904
13B-0573-C2CS	1.5 - 2.5 ft	9090	3890	1370 J	30400	536	13.1 U	536	5110
13B-0573-C2DS	2.5 - 3.75 ft	50 EMPC-J	26.6 J	10 U	187	9.46 U	13.8 U	9.46 U	38.8 J
13B-0574-C2AS	0 - 0.5 ft	15200	5880	1850	43100	893	4.67 U	893	7830
13B-0574-C2BS	0.5 - 1.5 ft	12400	5360	1820	39000	735	5.92 U	735	6840
13B-0574-C2CS	1.5 - 2.5 ft	25100	10100	3590	77500	1530	6.08 U	1530	13500
13B-0574-C2HS	6.4 - 7.4 ft	30000	10900	3500	84600	1650	28.5 J	1650	15400
13B-0575-C4AS	0 - 0.5 ft	89000 J	34700 J	11300 J	275000 J	3690 J	25.4 UJ	3690 J	52600 J
13B-0575-C4BS	0.5 - 1.5 ft	46200	16800	6170 J	138000	2240	11.7 U	2240	25700
13B-0575-C4CS	1.5 - 2.5 ft	25.9 EMPC-J	10.5 J	9.93 U	74.5 U	8.83 U	7.64 U	8.83 U	10 U
13B-0575-C4FS	4.3 - 5.44 ft	5.81 U	3.87 U	5.93 U	20.1 U	5.27 U	4.53 U	5.27 U	5.98 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-135**	**PCB-136**	**PCB-137**	**PCB-138**	**PCB-139**	**PCB-14**	**PCB-140**	**PCB-141**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**4.39**	**6.15**	**5**	**7.87**	**4.19**	**4.93**	**4.19**	**3.38**
	Maximum Detect	**202000**	**73100**	**28400**	**573000**	**11100**	**296**	**11100**	**110000**
	Mean of Detects	**24500**	**9470**	**3390**	**69700**	**1460**	**65.7**	**1460**	**13600**
	St. Dev. of Detects	**41400**	**15500**	**5750**	**121000**	**2350**	**65.6**	**2350**	**23300**
	CV of Detects	**1.69**	**1.63**	**1.70**	**1.74**	**1.60**	**0.998**	**1.60**	**1.71**
	% Detected	**87.4**	**84.5**	**78.6**	**89.9**	**77.7**	**21.0**	**77.7**	**84.0**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	5250 J	1720 J	549 J	15000 J	220 J	9.84 UJ	220 J	2740 J
13B-0578-C5AS	0 - 0.5 ft	823	283	89.1 J	2190	42.4 J	7.73 U	42.4 J	369
13B-0578-C5BS	0.5 - 1.5 ft	1690	618	2.62 U	3520	73.5 J	3.91 U	73.5 J	657
13B-0578-C5CS	1.5 - 2.5 ft	2330	698	6.32 U	1110	6.09 U	36.5 U	6.09 U	6.81 U
13B-0578-C5CT	1.5 - 2.5 ft	2630	853	38.3 J	1220	68.8 J	9.9 U	68.8 J	367
13B-0578-C5GS	5.25 - 6.25 ft	27 J	3.04 U	4.01 U	78.5 J	3.86 U	9.4 U	3.86 U	4.32 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	6.81 U	6.41 U	523	4.71 U	2200	15900	250	15900
13B-0501-C1BS	0.5 - 1.5 ft	2.75 U	2.59 U	296	1.81 U	1270	6170	31.9 EMPC-J	6170
13B-0501-C1CS	1.5 - 2.5 ft	4.07 U	3.83 U	1560	2.78 U	5720	28800	134	28800
13B-0501-C1DS	2.5 - 3.07 ft	6.78 U	6.39 U	141	4.01 U	374	2490	6.11 U	2490
13B-0502-C2AS	0 - 0.5 ft	15.3 U	13 U	272	9.12 U	995	5020	18.3 EMPC-J	5020
13B-0502-C2BS	0.5 - 1.5 ft	16.1 U	85.8	1700	10.6 U	6580	36100	217	36100
13B-0502-C2CS	1.5 - 2.45 ft	44.3	251	8090	69.5	29500	161000 J	988	161000 J
13B-0503-C1AS	0 - 0.5 ft	10.9 U	9.26 U	88.9	6.79 U	310	1530	9.5 U	1530
13B-0503-C1BS	0.5 - 1.5 ft	10.8 U	9.18 U	9.4 U	6.78 U	9.47 U	14.1 U	9.41 U	14.1 U
13B-0503-C1CS	1.5 - 2.5 ft	13.4 U	11.4 U	11.7 U	9.38 U	11.8 U	22.1 U	11.7 U	22.1 U
13B-0503-C1DS	2.5 - 2.5 ft	13.9 U	11.8 U	12.1 U	9.25 U	12.2 U	12 U	12.1 U	12 U
13B-0504-C4AS	0 - 0.5 ft	15.4 UJ	1070 J	6780 J	66.9 J	24700 J	126000 J	392 J	126000 J
13B-0504-C4BS	0.5 - 1.5 ft	16.9 UJ	749 J	6990 J	65.8 J	23300 J	122000 J	315 J	122000 J
13B-0504-C4CS	1.5 - 2.5 ft	10.1 U	215	2350	24.2 J	8300	43800	133	43800
13B-0504-C4KS	9.5 - 10.25 ft	4.48 U	4.1 U	16.9 J	2.7 U	69.1	326	7.16 EMPC-J	326
13B-0505-C1AS	0 - 0.5 ft	10.3 UJ	9.45 UJ	1410 J	7.32 UJ	5540 J	29600 J	169 J	29600 J
13B-0505-C1BS	0.5 - 1.5 ft	11.7 U	11.1 U	436	7.65 U	1710	8880	43.5 J	8880
13B-0505-C1CS	1.5 - 2.5 ft	13.9 U	12.8 U	4170	8.9 U	15100	81500	457	81500
13B-0505-C1FS	4.5 - 5.2 ft	20.5 U	19.6 U	17.8 U	12.9 U	17.3 U	45.6 U	17.7 U	45.6 U
13B-0506-C2AS	0 - 0.5 ft	2.92 U	130	1410	16.9 J	4980	24100	94.3	24100
13B-0506-C2BS	0.5 - 1.5 ft	2.69 U	2.51 U	90.7	1.79 U	765	2110	41.1 J	2110
13B-0506-C2CS	1.5 - 2.5 ft	3.71 U	3.47 U	8.88 J	2.49 U	54.5	180	3.12 U	180
13B-0507-C2AS	0 - 0.5 ft	6.01 U	5.66 U	16.2 J	4.52 U	75.1	360	5.42 U	360
13B-0507-C2BS	0.5 - 1.5 ft	5.92 U	5.58 U	5.29 U	4.61 U	4.91 U	19.4 J	5.34 U	19.4 J
13B-0507-C2CS	1.5 - 2.5 ft	6.51 U	6.13 U	5.82 U	4.66 U	5.4 U	5.81 U	5.87 U	5.81 U
13B-0507-C2DS	2.5 - 3.5 ft	8.99 U	8.47 U	8.03 U	6.89 U	7.45 U	8.02 U	8.1 U	8.02 U
13B-0508-G3AS	0 - 0.5 ft	12.5 U	11 U	31.5	8.39 U	80.9	440	11.2 U	440
13B-0509-C1AS	0 - 0.5 ft	55.7	492	7760	66.2 EMPC-J	21500	131000 J	197	131000 J
13B-0509-C1BS	0.5 - 1.5 ft	8.02 U	27	297	5.22 U	919	4930	47.4	4930
13B-0509-C1CS	1.5 - 2.5 ft	9.83 U	9.56 U	9.08 U	5.39 U	31.2 EMPC-J	80.9 EMPC-J	8.89 U	80.9 EMPC-J
13B-0509-C1ES	3.17 - 4.17 ft	11.2 U	10.9 U	10.4 U	7.24 U	9.78 U	28.7 U	10.2 U	28.7 U
13B-0510-C3AS	0 - 0.5 ft	16.7 EMPC-J	2.24 U	2340	29.7	8620	42800	183	42800

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	3.37 U	16.9 J	100	2.19 U	452	2280	9.96 EMPC-J	2280
13B-0511-C3AS	0 - 0.5 ft	3.87 UJ	114 J	1750 J	14.5 J	6440 J	33600 J	178 J	33600 J
13B-0511-C3BS	0.5 - 1.5 ft	3.55 U	135	1730	13.6 J	6050	33100	147	33100
13B-0511-C3CS	1.5 - 2.5 ft	4.13 U	304	4560	40.6 J	13700	76200	196	76200
13B-0511-C3HS	5.95 - 6.95 ft	3.91 U	127	1600	15.2 EMPC-J	7410	35900	213	35900
13B-0512-G1AS	0 - 0.5 ft	2.58 UJ	116 J	1200 J	9.29 J	5390 J	24500 J	168 J	24500 J
13B-0513-G1AS	0 - 0.5 ft	17.6 UJ	465 J	7010 J	53.8 J	19500 J	117000 J	217 J	117000 J
13B-0514-G1AS	0 - 0.5 ft	2.24 UJ	108 J	1530 J	11.9 J	5660 J	28900 J	168 J	28900 J
13B-0515-C1AS	0 - 0.5 ft	6.2 U	5.35 U	354	4.14 U	1340	6870	31.6 J	6870
13B-0515-C1BS	0.5 - 1.71 ft	4.84 U	4.18 U	4.22 U	3.44 U	8.9 J	53.5 J	4.28 U	53.5 J
13B-0515-C2CS	1.5 - 2.19 ft	5.2 U	4.49 U	4.54 U	3.98 U	4.51 U	29.9 EMPC-J	4.59 U	29.9 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	4.5 UJ	117 J	1460 J	12.7 J	5190 J	28500 J	121 J	28500 J
13B-0516-C2BS	0.5 - 1.5 ft	3.77 UJ	190 J	2920 J	19.2 EMPC-J	10400 J	55900 J	261 J	55900 J
13B-0516-C2CS	1.5 - 2.5 ft	36.9 EMPC-J	436 J	5700 J	49 J	23000 J	102000 J	460 J	102000 J
13B-0516-C2LS	10.4 - 11.4 ft	4.52 U	240	3920	40.3 EMPC-J	16500	78500	314	78500
13B-0517-G2AS	0 - 0.5 ft	4.47 U	4.09 U	65.7	3.05 U	228	1190	3.78 U	1190
13B-0518-G1AS	0 - 0.5 ft	6.08 U	5.86 U	279	4.53 U	1010	5500	22.6 EMPC-J	5500
13B-0518-G1AT	0 - 0.5 ft	5.25 U	19 EMPC-J	366	3.85 U	1230	6470	38.8 J	6470
13B-0519-C2AS	0 - 0.5 ft	5.76 UJ	59.5 J	1240 J	3.6 UJ	4650 J	24200 J	100 J	24200 J
13B-0519-C2BS	0.5 - 1.5 ft	5.79 U	5.31 U	1100	3.88 U	4120	22500	111	22500
13B-0519-C2CS	1.5 - 2.5 ft	91.7 J	13 UJ	10300 J	7.89 UJ	33200 J	179000 J	364 J	179000 J
13B-0519-C2RS	16.1 - 17.1 ft	8.7 U	7.98 U	7.64 U	5.48 U	16.3 J	95.9 J	7.37 U	95.9 J
13B-0520-G1AS	0 - 0.5 ft	8.33 UJ	81.1 J	1390 J	5.14 UJ	4800 J	25200 J	120 J	25200 J
13B-0521-C2AS	0 - 0.5 ft	5.73 U	5.23 U	170	3.79 U	647	3610	35.1 J	3610
13B-0521-C2BS	0.5 - 1.5 ft	3.95 U	3.61 U	80.1	2.56 U	304	1610	9.07 J	1610
13B-0521-C2CS	1.5 - 2.5 ft	5.42 U	4.95 U	253	3.55 U	895	4670	4.73 U	4670
13B-0521-C2HS	6.5 - 7.63 ft	201 J	12.2 UJ	24400 J	7.88 UJ	68900 J	411000 J	427 EMPC-J	411000 J
13B-0522-G1AS	0 - 0.5 ft	7.34 UJ	122 J	1920 J	9.98 EMPC-J	6590 J	34800 J	174 J	34800 J
13B-0522-G1AT	0 - 0.5 ft	12.6 UJ	113 J	1530 J	12.9 EMPC-J	6030 J	32600 J	182 J	32600 J
13B-0523-G2AS	0 - 0.5 ft	3.85 UJ	3.67 UJ	1720 J	11.6 EMPC-J	6610 J	35600 J	191 J	35600 J
13B-0524-C1AS	0 - 0.5 ft	10.5 UJ	135 J	1650 J	6.14 UJ	5410 J	31600 J	149 J	31600 J
13B-0524-C1BS	0.5 - 1.5 ft	10.7 U	210	2240	5.86 U	6960	41600	199	41600

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	11.1 U	10.6 U	2700	6.22 U	9120	56800	276	56800
13B-0524-C1GS	5.39 - 6.39 ft	15.5 U	14.8 U	5800	41.3 EMPC-J	22600	112000	425	112000
13B-0525-C1AS	0 - 0.5 ft	10.8 UJ	109 J	1800 J	12.3 J	6360 J	33600 J	167 J	33600 J
13B-0525-C1BS	0.5 - 1.5 ft	12.7 J	162 J	2440 J	14.3 EMPC-J	8110 J	45600 J	193 J	45600 J
13B-0525-C1CS	1.5 - 2.5 ft	7.07 UJ	236 J	3330 J	25.8 J	12900 J	67300 J	287 J	67300 J
13B-0525-C1HS	6.42 - 7.42 ft	24.3 EMPC-J	207	3880	26.6 EMPC-J	13000	68400	202	68400
13B-0526-C1AS	0 - 0.5 ft	26.5 UJ	712 J	11000 J	78.5 J	27800 J	161000 J	197 J	161000 J
13B-0526-C1BS	0.5 - 1.5 ft	30.5 UJ	1340 J	26400 J	200 J	69400 J	391000 J	452 J	391000 J
13B-0526-C1CS	1.5 - 2.5 ft	21.2 UJ	1870 J	22700 J	177 J	63300 J	365000 J	521 J	365000 J
13B-0526-C1CT	1.5 - 2.5 ft	167 J	1290 J	26600 J	183 J	69000 J	416000 J	474 J	416000 J
13B-0526-C1HS	6.5 - 7.62 ft	14.4 U	69.8	1250	18.1 J	5980	29000	84.1	29000
13B-0527-C2AS	0 - 0.5 ft	6.67 U	6.3 U	118	4.63 U	420	2280	5.8 U	2280
13B-0527-C2BS	0.5 - 1.5 ft	4.8 U	4.53 U	4.24 U	3.51 U	13.7 EMPC-J	170	4.17 U	170
13B-0527-C2CS	1.5 - 2.6 ft	4.8 U	4.53 U	4.24 U	3.48 U	3.93 U	14.5 J	4.17 U	14.5 J
13B-0528-C3AS	0 - 0.5 ft	19.7 J	127 J	3060 J	23.5 J	8910 J	51100 J	169 J	51100 J
13B-0528-C3BS	0.5 - 1.5 ft	199 J	19.6 UJ	27500 J	266 J	73500 J	414000 J	594 J	414000 J
13B-0528-C3CS	1.5 - 2.5 ft	20.9 UJ	20.2 UJ	7590 J	57 EMPC-J	21600 J	121000 J	291 J	121000 J
13B-0528-C3LS	10.5 - 11.54 ft	14.1 U	13.6 U	59.4	9.1 U	2050	2780	164	2780
13B-0529-C2AS	0 - 0.5 ft	7.54 U	17 EMPC-J	290	4.71 U	798	5220	21.7	5220
13B-0529-C2BS	0.5 - 1.5 ft	4.66 U	4.52 U	31.5 EMPC-J	3.08 U	133	699	4.11 U	699
13B-0529-C2CS	1.5 - 2.5 ft	6.82 U	6.62 U	13.3 EMPC-J	4.49 U	54.1	281	6.03 U	281
13B-0529-C2ES	3.5 - 4.2 ft	5.92 U	5.74 U	5.23 U	3.85 U	15.7 EMPC-J	34.8	5.23 U	34.8
13B-0530-C1AS	0 - 0.5 ft	12.9 U	16.5 J	219	8.37 U	802	3960	11.1 U	3960
13B-0530-C1BS	0.5 - 1.5 ft	12.9 U	11.8 U	2310	8.25 U	8500	43800	163	43800
13B-0530-C1CS	1.5 - 1.8 ft	12.9 U	11.8 U	349	9.36 U	1430	7020	30.9 J	7020
13B-0531-C2AS	0 - 0.5 ft	3.44 U	3.12 U	130	2.56 U	425	2320	2.99 U	2320
13B-0531-C2AT	0 - 0.5 ft	3.78 U	3.43 U	152	2.64 U	518	2740	14.7 J	2740
13B-0531-C2BS	0.5 - 1.5 ft	3.34 U	3.03 U	202	2.39 U	619	4050	2.9 U	4050
13B-0531-C2CS	1.5 - 2.5 ft	3.65 U	3.13 U	10.7 J	2.38 U	35 J	178	3.04 U	178
13B-0531-C2ES	3.5 - 4.42 ft	3.87 U	3.32 U	3.33 U	2.47 U	3.16 U	7.81 U	3.22 U	7.81 U
13B-0532-C1AS	0 - 0.5 ft	5.82 U	5.18 U	179	4.14 U	628	3510	18.9 J	3510
13B-0532-C1BS	0.5 - 1.5 ft	8.45 U	7.53 U	49.6 EMPC-J	5.99 U	193	1060	7.27 U	1060

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-142**	**PCB-143**	**PCB-144**	**PCB-145**	**PCB-146**	**PCB-147**	**PCB-148**	**PCB-149**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**8.16**	**3.41**	**6.51**	**6.57**	**3.98**	**14.2**	**5.14**	**14.2**
	Maximum Detect	**201**	**1870**	**27600**	**266**	**77900**	**439000**	**1140**	**439000**
	Mean of Detects	**83.4**	**336**	**3610**	**57.5**	**10500**	**55000**	**178**	**55000**
	St. Dev. of Detects	**67.5**	**445**	**6150**	**66.3**	**16400**	**91600**	**165**	**91600**
	CV of Detects	**0.809**	**1.32**	**1.70**	**1.15**	**1.57**	**1.67**	**0.929**	**1.67**
	% Detected	**12.2**	**37.8**	**80.7**	**34.5**	**85.7**	**89.1**	**71.4**	**89.1**
Sample ID	**Depth Interval**								
13B-0532-C1CS	1.5 - 2.5 ft	6.02 U	5.36 U	5.28 U	4.2 U	38.2 EMPC-J	205	5.18 U	205
13B-0532-C1DS	2.5 - 3.73 ft	7.19 U	6.4 U	6.31 U	4.81 U	6.13 U	6.31 U	6.19 U	6.31 U
13B-0533-C2AS	0 - 0.5 ft	8.1 UJ	166 J	2660 J	24.6 J	9030 J	47400 J	165 J	47400 J
13B-0533-C2AT	0 - 0.5 ft	5.06 UJ	4.4 UJ	2340 J	20.3 J	8120 J	42700 J	173 J	42700 J
13B-0533-C2BS	0.5 - 1.5 ft	15.6 UJ	1570 J	21300 J	7.96 UJ	64700 J	348000 J	485 J	348000 J
13B-0533-C2CS	1.5 - 2.5 ft	12.8 UJ	11.1 UJ	5680 J	52 J	22400 J	106000 J	331 J	106000 J
13B-0533-C2JS	8.5 - 9.62 ft	10.8 J	54.2	760	5.05 U	3080	13100	139	13100
13B-0533-C2JT	8.5 - 9.62 ft	7.45 U	6.48 U	779	3.96 U	3020	12900	119	12900
13B-0534-C2AS	0 - 0.5 ft	80.4 J	589 J	11500 J	104 J	30500 J	178000 J	233 J	178000 J
13B-0534-C2AT	0 - 0.5 ft	74.2 J	456 J	10100 J	103 J	26900 J	156000 J	218 J	156000 J
13B-0534-C2BS	0.5 - 1.5 ft	16.5 U	272 EMPC-J	4830	51.2	16700	89800	212	89800
13B-0534-C2CS	1.5 - 2.5 ft	14.1 U	60.2	1710	11 EMPC-J	5860	30000	192	30000
13B-0534-C2IS	7.5 - 8.59 ft	6.7 U	35.7 J	353	6.57 EMPC-J	1080	6060	56.8	6060
13B-0535-C2AS	0 - 0.5 ft	9.61 UJ	9.11 UJ	1830 J	5.29 UJ	6210 J	35500 J	182 J	35500 J
13B-0535-C2BS	0.5 - 1.5 ft	10.4 U	9.83 U	54.9	7.05 U	184	939	8.8 U	939
13B-0535-C2CS	1.5 - 2.45 ft	7.78 U	7.1 U	7.01 U	5.12 U	17 EMPC-J	69.5 J	6.83 U	69.5 J
13B-0536-C1AS	0 - 0.5 ft	2.49 UJ	69.6 J	1010 J	8.11 J	3860 J	19500 J	119 J	19500 J
13B-0536-C1BS	0.5 - 1.5 ft	2.77 U	3.41 J	24.7 J	1.86 U	97.2	443	5.14 J	443
13B-0536-C1CS	1.5 - 2.5 ft	3.02 U	2.77 U	6.51 J	1.6 U	38.5 J	113	2.72 U	113
13B-0536-C1FS	4.28 - 5.28 ft	4.04 U	3.71 U	3.56 U	2.06 U	4.48 EMPC-J	30.7 U	3.64 U	30.7 U
13B-0537-C3AS	0 - 0.5 ft	3.9 U	3.51 U	343	2.76 U	1190	6460	44.4	6460
13B-0538-C3AS	0 - 0.5 ft	178 EMPC-J	1150 J	25300 J	229 J	56300 J	328000 J	336 J	328000 J
13B-0538-C3BS	0.5 - 1.5 ft	156 J	1780 J	27200 J	216 J	60800 J	357000 J	309 J	357000 J
13B-0538-C3CS	1.5 - 2.5 ft	154 J	983 J	18600 J	184 J	42600 J	254000 J	205 J	254000 J
13B-0538-C3ES	3.5 - 4.8 ft	8.07 U	7.2 U	6.99 U	5.18 U	6.62 U	29.8 U	7.05 U	29.8 U
13B-0539-C3AS	0 - 0.5 ft	7.17 UJ	6.33 UJ	3080 J	4.7 U	12800 J	68300 J	202 J	68300 J
13B-0539-C3AT	0 - 0.5 ft	7.38 U	6.52 U	4210	4.11 U	17200	95300	265	95300
13B-0539-C3BS	0.5 - 1.5 ft	14.8 U	13 U	2220	6.8 U	6680	42600	150	42600
13B-0539-C3CS	1.5 - 2.5 ft	12.6 U	122	1650	7.41 U	5140	33100	267	33100
13B-0539-C3HS	6.5 - 7.59 ft	4.94 U	4.36 U	4.23 U	3.46 U	3.98 U	14.2 J	4.25 U	14.2 J
13B-0540-C4AS	0 - 0.5 ft	10.2 UJ	140 J	1850 J	14.8 J	5980 J	33400 J	146 J	33400 J
13B-0540-C4BS	0.5 - 1.5 ft	25.8 J	130 J	2840 J	26.1 EMPC-J	10200 J	51400 J	178 J	51400 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	163 J	1290 J	20500 J	168 J	55100 J	286000 J	455 J	286000 J
13B-0540-C4LS	10.3 - 11.25 ft	10.6 U	10.2 U	9.41 U	6.12 U	8.66 U	25.6 J	9.24 U	25.6 J
13B-0541-C1AS	0 - 0.5 ft	15.2 J	11 UJ	2150 J	17.7 J	7250 J	39500 J	88.8 J	39500 J
13B-0541-C1BS	0.5 - 1.5 ft	12.8 U	12.1 U	1810	18.8 EMPC-J	6320	34400	67.4	34400
13B-0541-C1CS	1.5 - 2.5 ft	5.33 U	4.57 U	491	3.4 U	2250	10700	28.5 EMPC-J	10700
13B-0541-C1FS	4.5 - 5.67 ft	7.85 U	7.44 U	6.78 U	5.54 U	6.65 U	22.8 J	6.66 U	22.8 J
13B-0542-C2AS	0 - 0.5 ft	8.46 U	7.72 U	69.7	4.69 U	302	1360	23.2 J	1360
13B-0542-C2BS	0.5 - 1.5 ft	6.13 U	5.59 U	5.52 U	3.4 U	5.49 U	16.3 EMPC-J	5.38 U	16.3 EMPC-J
13B-0542-C2CS	1.5 - 2.5 ft	8.25 U	7.52 U	7.42 U	4.98 U	7.38 U	7.27 U	7.23 U	7.27 U
13B-0542-C2HS	6.5 - 7.55 ft	5.57 U	5.08 U	5.01 U	3.48 U	4.98 U	4.91 U	4.88 U	4.91 U
13B-0543-G1AS	0 - 0.5 ft	3.4 UJ	87.9 J	1110 J	10.6 J	4010 J	20700 J	76.3 J	20700 J
13B-0544-C2AS	0 - 0.5 ft	5.08 UJ	50.5 J	1060 J	3.44 UJ	3730 J	20200 J	68.5 J	20200 J
13B-0544-C2BS	0.5 - 1.5 ft	7.3 U	6.56 U	1590	14.7 EMPC-J	5690	30000	87.7	30000
13B-0544-C2CS	1.5 - 2.5 ft	10.6 U	9.56 U	2580	6.72 U	9860	47800	428	47800
13B-0544-C2ES	3 - 3.97 ft	6.08 U	5.47 U	756	4.27 U	3930	15100	148	15100
13B-0546-G2AS	0 - 0.5 ft	5.92 U	5.05 U	138	4.08 U	442	3500	73.6	3500
13B-0547-C2AS	0 - 0.5 ft	11.8 UJ	10.9 UJ	14400 J	151 J	45500 J	242000 J	392 J	242000 J
13B-0547-C2BS	0.5 - 1.5 ft	17.5 UJ	16.2 UJ	5630 J	54.4 J	22100 J	108000 J	371 J	108000 J
13B-0547-C2CS	1.5 - 2.05 ft	12.6 U	26.4 EMPC-J	215	7.93 U	2110	7550	197	7550
13B-0547-C2HS	6.5 - 7.15 ft	6.64 U	6.46 U	5.99 U	4.74 U	5.98 U	22.3	5.93 U	22.3
13B-0548-C1AS	0 - 0.5 ft	5.49 U	4.69 U	685	3.14 U	2280	13300	53.8	13300
13B-0548-C1BS	0.5 - 1.5 ft	6.15 U	5.26 U	883	3.7 U	3020	17000	51.6	17000
13B-0548-C1BT	0.5 - 1.5 ft	8.04 U	7.07 U	739	4.63 U	2670	14500	44.4 J	14500
13B-0548-C1CS	1.5 - 2.5 ft	9.64 U	8.48 U	1490	5.85 U	6290	30800	179	30800
13B-0548-C1IS	7.5 - 8.79 ft	7.86 U	6.91 U	6.84 U	4.77 U	6.88 U	6.82 U	6.65 U	6.82 U
13B-0549-C3AS	0 - 0.5 ft	6.46 U	5.53 U	834	3.6 U	2730	15900	62	15900
13B-0549-C3BS	0.5 - 1.5 ft	8.22 U	7.03 U	7.1 U	4.27 U	6.91 U	31.9 U	7.16 U	31.9 U
13B-0549-C3CS	1.5 - 2.65 ft	6.17 U	5.28 U	5.33 U	3.83 U	5.19 U	5.28 U	5.38 U	5.28 U
13B-0550-C3AS	0 - 0.5 ft	3.71 UJ	3.4 UJ	947 J	8.94 J	3210 J	17600 J	61.2 J	17600 J
13B-0550-C3BS	0.5 - 1.5 ft	2.69 U	27.2	231	1.61 U	822	4450	12.4 J	4450
13B-0550-C3CS	1.5 - 2.5 ft	3.05 U	2.79 U	2.66 U	1.99 U	3.98 J	15.1 U	2.69 U	15.1 U
13B-0550-C3FS	4.5 - 5.37 ft	2.26 U	2.07 U	1.98 U	1.44 U	1.97 U	12.2 U	2 U	12.2 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	5.09 U	4.34 U	815	3.4 U	2890	15500	47.3	15500
13B-0551-C2BS	0.5 - 0.88 ft	4.03 U	3.43 U	558	2.6 U	2310	11600	30.5 J	11600
13B-0552-C3AS	0 - 0.5 ft	8.22 UJ	147 J	1800 J	5.4 UJ	6260 J	34700 J	114 J	34700 J
13B-0552-C3BS	0.5 - 1.5 ft	14.4 U	163	4390	26.9 J	15100	78700	288	78700
13B-0552-C3CS	1.5 - 2.38 ft	53.4 UJ	1090 J	12000 J	34.5 UJ	38600 J	219000 J	221 J	219000 J
13B-0552-C3CT	1.5 - 2.38 ft	12.3 U	826	10500	84.6	33800	185000	206	185000
13B-0553-C2AS	0 - 0.5 ft	15.6 U	47.1 J	699	9.92 U	2240	12200	36.1 J	12200
13B-0553-C2BS	0.5 - 1.5 ft	6.25 U	6.05 U	57.5	3.55 U	724	1650	48.5	1650
13B-0553-C2CS	1.5 - 2.5 ft	12.1 U	10.3 U	10.7 U	7.17 U	33.3 J	43.6 U	10.5 U	43.6 U
13B-0553-C2DS	2.5 - 3.5 ft	21.4 U	18.3 U	19 U	11.1 U	66.1	42.3 U	18.7 U	42.3 U
13B-0554-C1AS	0 - 0.5 ft	5.85 U	33.5	519	3.59 U	1780	9980	54.8	9980
13B-0554-C1BS	0.5 - 1.5 ft	7.08 U	136	1740	13.1 EMPC-J	5570	33900	150	33900
13B-0554-C1CS	1.5 - 2.5 ft	16.4	158	2220	13.6 EMPC-J	6530	39600	102	39600
13B-0554-C1ES	3.5 - 4.7 ft	8.51 U	7.53 U	7.34 U	5.67 U	7.11 U	28.5 U	7.52 U	28.5 U
13B-0555-C1AS	0 - 0.5 ft	172 J	1490 J	23400 J	224 J	66700 J	371000 J	538 J	371000 J
13B-0555-C1BS	0.5 - 1.22 ft	15.1 U	231	4350	50.6 EMPC-J	18200	86800	288	86800
13B-0555-C2CS	1.5 - 2 ft	198 EMPC-J	1380 J	27600 J	242 J	77900 J	439000 J	643 J	439000 J
13B-0555-C2DS	2 - 3 ft	98.2 J	562 J	8850 J	87 J	28100 J	150000 J	304 J	150000 J
13B-0556-C2AS	0 - 0.5 ft	9.52 UJ	106 J	1450 J	13.7 J	4060 J	25800 J	81.4 J	25800 J
13B-0556-C2BS	0.5 - 1.5 ft	13.5 U	127	1630	12.2 EMPC-J	5130	29200	122	29200
13B-0556-C2CS	1.5 - 2.38 ft	10.1 U	77.7	933	11.9	3010	16800	60.2	16800
13B-0557-C2AS	0 - 0.5 ft	4.08 UJ	3.81 UJ	1460 J	11.7 J	4790 J	26100 J	70.8 J	26100 J
13B-0557-C2BS	0.5 - 1.5 ft	3.97 UJ	3.71 UJ	1410 J	2.34 UJ	4700 J	24400 J	84.4 J	24400 J
13B-0557-C2CS	1.5 - 2.5 ft	4.69 U	4.38 U	2860	2.72 U	11100	51000	327	51000
13B-0557-C2ES	3.5 - 4.5 ft	2.88 U	2.72 U	3070	1.69 U	11100	54100	263	54100
13B-0558-C2AS	0 - 0.5 ft	10.2 UJ	41.1 EMPC-J	863 J	5.64 UJ	3190 J	17700 J	90.1 J	17700 J
13B-0558-C2BS	0.5 - 1.5 ft	9.42 U	23.7	376	5.6 U	4430	9390	294	9390
13B-0558-C2CS	1.5 - 2.5 ft	7.23 U	6.53 U	44.1	4.17 U	272	901	10.8	901
13B-0558-C2FS	4.5 - 5.75 ft	10.2 U	9.23 U	8.98 U	6.56 U	8.95 U	20.5 EMPC-J	8.95 U	20.5 EMPC-J
13B-0559-C3AS	0 - 0.5 ft	13.6 U	50.8	548	9.26 U	1990	9940	39.4	9940
13B-0559-C3BS	0.5 - 1.5 ft	13.1 UJ	85.4 J	1330 J	7.7 UJ	4580 J	25100 J	84 J	25100 J
13B-0559-C3CS	1.5 - 2.5 ft	27.1	156	2460	24.7	8770	42500	158	42500

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	47.7	227	4100	31.1	14900	74200	286	74200
13B-0560-C1AS	0 - 0.5 ft	15.8 U	14.6 U	331	8.97 U	1110	6140	13.5 U	6140
13B-0560-C1BS	0.5 - 1.5 ft	9.7 U	8.92 U	1100	6.29 U	3500	20200	87.3	20200
13B-0560-C1CS	1.5 - 2.5 ft	11.6 UJ	10.7 UJ	1990 J	7.28 UJ	5720 J	35000 J	90.1 J	35000 J
13B-0560-C1GS	5.14 - 5.86 ft	10.3 U	9.47 U	8.87 U	7.61 U	8.59 U	47.7 U	8.75 U	47.7 U
13B-0561-C1AS	0 - 0.5 ft	15.3 U	474	6640	57.1	27600	132000	416	132000
13B-0561-C1BS	0.5 - 1.5 ft	19.6 U	182	3550	26.1 EMPC-J	14300	71100	200	71100
13B-0561-C1CS	1.5 - 2.5 ft	13.5 U	12.5 U	1530	17.9 EMPC-J	5910	30500	80	30500
13B-0561-C1GS	5.5 - 6.5 ft	12.5 U	11.5 U	10.6 U	9.74 U	10.3 U	10.4 U	10.7 U	10.4 U
13B-0562-G2AS	0 - 0.5 ft	11.7 U	11.2 U	699	8.13 U	2490	12400	19.8 J	12400
13B-0563-C2AS	0 - 0.5 ft	5.81 U	4.95 U	86.5	3.86 U	269	1490	10.7 J	1490

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.16	3.41	6.51	6.57	3.98	14.2	5.14	14.2
	Maximum Detect	201	1870	27600	266	77900	439000	1140	439000
	Mean of Detects	83.4	336	3610	57.5	10500	55000	178	55000
	St. Dev. of Detects	67.5	445	6150	66.3	16400	91600	165	91600
	CV of Detects	0.809	1.32	1.70	1.15	1.57	1.67	0.929	1.67
	% Detected	12.2	37.8	80.7	34.5	85.7	89.1	71.4	89.1
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	5.16 U	4.4 U	135	3.39 U	425	2440	18.4 J	2440
13B-0563-C2BS	0.5 - 1.1 ft	4.65 U	3.96 U	44.1 EMPC-J	3.25 U	178	968	4.07 U	968
13B-0563-C2CS	1.1 - 2.5 ft	12.6 UJ	10.7 UJ	19700 J	217 J	61800 J	330000 J	1140 J	330000 J
13B-0563-C2IS	7.5 - 8.28 ft	4.46 U	3.92 U	256	3.05 U	1450	5810	76.5	5810
13B-0564-G2AS	0 - 0.5 ft	11.7 UJ	10.3 UJ	2520 J	27.8 J	8510 J	46800 J	159 J	46800 J
13B-0565-G1AS	0 - 0.5 ft	13.7 U	13 U	370	8.85 U	1350	7220	24 EMPC-J	7220
13B-0566-G3AS	0 - 0.5 ft	14.4 U	13.8 U	267	9.37 U	914	5010	24.1 EMPC-J	5010
13B-0567-G2AS	0 - 0.5 ft	8.72 UJ	129 J	1630 J	15.3 J	6110 J	31600 J	180 J	31600 J
13B-0568-G2AS	0 - 0.5 ft	13.3 UJ	12.6 UJ	4690 J	58.8 J	17900 J	94300 J	260 J	94300 J
13B-0570-G3AS	0 - 0.5 ft	8.16 EMPC-J	2.21 UJ	1250 J	8.97 J	3920 J	23800 J	68 J	23800 J
13B-0571-C3AS	0 - 0.5 ft	2.44 U	2.2 U	499	1.63 U	1730	9430	30.8 J	9430
13B-0571-C3BS	0.5 - 1.5 ft	1.48 U	1.34 U	361	0.988 U	1250	7010	17.4 J	7010
13B-0571-C3CS	1.5 - 2.5 ft	1.47 U	1.33 U	32.1 J	0.986 U	107	560	1.26 U	560
13B-0571-C3MS	11 - 12 ft	1.59 U	1.44 U	1.39 U	1.09 U	1.4 U	11.8 U	1.36 U	11.8 U
13B-0572-C1AS	0 - 0.5 ft	12 U	10.6 U	49.8 EMPC-J	8.09 U	265	1280	10.4 U	1280
13B-0572-C1BS	0.5 - 1.5 ft	22.4 U	19.7 U	18.8 U	14.4 U	18.8 U	143	19.3 U	143
13B-0572-C1CS	1.5 - 2.27 ft	13.9 U	12.2 U	11.7 U	7.96 U	11.7 U	24.8 EMPC-J	12 U	24.8 EMPC-J
13B-0573-C2AS	0 - 0.5 ft	13.2 U	11.6 U	464	7.93 U	1460	8270	26 EMPC-J	8270
13B-0573-C2BS	0.5 - 1.5 ft	10.1 U	8.87 U	190	6.38 U	689	3730	8.72 U	3730
13B-0573-C2CS	1.5 - 2.5 ft	11.2 U	94.8	1190	15.8 J	4360	22800	58.4	22800
13B-0573-C2DS	2.5 - 3.75 ft	11.2 U	10.3 U	9.5 U	7.34 U	30.6 J	145	9.6 U	145
13B-0574-C2AS	0 - 0.5 ft	4.22 U	74.7	1980	24.7 J	7020	34300	182	34300
13B-0574-C2BS	0.5 - 1.5 ft	3.23 U	3.05 U	1730	2.06 U	5350	30100	74.8	30100
13B-0574-C2CS	1.5 - 2.5 ft	3.8 U	3.59 U	3470	2.2 U	10000	58300	124	58300
13B-0574-C2HS	6.4 - 7.4 ft	4.38 U	4.14 U	3910	2.47 U	13600	65800	169	65800
13B-0575-C4AS	0 - 0.5 ft	79.1 J	496 J	12100 J	84.7 J	36500 J	216000 J	221 J	216000 J
13B-0575-C4BS	0.5 - 1.5 ft	44.1	270	6430	42.4 EMPC-J	19700	111000	177	111000
13B-0575-C4CS	1.5 - 2.5 ft	10.9 U	9.89 U	9.48 U	7.04 U	9.45 U	60.3 U	9.45 U	60.3 U
13B-0575-C4FS	4.3 - 5.44 ft	6.51 U	5.91 U	5.66 U	3.73 U	5.64 U	14.7 U	5.64 U	14.7 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-142**	**PCB-143**	**PCB-144**	**PCB-145**	**PCB-146**	**PCB-147**	**PCB-148**	**PCB-149**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**8.16**	**3.41**	**6.51**	**6.57**	**3.98**	**14.2**	**5.14**	**14.2**
	Maximum Detect	**201**	**1870**	**27600**	**266**	**77900**	**439000**	**1140**	**439000**
	Mean of Detects	**83.4**	**336**	**3610**	**57.5**	**10500**	**55000**	**178**	**55000**
	St. Dev. of Detects	**67.5**	**445**	**6150**	**66.3**	**16400**	**91600**	**165**	**91600**
	CV of Detects	**0.809**	**1.32**	**1.70**	**1.15**	**1.57**	**1.67**	**0.929**	**1.67**
	% Detected	**12.2**	**37.8**	**80.7**	**34.5**	**85.7**	**89.1**	**71.4**	**89.1**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	7.03 UJ	36.4 EMPC-J	674 J	4.05 UJ	2420 J	12700 J	42 EMPC-J	12700 J
13B-0578-C5AS	0 - 0.5 ft	4.68 U	11 J	98.3	2.84 U	448	1860	15.4 J	1860
13B-0578-C5BS	0.5 - 1.5 ft	3.1 U	2.94 U	183	1.91 U	767	3870	30.5 J	3870
13B-0578-C5CS	1.5 - 2.5 ft	7.19 U	6.84 U	109	4.83 U	2490	4920	203	4920
13B-0578-C5CT	1.5 - 2.5 ft	6.03 U	5.74 U	118	4.11 U	2680	5430	203	5430
13B-0578-C5GS	5.25 - 6.25 ft	4.56 U	4.34 U	4.05 U	2.99 U	3.91 U	48 J	3.98 U	48 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	1630 J	393	5170	501	15700	1850	96.1	1090
13B-0501-C1BS	0.5 - 1.5 ft	1970 J	36.8 J	2570	42.3 J	5540	164	128	554
13B-0501-C1CS	1.5 - 2.5 ft	4930 J	120	11900	106	26100	671	43.2 J	3870
13B-0501-C1DS	2.5 - 3.07 ft	305 J	3.73 U	1100	3.71 U	2210	53.9	3.88 U	246
13B-0502-C2AS	0 - 0.5 ft	1810	20.3	2160	14.3 EMPC-J	4770	111	40.8 EMPC-J	611
13B-0502-C2BS	0.5 - 1.5 ft	8340	220	15100	272	31600	907	83.4	3330
13B-0502-C2CS	1.5 - 2.45 ft	46500 J	850	68000	808	145000 J	3970	250	18800
13B-0503-C1AS	0 - 0.5 ft	427 J	6.47 U	657	6.57 U	1520	47.9	15.4 EMPC-J	198
13B-0503-C1BS	0.5 - 1.5 ft	11.4 U	6.46 U	9.67 U	6.56 U	9.38 U	8.21 U	6.71 U	15 U
13B-0503-C1CS	1.5 - 2.5 ft	18.2 U	8.94 U	12 U	9.09 U	18.5 U	10.2 U	9.3 U	19.6 U
13B-0503-C1DS	2.5 - 2.5 ft	19.3 U	8.82 U	12.4 U	8.96 U	9.65 U	10.6 U	9.17 U	19.2 U
13B-0504-C4AS	0 - 0.5 ft	7550 J	290 J	54500 J	144 J	128000 J	2380 J	130 J	19900 J
13B-0504-C4BS	0.5 - 1.5 ft	4290 J	294 J	51200 J	124 J	129000 J	2100 J	14.6 EMPC-J	22000 J
13B-0504-C4CS	1.5 - 2.5 ft	1370 J	120	17800	43.5	46300	758	9.15 EMPC-J	8000
13B-0504-C4KS	9.5 - 10.25 ft	320 J	2.54 U	137	2.54 U	382	22.1 J	2.76 U	50.1 J
13B-0505-C1AS	0 - 0.5 ft	10900 J	178 J	12000 J	146 J	29500 J	1000 J	516 J	3890 J
13B-0505-C1BS	0.5 - 1.5 ft	4650	52.4	3680	43.9 J	8590	267 EMPC-J	341	1070
13B-0505-C1CS	1.5 - 2.5 ft	28600	403	35900	388	74100	2060	3810	9480
13B-0505-C1FS	4.5 - 5.2 ft	75.4	12.3 U	18.3 U	12.6 U	37.9 U	15.9 U	13.3 U	37.6 U
13B-0506-C2AS	0 - 0.5 ft	3390	115	9300	65.3	24400	673	201	5190
13B-0506-C2BS	0.5 - 1.5 ft	366	34.8 J	948	1.68 U	2140	191	95.6	138
13B-0506-C2CS	1.5 - 2.5 ft	33.9 J	2.36 U	82 J	2.34 U	169	18.4 J	2.43 U	9.56 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	91 J	4.19 U	132	4.18 U	355	4.89 U	4.37 U	40.4 J
13B-0507-C2BS	0.5 - 1.5 ft	4.66 UJ	4.28 U	5.41 U	4.27 U	15.5 J	4.82 U	4.46 U	7.49 U
13B-0507-C2CS	1.5 - 2.5 ft	2.29 UJ	4.32 U	5.95 U	4.31 U	4.62 U	5.3 U	4.51 U	5.99 U
13B-0507-C2DS	2.5 - 3.5 ft	3.26 UJ	6.4 U	8.21 U	6.37 U	6.38 U	7.31 U	6.67 U	9.37 U
13B-0508-G3AS	0 - 0.5 ft	108 J	8.03 U	186	8.05 U	437	11.9 EMPC-J	7.49 UJ	61.3 J
13B-0509-C1AS	0 - 0.5 ft	82000 J	249	53400	187	127000 J	1720	335	22600
13B-0509-C1BS	0.5 - 1.5 ft	3070	13.8	1990	4.96 U	4780	142	9.2	843
13B-0509-C1CS	1.5 - 2.5 ft	224 J	5.07 U	50.7 EMPC-J	5.12 U	94.8	7.97 U	5.58 U	48.2 U
13B-0509-C1ES	3.17 - 4.17 ft	888	6.82 U	10.4 U	6.88 U	32 U	9.1 U	7.5 U	44.9 U
13B-0510-C3AS	0 - 0.5 ft	6410 J	149	17100	72.4	41600	1040	42.1	8190

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	381 J	9.52 J	890	2.09 U	2130	63.1	3.92 EMPC-J	326
13B-0511-C3AS	0 - 0.5 ft	14300 J	211 J	14000 J	148 J	34300 J	1150 J	502 J	4430 J
13B-0511-C3BS	0.5 - 1.5 ft	12500 J	171	14000	137	33100	979	516	4040
13B-0511-C3CS	1.5 - 2.5 ft	39800 J	206	33900	145	75100	1430	593	11500
13B-0511-C3HS	5.95 - 6.95 ft	15000 J	199	15000	36.5 J	36100	1290	21.2 J	4640
13B-0512-G1AS	0 - 0.5 ft	8790 J	150 J	10800 J	102 J	24600 J	1020 J	288 J	2930 J
13B-0513-G1AS	0 - 0.5 ft	57400 J	217 J	47500 J	215 J	119000 J	1590 J	356 J	20000 J
13B-0514-G1AS	0 - 0.5 ft	10500 J	143 J	12300 J	92.1 J	28100 J	910 J	282 J	3910 J
13B-0515-C1AS	0 - 0.5 ft	2140	31.7 J	2860	21.7 J	7080	187	65.9	952
13B-0515-C1BS	0.5 - 1.71 ft	16.9 J	3.33 U	23.7 J	3.33 U	57.1 J	3.82 U	3.41 U	7.23 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	15.8 J	3.85 U	16.3 J	3.85 U	27.8 EMPC-J	4.1 U	3.94 U	7.49 U
13B-0516-C2AS	0 - 0.5 ft	9220 J	158 J	11900 J	92.8 J	27400 J	899 J	377 J	3730 J
13B-0516-C2BS	0.5 - 1.5 ft	17500 J	307 J	24500 J	164 J	53500 J	1850 J	1150 J	6660 J
13B-0516-C2CS	1.5 - 2.5 ft	67400 J	360 J	48900 J	264 J	103000 J	2620 J	24200 J	14500 J
13B-0516-C2LS	10.4 - 11.4 ft	51300	200	35800	93.3	76200	2010	8.98 J	11400
13B-0517-G2AS	0 - 0.5 ft	385	3 U	485	2.84 U	1200	35.5	13.8 EMPC-J	128 J
13B-0518-G1AS	0 - 0.5 ft	1730 J	36.4 J	2260	26 J	5760	154	68.3	787
13B-0518-G1AT	0 - 0.5 ft	2590 J	45 J	2730	28.9 J	6770	185	72.7	958
13B-0519-C2AS	0 - 0.5 ft	6610 J	131 J	9870 J	89.1 J	25000 J	720 J	274 J	3030 J
13B-0519-C2BS	0.5 - 1.5 ft	5800	137	9030	69.5	22300	679	389 J	2490 J
13B-0519-C2CS	1.5 - 2.5 ft	71900 J	325 J	77000 J	240 J	170000 J	2630 J	542 J	26900 J
13B-0519-C2RS	16.1 - 17.1 ft	62.5	5.4 U	7.82 U	5.11 U	86.2 J	6.68 U	5.44 UJ	18.5 UJ
13B-0520-G1AS	0 - 0.5 ft	6680 J	124 J	10900 J	98.8 J	26500 J	772 J	234 J	3030 J
13B-0521-C2AS	0 - 0.5 ft	1050	40.4 EMPC-J	1300	26.3 J	3670	179	30.8 J	454
13B-0521-C2BS	0.5 - 1.5 ft	605 J	9.28 EMPC-J	662	7.47 J	1620	43.6	11.4 EMPC-J	222
13B-0521-C2CS	1.5 - 2.5 ft	1120	19.2 J	1970	18.9 J	5070	126	40.4 EMPC-J	646
13B-0521-C2HS	6.5 - 7.63 ft	163000 J	496 J	170000 J	404 J	405000 J	4690 J	23.2 EMPC-J	70400 J
13B-0522-G1AS	0 - 0.5 ft	11300 J	177 J	14800 J	133 J	36600 J	1050 J	404 J	4210 J
13B-0522-G1AT	0 - 0.5 ft	12300 J	190 J	12900 J	142 J	33200 J	1090 J	391 J	4110 J
13B-0523-G2AS	0 - 0.5 ft	13400 J	203 J	14300 J	157 J	34700 J	1180 J	464 J	4420 J
13B-0524-C1AS	0 - 0.5 ft	7790 J	146 J	13400 J	116 J	30800 J	901 J	317 J	4140 J
13B-0524-C1BS	0.5 - 1.5 ft	10500	235	17200	140	40400	1370	534	4690

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	15000	335 J	22200	152 J	53500	2160	871 J	6610
13B-0524-C1GS	5.39 - 6.39 ft	57100	348	48400	8.9 U	113000	2600	25800	16900
13B-0525-C1AS	0 - 0.5 ft	11100 J	185 J	14100 J	135 J	34700 J	1020 J	429 J	4470 J
13B-0525-C1BS	0.5 - 1.5 ft	12100 J	249 J	19000 J	160 J	46100 J	1400 J	655 J	5390 J
13B-0525-C1CS	1.5 - 2.5 ft	16300 J	323 J	27400 J	170 J	69400 J	2120 J	1070 J	7120 J
13B-0525-C1HS	6.42 - 7.42 ft	48100	205	29100	143	70900	1180	18000	12500
13B-0526-C1AS	0 - 0.5 ft	68900 J	224 J	77400 J	212 J	168000 J	2000 J	121 J	29800 J
13B-0526-C1BS	0.5 - 1.5 ft	118000 J	486 J	176000 J	486 J	400000 J	4010 J	36.9 EMPC-J	74800 J
13B-0526-C1CS	1.5 - 2.5 ft	189000 J	441 J	159000 J	411 J	354000 J	4310 J	11.3 UJ	65800 J
13B-0526-C1CT	1.5 - 2.5 ft	195000 J	486 J	176000 J	448 J	388000 J	4520 J	12.8 UJ	68200 J
13B-0526-C1HS	6.5 - 7.62 ft	12700 J	73.6 J	12700	28.3 EMPC-J	30700	718	8.86 U	4840
13B-0527-C2AS	0 - 0.5 ft	827	4.35 U	914	4.33 U	2340	67.2	28.1 J	309
13B-0527-C2BS	0.5 - 1.5 ft	13.1 J	3.3 U	30.7 J	3.28 U	97.5	9.21 EMPC-J	3.28 U	11.7 J
13B-0527-C2CS	1.5 - 2.6 ft	7.05 U	3.26 U	4.26 U	3.25 U	12.8 EMPC-J	3.79 U	3.25 U	6.05 U
13B-0528-C3AS	0 - 0.5 ft	18200 J	193 J	22200 J	145 J	52700 J	1120 J	437 J	8380 J
13B-0528-C3BS	0.5 - 1.5 ft	151000 J	638 J	188000 J	554 J	415000 J	5120 J	25.5 EMPC-J	78700 J
13B-0528-C3CS	1.5 - 2.5 ft	14900 J	315 J	51300 J	153 J	128000 J	1730 J	11.7 UJ	24700 J
13B-0528-C3LS	10.5 - 11.54 ft	522 J	114	1860	8.66 U	4130	859	8.82 U	80.2 J
13B-0529-C2AS	0 - 0.5 ft	2300 J	16.9 EMPC-J	2230	15.3 EMPC-J	4490	101	55.5	545
13B-0529-C2BS	0.5 - 1.5 ft	263 J	3.14 U	285	4.47 EMPC-J	677	12.6 EMPC-J	9 J	99.9
13B-0529-C2CS	1.5 - 2.5 ft	39.6 J	4.58 U	112	4.49 U	257	13.1 EMPC-J	4.71 U	28.7 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	21.3 J	3.93 U	5.38 U	3.85 U	28.1 U	4.75 U	4.04 U	9.48 U
13B-0530-C1AS	0 - 0.5 ft	1640	20.4 J	1670	12.9 EMPC-J	3900	105	39.9 EMPC-J	531
13B-0530-C1BS	0.5 - 1.5 ft	26800	207	18400	125	43500	1100	2200	5600
13B-0530-C1CS	1.5 - 1.8 ft	11900	34 EMPC-J	2730	8.85 U	6600	199	589	863
13B-0531-C2AS	0 - 0.5 ft	1010	2.46 U	913	2.5 U	2220	54.9	18.2 J	322
13B-0531-C2AT	0 - 0.5 ft	937 J	13.7 J	1170	12.7 J	2880	63.2	20.7 EMPC-J	600
13B-0531-C2BS	0.5 - 1.5 ft	645 J	2.29 U	1690	2.33 U	2930	50.4	2.37 U	345
13B-0531-C2CS	1.5 - 2.5 ft	6.78 U	2.25 U	85.2 J	2.27 U	183	2.77 U	2.32 U	18.8 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	53.7	2.33 U	3.37 U	2.35 U	5.81 U	2.94 U	2.41 U	5.82 U
13B-0532-C1AS	0 - 0.5 ft	2210 J	24.7 J	1440	19.7 J	3430	89.1	54	483
13B-0532-C1BS	0.5 - 1.5 ft	321 J	5.5 U	449	5.56 U	1070	28.6 EMPC-J	5.94 U	135

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	90 J	3.86 U	83.6 J	3.9 U	239	29.6 J	4.18 U	25 J
13B-0532-C1DS	2.5 - 3.73 ft	7.07 UJ	4.41 U	6.43 U	4.46 U	11 EMPC-J	5.63 U	4.77 U	9.41 U
13B-0533-C2AS	0 - 0.5 ft	17100 J	169 EMPC-J	20000 J	132 J	47600 J	1130 J	473 J	7330 J
13B-0533-C2AT	0 - 0.5 ft	14700 J	180 J	18000 J	140 J	43100 J	1090 J	504 J	6430 J
13B-0533-C2BS	0.5 - 1.5 ft	145000 J	466 J	148000 J	399 J	346000 J	4230 J	20.6 EMPC-J	63300 J
13B-0533-C2CS	1.5 - 2.5 ft	28400 J	234 J	45700 J	110 J	110000 J	2010 J	15.2 J	17600 J
13B-0533-C2JS	8.5 - 9.62 ft	913 J	101 J	6320	15.2 J	16000	624	18.9 J	1780
13B-0533-C2JT	8.5 - 9.62 ft	815 J	101	6380	13.1 J	15700	613	16.5 J	1560
13B-0534-C2AS	0 - 0.5 ft	102000 J	282 J	75100 J	275 J	178000 J	1910 J	223 J	33800 J
13B-0534-C2AT	0 - 0.5 ft	96400 J	283 J	70100 J	269 J	162000 J	1660 J	216 J	31400 J
13B-0534-C2BS	0.5 - 1.5 ft	30900 J	180	40200	99.1	94600	1510	17 EMPC-J	15400
13B-0534-C2CS	1.5 - 2.5 ft	855 J	102 EMPC-J	14800	31.9 J	37900	785	20.8 J	4260
13B-0534-C2IS	7.5 - 8.59 ft	334 J	57.7	3570	8.41 EMPC-J	8600	284	13 J	582
13B-0535-C2AS	0 - 0.5 ft	13100 J	187 J	14800 J	132 J	34600 J	1120 J	516 J	4840 J
13B-0535-C2BS	0.5 - 1.5 ft	206	6.67 U	403	6.73 U	946	41.1 J	21.1 J	102
13B-0535-C2CS	1.5 - 2.45 ft	15.6 U	4.95 U	31.6 J	5.01 U	60.6 J	6.22 U	5.24 U	11.3 U
13B-0536-C1AS	0 - 0.5 ft	6680 J	139 J	8150 J	78.1 J	20000 J	756 J	276 J	2590 J
13B-0536-C1BS	0.5 - 1.5 ft	198	4.19 EMPC-J	186	1.69 U	485	25.8 J	1.87 U	76.6 J
13B-0536-C1CS	1.5 - 2.5 ft	395	1.52 U	60.8 J	1.46 U	122	5.65 J	1.61 U	16.4 J
13B-0536-C1FS	4.28 - 5.28 ft	1990	1.95 U	14.5 U	1.87 U	22.4 U	3.22 U	2.07 U	8.69 U
13B-0537-C3AS	0 - 0.5 ft	2400	43.7	2680	29.8 J	6410	173	83.9	969
13B-0538-C3AS	0 - 0.5 ft	249000 J	431 J	162000 J	486 J	349000 J	3160 J	86.6 EMPC-J	74600 J
13B-0538-C3BS	0.5 - 1.5 ft	222000 J	423 J	169000 J	467 J	366000 J	3350 J	85 J	75800 J
13B-0538-C3CS	1.5 - 2.5 ft	174000 J	293 J	115000 J	381 J	256000 J	2330 J	59.4 J	55700 J
13B-0538-C3ES	3.5 - 4.8 ft	143 J	4.86 U	11.9 U	4.93 U	31.5 U	6.41 U	5.33 U	12.2 U
13B-0539-C3AS	0 - 0.5 ft	27700	201	28300 J	87.8	70300 J	1530 J	90.1	9960 J
13B-0539-C3AT	0 - 0.5 ft	40100	246	39500	102	94100	2080	81.7	12900
13B-0539-C3BS	0.5 - 1.5 ft	2330	136	18200	6.36 U	45300	926	6.92 U	6200
13B-0539-C3CS	1.5 - 2.5 ft	1050	273	16600	23.9 J	40800	1560	90.2	2220
13B-0539-C3HS	6.5 - 7.59 ft	9.45 J	3.28 U	4.5 U	3.23 U	15.9 EMPC-J	3.86 U	3.52 U	13.1 U
13B-0540-C4AS	0 - 0.5 ft	10300 J	130 J	14000 J	100 J	33000 J	896 J	391 J	5050 J
13B-0540-C4BS	0.5 - 1.5 ft	22400 J	173 J	22400 J	119 J	50900 J	1150 J	233 J	8200 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	155000 J	392 J	147000 J	376 J	287000 J	3970 J	67.7 J	54200 J
13B-0540-C4LS	10.3 - 11.25 ft	35.4 J	5.76 U	9.53 U	5.85 U	26.6 J	8.43 U	6.9 U	16.6 U
13B-0541-C1AS	0 - 0.5 ft	30900 J	102 J	16200 J	77.7 J	40000 J	734 J	215 J	6240 J
13B-0541-C1BS	0.5 - 1.5 ft	43000	60.4	14300	41.2 J	35100	583	8.17 U	5690
13B-0541-C1CS	1.5 - 2.5 ft	8000	24.2 EMPC-J	4700	8.65 EMPC-J	11300	245	3.31 U	1400
13B-0541-C1FS	4.5 - 5.67 ft	21 U	5.24 U	6.95 U	5.29 U	17.9 EMPC-J	5.96 U	5.76 U	13 U
13B-0542-C2AS	0 - 0.5 ft	1510	20.2 EMPC-J	644	4.59 U	1560	145	11.2 J	130
13B-0542-C2BS	0.5 - 1.5 ft	305	3.29 U	5.71 U	3.33 U	15.9 EMPC-J	4.9 U	3.48 U	14.1 U
13B-0542-C2CS	1.5 - 2.5 ft	229	4.81 U	7.68 U	4.88 U	12.5 EMPC-J	6.59 U	5.09 U	17.9 U
13B-0542-C2HS	6.5 - 7.55 ft	12.1 U	3.36 U	5.18 U	3.41 U	7.66 EMPC-J	4.45 U	3.56 U	9.7 U
13B-0543-G1AS	0 - 0.5 ft	6670 J	83 J	8720 J	55.5 J	20500 J	492 J	247 J	2800 J
13B-0544-C2AS	0 - 0.5 ft	5580 J	88.3 J	8310 J	59.8 J	20000 J	420 J	286 J	2560 J
13B-0544-C2BS	0.5 - 1.5 ft	7600	110	12400	77.9	30000	633	310	4380
13B-0544-C2CS	1.5 - 2.5 ft	12900	213	20200	133	48100	1520	651	5740
13B-0544-C2ES	3 - 3.97 ft	4360	166	7200	47.5	17100	911	693	1860
13B-0546-G2AS	0 - 0.5 ft	1580 J	85.8	1480	108	2290	95.5	15.7 EMPC-J	239
13B-0547-C2AS	0 - 0.5 ft	141000 J	394 J	101000 J	327 J	246000 J	3680 J	49.9 J	44600 J
13B-0547-C2BS	0.5 - 1.5 ft	56400 J	268 J	47700 J	104 EMPC-J	112000 J	2390 J	15.7 EMPC-J	15500 J
13B-0547-C2CS	1.5 - 2.05 ft	635 J	374	2670	7.53 U	7790	1730	64.5	383
13B-0547-C2HS	6.5 - 7.15 ft	16.5 J	4.53 U	12.1	4.54 U	21.1	5.43 U	4.03 U	7.51 U
13B-0548-C1AS	0 - 0.5 ft	5360	46 J	5440	35.3 J	13500	300	94.8	1830
13B-0548-C1BS	0.5 - 1.5 ft	4080	51.9	6730	43 J	17200	341	91.8 EMPC-J	2630
13B-0548-C1BT	0.5 - 1.5 ft	4660	51.7	6030	37.1 J	14100	307	105	1950
13B-0548-C1CS	1.5 - 2.5 ft	8520	178	13100	78.4 EMPC-J	30200	1020	1330	3570
13B-0548-C1IS	7.5 - 8.79 ft	14.9 U	4.54 U	7.04 U	4.45 U	5.48 U	6.12 U	5.12 U	12 U
13B-0549-C3AS	0 - 0.5 ft	4430	53.9	6610	39 J	16300	386	165	2020
13B-0549-C3BS	0.5 - 1.5 ft	498	4.01 U	7.28 U	4.01 U	30.8 U	6.4 U	4.78 U	23.5 U
13B-0549-C3CS	1.5 - 2.65 ft	1910	3.59 U	5.46 U	3.59 U	4.36 U	4.8 U	4.28 U	16.8 U
13B-0550-C3AS	0 - 0.5 ft	5140 J	72.3 J	7390 J	53.7 J	17400 J	431 J	132 J	2530 J
13B-0550-C3BS	0.5 - 1.5 ft	1420 J	17.7 J	1830	10.4 J	4410	107	46.4	620
13B-0550-C3CS	1.5 - 2.5 ft	11.1 J	1.88 U	6.39 EMPC-J	1.87 U	15.9 U	2.37 U	2.04 U	5.38 U
13B-0550-C3FS	4.5 - 5.37 ft	4.14 UJ	1.35 U	4.39 EMPC-J	1.35 U	13.2 U	1.76 U	1.47 U	2.97 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	5690 J	47.2	6470	26.1 EMPC-J	15700	344	118	2190
13B-0551-C2BS	0.5 - 0.88 ft	6090 J	28.7 J	4960	13.4 J	12100	240	5.16 EMPC-J	1620
13B-0552-C3AS	0 - 0.5 ft	11500 J	123 J	13900 J	80.3 EMPC-J	35200 J	765 J	481 J	4940 J
13B-0552-C3BS	0.5 - 1.5 ft	22600	319	33000	241	81400	1720	3460	9470
13B-0552-C3CS	1.5 - 2.38 ft	126000	284 J	86600 J	257 J	229000 J	2560 J	71.5 J	32200 J
13B-0552-C3CT	1.5 - 2.38 ft	77900	239	74700	233	187000	2150	58	29000
13B-0553-C2AS	0 - 0.5 ft	2100 J	34 EMPC-J	5070	27.8 EMPC-J	12700	279	70.2	1970
13B-0553-C2BS	0.5 - 1.5 ft	99 J	56.5	954	3.39 U	2440	419	15.1 J	39.4 EMPC-J
13B-0553-C2CS	1.5 - 2.5 ft	356 J	6.87 U	28.9 U	7 U	38.5 U	9.62 U	7.1 U	23.5 U
13B-0553-C2DS	2.5 - 3.5 ft	1150 J	10.6 U	69.6 J	10.8 U	39.4 U	17.1 U	11 U	56.4 U
13B-0554-C1AS	0 - 0.5 ft	2700	61.9	4100	44.9	9860	278	126	1350
13B-0554-C1BS	0.5 - 1.5 ft	11200	158	14100	118	32700	909	409	3890
13B-0554-C1CS	1.5 - 2.5 ft	14500	94.8	17100	69.8	38600	725	4910	5310
13B-0554-C1ES	3.5 - 4.7 ft	22.6 J	5.39 U	15.7 EMPC-J	5.4 U	38 U	6.69 U	5.67 U	18.3 U
13B-0555-C1AS	0 - 0.5 ft	165000 J	516 J	171000 J	449 J	371000 J	5150 J	50 J	58300 J
13B-0555-C1BS	0.5 - 1.22 ft	55900 J	220	38100	117	94400	1900	14.6 EMPC-J	14300 J
13B-0555-C2CS	1.5 - 2 ft	271000 J	638 J	202000 J	545 J	445000 J	5690 J	21 EMPC-J	70900 J
13B-0555-C2DS	2 - 3 ft	81800 J	302 J	67400 J	187 J	158000 J	2540 J	26.7 EMPC-J	24900 J
13B-0556-C2AS	0 - 0.5 ft	6630 J	83.8 J	10800 J	62.2 J	24500 J	530 J	253 J	3050 J
13B-0556-C2BS	0.5 - 1.5 ft	7300 J	210	12000	73.3	30600	1390	350	3660
13B-0556-C2CS	1.5 - 2.38 ft	6480 J	71.6	7190	43.3	16800	408	583	1910
13B-0557-C2AS	0 - 0.5 ft	9130 J	95.3 J	10800 J	45.7 J	25600 J	545 J	121 J	4220 J
13B-0557-C2BS	0.5 - 1.5 ft	8860 J	81.8 J	10400 J	45.5 J	24800 J	519 J	113 J	3970 J
13B-0557-C2CS	1.5 - 2.5 ft	27700	175	22400	112	50700	1200	3580	7380
13B-0557-C2ES	3.5 - 4.5 ft	39800	209	23900	68.2	52200	1380	25 J	8430
13B-0558-C2AS	0 - 0.5 ft	5300 J	90.6 J	6890 J	40.2 EMPC-J	16900 J	483 J	191 J	2040 J
13B-0558-C2BS	0.5 - 1.5 ft	2060 J	160	5080	14.9 EMPC-J	12100	1430	102 J	634 J
13B-0558-C2CS	1.5 - 2.5 ft	118 J	8.96 EMPC-J	492	4.01 U	1340	71.4	3.67 UJ	48.2 J
13B-0558-C2FS	4.5 - 5.75 ft	8.12 UJ	6.25 U	9.15 U	6.31 U	21.7 U	8.16 U	5.76 UJ	12.7 UJ
13B-0559-C3AS	0 - 0.5 ft	3980 J	39.8 EMPC-J	4030	28.5 EMPC-J	11200	248	116	1400
13B-0559-C3BS	0.5 - 1.5 ft	7860 J	113 J	10100 J	56.8 J	25800 J	602 J	191 J	3460 J
13B-0559-C3CS	1.5 - 2.5 ft	20800 J	142	18000	88.2	44800	849	6220	6370

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	39800 J	274	30200	165	73300	1360	36.6	9950
13B-0560-C1AS	0 - 0.5 ft	2760 J	8.31 U	2670	8.66 U	6010	127	9.06 U	819
13B-0560-C1BS	0.5 - 1.5 ft	8420	89	8430	60.1	20200	484	201	2700
13B-0560-C1CS	1.5 - 2.5 ft	10700 J	115 J	13800 J	71.1 EMPC-J	32400 J	648 J	102 J	5700 J
13B-0560-C1GS	5.14 - 5.86 ft	19.3 U	7.05 U	9.27 U	7.35 U	52.2 U	7.92 U	7.68 U	24.3 U
13B-0561-C1AS	0 - 0.5 ft	63800 J	343	61100	153	134000	2910	25.1 J	18200
13B-0561-C1BS	0.5 - 1.5 ft	57200 J	164 EMPC-J	31600	79.4	72100	1620	12.9 UJ	9850
13B-0561-C1CS	1.5 - 2.5 ft	14300 J	82.6	13900	51.9 EMPC-J	29400	595	10.1 UJ	4860
13B-0561-C1GS	5.5 - 6.5 ft	21 U	9.21 U	11.1 U	9.43 U	8.44 U	9.67 U	10.2 UJ	23.3 U
13B-0562-G2AS	0 - 0.5 ft	1990	31.6 EMPC-J	4900	24.8 J	12500	192	8.39 U	2760
13B-0563-C2AS	0 - 0.5 ft	677 J	8.68 EMPC-J	652	3.73 U	1480	38.3 EMPC-J	3.88 U	224

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	765 J	15.2 J	1080	12.5 EMPC-J	2110	56.8	3.41 U	300
13B-0563-C2BS	0.5 - 1.1 ft	381 J	3.04 U	418	3.14 U	873	29.8 J	3.26 U	149
13B-0563-C2CS	1.1 - 2.5 ft	315000 J	743 J	159000 J	325 J	308000 J	6600 J	35.8 EMPC-J	45900 J
13B-0563-C2IS	7.5 - 8.28 ft	947 J	34.6 J	2500	11.1 EMPC-J	5350	259	3 U	759
13B-0564-G2AS	0 - 0.5 ft	18800 J	176 J	19400 J	125 EMPC-J	46300 J	1150 J	645 J	6890 J
13B-0565-G1AS	0 - 0.5 ft	2390	46.1 J	3010	31.7 EMPC-J	7170	218	115	974
13B-0566-G3AS	0 - 0.5 ft	2440	32.9 J	2030	38.4 J	4850	152	65.3	780
13B-0567-G2AS	0 - 0.5 ft	11600 J	172 EMPC-J	13300 J	133 J	33800 J	1060 J	411 J	4200 J
13B-0568-G2AS	0 - 0.5 ft	67100 J	223 J	39200 J	130 J	94500 J	1940 J	31.6 J	16300 J
13B-0570-G3AS	0 - 0.5 ft	8850 J	79.3 J	9670 J	59.4 J	23900 J	466 J	304 J	3850 J
13B-0571-C3AS	0 - 0.5 ft	2990	34.8 J	3800	24.9 J	9770	202	198	1360
13B-0571-C3BS	0.5 - 1.5 ft	1940	18.8 J	2910	16 J	7520	121	400	872
13B-0571-C3CS	1.5 - 2.5 ft	122	0.937 U	235	0.945 U	633	1.14 U	11.1 J	57.2 J
13B-0571-C3MS	11 - 12 ft	3.52 U	1.04 U	4.51 EMPC-J	1.05 U	11.4 U	1.24 U	1.15 U	1.92 U
13B-0572-C1AS	0 - 0.5 ft	359 J	7.79 U	560	7.73 U	1270	36.1 EMPC-J	8.3 U	150
13B-0572-C1BS	0.5 - 1.5 ft	1840 J	13.9 U	60.1 J	13.7 U	136	17.3 U	14.8 U	50.1 U
13B-0572-C1CS	1.5 - 2.27 ft	102 J	7.67 U	12.5 U	7.6 U	26 EMPC-J	10.8 U	8.17 U	34.3 U
13B-0573-C2AS	0 - 0.5 ft	4310 J	38.1 J	3520	28.8 EMPC-J	7790	153	18.7 J	1180
13B-0573-C2BS	0.5 - 1.5 ft	1950 J	11.9 EMPC-J	1480	13.2 J	3740	71.5	14.5 J	600
13B-0573-C2CS	1.5 - 2.5 ft	7580 J	50.7	9090	33.1 EMPC-J	22600	364	7.86 U	3540
13B-0573-C2DS	2.5 - 3.75 ft	53.1 J	6.94 U	50 EMPC-J	7.11 U	136	8.69 U	7.66 UJ	22.1 U
13B-0574-C2AS	0 - 0.5 ft	24700	113	15200	59.6	31500	889	11.4 J	5490
13B-0574-C2BS	0.5 - 1.5 ft	21800 J	63.7	12400	46.7 J	27200	466	6.72 EMPC-J	4950 J
13B-0574-C2CS	1.5 - 2.5 ft	26500	146	25100	117	54500	890	6.47 J	10500
13B-0574-C2HS	6.4 - 7.4 ft	48500	118	30000	75.5	64900	1230	10.8 J	10800
13B-0575-C4AS	0 - 0.5 ft	90800 J	280 J	89000 J	233 J	215000 J	2210 J	216 EMPC-J	31500 J
13B-0575-C4BS	0.5 - 1.5 ft	45000	142	46200	96.2 EMPC-J	106000	1390	6.1 U	16300
13B-0575-C4CS	1.5 - 2.5 ft	111	6.64 U	25.9 EMPC-J	6.92 U	63.2 U	8.38 U	6.71 U	19.1 U
13B-0575-C4FS	4.3 - 5.44 ft	15 J	3.51 U	5.81 U	3.66 U	13.3 U	5 U	3.55 U	9.64 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-15	PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.45	4.19	4.39	4.47	7.66	5.65	3.92	7.23
	Maximum Detect	315000	850	202000	808	445000	6600	25800	78700
	Mean of Detects	24800	173	24500	129	54900	1100	756	9760
	St. Dev. of Detects	49900	148	41400	135	91300	1200	3160	17000
	CV of Detects	2.01	0.856	1.69	1.05	1.66	1.09	4.18	1.74
	% Detected	92.4	72.3	87.4	65.5	89.5	80.3	67.6	81.9
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	2360 J	38.5 J	5250 J	30.4 J	12000 J	261 J	81.9 J	1600 J
13B-0578-C5AS	0 - 0.5 ft	575	15.9 J	823	2.66 U	2000	92.2	17.2 J	268
13B-0578-C5BS	0.5 - 1.5 ft	1000	60.7	1690	1.79 U	4460	296	13.3 J	442
13B-0578-C5CS	1.5 - 2.5 ft	214	221	2330	4.59 U	6160	1450	37.2 J	74.5 EMPC-J
13B-0578-C5CT	1.5 - 2.5 ft	195	260	2630	3.9 U	7010	1540	40.7 EMPC-J	85.8 J
13B-0578-C5GS	5.25 - 6.25 ft	31.6 J	2.81 U	27 J	2.84 U	52.8 J	3.64 U	2.92 U	9.95 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-157**	**PCB-158**	**PCB-159**	**PCB-16**	**PCB-160**	**PCB-161**	**PCB-162**	**PCB-163**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**7.23**	**6.49**	**11.6**	**17**	**7.3**	**5.2**	**4.48**	**7.87**
	Maximum Detect	**78700**	**59800**	**4680**	**673000**	**72.6**	**25.3**	**3790**	**573000**
	Mean of Detects	**9760**	**7350**	**720**	**52300**	**33.4**	**16.2**	**450**	**69700**
	St. Dev. of Detects	**17000**	**12700**	**937**	**115000**	**21.1**	**8.04**	**656**	**121000**
	CV of Detects	**1.74**	**1.73**	**1.30**	**2.20**	**0.632**	**0.496**	**1.46**	**1.74**
	% Detected	**81.9**	**83.2**	**56.3**	**82.8**	**4.20**	**1.68**	**68.1**	**89.9**
Sample ID	**Depth Interval**								
13B-0501-C1AS	0 - 0.5 ft	1090	1180	276	1220	4.65 U	4.57 U	44.6 EMPC-J	13200
13B-0501-C1BS	0.5 - 1.5 ft	554	562	61.7	2470 J	1.88 U	1.85 U	22.4 EMPC-J	6730
13B-0501-C1CS	1.5 - 2.5 ft	3870	3300	271	6610	2.78 U	2.73 U	111 EMPC-J	34000
13B-0501-C1DS	2.5 - 3.07 ft	246	239	32.9 EMPC-J	120 J	4.63 U	4.55 U	10 U	2500
13B-0502-C2AS	0 - 0.5 ft	611	578	19.1 U	2100	11.2 U	10.1 U	25.2 EMPC-J	6040
13B-0502-C2BS	0.5 - 1.5 ft	3330	3190	37.1 U	14400	11.8 U	10.7 U	179 EMPC-J	37500
13B-0502-C2CS	1.5 - 2.45 ft	18800	15500	79.9 U	92400 J	11.3 U	10.2 U	668 EMPC-J	173000 J
13B-0503-C1AS	0 - 0.5 ft	198	173	15.1 U	310	8 U	7.22 U	14.6 U	1850
13B-0503-C1BS	0.5 - 1.5 ft	15 U	6.96 U	10.2 U	28.3 U	7.93 U	7.15 U	9.88 U	17.9 U
13B-0503-C1CS	1.5 - 2.5 ft	19.6 U	8.64 U	13.8 U	32.1 U	9.84 U	8.89 U	13.4 U	22.4 U
13B-0503-C1DS	2.5 - 2.5 ft	19.2 U	8.95 U	13.7 U	29.1 U	10.2 U	9.2 U	13.3 U	11.9 U
13B-0504-C4AS	0 - 0.5 ft	19900 J	14100 J	1430 J	23600 J	9.74 UJ	9.78 UJ	1450 EMPC-J	161000 J
13B-0504-C4BS	0.5 - 1.5 ft	22000 J	15100 J	1310 J	10600 J	10.7 UJ	10.7 UJ	3070 EMPC-J	167000 J
13B-0504-C4CS	1.5 - 2.5 ft	8000	5650	471	2290	6.36 U	6.38 U	725 EMPC-J	60500
13B-0504-C4KS	9.5 - 10.25 ft	50.1 J	46.5	6.9 U	132	2.84 U	2.85 U	6.92 U	404
13B-0505-C1AS	0 - 0.5 ft	3890 J	3070 J	463 J	7080 J	7.6 UJ	6.9 UJ	190 EMPC-J	34800 J
13B-0505-C1BS	0.5 - 1.5 ft	1070	867	137	4460	8.26 U	7.94 U	63.3 EMPC-J	10200
13B-0505-C1CS	1.5 - 2.5 ft	9480	8010	1230	51200	72.6	9.31 U	503	88900
13B-0505-C1FS	4.5 - 5.2 ft	37.6 U	13.2 U	27 U	34.8 U	14.6 U	14 U	26.8 U	45.4 U
13B-0506-C2AS	0 - 0.5 ft	5190	3690	242	1920	2.04 U	1.89 U	176	35800
13B-0506-C2BS	0.5 - 1.5 ft	138	158	6.09 U	309	1.87 U	1.74 U	7.21 EMPC-J	1810
13B-0506-C2CS	1.5 - 2.5 ft	9.56 EMPC-J	13 J	3.45 U	26.3 J	2.59 U	2.4 U	3.46 U	147 J
13B-0507-C2AS	0 - 0.5 ft	40.4 J	33.1 J	5.52 U	65.5	4.1 U	4.03 U	34.6 EMPC-J	387
13B-0507-C2BS	0.5 - 1.5 ft	7.49 U	3.67 U	4.75 U	7.62 U	4.04 U	3.97 U	4.64 U	15.1 EMPC-J
13B-0507-C2CS	1.5 - 2.5 ft	5.99 U	4.04 U	3.79 U	8.26 U	4.44 U	4.37 U	3.7 U	5.44 U
13B-0507-C2DS	2.5 - 3.5 ft	9.37 U	5.57 U	6.19 U	10.5 U	6.13 U	6.03 U	6.05 U	7.51 U
13B-0508-G3AS	0 - 0.5 ft	61.3 J	45.2 EMPC-J	13.6 U	58.2	9.73 U	8.77 U	13.2 U	510
13B-0509-C1AS	0 - 0.5 ft	22600	17100	43.3 U	128000 J	5.62 U	5 U	661 EMPC-J	169000 J
13B-0509-C1BS	0.5 - 1.5 ft	843	621	14.1 U	6630	6.23 U	5.53 U	26.4 EMPC-J	5890
13B-0509-C1CS	1.5 - 2.5 ft	48.2 U	15.8 EMPC-J	27.3 U	51.9 EMPC-J	7.64 U	6.78 U	27.7 U	103
13B-0509-C1ES	3.17 - 4.17 ft	44.9 U	7.72 U	30.7 U	29.8 U	8.72 U	7.75 U	31.1 U	43.7 U
13B-0510-C3AS	0 - 0.5 ft	8190	5690	381	11300	1.64 U	1.57 U	310 EMPC-J	59100

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	326	244	23.4 J	907	2.24 U	2.15 U	14.4 EMPC-J	2760
13B-0511-C3AS	0 - 0.5 ft	4430 J	3420 J	441 J	6770 J	28.2 J	2.56 UJ	186 EMPC-J	38200 J
13B-0511-C3BS	0.5 - 1.5 ft	4040	3320	466	7760	14.5 J	2.35 U	164 EMPC-J	36800
13B-0511-C3CS	1.5 - 2.5 ft	11500	8600	947	69700	26.3 EMPC-J	2.73 U	407 EMPC-J	90500
13B-0511-C3HS	5.95 - 6.95 ft	4640	3310	544	25200	2.73 U	5.2 EMPC-J	214 EMPC-J	37900
13B-0512-G1AS	0 - 0.5 ft	2930 J	2350 J	332 J	4280 J	1.72 UJ	1.65 UJ	169 EMPC-J	27900 J
13B-0513-G1AS	0 - 0.5 ft	20000 J	15200 J	1460 J	109000 J	13.1 UJ	11.7 UJ	839 EMPC-J	164000 J
13B-0514-G1AS	0 - 0.5 ft	3910 J	2950 J	357 J	7660 J	1.49 UJ	1.43 UJ	148 EMPC-J	34100 J
13B-0515-C1AS	0 - 0.5 ft	952	752	73.6	1500	4.36 U	4.17 U	45.1 EMPC-J	8570
13B-0515-C1BS	0.5 - 1.71 ft	7.23 EMPC-J	6.84 EMPC-J	3.42 U	13.6 U	3.41 U	3.26 U	3.36 U	64.7 J
13B-0515-C2CS	1.5 - 2.19 ft	7.49 U	3.44 U	4.76 U	19.4 U	3.66 U	3.5 U	4.67 U	34.5 J
13B-0516-C2AS	0 - 0.5 ft	3730 J	2820 J	379 J	5300 J	3.03 UJ	2.85 UJ	170 EMPC-J	31700 J
13B-0516-C2BS	0.5 - 1.5 ft	6660 J	5170 J	742 J	14900 J	15.7 J	2.38 UJ	388 EMPC-J	58700 J
13B-0516-C2CS	1.5 - 2.5 ft	14500 J	11000 J	1340 J	65100 J	3.61 UJ	3.4 UJ	499 EMPC-J	121000 J
13B-0516-C2LS	10.4 - 11.4 ft	11400	8040	881	67500	3.04 U	2.86 U	435 EMPC-J	91100
13B-0517-G2AS	0 - 0.5 ft	128 J	132	20.7 J	137	3.31 U	2.89 U	8.7 U	1440
13B-0518-G1AS	0 - 0.5 ft	787	648	62	1050	4.67 U	4.22 U	33 EMPC-J	6940
13B-0518-G1AT	0 - 0.5 ft	958	789	79.6	1580	4.04 U	3.64 U	43.6 EMPC-J	8380
13B-0519-C2AS	0 - 0.5 ft	3030 J	2690 J	386 J	4850 J	4.27 UJ	3.72 UJ	165 EMPC-J	29300 J
13B-0519-C2BS	0.5 - 1.5 ft	2490 J	2220	376	6290	4.3 U	3.74 U	136 EMPC-J	25100
13B-0519-C2CS	1.5 - 2.5 ft	26900 J	22800 J	2080 J	164000 J	10.5 UJ	9.14 UJ	960 EMPC-J	230000 J
13B-0519-C2RS	16.1 - 17.1 ft	18.5 UJ	17.5 J	12.6 U	19 U	6.45 U	5.62 U	13.2 U	135 J
13B-0520-G1AS	0 - 0.5 ft	3030 J	2850 J	23 UJ	4550 J	6.02 UJ	5.74 UJ	137 EMPC-J	30700 J
13B-0521-C2AS	0 - 0.5 ft	454	398	78.3	707	4.11 U	3.83 U	12.4 EMPC-J	3920
13B-0521-C2BS	0.5 - 1.5 ft	222	203	30.6 J	426	2.83 U	2.64 U	6.88 U	2050
13B-0521-C2CS	1.5 - 2.5 ft	646	567	89.7	777	3.89 U	3.62 U	23.4 EMPC-J	6060
13B-0521-C2HS	6.5 - 7.63 ft	70400 J	54600 J	4680 J	471000 J	9.61 UJ	8.95 UJ	2160 EMPC-J	546000 J
13B-0522-G1AS	0 - 0.5 ft	4210 J	3800 J	25.3 UJ	5770 J	5.31 UJ	5.06 UJ	216 EMPC-J	41800 J
13B-0522-G1AT	0 - 0.5 ft	4110 J	3590 J	31.8 UJ	5670 J	9.12 UJ	8.7 UJ	215 EMPC-J	38800 J
13B-0523-G2AS	0 - 0.5 ft	4420 J	3640 J	473 J	7150 J	2.87 UJ	2.59 UJ	206 EMPC-J	39800 J
13B-0524-C1AS	0 - 0.5 ft	4140 J	3130 J	485 J	4850 J	7.19 UJ	6.98 UJ	191 EMPC-J	35600 J
13B-0524-C1BS	0.5 - 1.5 ft	4690	3720	639	7040	7.35 U	7.14 U	278 EMPC-J	44000

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	6610	4870	825	15600	7.59 U	7.37 U	454 EMPC-J	56700
13B-0524-C1GS	5.39 - 6.39 ft	16900	12000	1710	79300	10.6 U	10.3 U	634 EMPC-J	133000
13B-0525-C1AS	0 - 0.5 ft	4470 J	3600 J	527 J	7020 J	7.64 UJ	7.53 UJ	205 EMPC-J	41600 J
13B-0525-C1BS	0.5 - 1.5 ft	5390 J	4590 J	37.2 UJ	8260 J	6.51 UJ	6.41 UJ	400 EMPC-J	52500 J
13B-0525-C1CS	1.5 - 2.5 ft	7120 J	6300 J	67.8 UJ	12800 J	5.44 UJ	4.96 UJ	593 EMPC-J	75600 J
13B-0525-C1HS	6.42 - 7.42 ft	12500	8590	67.7 U	78400	12.6 U	12.4 U	448 EMPC-J	92700
13B-0526-C1AS	0 - 0.5 ft	29800 J	21800 J	1680 J	123000 J	19.1 UJ	18.2 UJ	859 EMPC-J	213000 J
13B-0526-C1BS	0.5 - 1.5 ft	74800 J	52000 J	4120 J	245000 J	22 UJ	21 UJ	2170 EMPC-J	508000 J
13B-0526-C1CS	1.5 - 2.5 ft	65800 J	45100 J	3830 J	346000 J	15.3 UJ	14.5 UJ	1460 EMPC-J	440000 J
13B-0526-C1CT	1.5 - 2.5 ft	68200 J	50400 J	3850 J	361000 J	19.7 UJ	18.7 UJ	1850 EMPC-J	502000 J
13B-0526-C1HS	6.5 - 7.62 ft	4840	3210	290	17100	10.4 U	9.89 U	164 EMPC-J	35500
13B-0527-C2AS	0 - 0.5 ft	309	246	22.5 EMPC-J	448	4.96 U	4.55 U	10.5 EMPC-J	2830
13B-0527-C2BS	0.5 - 1.5 ft	11.7 J	6.49 EMPC-J	3.61 U	9.8 U	3.57 U	3.27 U	3.55 U	128 J
13B-0527-C2CS	1.5 - 2.6 ft	6.05 U	3.15 U	3.53 U	10.6 U	3.57 U	3.27 U	3.47 U	12.4 EMPC-J
13B-0528-C3AS	0 - 0.5 ft	8380 J	6480 J	550 J	17000 J	4.71 UJ	4.24 UJ	325 EMPC-J	65700 J
13B-0528-C3BS	0.5 - 1.5 ft	78700 J	59800 J	77.4 UJ	311000 J	15.6 UJ	14.1 UJ	2460 EMPC-J	573000 J
13B-0528-C3CS	1.5 - 2.5 ft	24700 J	18100 J	52.3 UJ	30300 J	16.1 UJ	14.5 UJ	1480 EMPC-J	174000 J
13B-0528-C3LS	10.5 - 11.54 ft	80.2 J	126	123	88.3	10.9 U	9.81 U	21.1 U	793
13B-0529-C2AS	0 - 0.5 ft	545	546	48.9	3170	5.31 U	5.02 U	28.5	5840
13B-0529-C2BS	0.5 - 1.5 ft	99.9	77.4	3.82 U	200	3.28 U	3.1 U	3.75 U	856
13B-0529-C2CS	1.5 - 2.5 ft	28.7 EMPC-J	18.7	4.11 U	52.6	4.81 U	4.54 U	4.05 U	295
13B-0529-C2ES	3.5 - 4.2 ft	9.48 U	3.71 U	5.75 U	17.3 U	4.17 U	3.94 U	5.65 U	14 EMPC-J
13B-0530-C1AS	0 - 0.5 ft	531	448	50.7	1780	9.77 U	8.53 U	19.4 EMPC-J	5000
13B-0530-C1BS	0.5 - 1.5 ft	5600	4440	764	27600	9.73 U	8.5 U	321 EMPC-J	49800
13B-0530-C1CS	1.5 - 1.8 ft	863	734	113	13200	9.72 U	8.49 U	44.5 J	7720
13B-0531-C2AS	0 - 0.5 ft	322	274	8.81 U	767	2.61 U	2.34 U	8.76 U	2890
13B-0531-C2AT	0 - 0.5 ft	600	457	40.3 J	601	2.86 U	2.57 U	20.3 EMPC-J	4470
13B-0531-C2BS	0.5 - 1.5 ft	345	332	32.8 J	562	2.53 U	2.27 U	6.5 U	4210
13B-0531-C2CS	1.5 - 2.5 ft	18.8 EMPC-J	18.3 J	3.72 U	12.1 U	2.67 U	2.51 U	3.76 U	187
13B-0531-C2ES	3.5 - 4.42 ft	5.82 U	2.63 U	3.86 U	8.94 U	2.83 U	2.66 U	3.9 U	8.61 U
13B-0532-C1AS	0 - 0.5 ft	483	420	5.35 U	1210	4.17 U	3.92 U	18.7 EMPC-J	4370
13B-0532-C1BS	0.5 - 1.5 ft	135	124	8.8 U	304	6.06 U	5.69 U	8.69 U	1250

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-157**	**PCB-158**	**PCB-159**	**PCB-16**	**PCB-160**	**PCB-161**	**PCB-162**	**PCB-163**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**7.23**	**6.49**	**11.6**	**17**	**7.3**	**5.2**	**4.48**	**7.87**
	Maximum Detect	**78700**	**59800**	**4680**	**673000**	**72.6**	**25.3**	**3790**	**573000**
	Mean of Detects	**9760**	**7350**	**720**	**52300**	**33.4**	**16.2**	**450**	**69700**
	St. Dev. of Detects	**17000**	**12700**	**937**	**115000**	**21.1**	**8.04**	**656**	**121000**
	CV of Detects	**1.74**	**1.73**	**1.30**	**2.20**	**0.632**	**0.496**	**1.46**	**1.74**
	% Detected	**81.9**	**83.2**	**56.3**	**82.8**	**4.20**	**1.68**	**68.1**	**89.9**
Sample ID	**Depth Interval**								
13B-0532-C1CS	1.5 - 2.5 ft	25 J	19.1 J	5.7 U	53.5	4.32 U	4.05 U	5.63 U	156
13B-0532-C1DS	2.5 - 3.73 ft	9.41 U	4.86 U	5.53 U	13.2 U	5.16 U	4.84 U	5.45 U	11.1 J
13B-0533-C2AS	0 - 0.5 ft	7330 J	5570 J	726 J	14300 J	5.12 UJ	5.14 UJ	271 EMPC-J	61800 J
13B-0533-C2AT	0 - 0.5 ft	6430 J	4830 J	618 J	12000 J	65.1 J	3.23 UJ	252 EMPC-J	52800 J
13B-0533-C2BS	0.5 - 1.5 ft	63300 J	44400 J	3940 J	430000 J	11.3 UJ	9.93 UJ	1870 EMPC-J	456000 J
13B-0533-C2CS	1.5 - 2.5 ft	17600 J	11900 J	1150 J	44700 J	9.26 UJ	8.15 UJ	1100 EMPC-J	135000 J
13B-0533-C2JS	8.5 - 9.62 ft	1780	1290	392	1060	6.25 U	5.51 U	72.6	13200
13B-0533-C2JT	8.5 - 9.62 ft	1560	1250	348	937	5.4 U	4.75 U	72.4	12600
13B-0534-C2AS	0 - 0.5 ft	33800 J	25600 J	50.5 UJ	195000 J	48.6 J	22.3 J	1310 EMPC-J	251000 J
13B-0534-C2AT	0 - 0.5 ft	31400 J	24300 J	1650 J	188000 J	37.3 J	12.6 UJ	1410 EMPC-J	232000 J
13B-0534-C2BS	0.5 - 1.5 ft	15400	12100	904	50500	18.1 EMPC-J	11.8 U	718 EMPC-J	123000
13B-0534-C2CS	1.5 - 2.5 ft	4260	3450	714	514	10.7 U	10.1 U	176 EMPC-J	36000
13B-0534-C2IS	7.5 - 8.59 ft	582	530	283	218	5.08 U	4.79 U	44.4 J	4820
13B-0535-C2AS	0 - 0.5 ft	4840 J	3630 J	508 J	9320 J	6.68 UJ	6.36 UJ	231 EMPC-J	40900 J
13B-0535-C2BS	0.5 - 1.5 ft	102	97.7	17.6 U	176	7.2 U	6.86 U	17.6 U	966
13B-0535-C2CS	1.5 - 2.45 ft	11.3 U	5.08 U	7.25 U	21.5 U	5.49 U	5.26 U	7.3 U	83.5 J
13B-0536-C1AS	0 - 0.5 ft	2590 J	2050 J	312 J	3710 J	1.73 UJ	1.56 UJ	121 EMPC-J	22400 J
13B-0536-C1BS	0.5 - 1.5 ft	76.6 J	55.7	11.6 J	158	1.93 U	1.74 U	3.76 U	493
13B-0536-C1CS	1.5 - 2.5 ft	16.4 J	13.7 J	5.54 U	86.4	2.11 U	1.9 U	5.59 U	109 J
13B-0536-C1FS	4.28 - 5.28 ft	8.69 U	2.41 U	6 U	7.23 U	2.82 U	2.54 U	6.05 U	29.9 U
13B-0537-C3AS	0 - 0.5 ft	969	705	119	2650	2.94 U	2.62 U	39.2 EMPC-J	7780
13B-0538-C3AS	0 - 0.5 ft	74600 J	53100 J	70.2 UJ	474000 J	18 UJ	18.2 UJ	3530 EMPC-J	500000 J
13B-0538-C3BS	0.5 - 1.5 ft	75800 J	54400 J	90.5 UJ	446000 J	21.2 UJ	21.4 UJ	3790 EMPC-J	509000 J
13B-0538-C3CS	1.5 - 2.5 ft	55700 J	39800 J	64.9 UJ	386000 J	21.8 UJ	22 UJ	1370 EMPC-J	367000 J
13B-0538-C3ES	3.5 - 4.8 ft	12.2 U	5.22 U	7.66 U	88.8	5.52 U	5.59 U	7.49 U	36.8 U
13B-0539-C3AS	0 - 0.5 ft	9960 J	6900 J	1080 J	39700	5.3 UJ	4.76 UJ	521 EMPC-J	78500 J
13B-0539-C3AT	0 - 0.5 ft	12900	9230	1290	60400	5.45 U	4.9 U	664 EMPC-J	109000
13B-0539-C3BS	0.5 - 1.5 ft	6200	4540	66.9 U	2260	10.9 U	9.8 U	295 EMPC-J	46600
13B-0539-C3CS	1.5 - 2.5 ft	2220	2160	1220	1390	9.33 U	8.39 U	139 EMPC-J	24100
13B-0539-C3HS	6.5 - 7.59 ft	13.1 U	3.04 U	7.41 U	12.7 U	3.65 U	3.28 U	7.75 U	10.7 EMPC-J
13B-0540-C4AS	0 - 0.5 ft	5050 J	3870 J	29.6 UJ	5530 J	7.21 UJ	6.73 UJ	177 EMPC-J	41800 J
13B-0540-C4BS	0.5 - 1.5 ft	8200 J	6160 J	29.2 UJ	30600 J	11.8 UJ	12 EMPC-J	293 EMPC-J	62100 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	54200 J	38900 J	55.9 UJ	319000 J	10.7 UJ	10 UJ	1580 EMPC-J	382000 J
13B-0540-C4LS	10.3 - 11.25 ft	16.6 U	6.68 U	10.3 U	20.9 U	7.43 U	6.94 U	9.92 U	25 EMPC-J
13B-0541-C1AS	0 - 0.5 ft	6240 J	4740 J	540 J	65300 J	8.06 UJ	7.68 UJ	252 EMPC-J	50800 J
13B-0541-C1BS	0.5 - 1.5 ft	5690	3980	467	127000	8.9 U	8.48 U	201 EMPC-J	43900
13B-0541-C1CS	1.5 - 2.5 ft	1400	1240	164	8690	3.89 U	3.66 U	79.8 EMPC-J	13200
13B-0541-C1FS	4.5 - 5.67 ft	13 U	5.03 U	8.77 U	26.3 U	5.45 U	5.19 U	8.8 U	15.3 EMPC-J
13B-0542-C2AS	0 - 0.5 ft	130	120	54	425	5.97 U	5.72 U	26.7 U	1050
13B-0542-C2BS	0.5 - 1.5 ft	14.1 U	4.01 U	10.1 U	17.4 U	4.33 U	4.15 U	10.2 U	30.9 J
13B-0542-C2CS	1.5 - 2.5 ft	17.9 U	5.39 U	11.9 U	19.4 U	5.82 U	5.58 U	12 U	15.9 J
13B-0542-C2HS	6.5 - 7.55 ft	9.7 U	3.64 U	6.25 U	16.4 U	3.93 U	3.76 U	6.29 U	7.87 EMPC-J
13B-0543-G1AS	0 - 0.5 ft	2800 J	2340 J	269 J	5530 J	2.37 UJ	2.14 UJ	118 EMPC-J	25200 J
13B-0544-C2AS	0 - 0.5 ft	2560 J	2070 J	417 J	4320 J	3.83 UJ	3.42 UJ	166 EMPC-J	23200 J
13B-0544-C2BS	0.5 - 1.5 ft	4380	3250	565	6310	5.5 U	4.91 U	210 EMPC-J	36300
13B-0544-C2CS	1.5 - 2.5 ft	5740	4490	977	10000	8.01 U	7.15 U	372 EMPC-J	51200
13B-0544-C2ES	3 - 3.97 ft	1860	1510	437	4500	4.59 U	4.09 U	69.9 EMPC-J	16400
13B-0546-G2AS	0 - 0.5 ft	239	243	36.9 J	1240	4.28 U	3.95 U	10.6 U	2830
13B-0547-C2AS	0 - 0.5 ft	44600 J	31900 J	2920 J	369000 J	8.71 UJ	7.95 UJ	1500 EMPC-J	329000 J
13B-0547-C2BS	0.5 - 1.5 ft	15500 J	12000 J	1510 J	87200 J	12.9 UJ	11.8 UJ	914 EMPC-J	134000 J
13B-0547-C2CS	1.5 - 2.05 ft	383	355	259	792	9.34 U	8.53 U	34 U	3280
13B-0547-C2HS	6.5 - 7.15 ft	7.51 U	4.55 U	6.25 U	10.8 U	5.13 U	4.61 U	6.17 U	22.8
13B-0548-C1AS	0 - 0.5 ft	1830	1500	17.4 U	5110	4.04 U	3.73 U	61.8 EMPC-J	16600
13B-0548-C1BS	0.5 - 1.5 ft	2630	2070	235	4860	4.53 U	4.18 U	94.1 EMPC-J	22600
13B-0548-C1BT	0.5 - 1.5 ft	1950	1640	235	4360	5.93 U	5.54 U	59.1 EMPC-J	18000
13B-0548-C1CS	1.5 - 2.5 ft	3570	2980	626	8360	7.11 U	6.65 U	146 EMPC-J	33000
13B-0548-C1IS	7.5 - 8.79 ft	12 U	5.12 U	7.86 U	20.2 U	5.79 U	5.42 U	8 U	6.64 U
13B-0549-C3AS	0 - 0.5 ft	2020	1710	303	2560	4.76 U	4.39 U	97.9 EMPC-J	19000
13B-0549-C3BS	0.5 - 1.5 ft	23.5 U	5.35 U	14.3 U	27 U	6.06 U	5.59 U	14.3 U	35.7 U
13B-0549-C3CS	1.5 - 2.65 ft	16.8 U	4.02 U	11.5 U	17 U	4.55 U	4.2 U	11.5 U	5.15 U
13B-0550-C3AS	0 - 0.5 ft	2530 J	1950 J	243 J	3390 J	2.35 UJ	2.36 UJ	80 EMPC-J	21800 J
13B-0550-C3BS	0.5 - 1.5 ft	620	470	58.8	1840	1.7 U	1.71 U	18.9 EMPC-J	5330
13B-0550-C3CS	1.5 - 2.5 ft	5.38 U	1.9 U	3.24 U	9.64 U	1.93 U	1.93 U	3.25 U	19.7 U
13B-0550-C3FS	4.5 - 5.37 ft	2.97 U	1.41 U	1.81 U	8.48 U	1.43 U	1.44 U	1.82 U	15.2 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	2190	1730	232	11300	3.68 U	3.39 U	96.2 EMPC-J	18600
13B-0551-C2BS	0.5 - 0.88 ft	1620	1280	227	10300	2.91 U	2.68 U	46.3 EMPC-J	14300
13B-0552-C3AS	0 - 0.5 ft	4940 J	4120 J	538 J	8530 J	6.01 UJ	5.6 UJ	226 EMPC-J	46100 J
13B-0552-C3BS	0.5 - 1.5 ft	9470	8690	1290	18900	10.6 U	9.83 U	368 EMPC-J	98400
13B-0552-C3CS	1.5 - 2.38 ft	32200 J	31600 J	2670 J	205000 J	39.1 UJ	36.4 UJ	1150 EMPC-J	321000 J
13B-0552-C3CT	1.5 - 2.38 ft	29000	24500	1960	209000 J	8.52 U	7.94 U	1030 EMPC-J	246000
13B-0553-C2AS	0 - 0.5 ft	1970	1630	16.2 U	1640	10.7 U	10.8 U	65.3 EMPC-J	16800
13B-0553-C2BS	0.5 - 1.5 ft	39.4 EMPC-J	72.6	11.3 U	30.8 J	4.4 U	4.11 U	10.8 U	498
13B-0553-C2CS	1.5 - 2.5 ft	23.5 U	8.01 U	14.5 U	18.5 U	8.93 U	8.34 U	14.1 U	36 U
13B-0553-C2DS	2.5 - 3.5 ft	56.4 U	14.2 U	36 U	30.6 U	15.9 U	14.8 U	35 U	21.1 U
13B-0554-C1AS	0 - 0.5 ft	1350	1090	15.2 U	2430	4.26 U	3.94 U	57.4	12000
13B-0554-C1BS	0.5 - 1.5 ft	3890	3290	25.1 U	5040	5.16 U	4.77 U	203 EMPC-J	37300
13B-0554-C1CS	1.5 - 2.5 ft	5310	4200	44.4 U	14100	6.07 U	5.61 U	182 EMPC-J	44200
13B-0554-C1ES	3.5 - 4.7 ft	18.3 U	5.52 U	11.2 U	16 U	6.2 U	5.73 U	11 U	45.2 U
13B-0555-C1AS	0 - 0.5 ft	58300 J	49400 J	86.2 UJ	399000 J	15 UJ	13.6 UJ	1800 EMPC-J	486000 J
13B-0555-C1BS	0.5 - 1.22 ft	14300 J	11200	38.6 U	118000	11.7 U	10.6 U	580 EMPC-J	115000
13B-0555-C2CS	1.5 - 2 ft	70900 J	58500 J	104 UJ	644000 J	15.6 UJ	14.1 UJ	2110 EMPC-J	571000 J
13B-0555-C2DS	2 - 3 ft	24900 J	19600 J	64.5 UJ	169000 J	16.9 UJ	15.2 UJ	876 EMPC-J	197000 J
13B-0556-C2AS	0 - 0.5 ft	3050 J	2580 J	17.4 UJ	3720 J	6.41 UJ	6.18 UJ	116 EMPC-J	29300 J
13B-0556-C2BS	0.5 - 1.5 ft	3660	2950	30.6 U	4310	9.13 U	8.8 U	132 EMPC-J	32100
13B-0556-C2CS	1.5 - 2.38 ft	1910	1690	17 U	3150	7.12 U	6.72 U	78.4 EMPC-J	18300
13B-0557-C2AS	0 - 0.5 ft	4220 J	3190 J	325 J	7330 J	2.85 UJ	2.64 UJ	134 J	34100 J
13B-0557-C2BS	0.5 - 1.5 ft	3970 J	3150 J	321 J	6570 J	2.77 UJ	2.57 UJ	133 J	33500 J
13B-0557-C2CS	1.5 - 2.5 ft	7380	5990	647	25400	3.27 U	3.03 U	258	64100
13B-0557-C2ES	3.5 - 4.5 ft	8430	6280	666	50000	1.92 U	1.85 U	303	67000
13B-0558-C2AS	0 - 0.5 ft	2040 J	1940 J	15.8 UJ	4480 J	7.34 UJ	7 UJ	74.3 EMPC-J	20400 J
13B-0558-C2BS	0.5 - 1.5 ft	634 J	763	24 U	2610	6.81 U	6.5 U	38	6860
13B-0558-C2CS	1.5 - 2.5 ft	48.2 J	61.8	14.3 U	57.9	5.23 U	4.99 U	13.8 U	540
13B-0558-C2FS	4.5 - 5.75 ft	12.7 UJ	7.03 U	8.6 U	20.8 U	7.38 U	7.04 U	8.29 U	23.3 U
13B-0559-C3AS	0 - 0.5 ft	1400	1240	24.3 U	2240	9.94 U	8.95 U	80.9 EMPC-J	13200
13B-0559-C3BS	0.5 - 1.5 ft	3460 J	2850 J	35.1 UJ	7300 J	9.54 UJ	8.59 UJ	173 EMPC-J	31000 J
13B-0559-C3CS	1.5 - 2.5 ft	6370	5170	42.6 U	28800	12.3 U	11.1 U	313	55500

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	9950	9130	48.1 U	52800 J	11.5 U	10.3 U	341 EMPC-J	93800
13B-0560-C1AS	0 - 0.5 ft	819	712	81.2 EMPC-J	1640	11.7 U	10.6 U	22.1 U	7560
13B-0560-C1BS	0.5 - 1.5 ft	2700	2280	327	6330	7.17 U	6.51 U	114 EMPC-J	24500
13B-0560-C1CS	1.5 - 2.5 ft	5700 J	4270 J	465 J	13900 J	8.58 UJ	7.79 UJ	163 J	44400 J
13B-0560-C1GS	5.14 - 5.86 ft	24.3 U	6.58 U	14.4 U	302	7.61 U	6.91 U	14.8 U	64.5 U
13B-0561-C1AS	0 - 0.5 ft	18200	13800	2370	128000	10.5 U	25.3 J	577	159000
13B-0561-C1BS	0.5 - 1.5 ft	9850	7360	1210	99200	13.5 U	13.1 U	292	84000
13B-0561-C1CS	1.5 - 2.5 ft	4860	3450	464	47100 J	9.34 U	9.07 U	145	39200
13B-0561-C1GS	5.5 - 6.5 ft	23.3 U	7.9 U	14 U	29.7 U	8.6 U	8.36 U	14.1 U	10.6 U
13B-0562-G2AS	0 - 0.5 ft	2760	1940	175	1650	8.31 U	7.99 U	57.5 EMPC-J	19900
13B-0563-C2AS	0 - 0.5 ft	224	187	8.13 U	784	4.2 U	3.87 U	7.74 U	1940

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-157	PCB-158	PCB-159	PCB-16	PCB-160	PCB-161	PCB-162	PCB-163
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.23	6.49	11.6	17	7.3	5.2	4.48	7.87
	Maximum Detect	78700	59800	4680	673000	72.6	25.3	3790	573000
	Mean of Detects	9760	7350	720	52300	33.4	16.2	450	69700
	St. Dev. of Detects	17000	12700	937	115000	21.1	8.04	656	121000
	CV of Detects	1.74	1.73	1.30	2.20	0.632	0.496	1.46	1.74
	% Detected	81.9	83.2	56.3	82.8	4.20	1.68	68.1	89.9
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	300	287	31.5 J	972	3.73 U	3.44 U	8.64 J	2840
13B-0563-C2BS	0.5 - 1.1 ft	149	110	23 J	454	3.36 U	3.09 U	6.66 U	1150
13B-0563-C2CS	1.1 - 2.5 ft	45900 J	37200 J	4240 J	673000 J	9.08 UJ	8.37 UJ	1190 J	390000 J
13B-0563-C2IS	7.5 - 8.28 ft	759	616	93.9	1740	3.42 U	3.05 U	17.2 EMPC-J	6480
13B-0564-G2AS	0 - 0.5 ft	6890 J	5390 J	704 J	15700 J	8.99 UJ	8.01 UJ	315 EMPC-J	56600 J
13B-0565-G1AS	0 - 0.5 ft	974	788	116	1420	9.68 U	9.31 U	50.5	8840
13B-0566-G3AS	0 - 0.5 ft	780	562	59.6	1120	10.2 U	9.84 U	19.5 U	6310
13B-0567-G2AS	0 - 0.5 ft	4200 J	3580 J	32.2 UJ	5620 J	6.31 UJ	6.02 UJ	218 EMPC-J	39400 J
13B-0568-G2AS	0 - 0.5 ft	16300 J	10700 J	1490 J	98700 J	9.4 UJ	9.03 UJ	657 EMPC-J	121000 J
13B-0570-G3AS	0 - 0.5 ft	3850 J	2800 J	378 J	7580 J	1.88 UJ	1.67 UJ	143 EMPC-J	29500 J
13B-0571-C3AS	0 - 0.5 ft	1360	1170	142	1620	1.88 U	1.67 U	62 EMPC-J	12500
13B-0571-C3BS	0.5 - 1.5 ft	872	835	128	293	1.14 U	1.01 U	46.3 EMPC-J	9330
13B-0571-C3CS	1.5 - 2.5 ft	57.2 J	73.8	16.6 J	17 J	1.13 U	1.01 U	4.48 J	821
13B-0571-C3MS	11 - 12 ft	1.92 U	1.08 U	1.23 U	3.19 U	1.23 U	1.09 U	1.24 U	13.3 U
13B-0572-C1AS	0 - 0.5 ft	150	133	17.1 U	408	8.94 U	7.99 U	16.9 U	1410
13B-0572-C1BS	0.5 - 1.5 ft	50.1 U	14.2 U	36 U	34.1 U	16.6 U	14.9 U	35.7 U	129 J
13B-0572-C1CS	1.5 - 2.27 ft	34.3 U	8.87 U	26.5 U	21.4 U	10.4 U	9.27 U	26.3 U	27.3 J
13B-0573-C2AS	0 - 0.5 ft	1180	941	114	4260	9.82 U	8.79 U	33.3 EMPC-J	10600
13B-0573-C2BS	0.5 - 1.5 ft	600	495	67.2	1240	7.5 U	6.71 U	21.2 EMPC-J	5280
13B-0573-C2CS	1.5 - 2.5 ft	3540	2820	296	12300 J	8.34 U	7.46 U	129	30400
13B-0573-C2DS	2.5 - 3.75 ft	22.1 U	21.4 J	13.3 U	63.8	7.73 U	7.51 U	13.5 U	187
13B-0574-C2AS	0 - 0.5 ft	5490	4120	368	37200	2.81 U	2.71 U	166 EMPC-J	43100
13B-0574-C2BS	0.5 - 1.5 ft	4950 J	3760	320	34200	2.15 U	2.08 U	132 EMPC-J	39000
13B-0574-C2CS	1.5 - 2.5 ft	10500	7400	605	41300	2.53 U	2.44 U	300 EMPC-J	77500
13B-0574-C2HS	6.4 - 7.4 ft	10800	7890	794	86100	2.92 U	2.82 U	308 EMPC-J	84600
13B-0575-C4AS	0 - 0.5 ft	31500 J	26500 J	2460 J	258000 J	12 UJ	11.2 UJ	1030 EMPC-J	275000 J
13B-0575-C4BS	0.5 - 1.5 ft	16300	14000	1130	123000	7.6 U	7.09 U	517 EMPC-J	138000
13B-0575-C4CS	1.5 - 2.5 ft	19.1 U	7.05 U	12.6 U	189	7.58 U	7.06 U	12.6 U	74.5 U
13B-0575-C4FS	4.3 - 5.44 ft	9.64 U	4.21 U	6.23 U	15.7 U	4.52 U	4.22 U	6.25 U	20.1 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-157**	**PCB-158**	**PCB-159**	**PCB-16**	**PCB-160**	**PCB-161**	**PCB-162**	**PCB-163**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**7.23**	**6.49**	**11.6**	**17**	**7.3**	**5.2**	**4.48**	**7.87**
	Maximum Detect	**78700**	**59800**	**4680**	**673000**	**72.6**	**25.3**	**3790**	**573000**
	Mean of Detects	**9760**	**7350**	**720**	**52300**	**33.4**	**16.2**	**450**	**69700**
	St. Dev. of Detects	**17000**	**12700**	**937**	**115000**	**21.1**	**8.04**	**656**	**121000**
	CV of Detects	**1.74**	**1.73**	**1.30**	**2.20**	**0.632**	**0.496**	**1.46**	**1.74**
	% Detected	**81.9**	**83.2**	**56.3**	**82.8**	**4.20**	**1.68**	**68.1**	**89.9**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	1600 J	1370 J	229 J	721 J	7.3 J	4.55 UJ	61 EMPC-J	15000 J
13B-0578-C5AS	0 - 0.5 ft	268	216	40.8 J	617	3.14 U	3.13 U	7.93 U	2190
13B-0578-C5BS	0.5 - 1.5 ft	442	361	142	2580	2.08 U	2.08 U	20.6 J	3520
13B-0578-C5CS	1.5 - 2.5 ft	74.5 EMPC-J	239	312	46.2 EMPC-J	5.36 U	4.84 U	37.1 U	1110
13B-0578-C5CT	1.5 - 2.5 ft	85.8 J	220	281	82	4.5 U	4.06 U	32 U	1220
13B-0578-C5GS	5.25 - 6.25 ft	9.95 U	2.91 U	6.64 U	9.64 U	3.4 U	3.07 U	6.65 U	78.5 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	794	5.28 U	1100	516	15700	12.6 U	1630	8530
13B-0501-C1BS	0.5 - 1.5 ft	454	2.13 U	780	210	5540	8.42 U	3000 J	1480
13B-0501-C1CS	1.5 - 2.5 ft	2330	3.15 U	4470	1220	26100	23 U	7100	5660
13B-0501-C1DS	2.5 - 3.07 ft	156	5.26 U	373	72.2 EMPC-J	2210	15.9 U	137 J	404
13B-0502-C2AS	0 - 0.5 ft	393	11.2 U	782	220	4770	32.9 U	2660	1510
13B-0502-C2BS	0.5 - 1.5 ft	2660	28	4450	1270	31600	58.2 U	20700	9040
13B-0502-C2CS	1.5 - 2.45 ft	11600	172	25200	6570	145000 J	132 U	145000 J	45800 J
13B-0503-C1AS	0 - 0.5 ft	123	7.98 U	259	63.2	1520	20.8 U	419	471
13B-0503-C1BS	0.5 - 1.5 ft	7.33 U	7.91 U	11.9 U	10.7 U	9.38 U	17 U	22 U	15.4 U
13B-0503-C1CS	1.5 - 2.5 ft	9.1 U	9.83 U	16.2 U	14.6 U	18.5 U	26.8 U	24.9 U	19.7 U
13B-0503-C1DS	2.5 - 2.5 ft	9.43 U	10.2 U	16 U	14.4 U	9.65 U	22.8 U	22.6 U	13.4 U
13B-0504-C4AS	0 - 0.5 ft	10100 J	37.8 J	24700 J	6210 J	128000 J	98.3 UJ	30300 J	33500 J
13B-0504-C4BS	0.5 - 1.5 ft	10600 J	12.2 UJ	27000 J	6690 J	129000 J	141 UJ	12700 J	34500 J
13B-0504-C4CS	1.5 - 2.5 ft	3550	14.7 EMPC-J	9800	2450	46300	50.9 U	2930	11300
13B-0504-C4KS	9.5 - 10.25 ft	18.1 J	3.26 U	97	19 J	382	19 U	145	49.6
13B-0505-C1AS	0 - 0.5 ft	2200 J	48.2 J	4630 J	1320 J	29500 J	66.7 UJ	9910 J	8440 J
13B-0505-C1BS	0.5 - 1.5 ft	694	8.69 U	1320	380	8590	46.4 U	6200	2600
13B-0505-C1CS	1.5 - 2.5 ft	5430	10 U	11800	3300	74100	194 U	63500	21600
13B-0505-C1FS	4.5 - 5.2 ft	13.8 U	15.3 U	31.9 U	30.5 U	37.9 U	54.4 U	25.3 U	26.9 U
13B-0506-C2AS	0 - 0.5 ft	2430	2.06 U	5890	1570	24400	20.7 U	2700	5610 J
13B-0506-C2BS	0.5 - 1.5 ft	132	1.9 U	185	58.8	2140	10.7 U	419	479 J
13B-0506-C2CS	1.5 - 2.5 ft	9.2 EMPC-J	2.63 U	16.4 J	3.7 U	169	5 U	36.1 J	34.4 J
13B-0507-C2AS	0 - 0.5 ft	18.9 J	4.66 U	52.6 J	6.86 EMPC-J	355	6.87 U	70.4	157 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	4.08 U	4.59 U	5.66 U	5 U	15.5 J	6.64 U	5.77 U	7.25 U
13B-0507-C2CS	1.5 - 2.5 ft	4.49 U	5.05 U	4.51 U	3.99 U	4.62 U	5.26 U	6.25 U	6.56 U
13B-0507-C2DS	2.5 - 3.5 ft	6.19 U	6.97 U	7.38 U	6.52 U	6.38 U	10.6 U	7.93 U	9.31 U
13B-0508-G3AS	0 - 0.5 ft	43.5	9.52 U	75.7	24.2 J	437	28.9 UJ	82.7	139
13B-0509-C1AS	0 - 0.5 ft	10500	39.9	26700	6960	127000 J	174 U	156000 J	33100
13B-0509-C1BS	0.5 - 1.5 ft	394	6.25 U	947	255	4780	88.6 UJ	6270	1170
13B-0509-C1CS	1.5 - 2.5 ft	10.8	7.66 U	32.9 U	31.9 U	94.8	96.4 U	35.8 U	22.4 U
13B-0509-C1ES	3.17 - 4.17 ft	7.64 U	8.75 U	36.9 U	35.8 U	32 U	92.1 U	30.5 U	23.5 U
13B-0510-C3AS	0 - 0.5 ft	3860	19.5 J	9670	2390	41600	16.3 U	15300	9610

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	189	2.46 U	427	101	2130	16.5 UJ	1220	471
13B-0511-C3AS	0 - 0.5 ft	2590 J	27.8 J	5300 J	1550 J	34300 J	60.9 UJ	9050 J	10700 J
13B-0511-C3BS	0.5 - 1.5 ft	2480	22.3 J	5230	1440	33100	49.7 U	10000	10300
13B-0511-C3CS	1.5 - 2.5 ft	6210	2.88 U	13200	3700	75100	77.7 U	69900	22800
13B-0511-C3HS	5.95 - 6.95 ft	2700	18.2 EMPC-J	5300	1500	36100	25.8 U	33500	10600
13B-0512-G1AS	0 - 0.5 ft	1850 J	1.88 UJ	3770 J	1020 J	24600 J	34.6 UJ	6260 J	7330 J
13B-0513-G1AS	0 - 0.5 ft	10600 J	13.2 UJ	23100 J	5710 J	119000 J	128 UJ	105000 J	30300 J
13B-0514-G1AS	0 - 0.5 ft	2220 J	19.7 EMPC-J	4890 J	1340 J	28100 J	49.6 UJ	10100 J	8360 J
13B-0515-C1AS	0 - 0.5 ft	553	4.78 U	1090	315	7080	18.7 U	1980	2020
13B-0515-C1BS	0.5 - 1.71 ft	3.41 U	3.73 U	4.04 U	3.73 U	57.1 J	11.8 UJ	10.9 U	14 J
13B-0515-C2CS	1.5 - 2.19 ft	3.67 U	4.01 U	5.62 U	5.19 U	27.8 EMPC-J	15 UJ	24.9 J	8.8 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	2270 J	22.1 J	4410 J	1290 J	27400 J	51.6 UJ	7890 J	8800 J
13B-0516-C2BS	0.5 - 1.5 ft	4440 J	31.7 EMPC-J	8000 J	2370 J	53500 J	110 UJ	23200 J	17900 J
13B-0516-C2CS	1.5 - 2.5 ft	9430 J	64.3 J	16300 J	4890 J	103000 J	232 UJ	86800 J	31900 J
13B-0516-C2LS	10.4 - 11.4 ft	7190	46.9 J	13700	3600	76200	19.8 U	73400	19600
13B-0517-G2AS	0 - 0.5 ft	99.3	3.27 U	221	55 J	1200	22 UJ	173	367
13B-0518-G1AS	0 - 0.5 ft	477	4.79 U	935	265	5760	16.7 U	1370	1750
13B-0518-G1AT	0 - 0.5 ft	544	4.14 U	1160	325	6770	19 U	2000	2070
13B-0519-C2AS	0 - 0.5 ft	2040 J	4.22 UJ	3850 J	1120 J	25000 J	200 UJ	6360 J	7140 J
13B-0519-C2BS	0.5 - 1.5 ft	1750	4.24 U	2950	879 J	22300	83.4 UJ	8570	6600
13B-0519-C2CS	1.5 - 2.5 ft	15300 J	10.4 UJ	35500 J	8610 J	170000 J	148 UJ	171000 J	44500 J
13B-0519-C2RS	16.1 - 17.1 ft	6.17 U	6.37 U	18 EMPC-J	14 UJ	86.2 J	29.1 UJ	18 J	30.3 J
13B-0520-G1AS	0 - 0.5 ft	1950 J	17.5 J	4230 J	977 J	26500 J	32.4 UJ	5850 J	7780 J
13B-0521-C2AS	0 - 0.5 ft	272	4.34 U	489	162	3670	38.1 U	995	2390
13B-0521-C2BS	0.5 - 1.5 ft	137	2.99 U	285	75.7	1620	16.1 U	569	493
13B-0521-C2CS	1.5 - 2.5 ft	395	4.11 U	834	224	5070	35.5 U	1030	1620
13B-0521-C2HS	6.5 - 7.63 ft	35900 J	10.1 UJ	85100 J	20900 J	405000 J	301 UJ	465000 J	101000 J
13B-0522-G1AS	0 - 0.5 ft	2540 J	28 J	5690 J	1340 J	36600 J	40.9 UJ	7600 J	11000 J
13B-0522-G1AT	0 - 0.5 ft	2480 J	31.7 J	5310 J	1280 J	33200 J	72.9 UJ	7610 J	9880 J
13B-0523-G2AS	0 - 0.5 ft	2530 J	2.81 UJ	5550 J	1530 J	34700 J	145 UJ	9410 J	10600 J
13B-0524-C1AS	0 - 0.5 ft	2280 J	25.4 J	5330 J	1370 J	30800 J	51.7 UJ	6370 J	9080 J
13B-0524-C1BS	0.5 - 1.5 ft	2870	7.85 U	6110	1630	40400	77 U	10100	12200

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	3730	8.1 U	8300	2210	53500	95.9 U	23200	16000
13B-0524-C1GS	5.39 - 6.39 ft	8150	11.3 U	20500	5450	113000	136 U	105000	33000
13B-0525-C1AS	0 - 0.5 ft	2650 J	29.7 J	5580 J	1490 J	34700 J	94 UJ	8870 J	10500 J
13B-0525-C1BS	0.5 - 1.5 ft	3420 J	22.7 EMPC-J	6860 J	1900 J	46100 J	173 UJ	11700 J	14400 J
13B-0525-C1CS	1.5 - 2.5 ft	5590 J	41.9 EMPC-J	9300 J	2590 J	69400 J	136 UJ	20200 J	21500 J
13B-0525-C1HS	6.42 - 7.42 ft	5780	37.1 J	15500	3930	70900	139 U	91400	21800
13B-0526-C1AS	0 - 0.5 ft	13800 J	20 UJ	33700 J	9120 J	168000 J	104 UJ	127000 J	46600 J
13B-0526-C1BS	0.5 - 1.5 ft	34600 J	23 UJ	86200 J	22700 J	400000 J	221 UJ	262000 J	115000 J
13B-0526-C1CS	1.5 - 2.5 ft	30700 J	16 UJ	75600 J	19900 J	354000 J	186 UJ	383000 J	98800 J
13B-0526-C1CT	1.5 - 2.5 ft	34300 J	96.8 J	80800 J	21100 J	388000 J	170 UJ	396000 J	100000 J
13B-0526-C1HS	6.5 - 7.62 ft	2620	10.9 U	5820	1590	30700	52 U	21100	7060
13B-0527-C2AS	0 - 0.5 ft	187	5.17 U	341	107	2340	19.5 UJ	549	697
13B-0527-C2BS	0.5 - 1.5 ft	3.47 U	3.72 U	9.56 EMPC-J	3.93 U	97.5	9.9 U	11.9 J	39.9 EMPC-J
13B-0527-C2CS	1.5 - 2.6 ft	3.47 U	3.72 U	4.09 U	3.84 U	12.8 EMPC-J	6.39 U	8.29 U	5.95 U
13B-0528-C3AS	0 - 0.5 ft	4300 J	4.83 UJ	9650 J	2650 J	52700 J	60 UJ	20100 J	16000 J
13B-0528-C3BS	0.5 - 1.5 ft	36100 J	16 UJ	92100 J	24200 J	415000 J	220 UJ	323000 J	112000 J
13B-0528-C3CS	1.5 - 2.5 ft	11100 J	16.5 UJ	27300 J	7170 J	128000 J	168 UJ	31100 J	31600 J
13B-0528-C3LS	10.5 - 11.54 ft	10.5 U	11.2 U	53.2 EMPC-J	40.5 J	4130	65.2 UJ	100	587
13B-0529-C2AS	0 - 0.5 ft	429	5.65 U	767	190	4490	18.3 U	4160	1100
13B-0529-C2BS	0.5 - 1.5 ft	58.5	3.49 U	126	32.8	677	11.7 U	290	201
13B-0529-C2CS	1.5 - 2.5 ft	27.2	5.12 U	39.2	9.96	257	8.36 U	65.9	62.4
13B-0529-C2ES	3.5 - 4.2 ft	4.14 U	4.44 U	7.03 U	6.27 U	28.1 U	17.8 U	13.9 U	11.5 U
13B-0530-C1AS	0 - 0.5 ft	353	9.51 U	683	182	3900	25 U	2840	1110
13B-0530-C1BS	0.5 - 1.5 ft	3590	9.47 U	6810	2000	43500	96.9 U	43400	14200
13B-0530-C1CS	1.5 - 1.8 ft	586	9.46 U	942	289	6600	383	19700	1900
13B-0531-C2AS	0 - 0.5 ft	214	2.58 U	457	113	2220	39.5 UJ	947	898
13B-0531-C2AT	0 - 0.5 ft	287	2.83 U	705	191	2880	16.7 U	739	713
13B-0531-C2BS	0.5 - 1.5 ft	287	2.51 U	596	112	2930	13.3 U	727	548
13B-0531-C2CS	1.5 - 2.5 ft	14.6 J	2.65 U	37.5 J	3.98 U	183	11.3 U	10.2 U	57.1 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	2.72 U	2.81 U	4.55 U	4.13 U	5.81 U	6.88 U	6.73 U	5.78 U
13B-0532-C1AS	0 - 0.5 ft	278	4.54 U	564	160	3430	14.1 U	1740	960
13B-0532-C1BS	0.5 - 1.5 ft	89.3	6.6 U	184	44 J	1070	28.8 UJ	436	319

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	12.4 J	4.7 U	26 J	6.3 U	239	19.9 UJ	55.6 EMPC-J	45.5 J
13B-0532-C1DS	2.5 - 3.73 ft	5.04 U	5.61 U	6.37 U	6.1 U	11 EMPC-J	14.7 U	10.1 U	8.84 U
13B-0533-C2AS	0 - 0.5 ft	3850 J	5.88 UJ	9010 J	2360 J	47600 J	75.7 UJ	18000 J	14000 J
13B-0533-C2AT	0 - 0.5 ft	3540 J	28.2 J	8100 J	2110 J	43100 J	65.8 UJ	14800 J	12800 J
13B-0533-C2BS	0.5 - 1.5 ft	30900 J	11.7 UJ	76300 J	18900 J	346000 J	90.8 UJ	446000 J	94000 J
13B-0533-C2CS	1.5 - 2.5 ft	9590 J	9.61 UJ	21800 J	5470 J	110000 J	73.3 UJ	55900 J	28800 J
13B-0533-C2JS	8.5 - 9.62 ft	759	6.49 U	3040	642	16000	59.5 U	1210	3970
13B-0533-C2JT	8.5 - 9.62 ft	719	19.8 J	2750	573	15700	54.4 U	1080	4080
13B-0534-C2AS	0 - 0.5 ft	15900 J	11.8 UJ	38200 J	10100 J	178000 J	79.9 UJ	186000 J	48900 J
13B-0534-C2AT	0 - 0.5 ft	13700 J	42.2 EMPC-J	35800 J	9640 J	162000 J	105 UJ	171000 J	45700 J
13B-0534-C2BS	0.5 - 1.5 ft	7850	13.4 U	17400	4870	94600	91.2 U	55000	24500
13B-0534-C2CS	1.5 - 2.5 ft	2060	27 EMPC-J	5000	1430	37900	76.4 U	655	11900
13B-0534-C2IS	7.5 - 8.59 ft	264	9.79 J	601	244	8600	44 U	225	2470
13B-0535-C2AS	0 - 0.5 ft	2540 J	6.94 UJ	6250 J	1660 J	34600 J	155 EMPC-J	11300 J	10700 J
13B-0535-C2BS	0.5 - 1.5 ft	75.8	7.48 U	108 EMPC-J	43.9 J	946	50.8 U	227	280
13B-0535-C2CS	1.5 - 2.45 ft	5.46 U	5.83 U	8.7 U	8.18 U	60.6 J	16.2 U	15.7 U	15.7 J
13B-0536-C1AS	0 - 0.5 ft	1520 J	19.4 J	3260 J	901 J	20000 J	43.6 UJ	4840 J	5820 J
13B-0536-C1BS	0.5 - 1.5 ft	32.6 J	1.98 U	88.1 J	24.9 J	485	7.7 U	183	98.7
13B-0536-C1CS	1.5 - 2.5 ft	9.22 EMPC-J	2.16 U	22.3 J	5.96 U	122	12.7 U	81.2	28.2 J
13B-0536-C1FS	4.28 - 5.28 ft	2.58 U	2.89 U	7.55 U	6.46 U	22.4 U	23.2 UJ	8.89 J	10.2 J
13B-0537-C3AS	0 - 0.5 ft	562	2.91 U	1300	333	6410	19.7 U	3280	1840
13B-0538-C3AS	0 - 0.5 ft	30900 J	89.9 J	77600 J	21600 J	349000 J	125 UJ	402000 J	96500 J
13B-0538-C3BS	0.5 - 1.5 ft	30500 J	77.8 J	79000 J	22200 J	366000 J	173 UJ	386000 J	103000 J
13B-0538-C3CS	1.5 - 2.5 ft	22300 J	71.2 EMPC-J	60000 J	16200 J	256000 J	162 UJ	333000 J	65200 J
13B-0538-C3ES	3.5 - 4.8 ft	5.46 U	6.12 U	9.07 U	8.65 U	31.5 U	20.3 U	78.1	9.87 U
13B-0539-C3AS	0 - 0.5 ft	5650 J	4.93 UJ	12600 J	3190 J	70300 J	101 UJ	46800	18900
13B-0539-C3AT	0 - 0.5 ft	8180	5.07 U	15900	4080	94100	145 U	67900	23900
13B-0539-C3BS	0.5 - 1.5 ft	3420	10.1 U	7830	1940	45300	135 U	2570	12100
13B-0539-C3CS	1.5 - 2.5 ft	1520	8.68 U	2330	803	40800	119 U	1710	12500
13B-0539-C3HS	6.5 - 7.59 ft	3.5 U	3.4 U	8.94 U	8.26 U	15.9 EMPC-J	37.1 UJ	9.28 U	13.1 U
13B-0540-C4AS	0 - 0.5 ft	2800 J	30 J	6030 J	1610 J	33000 J	43.2 UJ	7150 J	9200 J
13B-0540-C4BS	0.5 - 1.5 ft	4370 J	32.5 J	9650 J	2580 J	50900 J	49.8 UJ	39200 J	13300 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	24900 J	85.6 J	59900 J	15800 J	287000 J	134 UJ	335000 J	79300 J
13B-0540-C4LS	10.3 - 11.25 ft	7.29 U	8 U	12 U	11 U	26.6 J	13.2 U	16.2 U	11.9 U
13B-0541-C1AS	0 - 0.5 ft	3250 J	8.37 UJ	7670 J	2030 J	40000 J	231 J	66000 J	11600 J
13B-0541-C1BS	0.5 - 1.5 ft	2830	9.25 U	7080	1850	35100	150	124000	10100
13B-0541-C1CS	1.5 - 2.5 ft	972	3.87 U	1970	490	11300	92.3 EMPC-J	11300	3030
13B-0541-C1FS	4.5 - 5.67 ft	5.13 U	5.67 U	10.5 U	9.92 U	17.9 EMPC-J	14.1 U	19.4 U	12.6 U
13B-0542-C2AS	0 - 0.5 ft	63.4 EMPC-J	6.34 U	141 EMPC-J	58.4	1560	54.3 U	429	428
13B-0542-C2BS	0.5 - 1.5 ft	4.3 U	4.59 U	12.2 U	11.4 U	15.9 EMPC-J	22.4 U	12.7 U	8.43 U
13B-0542-C2CS	1.5 - 2.5 ft	5.79 U	6.18 U	14.3 U	13.5 U	12.5 EMPC-J	27.2 U	14.2 U	11.2 U
13B-0542-C2HS	6.5 - 7.55 ft	3.91 U	4.17 U	7.5 U	7.05 U	7.66 EMPC-J	23.7 UJ	12 U	7.14 U
13B-0543-G1AS	0 - 0.5 ft	1790 J	2.43 UJ	3740 J	1000 J	20500 J	31.7 UJ	6670 J	6310 J
13B-0544-C2AS	0 - 0.5 ft	1730 J	3.79 UJ	3340 J	930 J	20000 J	73 UJ	5500 J	6150 J
13B-0544-C2BS	0.5 - 1.5 ft	2490	5.45 U	5940	1460	30000	232 UJ	7830	8980
13B-0544-C2CS	1.5 - 2.5 ft	4010	7.93 U	6950	2000	48100	212 UJ	13600	15800
13B-0544-C2ES	3 - 3.97 ft	1230	4.54 U	2210	654	17100	107 UJ	6160	5230
13B-0546-G2AS	0 - 0.5 ft	202	28.2 J	383	91.5	2290	23.2 U	1520	545
13B-0547-C2AS	0 - 0.5 ft	21200 J	8.79 UJ	54600 J	13500 J	246000 J	172 UJ	388000 J	66600 J
13B-0547-C2BS	0.5 - 1.5 ft	9030 J	13.1 UJ	20500 J	5130 J	112000 J	323 UJ	98300 J	32400 J
13B-0547-C2CS	1.5 - 2.05 ft	253	9.44 U	335	153	7790	96.4 U	944	1670
13B-0547-C2HS	6.5 - 7.15 ft	4.93 U	5.18 U	7.25 U	4.85 U	21.1	6.28 U	8.45 U	12.5 J
13B-0548-C1AS	0 - 0.5 ft	1150	4.04 U	2310	606	13500	94.7	7060	3950
13B-0548-C1BS	0.5 - 1.5 ft	1570	4.53 U	3240	870	17200	131	5940	4640
13B-0548-C1BT	0.5 - 1.5 ft	1220	5.98 U	2630	648	14100	132 EMPC-J	5460	4220
13B-0548-C1CS	1.5 - 2.5 ft	2300	7.17 U	4120	1240	30200	333	12200	9490
13B-0548-C1IS	7.5 - 8.79 ft	5.72 U	5.85 U	9.25 U	8.38 U	5.48 U	14.6 U	15.3 U	11.5 U
13B-0549-C3AS	0 - 0.5 ft	1280	4.76 U	2560	708	16300	144	3480	6500
13B-0549-C3BS	0.5 - 1.5 ft	5.84 U	6.05 U	16.7 U	15.5 U	30.8 U	39 U	20.5 U	14.7 U
13B-0549-C3CS	1.5 - 2.65 ft	4.39 U	4.55 U	13.4 U	12.4 U	4.36 U	34.1 U	12.9 U	11.3 U
13B-0550-C3AS	0 - 0.5 ft	1350 J	12.4 EMPC-J	3520 J	864 J	17400 J	27.3 UJ	4140 J	5030 J
13B-0550-C3BS	0.5 - 1.5 ft	336	1.96 U	801	203	4410	18 U	2170	1210
13B-0550-C3CS	1.5 - 2.5 ft	1.94 U	2.21 U	3.94 U	3.55 U	15.9 U	5.64 U	7.24 U	4.46 U
13B-0550-C3FS	4.5 - 5.37 ft	1.44 U	1.64 U	2.21 U	1.98 U	13.2 U	4.66 U	6.36 U	5.37 EMPC-J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	1230	10.8 J	2940	740	15700	43.2 U	12900	4280
13B-0551-C2BS	0.5 - 0.88 ft	920	3.01 U	2230	530	12100	46.8 U	11700	3360
13B-0552-C3AS	0 - 0.5 ft	3000 J	6.09 UJ	5930 J	1610 J	35200 J	80.8 UJ	10600 J	10600 J
13B-0552-C3BS	0.5 - 1.5 ft	6380	10.7 U	11100	3280	81400	155 U	26200	27300
13B-0552-C3CS	1.5 - 2.38 ft	19700 J	39.6 UJ	36300 J	9920 J	229000 J	204 UJ	206000 J	52500 J
13B-0552-C3CT	1.5 - 2.38 ft	15600	9.14 U	35300	9100	187000	197 U	217000 J	48200
13B-0553-C2AS	0 - 0.5 ft	978	11.9 U	2390	635	12700	42.4 U	2290	2810
13B-0553-C2BS	0.5 - 1.5 ft	27.9 EMPC-J	4.74 U	50.9 J	20.9 EMPC-J	2440	15.7 U	35.9 J	451
13B-0553-C2CS	1.5 - 2.5 ft	8.7 U	9.19 U	16.7 U	15.6 U	38.5 U	34.3 U	14.1 U	14.5 U
13B-0553-C2DS	2.5 - 3.5 ft	15.4 U	16.3 U	41.4 U	38.5 U	39.4 U	68.1 U	23.4 U	33.6 U
13B-0554-C1AS	0 - 0.5 ft	899	23.3 EMPC-J	1750	503	9860	47.9 U	3190	3190
13B-0554-C1BS	0.5 - 1.5 ft	2740	5.12 U	5070	1450	32700	77.2 U	6910	9740
13B-0554-C1CS	1.5 - 2.5 ft	3330	18.8 EMPC-J	7020	1920	38600	121 U	17600	12100
13B-0554-C1ES	3.5 - 4.7 ft	6.08 U	6.16 U	13.2 U	13 U	38 U	33.2 U	11.7 U	13.5 U
13B-0555-C1AS	0 - 0.5 ft	33000 J	109 EMPC-J	75000 J	16700 J	371000 J	150 UJ	411000 J	103000 J
13B-0555-C1BS	0.5 - 1.22 ft	8170	39.5	18800	4190 J	94400	59.8 UJ	141000	24900
13B-0555-C2CS	1.5 - 2 ft	38100 J	118 J	89500 J	19800 J	445000 J	233 UJ	641000 J	118000 J
13B-0555-C2DS	2 - 3 ft	13500 J	62.5 J	31900 J	7270 J	158000 J	108 UJ	183000 J	42200 J
13B-0556-C2AS	0 - 0.5 ft	1850 J	14.2 EMPC-J	3870 J	1130 J	24500 J	42 UJ	5240 J	10500 J
13B-0556-C2BS	0.5 - 1.5 ft	2140	17.9 EMPC-J	4200	1370	30600	51.8 U	6530	14500
13B-0556-C2CS	1.5 - 2.38 ft	1320	7.57 U	2800	754	16800	53.1 UJ	4320	5030
13B-0557-C2AS	0 - 0.5 ft	2390 J	2.89 UJ	5550 J	1410 J	25600 J	34 UJ	10100 J	7400 J
13B-0557-C2BS	0.5 - 1.5 ft	2330 J	2.81 UJ	5040 J	1370 J	24800 J	36.2 UJ	8850 J	7440 J
13B-0557-C2CS	1.5 - 2.5 ft	4500	3.32 U	9180	2470	50700	368	38000	14900 J
13B-0557-C2ES	3.5 - 4.5 ft	4440	2 U	10200	2720	52200	23.1 U	59300	14100
13B-0558-C2AS	0 - 0.5 ft	1360 J	23.2 J	2830 J	627 J	16900 J	36.7 UJ	6830 J	5160 J
13B-0558-C2BS	0.5 - 1.5 ft	454	27.3	910	237 J	12100	42.7 UJ	3930	2380
13B-0558-C2CS	1.5 - 2.5 ft	43.2	5.77 U	40.2 EMPC-J	22.7 J	1340	20.4 UJ	75.2	278
13B-0558-C2FS	4.5 - 5.75 ft	7.1 U	8.15 U	10 U	7.84 UJ	21.7 U	13.1 UJ	15.9 U	12 U
13B-0559-C3AS	0 - 0.5 ft	912	9.86 U	1800	500	11200	37.3 U	3090	4370
13B-0559-C3BS	0.5 - 1.5 ft	2160 J	14.5 J	4780 J	1250 J	25800 J	61.6 UJ	10300 J	8220 J
13B-0559-C3CS	1.5 - 2.5 ft	3970	42	8260	2130	44800	74.4 U	36300	13800

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	6300	94.2	14200	3430	73300	100 U	61900 J	19000
13B-0560-C1AS	0 - 0.5 ft	461	11.4 U	1100	277	6010	38.1 U	2260	1620
13B-0560-C1BS	0.5 - 1.5 ft	1560	15.1 J	3430	944	20200	73.9 U	8860	6210
13B-0560-C1CS	1.5 - 2.5 ft	2800 J	8.37 UJ	7150 J	1810 J	32400 J	118 UJ	23200 J	8650 J
13B-0560-C1GS	5.14 - 5.86 ft	6.6 U	7.42 U	17.2 U	16.7 U	52.2 U	26.1 U	249	17.7 U
13B-0561-C1AS	0 - 0.5 ft	10600	68.1 EMPC-J	22200	6260	134000	149 U	148000	41600
13B-0561-C1BS	0.5 - 1.5 ft	5620	14.2 U	12000	3460	72100	96.8 U	110000	24300
13B-0561-C1CS	1.5 - 2.5 ft	2150	33.2 EMPC-J	5690	1540	29400	76.3 U	62800 J	9820
13B-0561-C1GS	5.5 - 6.5 ft	8.28 U	9.06 U	17 U	16 U	8.44 U	33.3 U	22.6 U	17.6 U
13B-0562-G2AS	0 - 0.5 ft	1280	8.74 U	3220	881	12500	36.6 U	1840	3560
13B-0563-C2AS	0 - 0.5 ft	130	4.34 U	312	75.2	1480	20.1 U	915	437

APPENDIX I
DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.2	2.91	9.56	6.86	7.66	40.7	8.89	5.37
	Maximum Detect	38100	172	92100	24200	445000	383	679000	118000
	Mean of Detects	5060	39.3	11700	3140	54900	178	54100	16000
	St. Dev. of Detects	8160	31.3	19800	5110	91300	111	114000	25000
	CV of Detects	1.61	0.798	1.69	1.63	1.66	0.622	2.10	1.56
	% Detected	81.5	24.8	81.5	79.0	89.5	5.46	84.5	85.3
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	200	3.86 U	467	100	2110	22.7 U	1220	617
13B-0563-C2BS	0.5 - 1.1 ft	72.4	3.47 U	200	49	873	20 U	531	267
13B-0563-C2CS	1.1 - 2.5 ft	25300 J	9.39 UJ	59100 J	13800 J	308000 J	316 UJ	679000 J	85000 J
13B-0563-C2IS	7.5 - 8.28 ft	406	8.16 EMPC-J	1140	246	5350	22.2 U	1960	1240
13B-0564-G2AS	0 - 0.5 ft	4000 J	8.72 UJ	8750 J	2340 J	46300 J	89.7 UJ	18500 J	14100 J
13B-0565-G1AS	0 - 0.5 ft	568	10.2 U	1280	369	7170	34.6 U	1810	2210
13B-0566-G3AS	0 - 0.5 ft	413	10.8 U	955	267	4850	34.4 U	4230	1440
13B-0567-G2AS	0 - 0.5 ft	2390 J	26.7 EMPC-J	5710 J	1350 J	33800 J	47.5 UJ	7720 J	10600 J
13B-0568-G2AS	0 - 0.5 ft	8110 J	9.88 UJ	21100 J	5270 J	94500 J	133 UJ	107000 J	26400 J
13B-0570-G3AS	0 - 0.5 ft	2070 J	1.8 UJ	4570 J	1290 J	23900 J	53.7 UJ	9120 J	7410 J
13B-0571-C3AS	0 - 0.5 ft	850	1.8 U	1770	523	9770	58.9	2350	3160
13B-0571-C3BS	0.5 - 1.5 ft	646	2.91 J	1290	396	7520	40.7 J	328	2480
13B-0571-C3CS	1.5 - 2.5 ft	68.5	1.09 U	129	39.7 J	633	4.86 U	15.8 J	236
13B-0571-C3MS	11 - 12 ft	1.18 U	1.17 U	1.44 U	1.42 U	11.4 U	2.35 U	2.42 U	6.34 J
13B-0572-C1AS	0 - 0.5 ft	81.8	9 U	204	36.4 EMPC-J	1270	33.3 U	362	376
13B-0572-C1BS	0.5 - 1.5 ft	15.5 U	16.8 U	43.1 U	37.9 U	136	54.7 U	25.5 U	37.5 U
13B-0572-C1CS	1.5 - 2.27 ft	9.67 U	10.4 U	31.7 U	27.9 U	26 EMPC-J	47.4 U	16 U	23.4 U
13B-0573-C2AS	0 - 0.5 ft	650	9.9 U	1410	349	7790	44.2 U	5010	2030
13B-0573-C2BS	0.5 - 1.5 ft	357	7.56 U	789	207	3740	30 U	1610	1050
13B-0573-C2CS	1.5 - 2.5 ft	1890	8.4 U	4180	1090	22600	53.4 U	13700 J	5830
13B-0573-C2DS	2.5 - 3.75 ft	18.7 EMPC-J	8.14 U	16.2 U	15.3 U	136	32.2 U	73.1	38 J
13B-0574-C2AS	0 - 0.5 ft	2890	2.93 U	7030	1690	31500	20.3 U	39300	8080
13B-0574-C2BS	0.5 - 1.5 ft	2500	2.24 U	6580	1500 J	27200	12.6 U	36200	6490
13B-0574-C2CS	1.5 - 2.5 ft	5270	2.64 U	12600	3190	54500	30 UJ	43600	13300
13B-0574-C2HS	6.4 - 7.4 ft	5830	3.04 U	12700	3330	64900	27.8 U	88400	18800
13B-0575-C4AS	0 - 0.5 ft	17200 J	12.8 UJ	38400 J	9840 J	215000 J	192 UJ	284000 J	57400 J
13B-0575-C4BS	0.5 - 1.5 ft	8690	30.9 J	19200	4990	106000	256 UJ	131000	26600
13B-0575-C4CS	1.5 - 2.5 ft	6.96 U	8.13 U	15 U	13.7 U	63.2 U	42.5 U	176	17.6 U
13B-0575-C4FS	4.3 - 5.44 ft	4.15 U	4.85 U	7.43 U	6.79 U	13.3 U	17.6 U	13.4 J	11.1 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-164**	**PCB-165**	**PCB-166**	**PCB-167**	**PCB-168**	**PCB-169**	**PCB-17**	**PCB-170**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.2**	**2.91**	**9.56**	**6.86**	**7.66**	**40.7**	**8.89**	**5.37**
	Maximum Detect	**38100**	**172**	**92100**	**24200**	**445000**	**383**	**679000**	**118000**
	Mean of Detects	**5060**	**39.3**	**11700**	**3140**	**54900**	**178**	**54100**	**16000**
	St. Dev. of Detects	**8160**	**31.3**	**19800**	**5110**	**91300**	**111**	**114000**	**25000**
	CV of Detects	**1.61**	**0.798**	**1.69**	**1.63**	**1.66**	**0.622**	**2.10**	**1.56**
	% Detected	**81.5**	**24.8**	**81.5**	**79.0**	**89.5**	**5.46**	**84.5**	**85.3**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	1070 J	5.24 UJ	2140 J	571 J	12000 J	52.8 UJ	919 J	3870 J
13B-0578-C5AS	0 - 0.5 ft	147	3.37 U	305	92	2000	19.7 U	687	524
13B-0578-C5BS	0.5 - 1.5 ft	353	2.23 U	505	161	4460	56 UJ	2860	1170
13B-0578-C5CS	1.5 - 2.5 ft	86	5.25 U	43.5 U	39.7 U	6160	55.7 U	62.1 EMPC-J	1030
13B-0578-C5CT	1.5 - 2.5 ft	93.4	4.4 U	37.6 U	59.9 EMPC-J	7010	91.2 U	97.7	1120
13B-0578-C5GS	5.25 - 6.25 ft	3.01 U	3.33 U	16.5 EMPC-J	7.13 U	52.8 J	30.4 UJ	7.41 U	10.6 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	2500	1610	2500	8690	370	979	4970	2450
13B-0501-C1BS	0.5 - 1.5 ft	553	272	553	2070	64.7	229	1160	418
13B-0501-C1CS	1.5 - 2.5 ft	2130	1070	2130	7490	262	850	4210	1560
13B-0501-C1DS	2.5 - 3.07 ft	152	93.9	152	944	36.4 J	132	410	258
13B-0502-C2AS	0 - 0.5 ft	458	304	458	1910	82.5	214	972	401
13B-0502-C2BS	0.5 - 1.5 ft	3040	1720	3040	11200	469	1360	6200	2300
13B-0502-C2CS	1.5 - 2.45 ft	14800	8100	14800	54600 J	2100	6390	29500	10700
13B-0503-C1AS	0 - 0.5 ft	160	82 EMPC-J	160	560	25.7	78.3	300	130
13B-0503-C1BS	0.5 - 1.5 ft	15.9 U	15.4 U	15.9 U	15.5 U	14.1 U	8.11 U	15.7 U	11.6 U
13B-0503-C1CS	1.5 - 2.5 ft	18.8 U	18.2 U	18.8 U	18.2 U	16.6 U	8.67 U	18.5 U	12.4 U
13B-0503-C1DS	2.5 - 2.5 ft	13.4 U	12.9 U	13.4 U	13 U	11.8 U	7.36 U	13.2 U	10.6 U
13B-0504-C4AS	0 - 0.5 ft	10500 J	5890 J	10500 J	43600 J	1640 J	4440 J	22100 J	7540 J
13B-0504-C4BS	0.5 - 1.5 ft	10700 J	5870 J	10700 J	44100 J	1610 J	4460 J	22200 J	6920 J
13B-0504-C4CS	1.5 - 2.5 ft	3710	2100	3710	15200	611	1610	7730	2720
13B-0504-C4KS	9.5 - 10.25 ft	22.2 J	13.9 EMPC-J	22.2 J	194	9.02 J	14.4 EMPC-J	67.5	82.4
13B-0505-C1AS	0 - 0.5 ft	2920 J	1670 J	2920 J	11200 J	440 J	1170 J	6660 J	2270 J
13B-0505-C1BS	0.5 - 1.5 ft	886	493	886	3220	134	414	1790	689
13B-0505-C1CS	1.5 - 2.5 ft	8010	4260	8010	30800	35.2 U	3260	17100	5570
13B-0505-C1FS	4.5 - 5.2 ft	27.4 U	26.6 U	27.4 U	26.3 U	24.5 U	12.8 U	27.6 U	18.3 U
13B-0506-C2AS	0 - 0.5 ft	1960	1060	1960	6410	279	744	3580	1370
13B-0506-C2BS	0.5 - 1.5 ft	182	7.35 U	182	1080	63.1	135	515	460
13B-0506-C2CS	1.5 - 2.5 ft	13.5 EMPC-J	14 EMPC-J	13.5 EMPC-J	76.7	3.88 U	10.8 J	38 J	28.5 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	28.7 EMPC-J	17.7 EMPC-J	28.7 EMPC-J	128	6.18 U	13.1 J	63.9	23.1 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	7.77 U	7.32 U	7.77 U	7.72 U	6.51 U	4.06 U	7.84 U	5.85 U
13B-0507-C2CS	1.5 - 2.5 ft	6.81 U	6.42 U	6.81 U	6.77 U	5.71 U	4.14 U	6.88 U	5.96 U
13B-0507-C2DS	2.5 - 3.5 ft	9.91 U	9.34 U	9.91 U	9.85 U	8.31 U	6.25 U	10 U	9.01 U
13B-0508-G3AS	0 - 0.5 ft	38 EMPC-J	19.4 U	38 EMPC-J	183	18 U	24.2	102	27.9 EMPC-J
13B-0509-C1AS	0 - 0.5 ft	10900	5810	10900	41000 J	1550	4290	20700	6820
13B-0509-C1BS	0.5 - 1.5 ft	415	238	415	1740	65.1 EMPC-J	185	873	531
13B-0509-C1CS	1.5 - 2.5 ft	19.8 U	19.1 U	19.8 U	38.4 EMPC-J	17.9 U	5.43 U	19.7 U	21.3
13B-0509-C1ES	3.17 - 4.17 ft	23.5 U	22.8 U	23.5 U	23.8 U	21.2 U	8.6 U	23.4 U	12.6 U
13B-0510-C3AS	0 - 0.5 ft	3180	1660	3180	11600	444	1290	6310	2220

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	157	89.9	157	610	23.4 J	76.2	325	134
13B-0511-C3AS	0 - 0.5 ft	3740 J	2030 J	3740 J	14100 J	556 J	1480 J	8190 J	2670 J
13B-0511-C3BS	0.5 - 1.5 ft	3740	1870	3740	14200	559	1440	7390	2510
13B-0511-C3CS	1.5 - 2.5 ft	8170	4130	8170	30500	1150	3160	16100	4920
13B-0511-C3HS	5.95 - 6.95 ft	3450	2160	3450	15200	579	1670	8240	3350
13B-0512-G1AS	0 - 0.5 ft	2460 J	1390 J	2460 J	10000 J	384 J	1050 J	5590 J	1940 J
13B-0513-G1AS	0 - 0.5 ft	10700 J	5510 J	10700 J	38400 J	1500 J	4120 J	20600 J	6630 J
13B-0514-G1AS	0 - 0.5 ft	2800 J	1540 J	2800 J	10900 J	429 J	1110 J	5850 J	2090 J
13B-0515-C1AS	0 - 0.5 ft	617	366	617	2450	100	265	1370	513
13B-0515-C1BS	0.5 - 1.71 ft	7.62 U	7.58 U	7.62 U	23.3 J	6.95 U	4.1 U	10.9 EMPC-J	6.08 U
13B-0515-C2CS	1.5 - 2.19 ft	7.7 U	7.65 U	7.7 U	12.3 J	7.01 U	4.24 U	7.85 U	6.29 U
13B-0516-C2AS	0 - 0.5 ft	3080 J	1600 J	3080 J	11700 J	462 J	1220 J	6410 J	2110 J
13B-0516-C2BS	0.5 - 1.5 ft	6240 J	3290 J	6240 J	24200 J	969 J	2390 J	12900 J	3950 J
13B-0516-C2CS	1.5 - 2.5 ft	11100 J	6110 J	11100 J	41600 J	1630 J	4300 J	23500 J	7190 J
13B-0516-C2LS	10.4 - 11.4 ft	6700	3890	6700	27800	1070	2790	15800	5000
13B-0517-G2AS	0 - 0.5 ft	110	73	110	461	13.4 EMPC-J	48.8	246	95.9
13B-0518-G1AS	0 - 0.5 ft	544	308	544	2070	90.3	232	1130	424
13B-0518-G1AT	0 - 0.5 ft	688	383	688	2570	102	276	1400	561
13B-0519-C2AS	0 - 0.5 ft	2290 J	1290 J	2290 J	9300 J	340 J	1100 J	4830 J	1950 J
13B-0519-C2BS	0.5 - 1.5 ft	2020	1190	2020	8930	321	1020	4460	1840
13B-0519-C2CS	1.5 - 2.5 ft	14400 J	7940 J	14400 J	57500 J	2060 J	6680 J	29100 J	11100 J
13B-0519-C2RS	16.1 - 17.1 ft	17.8 U	17.7 U	17.8 U	18.5 U	16.3 U	6.26 U	18.3 U	9.09 U
13B-0520-G1AS	0 - 0.5 ft	2500 J	1380 J	2500 J	10100 J	398 J	1030 J	5420 J	1840 J
13B-0521-C2AS	0 - 0.5 ft	632	450	632	2000	95	195	1240	404
13B-0521-C2BS	0.5 - 1.5 ft	167	91.1	167	585	21.8 EMPC-J	67.6	301	117 EMPC-J
13B-0521-C2CS	1.5 - 2.5 ft	522	270	522	1930	75.8	226	1050	385
13B-0521-C2HS	6.5 - 7.63 ft	33800 J	18500 J	33800 J	133000 J	4950 J	14000 J	68700 J	22900 J
13B-0522-G1AS	0 - 0.5 ft	3590 J	2060 J	3590 J	15500 J	569 J	1530 J	8040 J	2710 J
13B-0522-G1AT	0 - 0.5 ft	3370 J	1840 J	3370 J	13200 J	526 J	1380 J	7240 J	2650 J
13B-0523-G2AS	0 - 0.5 ft	3220 J	1910 J	3220 J	12000 J	497 J	1430 J	7010 J	2820 J
13B-0524-C1AS	0 - 0.5 ft	3260 J	1600 J	3260 J	12200 J	499 J	1310 J	6380 J	2170 J
13B-0524-C1BS	0.5 - 1.5 ft	4430	2210	4430	17000	692	1720	8510	2770

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	5440	2830	5440	21600	856	2210	10800	3600
13B-0524-C1GS	5.39 - 6.39 ft	11300	6070	11300	43500	1650	4230	22700	7100
13B-0525-C1AS	0 - 0.5 ft	3540 J	1930 J	3540 J	13800 J	545 J	1470 J	7300 J	2560 J
13B-0525-C1BS	0.5 - 1.5 ft	4780 J	2500 J	4780 J	18400 J	721 J	2050 J	9310 J	3560 J
13B-0525-C1CS	1.5 - 2.5 ft	6840 J	3740 J	6840 J	26500 J	1080 J	3160 J	14400 J	5600 J
13B-0525-C1HS	6.42 - 7.42 ft	7280	3930	7280	27600	1040	2850	14400	4640
13B-0526-C1AS	0 - 0.5 ft	14900 J	8190 J	14900 J	57600 J	2380 J	5650 J	30500 J	10400 J
13B-0526-C1BS	0.5 - 1.5 ft	37200 J	69.5 UJ	37200 J	144000 J	5910 J	13900 J	75000 J	23900 J
13B-0526-C1CS	1.5 - 2.5 ft	34400 J	19300 J	34400 J	140000 J	5750 J	11500 J	71100 J	22100 J
13B-0526-C1CT	1.5 - 2.5 ft	33400 J	18600 J	33400 J	137000 J	5440 J	12400 J	68100 J	24800 J
13B-0526-C1HS	6.5 - 7.62 ft	2400	1390	2400	9560	380	908	5060	1720
13B-0527-C2AS	0 - 0.5 ft	214	135	214	800	38.8 J	86.4	468	168
13B-0527-C2BS	0.5 - 1.5 ft	10.6 EMPC-J	10.5 EMPC-J	10.6 EMPC-J	66.2	6.08 U	3.31 U	30.3 J	11.9 EMPC-J
13B-0527-C2CS	1.5 - 2.6 ft	5.93 U	5.72 U	5.93 U	5.82 U	5.25 U	3.93 U	5.95 U	5.74 U
13B-0528-C3AS	0 - 0.5 ft	5020 J	2840 J	5020 J	19400 J	761 J	2050 J	10500 J	3560 J
13B-0528-C3BS	0.5 - 1.5 ft	36600 J	20300 J	36600 J	143000 J	5820 J	13200 J	74300 J	23000 J
13B-0528-C3CS	1.5 - 2.5 ft	10100 J	5530 J	10100 J	40900 J	1640 J	3770 J	20600 J	6650 J
13B-0528-C3LS	10.5 - 11.54 ft	189	580	189	4500	183	290	1430	1990
13B-0529-C2AS	0 - 0.5 ft	377	225	377	1530	72.7	160	776	311
13B-0529-C2BS	0.5 - 1.5 ft	73.4	41.9	73.4	255	13	27.2	135	48.2
13B-0529-C2CS	1.5 - 2.5 ft	28.9	20.8 EMPC-J	28.9	127	7.83 EMPC-J	16.5 EMPC-J	61.1	46.3 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	10.9 U	10.7 U	10.9 U	23.4	10.1 U	5.71 U	12.8 EMPC-J	8.41 U
13B-0530-C1AS	0 - 0.5 ft	351	203	351	1380	48.5 J	184	765	289
13B-0530-C1BS	0.5 - 1.5 ft	4610	2550	4610	18300	697	2080	9320	3580
13B-0530-C1CS	1.5 - 1.8 ft	680	396	680	2530	103	283	1330	493
13B-0531-C2AS	0 - 0.5 ft	337	195	337	1120	56.4	126	574	215
13B-0531-C2AT	0 - 0.5 ft	244	132	244	894	30.4 EMPC-J	110	458	173
13B-0531-C2BS	0.5 - 1.5 ft	210	110	210	815	36.6 J	82.7 EMPC-J	407	142
13B-0531-C2CS	1.5 - 2.5 ft	21.8 J	20.8 J	21.8 J	125	11 EMPC-J	12.3 EMPC-J	58.1	48.5 J
13B-0531-C2ES	3.5 - 4.42 ft	5.64 U	5.58 U	5.64 U	5.59 U	5.08 U	2.24 U	5.69 U	3.49 U
13B-0532-C1AS	0 - 0.5 ft	338	185	338	1220	51.5	132	682	255
13B-0532-C1BS	0.5 - 1.5 ft	104	56.7	104	429	8.11 U	43.5 J	231	109

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	7.86 U	15.4 EMPC-J	7.86 U	184	7.05 U	14.6 J	53.9	60.2
13B-0532-C1DS	2.5 - 3.73 ft	9.16 U	8.91 U	9.16 U	8.93 U	8.21 U	3.75 U	9.53 U	5.36 U
13B-0533-C2AS	0 - 0.5 ft	4570 J	2530 J	4570 J	17500 J	713 J	1920 J	9590 J	3510 J
13B-0533-C2AT	0 - 0.5 ft	4220 J	2290 J	4220 J	15500 J	639 J	1730 J	8650 J	2990 J
13B-0533-C2BS	0.5 - 1.5 ft	29600 J	15800 J	29600 J	110000 J	4220 J	11400 J	58100 J	18400 J
13B-0533-C2CS	1.5 - 2.5 ft	9130 J	5170 J	9130 J	38500 J	1370 J	3840 J	19200 J	5680 J
13B-0533-C2JS	8.5 - 9.62 ft	1760	2380	1760	11400	922	1120	4960	4340
13B-0533-C2JT	8.5 - 9.62 ft	1710	2380	1710	11600	917	1160	4970	4570
13B-0534-C2AS	0 - 0.5 ft	15800 J	8440 J	15800 J	59500 J	2410 J	5970 J	31900 J	10500 J
13B-0534-C2AT	0 - 0.5 ft	14300 J	7520 J	14300 J	55600 J	2240 J	6510 J	29500 J	10300 J
13B-0534-C2BS	0.5 - 1.5 ft	8150	4660	8150	33200	1290	3660	17400	6410
13B-0534-C2CS	1.5 - 2.5 ft	4140	2990	4140	25600	1000	2370	10900	5390
13B-0534-C2IS	7.5 - 8.59 ft	837	1770	837	10000	572	695	3230	3310
13B-0535-C2AS	0 - 0.5 ft	3570 J	2070 J	3570 J	14200 J	578 J	1390 J	7540 J	2630 J
13B-0535-C2BS	0.5 - 1.5 ft	115	64.9 EMPC-J	115	510	24.1 U	55.7	230	131
13B-0535-C2CS	1.5 - 2.45 ft	9.36 U	9.02 U	9.36 U	27.1 EMPC-J	8.43 U	4.95 U	9.47 U	7.07 U
13B-0536-C1AS	0 - 0.5 ft	2060 J	1410 J	2060 J	8690 J	413 J	927 J	4610 J	2150 J
13B-0536-C1BS	0.5 - 1.5 ft	40.1 J	38.7 J	40.1 J	306	16.9 J	28.4 J	113	95.4
13B-0536-C1CS	1.5 - 2.5 ft	11.5 J	8.84 J	11.5 J	76.6	5.01 U	6.64 EMPC-J	29.1 J	24.2 J
13B-0536-C1FS	4.28 - 5.28 ft	5.59 U	5.27 U	5.59 U	8.77 U	5.1 U	1.98 U	5.74 U	2.91 U
13B-0537-C3AS	0 - 0.5 ft	606	344	606	2190	96.6	273	1310	478
13B-0538-C3AS	0 - 0.5 ft	29100 J	16100 J	29100 J	110000 J	4510 J	11300 J	55900 J	17200 J
13B-0538-C3BS	0.5 - 1.5 ft	31200 J	17500 J	31200 J	120000 J	4800 J	12300 J	60900 J	18000 J
13B-0538-C3CS	1.5 - 2.5 ft	20800 J	11300 J	20800 J	76400 J	2910 J	7840 J	39700 J	11800 J
13B-0538-C3ES	3.5 - 4.8 ft	10.1 U	9.92 U	10.1 U	10 U	9.14 U	4.3 U	10.3 U	6.11 U
13B-0539-C3AS	0 - 0.5 ft	5820	3460	5820	23300	901	2820	13000	4770
13B-0539-C3AT	0 - 0.5 ft	7620	4280	7620	30000	1150	3430	16700	5850
13B-0539-C3BS	0.5 - 1.5 ft	4360	2880	4360	23300	892	2420	10300	4790
13B-0539-C3CS	1.5 - 2.5 ft	4350	4240	4350	34600	1460	3710	13700	9870
13B-0539-C3HS	6.5 - 7.59 ft	12.1 U	11.7 U	12.1 U	11.8 U	10.9 U	4.73 U	12.5 U	6.93 U
13B-0540-C4AS	0 - 0.5 ft	3280 J	1760 J	3280 J	12200 J	493 J	1400 J	6600 J	2410 J
13B-0540-C4BS	0.5 - 1.5 ft	4660 J	2620 J	4660 J	18400 J	709 J	1740 J	9730 J	2820 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	24900 J	13900 J	24900 J	103000 J	3930 J	10700 J	52200 J	16300 J
13B-0540-C4LS	10.3 - 11.25 ft	13.1 U	12.5 U	13.1 U	13 U	12 U	6.6 U	12.9 U	9.49 U
13B-0541-C1AS	0 - 0.5 ft	3680 J	2150 J	3680 J	14300 J	543 J	1540 J	7500 J	2650 J
13B-0541-C1BS	0.5 - 1.5 ft	3230	1830	3230	12800	449	1300	6520	2180
13B-0541-C1CS	1.5 - 2.5 ft	940	544	940	3760	149	399	2050	783
13B-0541-C1FS	4.5 - 5.67 ft	12.7 U	12.2 U	12.7 U	12.9 U	11.4 U	5.65 U	12.8 U	8.4 U
13B-0542-C2AS	0 - 0.5 ft	164	383	164	1540	127	131	486	679
13B-0542-C2BS	0.5 - 1.5 ft	9.01 U	8.68 U	9.01 U	8.88 U	8.12 U	3.38 U	9.12 U	4.83 U
13B-0542-C2CS	1.5 - 2.5 ft	10.2 U	9.83 U	10.2 U	10 U	9.19 U	4.24 U	10.3 U	6.06 U
13B-0542-C2HS	6.5 - 7.55 ft	7.37 U	7.1 U	7.37 U	7.26 U	6.64 U	3.69 U	7.46 U	5.27 U
13B-0543-G1AS	0 - 0.5 ft	2100 J	1200 J	2100 J	7960 J	307 J	856 J	4470 J	1590 J
13B-0544-C2AS	0 - 0.5 ft	2000 J	1130 J	2000 J	7560 J	304 J	958 J	4350 J	1610 J
13B-0544-C2BS	0.5 - 1.5 ft	3010	1600	3010	11300	449	1310	6230	2250
13B-0544-C2CS	1.5 - 2.5 ft	5120	3140	5120	19300	801	2360	11100	4320
13B-0544-C2ES	3 - 3.97 ft	1810	1280	1810	8460	402	1020	4350	2540
13B-0546-G2AS	0 - 0.5 ft	193	94.9	193	801	25.2 EMPC-J	80.9	429	175
13B-0547-C2AS	0 - 0.5 ft	21300 J	11800 J	21300 J	80700 J	3240 J	8720 J	42400 J	14400 J
13B-0547-C2BS	0.5 - 1.5 ft	9890 J	5990 J	9890 J	40800 J	1740 J	4510 J	21800 J	8320 J
13B-0547-C2CS	1.5 - 2.05 ft	573	1130	573	6750	443	609	2200	2610
13B-0547-C2HS	6.5 - 7.15 ft	6.75 U	6.57 U	6.75 U	9.9 EMPC-J	6.08 U	3.4 U	6.86 U	4.91 U
13B-0548-C1AS	0 - 0.5 ft	1260	719	1260	4830	199	600	2630	1050
13B-0548-C1BS	0.5 - 1.5 ft	1490	830	1490	5470	233	682	3040	1160
13B-0548-C1BT	0.5 - 1.5 ft	1370	784	1370	5410	209	649	3000	1180
13B-0548-C1CS	1.5 - 2.5 ft	3280	1850	3280	13200	540	1590	6900	2960
13B-0548-C1IS	7.5 - 8.79 ft	11.3 U	11.1 U	11.3 U	11 U	10.1 U	4.91 U	11.6 U	7.26 U
13B-0549-C3AS	0 - 0.5 ft	1990	1100	1990	7230	278	904	4040	1550
13B-0549-C3BS	0.5 - 1.5 ft	13.5 U	13.2 U	13.5 U	12.9 U	12.1 U	6.41 U	13.7 U	9.32 U
13B-0549-C3CS	1.5 - 2.65 ft	10.6 U	10.4 U	10.6 U	10.2 U	9.59 U	4.87 U	10.8 U	7.08 U
13B-0550-C3AS	0 - 0.5 ft	1760 J	931 J	1760 J	6780 J	272 J	668 J	3590 J	1170 J
13B-0550-C3BS	0.5 - 1.5 ft	425	218	425	1610	65.6	165	821	295
13B-0550-C3CS	1.5 - 2.5 ft	4.37 U	4.19 U	4.37 U	6.36 EMPC-J	3.92 U	2.2 U	4.4 U	3.25 U
13B-0550-C3FS	4.5 - 5.37 ft	3.49 U	3.34 U	3.49 U	6.55 EMPC-J	3.13 U	1.75 U	3.51 U	2.59 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	1370	794	1370	5390	202	600	2920	1140
13B-0551-C2BS	0.5 - 0.88 ft	1080	687	1080	4600	175	479	2380	940
13B-0552-C3AS	0 - 0.5 ft	3190 J	1850 J	3190 J	12500 J	521 J	1310 J	6650 J	2470 J
13B-0552-C3BS	0.5 - 1.5 ft	8780	4670	8780	33300	1270	4010	17300	6670
13B-0552-C3CS	1.5 - 2.38 ft	16100 J	9720 J	16100 J	62000 J	2350 J	8070	31300 J	14000
13B-0552-C3CT	1.5 - 2.38 ft	15700	8520	15700	62700	2310	6070	32000	10000
13B-0553-C2AS	0 - 0.5 ft	935	604	935	4090	161	415	1950	906
13B-0553-C2BS	0.5 - 1.5 ft	153	381	153	2940	145	267	905	1220
13B-0553-C2CS	1.5 - 2.5 ft	21.5 J	15.1 U	21.5 J	27.9 U	14 U	7.47 U	15.6 U	10.7 U
13B-0553-C2DS	2.5 - 3.5 ft	31.8 U	31.4 U	31.8 U	33 U	29.1 U	9.72 U	32.6 U	13.9 U
13B-0554-C1AS	0 - 0.5 ft	1010	557	1010	3910	146	419	2160	842
13B-0554-C1BS	0.5 - 1.5 ft	3360	1690	3360	12900	514	1410	6700	2380
13B-0554-C1CS	1.5 - 2.5 ft	4150	2120	4150	15600	610	1670	7770	2710
13B-0554-C1ES	3.5 - 4.7 ft	12.8 U	12.3 U	12.8 U	16.7 EMPC-J	11.5 U	4.29 U	12.9 U	6.47 U
13B-0555-C1AS	0 - 0.5 ft	33300 J	19200 J	33300 J	138000 J	5400 J	14500 J	71200 J	24300 J
13B-0555-C1BS	0.5 - 1.22 ft	8180	4910	8180	31800	1370	3410	17000	6260
13B-0555-C2CS	1.5 - 2 ft	40300 J	22500 J	40300 J	164000 J	6590 J	17100 J	85300 J	28100 J
13B-0555-C2DS	2 - 3 ft	14100 J	8360 J	14100 J	55700 J	2280 J	5980 J	29600 J	10600 J
13B-0556-C2AS	0 - 0.5 ft	3090 J	1580 J	3090 J	12200 J	428 J	1290 J	6070 J	1990 J
13B-0556-C2BS	0.5 - 1.5 ft	4210	2420	4210	15200	633	1700	7950	2850
13B-0556-C2CS	1.5 - 2.38 ft	1670	896	1670	6810	285	722	3170	1460
13B-0557-C2AS	0 - 0.5 ft	2530 J	1360 J	2530 J	9630 J	357 J	983 J	4850 J	1690 J
13B-0557-C2BS	0.5 - 1.5 ft	2470 J	1380 J	2470 J	9390 J	355 J	1000 J	4770 J	1810 J
13B-0557-C2CS	1.5 - 2.5 ft	5350	3000	5350	20000	745	2140	11400	4210
13B-0557-C2ES	3.5 - 4.5 ft	4800	2830	4800	19600	809	2060	10400	4120
13B-0558-C2AS	0 - 0.5 ft	1710 J	902 J	1710 J	6810 J	258 J	659 J	3220 J	1130 J
13B-0558-C2BS	0.5 - 1.5 ft	812	1290	812	9780	463	812 J	3440	4280 J
13B-0558-C2CS	1.5 - 2.5 ft	100	155	100	1450	50.5	89.2 EMPC-J	433	408
13B-0558-C2FS	4.5 - 5.75 ft	12.1 U	11.7 U	12.1 U	12.4 U	11 U	5.98 U	12.2 U	8.39 U
13B-0559-C3AS	0 - 0.5 ft	1350	836	1350	5010	202	516	2680	939
13B-0559-C3BS	0.5 - 1.5 ft	2910 J	1510 J	2910 J	11000 J	437 J	1050 J	5340 J	1840 J
13B-0559-C3CS	1.5 - 2.5 ft	4660	2580	4660	18000	690	1780	9200	3200

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
Maximum Detect		40300	22500	40300	164000	6590	17100	85300	28100
Mean of Detects		5480	3050	5480	20400	909	2300	11200	3990
St. Dev. of Detects		8220	4400	8220	31800	1300	3300	16700	5470
CV of Detects		1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
% Detected		81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	6610	3770	6610	25300	997	2480	13500	4370
13B-0560-C1AS	0 - 0.5 ft	595	287	595	2190	77.5	220	1160	377
13B-0560-C1BS	0.5 - 1.5 ft	2130	1090	2130	8200	313	851	4270	1470
13B-0560-C1CS	1.5 - 2.5 ft	2910 J	1460 J	2910 J	11300 J	431 J	1100 J	5680 J	1900 J
13B-0560-C1GS	5.14 - 5.86 ft	17.6 U	16.7 U	17.6 U	17.7 U	15.7 U	7.07 U	18.3 U	10.4 U
13B-0561-C1AS	0 - 0.5 ft	14500	8920	14500	60600	2300	6420	33300	11200
13B-0561-C1BS	0.5 - 1.5 ft	7770	4850	7770	32000	1250	3350	17300	5760
13B-0561-C1CS	1.5 - 2.5 ft	3030	1910	3030	11500	474	1200	6750	2200
13B-0561-C1GS	5.5 - 6.5 ft	17.1 U	16.9 U	17.1 U	16.7 U	15.4 U	7.97 U	17.7 U	11.6 U
13B-0562-G2AS	0 - 0.5 ft	1120	624	1120	3610	130 EMPC-J	442	2080	783
13B-0563-C2AS	0 - 0.5 ft	144	85.3	144	547	8.8 U	58	303	111

APPENDIX I
DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.6	8.84	10.6	6.36	7.83	6.64	10.9	11.9
	Maximum Detect	40300	22500	40300	164000	6590	17100	85300	28100
	Mean of Detects	5480	3050	5480	20400	909	2300	11200	3990
	St. Dev. of Detects	8220	4400	8220	31800	1300	3300	16700	5470
	CV of Detects	1.50	1.44	1.50	1.56	1.43	1.43	1.49	1.37
	% Detected	81.5	80.3	81.5	87.4	77.3	81.1	82.8	82.4
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	199	108	199	745	24.4 EMPC-J	84.9	434	179
13B-0563-C2BS	0.5 - 1.1 ft	83.1 J	47.1	83.1 J	339	11.9 J	40.3 J	163 EMPC-J	75.8
13B-0563-C2CS	1.1 - 2.5 ft	27300 J	15700 J	27300 J	114000 J	4070 J	12400 J	60900 J	20500 J
13B-0563-C2IS	7.5 - 8.28 ft	424	306	424	1950	97.1	227	1040	696
13B-0564-G2AS	0 - 0.5 ft	4600 J	2510 J	4600 J	16100 J	657 J	1870 J	9360 J	3380 J
13B-0565-G1AS	0 - 0.5 ft	705	383	705	2610	112	316	1490	597
13B-0566-G3AS	0 - 0.5 ft	463	274	463	1580	69.3	222	913	360
13B-0567-G2AS	0 - 0.5 ft	3530 J	1950 J	3530 J	13700 J	543 J	1440 J	7600 J	2540 J
13B-0568-G2AS	0 - 0.5 ft	8510 J	4940 J	8510 J	32600 J	1310 J	3740 J	17500 J	6370 J
13B-0570-G3AS	0 - 0.5 ft	2360 J	1300 J	2360 J	9470 J	359 J	952 J	4970 J	1640 J
13B-0571-C3AS	0 - 0.5 ft	1000	554	1000	3880	144	417	2080	775
13B-0571-C3BS	0.5 - 1.5 ft	779	436	779	2980	111	318	1630	573
13B-0571-C3CS	1.5 - 2.5 ft	80.5 J	49.3	80.5 J	317	8.6 EMPC-J	32.5 J	166	71.2
13B-0571-C3MS	11 - 12 ft	2.35 U	2.3 U	2.35 U	11.5 J	2.1 U	0.99 U	2.36 U	1.49 U
13B-0572-C1AS	0 - 0.5 ft	120	85.3	120	634	22.3 EMPC-J	74.4	298	137
13B-0572-C1BS	0.5 - 1.5 ft	36 U	34.1 U	36 U	86.1	32.4 U	11 U	36.2 U	17.1 EMPC-J
13B-0572-C1CS	1.5 - 2.27 ft	23.7 U	22.5 U	23.7 U	23.4 U	21.4 U	7.82 U	23.8 U	11.4 U
13B-0573-C2AS	0 - 0.5 ft	716	349	716	2690	83.6 EMPC-J	290	1380	580
13B-0573-C2BS	0.5 - 1.5 ft	319	173	319	1230	56.1	146	646	238
13B-0573-C2CS	1.5 - 2.5 ft	2000	1010	2000	7240	288	834	3890	1470
13B-0573-C2DS	2.5 - 3.75 ft	19.2 U	18.9 U	19.2 U	43.1 EMPC-J	17.3 U	7.55 U	24.7 J	10.9 U
13B-0574-C2AS	0 - 0.5 ft	2890	1480	2890	10900	435	1140	6060	1990
13B-0574-C2BS	0.5 - 1.5 ft	2330	1180	2330	8750	350	935	4700	1540
13B-0574-C2CS	1.5 - 2.5 ft	4660	2370	4660	18100	679	1850	9500	3090
13B-0574-C2HS	6.4 - 7.4 ft	6350	3550	6350	24400	965	2590	13800	4340
13B-0575-C4AS	0 - 0.5 ft	18100 J	9760 J	18100 J	72600 J	2760 J	9490 J	37500 J	13200 J
13B-0575-C4BS	0.5 - 1.5 ft	8530	4540	8530	33900	1260	4270	17300	7090
13B-0575-C4CS	1.5 - 2.5 ft	15.7 U	15.3 U	15.7 U	22.1 EMPC-J	14.6 U	7.51 U	16.2 U	11.1 U
13B-0575-C4FS	4.3 - 5.44 ft	9.61 U	9.34 U	9.61 U	9.85 U	8.96 U	4.06 U	9.89 U	6.01 U

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DATA RESULTS SUMMARY
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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-171**	**PCB-172**	**PCB-173**	**PCB-174**	**PCB-175**	**PCB-176**	**PCB-177**	**PCB-178**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**10.6**	**8.84**	**10.6**	**6.36**	**7.83**	**6.64**	**10.9**	**11.9**
	Maximum Detect	**40300**	**22500**	**40300**	**164000**	**6590**	**17100**	**85300**	**28100**
	Mean of Detects	**5480**	**3050**	**5480**	**20400**	**909**	**2300**	**11200**	**3990**
	St. Dev. of Detects	**8220**	**4400**	**8220**	**31800**	**1300**	**3300**	**16700**	**5470**
	CV of Detects	**1.50**	**1.44**	**1.50**	**1.56**	**1.43**	**1.43**	**1.49**	**1.37**
	% Detected	**81.5**	**80.3**	**81.5**	**87.4**	**77.3**	**81.1**	**82.8**	**82.4**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	1220 J	677 J	1220 J	4930 J	171 J	491 J	2630 J	1020 J
13B-0578-C5AS	0 - 0.5 ft	184	152	184	935	49.4 J	93	463	250
13B-0578-C5BS	0.5 - 1.5 ft	388	598	388	3350	179	291	1170	1140
13B-0578-C5CS	1.5 - 2.5 ft	306	757	306	4960	257	562	1790	2910
13B-0578-C5CT	1.5 - 2.5 ft	407	999	407	6770	347	615	2240	3010
13B-0578-C5GS	5.25 - 6.25 ft	11.1 U	10.7 U	11.1 U	23.2 J	10.1 U	2.71 U	11.3 U	3.88 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-179**	**PCB-18**	**PCB-180**	**PCB-181**	**PCB-182**	**PCB-183**	**PCB-184**	**PCB-185**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.31**	**10.3**	**12.4**	**10.3**	**5.35**	**11.6**	**5.11**	**10**
	Maximum Detect	**67300**	**1270000**	**300000**	**1170**	**751**	**88500**	**659**	**15400**
	Mean of Detects	**8720**	**99100**	**38000**	**233**	**180**	**10900**	**61.9**	**2050**
	St. Dev. of Detects	**13000**	**224000**	**58400**	**278**	**160**	**15900**	**93.1**	**3140**
	CV of Detects	**1.49**	**2.26**	**1.54**	**1.19**	**0.889**	**1.47**	**1.51**	**1.54**
	% Detected	**85.3**	**89.9**	**89.5**	**46.6**	**56.7**	**85.3**	**58.0**	**79.0**
Sample ID	**Depth Interval**								
13B-0501-C1AS	0 - 0.5 ft	3810	2770	23300	226	113	5870	20.9 J	804
13B-0501-C1BS	0.5 - 1.5 ft	935	5210 J	3510	4.62 U	4.51 U	1020	10.7 EMPC-J	206
13B-0501-C1CS	1.5 - 2.5 ft	3480	13600	12800	91	70.7	4040	4.45 U	493
13B-0501-C1DS	2.5 - 3.07 ft	574	280 J	2000	9.32 U	9.1 U	600	5.64 U	136
13B-0502-C2AS	0 - 0.5 ft	801	4670	3850	22.1 U	20.6 U	1010	10.6 U	180
13B-0502-C2BS	0.5 - 1.5 ft	5120	32400	21300	104	71	5750	15.7 EMPC-J	1000
13B-0502-C2CS	1.5 - 2.45 ft	24200	207000 J	105000 J	342	345	28200	61.4	5040
13B-0503-C1AS	0 - 0.5 ft	276	706	1100	17.4 U	16.2 U	298	8.01 U	39.3 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	8.59 U	18.9 U	12.5 U	13.9 U	12.9 U	12.7 U	8.89 U	14.5 U
13B-0503-C1CS	1.5 - 2.5 ft	9.17 U	21.4 U	19.5 EMPC-J	16.3 U	15.2 U	14.9 U	9.5 U	17.1 U
13B-0503-C1DS	2.5 - 2.5 ft	7.79 U	19.5 U	10.5 U	11.6 U	10.9 U	10.6 U	8.06 U	12.2 U
13B-0504-C4AS	0 - 0.5 ft	18000 J	58200 J	82800 J	316 J	320 J	20100 J	44.3 EMPC-J	6900 J
13B-0504-C4BS	0.5 - 1.5 ft	17800 J	24800 J	84400 J	320 J	276 J	22100 J	51.8 J	5830 J
13B-0504-C4CS	1.5 - 2.5 ft	6580	5490	30600	122	89.5	8170	19.6 J	2360
13B-0504-C4KS	9.5 - 10.25 ft	127	258	540	7.16 U	6.56 U	128	2.92 U	62.9
13B-0505-C1AS	0 - 0.5 ft	4450 J	16200 J	21900 J	26.3 UJ	82.1 J	6170 J	51.4 EMPC-J	875 J
13B-0505-C1BS	0.5 - 1.5 ft	1470	9710	6330	18 U	16.5 U	1680	12.9 J	308
13B-0505-C1CS	1.5 - 2.5 ft	11700	109000	54700	35.2 U	198	15800	131	2590
13B-0505-C1FS	4.5 - 5.2 ft	13.4 U	43.8 J	72.1 U	24.1 U	22.1 U	21.5 U	14 U	25 U
13B-0506-C2AS	0 - 0.5 ft	2730	4580	12700	8.6 U	64.1	3360	22.9 J	430
13B-0506-C2BS	0.5 - 1.5 ft	716	644	2370	6.42 U	31.5 J	664	12.3 J	136
13B-0506-C2CS	1.5 - 2.5 ft	49.3	63.5 J	184	3.85 U	3.55 U	47 J	2.09 U	12.6 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	60	143	265	6.32 U	6.18 U	64.5 EMPC-J	5.49 U	14.2 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	4.45 U	10.3 EMPC-J	22.4 U	6.66 U	6.5 U	6.47 U	4.43 U	6.81 U
13B-0507-C2CS	1.5 - 2.5 ft	4.54 U	5.23 U	5.17 U	5.84 U	5.7 U	5.68 U	4.52 U	5.97 U
13B-0507-C2DS	2.5 - 3.5 ft	6.86 U	6.63 U	7.52 U	8.5 U	8.3 U	8.26 U	6.82 U	8.68 U
13B-0508-G3AS	0 - 0.5 ft	82.2	153	321	17.3 U	16.5 U	99.1	9.26 U	16.5 U
13B-0509-C1AS	0 - 0.5 ft	15600	254000 J	75100	328	192	21300	42.2	2550
13B-0509-C1BS	0.5 - 1.5 ft	785	12500	3520	13.6 U	21.7	988	5.61 U	175
13B-0509-C1CS	1.5 - 2.5 ft	24.6	93.5	118	17.3 U	16.3 U	35.2	6.1 U	16.8 U
13B-0509-C1ES	3.17 - 4.17 ft	9.2 U	62.6	24.6 U	20.5 U	19.4 U	19.7 U	9.66 U	20 U
13B-0510-C3AS	0 - 0.5 ft	4980	29300	22100	118	114	6140	20.7 J	876

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-179	PCB-18	PCB-180	PCB-181	PCB-182	PCB-183	PCB-184	PCB-185
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.31	10.3	12.4	10.3	5.35	11.6	5.11	10
	Maximum Detect	67300	1270000	300000	1170	751	88500	659	15400
	Mean of Detects	8720	99100	38000	233	180	10900	61.9	2050
	St. Dev. of Detects	13000	224000	58400	278	160	15900	93.1	3140
	CV of Detects	1.49	2.26	1.54	1.19	0.889	1.47	1.51	1.54
	% Detected	85.3	89.9	89.5	46.6	56.7	85.3	58.0	79.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	309	2260	1170	4.54 U	7.93 J	348	2.32 U	47.3 J
13B-0511-C3AS	0 - 0.5 ft	5760 J	15300 J	26600 J	109 J	106 J	7990 J	58.4 J	1090 J
13B-0511-C3BS	0.5 - 1.5 ft	5660	16600	25400	98.6	94.1	7330	88.9	1630
13B-0511-C3CS	1.5 - 2.5 ft	11600	134000	54200	214	171	16200	53.9	2430
13B-0511-C3HS	5.95 - 6.95 ft	7180	56300	30100	80.8	190	8500	34.9 J	1600
13B-0512-G1AS	0 - 0.5 ft	4130 J	10600 J	18500 J	68.9 J	92.8 J	4840 J	38.2 J	1080 J
13B-0513-G1AS	0 - 0.5 ft	14700 J	221000 J	72700 J	317 J	204 J	18600 J	50.4 EMPC-J	4310 J
13B-0514-G1AS	0 - 0.5 ft	4440 J	17500 J	20500 J	82.6 J	71.4 J	5820 J	37.4 EMPC-J	902 J
13B-0515-C1AS	0 - 0.5 ft	1080	3540	4910	7.26 U	6.87 U	1260	6.31 EMPC-J	200
13B-0515-C1BS	0.5 - 1.71 ft	10.1 J	29.4 J	36.1 J	6.67 U	6.31 U	11.6 EMPC-J	4.6 U	6.65 U
13B-0515-C2CS	1.5 - 2.19 ft	4.75 U	44.2 J	29.9 J	6.73 U	6.37 U	6.28 U	4.76 U	6.71 U
13B-0516-C2AS	0 - 0.5 ft	4690 J	12000 J	20900 J	83.8 J	64.8 J	6470 J	36.6 J	1210 J
13B-0516-C2BS	0.5 - 1.5 ft	9270 J	33000 J	43300 J	147 J	146 J	13300 J	60.2 J	1920 J
13B-0516-C2CS	1.5 - 2.5 ft	16700 J	141000 J	75000 J	282 J	297 J	23000 J	631 J	2950 J
13B-0516-C2LS	10.4 - 11.4 ft	11400	135000	50500	20.5 U	283	15300	25.9 EMPC-J	2880
13B-0517-G2AS	0 - 0.5 ft	180	300	891	7.56 U	7.05 U	230	2.61 U	50.1
13B-0518-G1AS	0 - 0.5 ft	909	2560	4140	19.7 J	6.78 U	1110	13 J	173
13B-0518-G1AT	0 - 0.5 ft	1100	3700	5080	8.39 U	7.92 U	1380	10.3 J	265
13B-0519-C2AS	0 - 0.5 ft	3960 J	10600 J	17900 J	11.2 UJ	59.3 J	4700 J	47.5 J	813 J
13B-0519-C2BS	0.5 - 1.5 ft	3680	12600	17900	12 U	11.2 U	4690	32.5 J	795
13B-0519-C2CS	1.5 - 2.5 ft	22300 J	324000 J	103000 J	31.9 UJ	29.7 UJ	29800 J	66.1 EMPC-J	3580 J
13B-0519-C2RS	16.1 - 17.1 ft	6.08 U	35.6 J	65.1 J	15.6 U	14.6 U	14.9 U	6.7 U	15.5 U
13B-0520-G1AS	0 - 0.5 ft	4120 J	10500 J	19500 J	69.3 J	65.7 J	5270 J	37.4 J	967 J
13B-0521-C2AS	0 - 0.5 ft	675	1620	6710	44.6	11 U	1330	3.95 U	159
13B-0521-C2BS	0.5 - 1.5 ft	245	929	1230	8.46 U	7.76 U	313	3.46 U	64.3
13B-0521-C2CS	1.5 - 2.5 ft	767	1780	3790	10.9 U	9.99 U	916	3.89 U	183
13B-0521-C2HS	6.5 - 7.63 ft	54900 J	978000 J	255000 J	951 J	651 J	62900 J	88.4 EMPC-J	14400 J
13B-0522-G1AS	0 - 0.5 ft	6320 J	13500 J	27900 J	91.1 J	83.7 J	8200 J	45.8 EMPC-J	1130 J
13B-0522-G1AT	0 - 0.5 ft	5590 J	13500 J	24900 J	113 J	100 J	7100 J	57.4 J	1010 J
13B-0523-G2AS	0 - 0.5 ft	5870 J	16900 J	25600 J	16.8 UJ	15.8 UJ	6810 J	54.3 J	872 J
13B-0524-C1AS	0 - 0.5 ft	4640 J	11300 J	22300 J	21.1 UJ	80.5 J	6830 J	63.2 J	688 J
13B-0524-C1BS	0.5 - 1.5 ft	6270	16500	29900	114	96.1	9000	88.5	1400

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PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-179**	**PCB-18**	**PCB-180**	**PCB-181**	**PCB-182**	**PCB-183**	**PCB-184**	**PCB-185**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.31**	**10.3**	**12.4**	**10.3**	**5.35**	**11.6**	**5.11**	**10**
	Maximum Detect	**67300**	**1270000**	**300000**	**1170**	**751**	**88500**	**659**	**15400**
	Mean of Detects	**8720**	**99100**	**38000**	**233**	**180**	**10900**	**61.9**	**2050**
	St. Dev. of Detects	**13000**	**224000**	**58400**	**278**	**160**	**15900**	**93.1**	**3140**
	CV of Detects	**1.49**	**2.26**	**1.54**	**1.19**	**0.889**	**1.47**	**1.51**	**1.54**
	% Detected	**85.3**	**89.9**	**89.5**	**46.6**	**56.7**	**85.3**	**58.0**	**79.0**
Sample ID	**Depth Interval**								
13B-0524-C1CS	1.5 - 2.5 ft	8010	35600	38700	145	133	11800	60.4	1270
13B-0524-C1GS	5.39 - 6.39 ft	15300	177000	76300	40.8 U	278	23100	659	1710
13B-0525-C1AS	0 - 0.5 ft	5630 J	15900 J	25200 J	102 J	89.7 J	7310 J	59 EMPC-J	895 J
13B-0525-C1BS	0.5 - 1.5 ft	7730 J	19800 J	34800 J	121 EMPC-J	107 J	9870 J	135 J	1530 J
13B-0525-C1CS	1.5 - 2.5 ft	12900 J	31000 J	52400 J	168 J	165 J	14500 J	79 J	1690 J
13B-0525-C1HS	6.42 - 7.42 ft	10400	162000	49500	204	154	14500	634	1800
13B-0526-C1AS	0 - 0.5 ft	23400 J	267000 J	108000 J	403 J	225 J	28200 J	48.8 J	5830 J
13B-0526-C1BS	0.5 - 1.5 ft	59500 J	545000 J	264000 J	1000 J	497 J	68300 J	29.2 UJ	14200 J
13B-0526-C1CS	1.5 - 2.5 ft	52300 J	750000 J	252000 J	56.4 UJ	603 J	64500 J	78.4 J	15200 J
13B-0526-C1CT	1.5 - 2.5 ft	54000 J	747000 J	244000 J	967 J	547 J	60400 J	72.6 J	15400 J
13B-0526-C1HS	6.5 - 7.62 ft	3920	37200	17300	90.3	91.3	4500	6.54 U	1010
13B-0527-C2AS	0 - 0.5 ft	346	1010	1720	8.73 U	8.2 U	465	4.74 U	80.3
13B-0527-C2BS	0.5 - 1.5 ft	23 J	23.2 J	125	5.9 U	5.54 U	37.7 J	3.63 U	5.59 U
13B-0527-C2CS	1.5 - 2.6 ft	4.34 U	12.4 EMPC-J	12.4 J	5.09 U	4.78 U	5.19 U	4.31 U	4.83 U
13B-0528-C3AS	0 - 0.5 ft	8130 J	39900 J	37700 J	13 UJ	102 J	10100 J	53.5 J	2040 J
13B-0528-C3BS	0.5 - 1.5 ft	56000 J	675000 J	267000 J	1170 J	645 J	72400 J	14.3 UJ	11700 J
13B-0528-C3CS	1.5 - 2.5 ft	17200 J	67000 J	80900 J	376 J	266 J	21400 J	43.3 J	3830 J
13B-0528-C3LS	10.5 - 11.54 ft	3290	180	14400	19.9 U	18.8 U	3180	19.7 J	821
13B-0529-C2AS	0 - 0.5 ft	685	7480	2850	15	13.7	808	6.49 U	143
13B-0529-C2BS	0.5 - 1.5 ft	104	483	490	5.24 U	5.01 U	130	4.06 U	22.6
13B-0529-C2CS	1.5 - 2.5 ft	65 EMPC-J	116	292	5.58 U	5.32 U	73.6	4.85 U	14.4 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	17.6 EMPC-J	11.6 U	65.1	9.57 U	9.13 U	24.1	6.47 U	10.3 U
13B-0530-C1AS	0 - 0.5 ft	603	4440	2700	15.7 U	14.5 U	748	7.88 U	116
13B-0530-C1BS	0.5 - 1.5 ft	7680	67600	34400	97.7	108	9420	75 EMPC-J	1120
13B-0530-C1CS	1.5 - 1.8 ft	1020	31300	4650	19.4 U	17.9 U	1330	24.7 J	141
13B-0531-C2AS	0 - 0.5 ft	419	1700	2440	6.57 U	5.99 U	667	3.36 U	130
13B-0531-C2AT	0 - 0.5 ft	338	1320	1650	7.13 U	6.5 U	452	2.73 U	82.1
13B-0531-C2BS	0.5 - 1.5 ft	342	1180	1340	6.04 U	5.51 U	412	2.59 U	60.7 EMPC-J
13B-0531-C2CS	1.5 - 2.5 ft	60.3	16.4 U	254	4.12 U	3.8 U	95	2.41 U	10 J
13B-0531-C2ES	3.5 - 4.42 ft	2.44 U	5.76 U	9.43 U	4.98 U	4.6 U	4.96 U	2.51 U	4.54 U
13B-0532-C1AS	0 - 0.5 ft	552	2950	2470	7.16 U	6.78 U	626	4.03 U	113
13B-0532-C1BS	0.5 - 1.5 ft	201	711	911	7.87 U	7.45 U	226	6.26 U	51.1 EMPC-J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-179	PCB-18	PCB-180	PCB-181	PCB-182	PCB-183	PCB-184	PCB-185
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.31	10.3	12.4	10.3	5.35	11.6	5.11	10
	Maximum Detect	67300	1270000	300000	1170	751	88500	659	15400
	Mean of Detects	8720	99100	38000	233	180	10900	61.9	2050
	St. Dev. of Detects	13000	224000	58400	278	160	15900	93.1	3140
	CV of Detects	1.49	2.26	1.54	1.19	0.889	1.47	1.51	1.54
	% Detected	85.3	89.9	89.5	46.6	56.7	85.3	58.0	79.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	117	114	546	6.83 U	6.47 U	129	4.19 U	35.7 J
13B-0532-C1DS	2.5 - 3.73 ft	4.06 U	8.73 U	16.5 J	7.96 U	7.54 U	7.2 U	4.1 U	8.74 U
13B-0533-C2AS	0 - 0.5 ft	7450 J	32300 J	34100 J	146 J	101 J	9060 J	54.4 J	1870 J
13B-0533-C2AT	0 - 0.5 ft	6450 J	27600 J	30700 J	119 J	77.1 J	8570 J	53.3 J	1710 J
13B-0533-C2BS	0.5 - 1.5 ft	43200 J	880000 J	205000 J	881 J	437 J	60500 J	71.2 J	9150 J
13B-0533-C2CS	1.5 - 2.5 ft	15300 J	113000 J	71000 J	250 J	278 J	17300 J	36 EMPC-J	5950 J
13B-0533-C2JS	8.5 - 9.62 ft	6340	2140	26100	27 U	256	9660	64.8	2240
13B-0533-C2JT	8.5 - 9.62 ft	6570	1970	26100	25.8 U	224	9640	65.3	1920
13B-0534-C2AS	0 - 0.5 ft	23600 J	404000 J	112000 J	489 J	279 J	29600 J	66.8 EMPC-J	5200 J
13B-0534-C2AT	0 - 0.5 ft	25100 J	396000 J	104000 J	439 J	192 J	27300 J	68.1 J	5040 J
13B-0534-C2BS	0.5 - 1.5 ft	15200	114000	62700	227	222	16400	46.1 J	3080
13B-0534-C2CS	1.5 - 2.5 ft	13500	1190	58900	92.6	223	15100	66.7 EMPC-J	3950
13B-0534-C2IS	7.5 - 8.59 ft	5100	447	25600	91.8	215	6630	41.4 EMPC-J	1770
13B-0535-C2AS	0 - 0.5 ft	5780 J	20500 J	27200 J	16.7 UJ	112 J	8010 J	54.7 J	1230 J
13B-0535-C2BS	0.5 - 1.5 ft	234	385	1040	23.2 U	22.3 U	343	8.42 U	44.7 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	13.4 J	26.6 J	49.5 EMPC-J	8.29 U	7.7 U	15.2 EMPC-J	5.5 U	8.81 U
13B-0536-C1AS	0 - 0.5 ft	3970 J	8340 J	16900 J	110 J	117 J	5170 J	45.8 J	710 J
13B-0536-C1BS	0.5 - 1.5 ft	161	308	692	4.04 U	5.35 J	201	1.65 U	46.3 J
13B-0536-C1CS	1.5 - 2.5 ft	37.4 J	165	176	4.75 U	4.57 U	45.4 J	2.13 U	16.8 J
13B-0536-C1FS	4.28 - 5.28 ft	4.59 U	18.2 J	24.2 U	4.84 U	4.65 U	8.83 U	2.18 U	5.14 U
13B-0537-C3AS	0 - 0.5 ft	943	6690	4390	8.4 U	18.2 J	1280	3.42 U	147
13B-0538-C3AS	0 - 0.5 ft	41900 J	961000 J	208000 J	1020 J	394 J	53800 J	97.9 J	10700 J
13B-0538-C3BS	0.5 - 1.5 ft	46900 J	878000 J	223000 J	1020 J	365 J	58200 J	78.2 EMPC-J	11700 J
13B-0538-C3CS	1.5 - 2.5 ft	29000 J	753000 J	142000 J	738 J	256 J	38900 J	44.8 EMPC-J	6660 J
13B-0538-C3ES	3.5 - 4.8 ft	4.66 U	188	21.1 U	8.98 U	8.6 U	8.11 U	4.77 U	9.52 U
13B-0539-C3AS	0 - 0.5 ft	10300	83700	46600	22.5 U	200	12700	35.5 J	2130
13B-0539-C3AT	0 - 0.5 ft	13400	123000	58500	21.3 U	274	16600	35.5 J	2690
13B-0539-C3BS	0.5 - 1.5 ft	10600	4530	50500	118 EMPC-J	160	17800	65.3	29.5 U
13B-0539-C3CS	1.5 - 2.5 ft	20700	2610	81000	137	374	25500	177 EMPC-J	4180
13B-0539-C3HS	6.5 - 7.59 ft	4.85 U	7.78 U	24.2 J	10.6 U	9.91 U	10.3 U	5.39 U	10.3 U
13B-0540-C4AS	0 - 0.5 ft	5440 J	13200 J	23200 J	91.1 J	71.2 J	6460 J	56.4 J	1220 J
13B-0540-C4BS	0.5 - 1.5 ft	6990 J	66400 J	33300 J	142 J	123 J	9250 J	31.5 EMPC-J	1730 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-179	PCB-18	PCB-180	PCB-181	PCB-182	PCB-183	PCB-184	PCB-185
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.31	10.3	12.4	10.3	5.35	11.6	5.11	10
	Maximum Detect	67300	1270000	300000	1170	751	88500	659	15400
	Mean of Detects	8720	99100	38000	233	180	10900	61.9	2050
	St. Dev. of Detects	13000	224000	58400	278	160	15900	93.1	3140
	CV of Detects	1.49	2.26	1.54	1.19	0.889	1.47	1.51	1.54
	% Detected	85.3	89.9	89.5	46.6	56.7	85.3	58.0	79.0
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	40700 J	691000 J	179000 J	755 J	430 J	49100 J	83 J	8820 J
13B-0540-C4LS	10.3 - 11.25 ft	7.21 U	14.2 U	23.9 J	11.5 U	10.8 U	10.8 U	7.37 U	11.1 U
13B-0541-C1AS	0 - 0.5 ft	5710 J	124000 J	27200 J	104 J	94.9 J	7810 J	26.1 EMPC-J	1150 J
13B-0541-C1BS	0.5 - 1.5 ft	5030	234000	23900	84.1	68	6660	9.66 U	1100
13B-0541-C1CS	1.5 - 2.5 ft	1590	20400	7400	19.6 EMPC-J	28 EMPC-J	2110	2.47 U	319
13B-0541-C1FS	4.5 - 5.67 ft	6.25 U	16.6 U	17.1 EMPC-J	10.9 U	10.5 U	10.7 U	6.47 U	10.6 U
13B-0542-C2AS	0 - 0.5 ft	771	869	3360	22.8 EMPC-J	58.4	1110	12.6 J	215
13B-0542-C2BS	0.5 - 1.5 ft	3.49 U	12.3 EMPC-J	14.9 J	7.98 U	7.42 U	6.94 U	3.76 U	8.48 U
13B-0542-C2CS	1.5 - 2.5 ft	4.38 U	18.6 J	7.96 U	9.03 U	8.4 U	7.86 U	4.71 U	9.6 U
13B-0542-C2HS	6.5 - 7.55 ft	3.81 U	10.2 U	5.75 U	6.53 U	6.07 U	5.68 U	4.1 U	6.94 U
13B-0543-G1AS	0 - 0.5 ft	3330 J	12100 J	15200 J	58.1 J	57.4 J	4170 J	25.4 J	774 J
13B-0544-C2AS	0 - 0.5 ft	3180 J	9940 J	15000 J	12.2 UJ	11.4 UJ	4370 J	29.8 J	532 J
13B-0544-C2BS	0.5 - 1.5 ft	4540	14100	21600	64 EMPC-J	60.5	6010	33.1 J	1130
13B-0544-C2CS	1.5 - 2.5 ft	7970	22800	38500	126	171	10900	57.6	1340
13B-0544-C2ES	3 - 3.97 ft	4370	10500	19700	20 U	151	5460	50.5	925
13B-0546-G2AS	0 - 0.5 ft	393	2930	1390	7.86 U	7.35 U	399	3.62 U	63.2
13B-0547-C2AS	0 - 0.5 ft	33500 J	740000 J	157000 J	739 J	575 J	42900 J	68.2 J	7120 J
13B-0547-C2BS	0.5 - 1.5 ft	19100 J	181000 J	81700 J	277 J	409 J	22700 J	38.6 EMPC-J	3720 J
13B-0547-C2CS	1.5 - 2.05 ft	4020	1730	18600	34.9 U	254	5300	65.7	1090
13B-0547-C2HS	6.5 - 7.15 ft	3.69 U	7.25 U	19.6	5.91 U	5.56 U	5.3 U	3.79 U	6.35 U
13B-0548-C1AS	0 - 0.5 ft	2170	11600	9630	9.71 U	25.8 EMPC-J	2490	25.4 EMPC-J	500
13B-0548-C1BS	0.5 - 1.5 ft	2530	9990	10800	43.8 J	40.9 J	3030	16.5 J	388
13B-0548-C1BT	0.5 - 1.5 ft	2450	9610	10300	32.1 EMPC-J	36.8 J	2820	16.3 EMPC-J	373
13B-0548-C1CS	1.5 - 2.5 ft	6220	20100	26900	21.6 U	131	7140	61.8	1310
13B-0548-C1IS	7.5 - 8.79 ft	5.1 U	13 U	8.95 U	9.96 U	9.27 U	9.06 U	5.41 U	10.5 U
13B-0549-C3AS	0 - 0.5 ft	3280	5940	15600	14.8 U	36.9 EMPC-J	3860	55.8	941
13B-0549-C3BS	0.5 - 1.5 ft	6.74 U	17.3 U	26.1 U	11.9 U	11.1 U	11.2 U	7.19 U	12.2 U
13B-0549-C3CS	1.5 - 2.65 ft	5.12 U	10.9 U	8.39 U	9.44 U	8.78 U	8.82 U	5.46 U	9.64 U
13B-0550-C3AS	0 - 0.5 ft	2630 J	7410 J	12500 J	51.7 J	32.7 J	3570 J	25 J	707 J
13B-0550-C3BS	0.5 - 1.5 ft	656	3890	3080	10.3 J	16 J	804	5.11 EMPC-J	219
13B-0550-C3CS	1.5 - 2.5 ft	2.4 U	6.2 U	12.5 U	3.89 U	3.56 U	3.53 U	2.46 U	3.94 U
13B-0550-C3FS	4.5 - 5.37 ft	1.91 U	5.46 U	10.9 U	3.1 U	2.84 U	2.82 U	1.96 U	3.14 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-179	PCB-18	PCB-180	PCB-181	PCB-182	PCB-183	PCB-184	PCB-185
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.31	10.3	12.4	10.3	5.35	11.6	5.11	10
	Maximum Detect	67300	1270000	300000	1170	751	88500	659	15400
	Mean of Detects	8720	99100	38000	233	180	10900	61.9	2050
	St. Dev. of Detects	13000	224000	58400	278	160	15900	93.1	3140
	CV of Detects	1.49	2.26	1.54	1.19	0.889	1.47	1.51	1.54
	% Detected	85.3	89.9	89.5	46.6	56.7	85.3	58.0	79.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	2370	23700	10500	12 U	51.7	2950	16.5 J	443
13B-0551-C2BS	0.5 - 0.88 ft	1890	21300	8910	12.5 U	11.7 U	2550	2.99 U	295
13B-0552-C3AS	0 - 0.5 ft	4830 J	19700 J	24900 J	87 J	63.2 EMPC-J	5940 J	41.1 J	1270 J
13B-0552-C3BS	0.5 - 1.5 ft	14200	44400	63700	198	184	16300	141	2320
13B-0552-C3CS	1.5 - 2.38 ft	29800	382000	132000 J	424 EMPC-J	392 J	33500 J	35.6 U	107 UJ
13B-0552-C3CT	1.5 - 2.38 ft	25400	439000 J	116000	443	292	28000	36 J	6370
13B-0553-C2AS	0 - 0.5 ft	1710	4050	8410	41.9 J	42.9 EMPC-J	2160	18.8 EMPC-J	397
13B-0553-C2BS	0.5 - 1.5 ft	2170	61.5 J	9830	11.8 EMPC-J	83.8	2310	20.4 J	515
13B-0553-C2CS	1.5 - 2.5 ft	13.7 EMPC-J	33.6 J	53.7 U	13.5 U	12.9 U	16.4 J	8.35 U	13.5 U
13B-0553-C2DS	2.5 - 3.5 ft	10.7 U	20.2 U	25.4 U	28.1 U	26.8 U	26.7 U	10.9 U	28.2 U
13B-0554-C1AS	0 - 0.5 ft	1740	5330	7510	19.5 EMPC-J	19.8	2080	11.7	335
13B-0554-C1BS	0.5 - 1.5 ft	5390	11600	24100	79.6 EMPC-J	73.5	7440	66.3	810
13B-0554-C1CS	1.5 - 2.5 ft	6180	31000	28200	95.5	73.8	8320	176	1320
13B-0554-C1ES	3.5 - 4.7 ft	9.31 EMPC-J	10 U	45.2 U	11.4 U	10.4 U	13.5 EMPC-J	4.84 U	10.6 U
13B-0555-C1AS	0 - 0.5 ft	58800 J	759000 J	257000 J	894 J	620 J	72800 J	84.3 J	11700 J
13B-0555-C1BS	0.5 - 1.22 ft	13600	250000	62800	256	285	18100	66.1	2600
13B-0555-C2CS	1.5 - 2 ft	67300 J	1270000 J	300000 J	1130 J	732 J	88500 J	90.9 J	13600 J
13B-0555-C2DS	2 - 3 ft	21900 J	353000 J	108000 J	437 J	350 J	32400 J	96.9 J	4350 J
13B-0556-C2AS	0 - 0.5 ft	4590 J	8920 J	22000 J	68.5 J	52.6 J	6210 J	32.9 EMPC-J	841 J
13B-0556-C2BS	0.5 - 1.5 ft	5770	10100	36000	85.6	59.9	9030	30.8	1790
13B-0556-C2CS	1.5 - 2.38 ft	3010	7400	13600	50.4	53.7	3720	19.4 EMPC-J	611
13B-0557-C2AS	0 - 0.5 ft	3690 J	15700 J	17500 J	68.5 J	13.7 UJ	4430 J	14.4 J	736 J
13B-0557-C2BS	0.5 - 1.5 ft	3780 J	14100 J	17700 J	8.48 UJ	7.82 UJ	4320 J	21.6 J	696 J
13B-0557-C2CS	1.5 - 2.5 ft	7960	55100	35600	16.1 U	14.9 U	9260	153	1500
13B-0557-C2ES	3.5 - 4.5 ft	8470	106000	38100	146	177	11300	41 J	1560
13B-0558-C2AS	0 - 0.5 ft	2590 J	10700 J	13300 J	32.8 EMPC-J	39.6 J	3470 J	21.1 EMPC-J	553 J
13B-0558-C2BS	0.5 - 1.5 ft	6810 J	6500	30600	56	331	7220	57.6 J	1290
13B-0558-C2CS	1.5 - 2.5 ft	833	118	4360	12.1 U	11.5 U	940	4.31 U	237
13B-0558-C2FS	4.5 - 5.75 ft	6.53 U	13.9 U	20.2 EMPC-J	10.6 U	10.1 U	10.1 U	6.61 U	10.6 U
13B-0559-C3AS	0 - 0.5 ft	1800	5170	11700	37	22.3 U	2620	37.6	496
13B-0559-C3BS	0.5 - 1.5 ft	3850 J	16100 J	20900 J	61.8 EMPC-J	71.8 J	5290 J	21.5 EMPC-J	1010 J
13B-0559-C3CS	1.5 - 2.5 ft	6800	59000	33700	98.2 EMPC-J	99.8	8250	219	1740

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-179	PCB-18	PCB-180	PCB-181	PCB-182	PCB-183	PCB-184	PCB-185
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.31	10.3	12.4	10.3	5.35	11.6	5.11	10
	Maximum Detect	67300	1270000	300000	1170	751	88500	659	15400
	Mean of Detects	8720	99100	38000	233	180	10900	61.9	2050
	St. Dev. of Detects	13000	224000	58400	278	160	15900	93.1	3140
	CV of Detects	1.49	2.26	1.54	1.19	0.889	1.47	1.51	1.54
	% Detected	85.3	89.9	89.5	46.6	56.7	85.3	58.0	79.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	9330	110000 J	46000	199	148 EMPC-J	12000	33.5	1730
13B-0560-C1AS	0 - 0.5 ft	889	3730	4070	38 U	34.2 U	1130	9.69 U	186
13B-0560-C1BS	0.5 - 1.5 ft	3130	14300	15000	44.7 EMPC-J	23.4 U	4110	19.7 J	724
13B-0560-C1CS	1.5 - 2.5 ft	4160 J	30000 J	19600 J	103 J	25.1 UJ	5500 J	8.47 UJ	1030 J
13B-0560-C1GS	5.14 - 5.86 ft	7.52 U	534	39.2 U	15.7 U	14.2 U	14.5 U	7.99 U	14.5 U
13B-0561-C1AS	0 - 0.5 ft	24400	268000	114000	286	444	30400	30.5 EMPC-J	5740
13B-0561-C1BS	0.5 - 1.5 ft	12300	195000	60700	45.6 U	226	18600	13.6 U	46.7 U
13B-0561-C1CS	1.5 - 2.5 ft	4540	141000 J	24400	56.7 EMPC-J	66.4	6250	9.26 U	1090
13B-0561-C1GS	5.5 - 6.5 ft	8.5 U	19.5 U	13.5 U	15.5 U	13.9 U	13.9 U	8.99 U	15.8 U
13B-0562-G2AS	0 - 0.5 ft	1590	3210	7010	48.4 J	14.3 U	1760	8.11 U	332
13B-0563-C2AS	0 - 0.5 ft	227	1690	1100	8.45 U	7.91 U	303	3.27 U	47.2

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-179**	**PCB-18**	**PCB-180**	**PCB-181**	**PCB-182**	**PCB-183**	**PCB-184**	**PCB-185**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.31**	**10.3**	**12.4**	**10.3**	**5.35**	**11.6**	**5.11**	**10**
	Maximum Detect	**67300**	**1270000**	**300000**	**1170**	**751**	**88500**	**659**	**15400**
	Mean of Detects	**8720**	**99100**	**38000**	**233**	**180**	**10900**	**61.9**	**2050**
	St. Dev. of Detects	**13000**	**224000**	**58400**	**278**	**160**	**15900**	**93.1**	**3140**
	CV of Detects	**1.49**	**2.26**	**1.54**	**1.19**	**0.889**	**1.47**	**1.51**	**1.54**
	% Detected	**85.3**	**89.9**	**89.5**	**46.6**	**56.7**	**85.3**	**58.0**	**79.0**
Sample ID	**Depth Interval**								
13B-0563-C2AT	0 - 0.5 ft	364	2170	1490	6.25 U	5.85 U	428	3.16 U	66.9
13B-0563-C2BS	0.5 - 1.1 ft	169	974	653	7.04 U	6.59 U	178	2.86 U	42.7
13B-0563-C2CS	1.1 - 2.5 ft	49700 J	1270000 J	205000 J	653 J	751 J	54200 J	77.4 J	10600 J
13B-0563-C2IS	7.5 - 8.28 ft	1160	3710	4560	13.1 U	50.9	1170	11.1 J	243
13B-0564-G2AS	0 - 0.5 ft	7140 J	34800 J	33600 J	119 J	101 EMPC-J	8250 J	72.6 J	2170 J
13B-0565-G1AS	0 - 0.5 ft	1180	3170	5100	22.1 U	20.2 U	1340	7.85 U	220 EMPC-J
13B-0566-G3AS	0 - 0.5 ft	770	3200	3260	22.7 U	20.7 U	820	8.44 U	177
13B-0567-G2AS	0 - 0.5 ft	5810 J	13800 J	26500 J	120 J	93.1 J	7550 J	60.6 J	1030 J
13B-0568-G2AS	0 - 0.5 ft	13800 J	184000 J	63800 J	231 EMPC-J	261 J	19300 J	37.7 EMPC-J	35.1 UJ
13B-0570-G3AS	0 - 0.5 ft	3620 J	16900 J	17700 J	7.15 UJ	6.72 UJ	4760 J	28.4 J	894 J
13B-0571-C3AS	0 - 0.5 ft	1540	4150	7360	29 J	4.41 U	1960	23.6 J	347
13B-0571-C3BS	0.5 - 1.5 ft	1170	623	5860	22.6 J	2.54 U	1540	20.6 J	250
13B-0571-C3CS	1.5 - 2.5 ft	127	34.9 J	623	2.1 U	1.97 U	161	0.873 U	23.4 J
13B-0571-C3MS	11 - 12 ft	1.05 U	2.07 U	14.6 U	2.06 U	1.93 U	1.96 U	1.15 U	1.96 U
13B-0572-C1AS	0 - 0.5 ft	348	836	1390	19.1 U	17.7 U	384	7.96 U	86.6
13B-0572-C1BS	0.5 - 1.5 ft	51.2	37.8 J	161	31.9 U	29.5 U	34.6 EMPC-J	12.1 U	34.5 U
13B-0572-C1CS	1.5 - 2.27 ft	8.39 U	28.2 EMPC-J	41.3 J	21 U	19.4 U	18.3 U	8.6 U	22.7 U
13B-0573-C2AS	0 - 0.5 ft	1260	9260	5100	21.8 U	20.2 U	1390	9.58 U	256
13B-0573-C2BS	0.5 - 1.5 ft	480	2730	2350	17.2 U	15.9 U	595	7.95 U	119
13B-0573-C2CS	1.5 - 2.5 ft	3130	25300 J	13600	49.4	52.7	3590	7.56 U	547
13B-0573-C2DS	2.5 - 3.75 ft	23 EMPC-J	150	97.1	17.4 U	15.6 U	23.8 EMPC-J	8.51 U	17.8 U
13B-0574-C2AS	0 - 0.5 ft	4430	78400	19100	13.6 U	89.9	6360	10.9 EMPC-J	689
13B-0574-C2BS	0.5 - 1.5 ft	3430	71000	15000	78	60.6	4860	8.01 EMPC-J	611
13B-0574-C2CS	1.5 - 2.5 ft	7280	86800	33200	11.5 U	114	10100	13.2 J	1500
13B-0574-C2HS	6.4 - 7.4 ft	9540	170000	44200	13.7 U	178	13500	16.7 J	1590
13B-0575-C4AS	0 - 0.5 ft	32700 J	551000 J	131000 J	443 EMPC-J	260 J	32600 J	57.4 EMPC-J	7830 J
13B-0575-C4BS	0.5 - 1.5 ft	17200	250000	62800	235	195	15800	19.1 EMPC-J	3430
13B-0575-C4CS	1.5 - 2.5 ft	8.37 U	418	41.1 U	13.9 U	13.3 U	12.1 U	8.37 U	15.2 U
13B-0575-C4FS	4.3 - 5.44 ft	4.53 U	28.2 J	9.31 U	8.54 U	8.12 U	7.41 U	4.53 U	9.32 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-179**	**PCB-18**	**PCB-180**	**PCB-181**	**PCB-182**	**PCB-183**	**PCB-184**	**PCB-185**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.31**	**10.3**	**12.4**	**10.3**	**5.35**	**11.6**	**5.11**	**10**
	Maximum Detect	**67300**	**1270000**	**300000**	**1170**	**751**	**88500**	**659**	**15400**
	Mean of Detects	**8720**	**99100**	**38000**	**233**	**180**	**10900**	**61.9**	**2050**
	St. Dev. of Detects	**13000**	**224000**	**58400**	**278**	**160**	**15900**	**93.1**	**3140**
	CV of Detects	**1.49**	**2.26**	**1.54**	**1.19**	**0.889**	**1.47**	**1.51**	**1.54**
	% Detected	**85.3**	**89.9**	**89.5**	**46.6**	**56.7**	**85.3**	**58.0**	**79.0**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	2170 J	1790 J	9250 J	34.1 J	23.8 J	2210 J	20.7 J	494 J
13B-0578-C5AS	0 - 0.5 ft	458	1190	2100	6.2 U	15 EMPC-J	572	2.7 U	81.6
13B-0578-C5BS	0.5 - 1.5 ft	1720	5120	8000	28.2 J	61.5 EMPC-J	2300	18.5 J	414
13B-0578-C5CS	1.5 - 2.5 ft	4440	112 J	19900	27 U	209	3810	32.2 EMPC-J	991
13B-0578-C5CT	1.5 - 2.5 ft	4940	169	22100	15.8 U	264	5310	49.6	1090
13B-0578-C5GS	5.25 - 6.25 ft	14.4 J	12.6 J	59.1 J	9.76 U	9.15 U	15 EMPC-J	3.04 U	10.1 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	5.82 U	14100	108	314	433	1930	379	8.05 U
13B-0501-C1BS	0.5 - 1.5 ft	2.29 U	2750	9.08 EMPC-J	53.4	838 J	276	63.2	3.87 U
13B-0501-C1CS	1.5 - 2.5 ft	4.39 U	9770	62.3	218	1390	1020	225	7.76 U
13B-0501-C1DS	2.5 - 3.07 ft	5.57 U	2010	5.49 U	13.9 J	31.2 J	98.9	7.48 U	7.81 U
13B-0502-C2AS	0 - 0.5 ft	10.2 U	2500	9.56 U	57.5 EMPC-J	559	299	64.9	19.2 U
13B-0502-C2BS	0.5 - 1.5 ft	7.6 U	14400	58.3	342	3910	1640	407	16 U
13B-0502-C2CS	1.5 - 2.45 ft	13 U	65500 J	211	1720	23900	8100	1850	39.4 U
13B-0503-C1AS	0 - 0.5 ft	7.69 U	718	7.22 U	19	79.4	98.8	14.3 U	15.2 U
13B-0503-C1BS	0.5 - 1.5 ft	8.53 U	13.2 U	8.01 U	13 U	26.3 U	11.1 U	11.4 U	12.1 U
13B-0503-C1CS	1.5 - 2.5 ft	9.11 U	15.5 U	8.55 U	13.8 U	29.7 U	14.1 U	13.4 U	14.2 U
13B-0503-C1DS	2.5 - 2.5 ft	7.74 U	11.1 U	7.26 U	12.6 U	27 U	9.61 U	9.55 U	10.1 U
13B-0504-C4AS	0 - 0.5 ft	9.84 UJ	53100 J	86 J	1330 J	3470 J	6270 J	1210 J	28.6 UJ
13B-0504-C4BS	0.5 - 1.5 ft	8.96 UJ	54500 J	80.3 J	1350 J	1270 J	6440 J	1240 J	35.5 UJ
13B-0504-C4CS	1.5 - 2.5 ft	6.56 U	20800	35	480	356	2160	423	18.6 U
13B-0504-C4KS	9.5 - 10.25 ft	2.8 U	673	2.88 U	7.16 U	28.6 J	13.7 J	5.66 U	5.97 U
13B-0505-C1AS	0 - 0.5 ft	7.08 UJ	14200 J	68 J	370 J	2100 J	1660 J	379 J	21.8 UJ
13B-0505-C1BS	0.5 - 1.5 ft	7.36 U	3960	7.7 U	104	1410	551	120	15.4 U
13B-0505-C1CS	1.5 - 2.5 ft	6.26 U	34900	133 EMPC-J	905	12300	4240	956	29.2 U
13B-0505-C1FS	4.5 - 5.2 ft	13.2 U	65.9	13.8 U	28.7 U	29.9 U	19.6 U	20 U	20.6 U
13B-0506-C2AS	0 - 0.5 ft	2.31 U	8480	82.9	257	572	1070 J	248	7.4 U
13B-0506-C2BS	0.5 - 1.5 ft	2.4 U	2820	31.1 J	19.6 J	59.3	111 J	28.3 J	5.52 U
13B-0506-C2CS	1.5 - 2.5 ft	2.07 U	189	1.98 U	3.81 U	11.3 U	9.01 J	3.17 U	3.31 U
13B-0507-C2AS	0 - 0.5 ft	5.42 U	183	5.34 U	6.31 J	21.7 J	20.6 EMPC-J	5.07 U	5.3 U
13B-0507-C2BS	0.5 - 1.5 ft	4.37 U	16.8 J	4.31 U	2.87 U	6.67 U	5.11 U	5.34 U	5.58 U
13B-0507-C2CS	1.5 - 2.5 ft	4.46 U	6.01 U	4.4 U	2.68 U	7.23 U	4.62 U	4.68 U	4.89 U
13B-0507-C2DS	2.5 - 3.5 ft	6.74 U	8.74 U	6.64 U	3.89 U	9.17 U	6.56 U	6.81 U	7.12 U
13B-0508-G3AS	0 - 0.5 ft	8.92 U	222	7.96 UJ	13.5 UJ	23.1 U	26.3 EMPC-J	14.6 U	15.1 U
13B-0509-C1AS	0 - 0.5 ft	5.87 U	44400 J	55.2	1390	33000	6110	1300	27.9 U
13B-0509-C1BS	0.5 - 1.5 ft	5.43 U	2900	18.4 EMPC-J	47.6 EMPC-J	1300	228	39.9 EMPC-J	11.6 U
13B-0509-C1CS	1.5 - 2.5 ft	5.9 U	110	6.19 U	19 U	20 U	16.7 U	14.1 U	14.8 U
13B-0509-C1ES	3.17 - 4.17 ft	9.35 U	20.1 U	9.8 U	25.6 U	26.4 U	17.5 U	16.8 U	17.6 U
13B-0510-C3AS	0 - 0.5 ft	1.83 U	14500	52	389	2250	1740	360	5.88 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	2.25 U	883	2.24 U	20.8 J	178	97.2	18.1 EMPC-J	3.76 U
13B-0511-C3AS	0 - 0.5 ft	2.63 UJ	19000 J	68.2 J	442 J	1990 J	2120 J	450 J	13.8 UJ
13B-0511-C3BS	0.5 - 1.5 ft	2.58 U	17900	49.5 J	402	2060	2040	445	10.1 U
13B-0511-C3CS	1.5 - 2.5 ft	3.61 U	35200	51.1	892	13500	4320	931	14.9 U
13B-0511-C3HS	5.95 - 6.95 ft	2.73 U	22500	93.7	409	4470	2150	418	12.8 U
13B-0512-G1AS	0 - 0.5 ft	1.75 UJ	13200 J	47.4 J	299 J	1690 J	1420 J	302 J	6.57 UJ
13B-0513-G1AS	0 - 0.5 ft	9.56 UJ	43800 J	74.3 J	1270 J	17700 J	6010 J	1290 J	32.8 UJ
13B-0514-G1AS	0 - 0.5 ft	1.64 UJ	14200 J	54.3 J	339 J	2170 J	1660 J	327 J	6.1 UJ
13B-0515-C1AS	0 - 0.5 ft	4.61 U	3110	7.67 EMPC-J	78.1	376	405	79.5	6.14 U
13B-0515-C1BS	0.5 - 1.71 ft	4.46 U	29 EMPC-J	4.36 U	4.32 U	12.4 U	5.53 U	5.59 U	5.64 U
13B-0515-C2CS	1.5 - 2.19 ft	4.61 U	14.6 J	4.51 U	4.63 U	17.7 U	5.83 U	5.65 U	5.7 U
13B-0516-C2AS	0 - 0.5 ft	3.07 UJ	14800 J	43.7 J	343 J	1520 J	1660 J	361 J	10.6 UJ
13B-0516-C2BS	0.5 - 1.5 ft	2.39 UJ	29500 J	69.5 J	695 J	3840 J	3320 J	712 J	9.7 UJ
13B-0516-C2CS	1.5 - 2.5 ft	11.4 J	49900 J	105 J	1280 J	14600 J	5820 J	1270 J	19.1 UJ
13B-0516-C2LS	10.4 - 11.4 ft	2.76 U	36700	57.9	741	13200	3600	763	16.7 U
13B-0517-G2AS	0 - 0.5 ft	2.58 U	574	2.26 UJ	10.2 EMPC-J	53	80.7	6.3 U	6.63 U
13B-0518-G1AS	0 - 0.5 ft	5.12 U	2620	11.5 J	69	328	367	70.4	6.28 U
13B-0518-G1AT	0 - 0.5 ft	3.49 U	3230	12.5 J	87.4	470	423	91.5	7.34 U
13B-0519-C2AS	0 - 0.5 ft	4.23 UJ	11200 J	28.5 EMPC-J	271 J	1160 J	1450 J	320 J	9.86 UJ
13B-0519-C2BS	0.5 - 1.5 ft	4.42 U	11600	32.3 EMPC-J	239	1460	1270	272	10.5 U
13B-0519-C2CS	1.5 - 2.5 ft	17.6 J	64300 J	85.7 J	1690 J	20800 J	7980 J	1810 J	28 UJ
13B-0519-C2RS	16.1 - 17.1 ft	6.62 U	39.5 J	5.8 UJ	13.4 U	15.2 U	13.4 U	13 U	13.7 U
13B-0520-G1AS	0 - 0.5 ft	3.98 UJ	12900 J	31.6 J	289 J	1230 J	1530 J	321 J	9.86 UJ
13B-0521-C2AS	0 - 0.5 ft	3.83 U	3000	3.86 U	142	299	575	116	10.5 U
13B-0521-C2BS	0.5 - 1.5 ft	3.35 U	769	3.38 U	15.5 EMPC-J	153	89.8 EMPC-J	20.3 J	7.38 U
13B-0521-C2CS	1.5 - 2.5 ft	3.77 U	2320	3.81 U	65.4	274	347	60.5	9.5 U
13B-0521-C2HS	6.5 - 7.63 ft	7.42 UJ	151000 J	137 J	4020 J	74600 J	19200 J	3850 J	49.4 UJ
13B-0522-G1AS	0 - 0.5 ft	4.06 UJ	19700 J	45.2 EMPC-J	407 J	1650 J	2180 J	416 J	14.5 UJ
13B-0522-G1AT	0 - 0.5 ft	7.58 UJ	17000 J	82.3 J	378 J	1610 J	1990 J	398 J	16.9 UJ
13B-0523-G2AS	0 - 0.5 ft	3.04 UJ	16400 J	73.3 J	422 J	1980 J	2110 J	424 J	14.4 UJ
13B-0524-C1AS	0 - 0.5 ft	7.83 UJ	15300 J	50.2 J	381 J	1410 J	1820 J	346 J	17.4 UJ
13B-0524-C1BS	0.5 - 1.5 ft	10.1 U	20700	63.2	488 J	1920	2410	506	23.8 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	9.26 U	25600	75 EMPC-J	646	3750	3010	619	21.8 U
13B-0524-C1GS	5.39 - 6.39 ft	10.3 U	49700	88.8	1380	13100	6210	1300	33.6 U
13B-0525-C1AS	0 - 0.5 ft	8.22 UJ	16600 J	66.3 J	423 J	1790 J	2100 J	421 J	21.9 UJ
13B-0525-C1BS	0.5 - 1.5 ft	6.47 UJ	21600 J	68 J	574 J	2180 J	2850 J	584 J	17.7 UJ
13B-0525-C1CS	1.5 - 2.5 ft	4.29 UJ	32300 J	75.4 J	909 J	3280 J	4260 J	858 J	23.4 UJ
13B-0525-C1HS	6.42 - 7.42 ft	11.3 U	30000	70.1	900	11600	4140	917	34.2 U
13B-0526-C1AS	0 - 0.5 ft	16.2 UJ	68500 J	56.2 EMPC-J	1830 J	28000 J	9080 J	1710 J	38.5 UJ
13B-0526-C1BS	0.5 - 1.5 ft	30.3 UJ	162000 J	102 J	4410 J	51500 J	22700 J	4430 J	16100 J
13B-0526-C1CS	1.5 - 2.5 ft	19.6 UJ	158000 J	108 J	3790 J	83500 J	19900 J	4120 J	48.6 UJ
13B-0526-C1CT	1.5 - 2.5 ft	18.6 UJ	145000 J	82.7 EMPC-J	3930 J	84400 J	19300 J	3990 J	50.3 UJ
13B-0526-C1HS	6.5 - 7.62 ft	6.79 U	12000	24.3 J	309	3920	1310	283	16.2 U
13B-0527-C2AS	0 - 0.5 ft	4.64 U	1070	4.59 U	26 J	111	141	27.6 J	7.54 U
13B-0527-C2BS	0.5 - 1.5 ft	3.56 U	75.6	3.52 U	3.98 U	8.94 U	12.7 J	4.91 U	5.1 U
13B-0527-C2CS	1.5 - 2.6 ft	4.22 U	4.97 U	4.18 U	3.89 U	9.71 U	4.38 U	4.23 U	4.4 U
13B-0528-C3AS	0 - 0.5 ft	4.24 UJ	23200 J	56.5 J	648 J	3760 J	3240 J	631 J	11.3 UJ
13B-0528-C3BS	0.5 - 1.5 ft	13.8 UJ	153000 J	128 J	4600 J	66500 J	22100 J	4880 J	53.3 UJ
13B-0528-C3CS	1.5 - 2.5 ft	13.2 UJ	47400 J	78.7 J	1330 J	6840 J	6120 J	1330 J	42.8 UJ
13B-0528-C3LS	10.5 - 11.54 ft	10.3 U	18800	64.3	29.4 EMPC-J	14.6 U	279	16.8 U	17.4 U
13B-0529-C2AS	0 - 0.5 ft	6.18 U	2250	6.42 U	37.5	1260	217	43.7	8.55 U
13B-0529-C2BS	0.5 - 1.5 ft	3.86 U	324	4.01 U	6.57 EMPC-J	61.5	36.3	8.82 J	4.48 U
13B-0529-C2CS	1.5 - 2.5 ft	4.62 U	339	4.8 U	4.23 U	13 EMPC-J	17.8	4.62 U	4.76 U
13B-0529-C2ES	3.5 - 4.2 ft	6.16 U	98.3	6.39 U	4.12 U	16.2 U	8.3 U	7.93 U	8.17 U
13B-0530-C1AS	0 - 0.5 ft	7.9 U	1690	7.67 U	45.3 J	707	248	49.3 J	13.5 U
13B-0530-C1BS	0.5 - 1.5 ft	8.1 U	20500	53.1	575	9380	2730	603	25.7 U
13B-0530-C1CS	1.5 - 1.8 ft	9.26 U	2900	8.99 U	84	4310	392	70.7	16.7 U
13B-0531-C2AS	0 - 0.5 ft	3.17 U	1450	2.9 U	34.5 J	254	200	5.47 U	5.75 U
13B-0531-C2AT	0 - 0.5 ft	2.57 U	1040	2.35 U	29.7 J	239	133	28.9 EMPC-J	6.24 U
13B-0531-C2BS	0.5 - 1.5 ft	2.45 U	1110	2.23 U	19.1 J	95	124	18.3 EMPC-J	5.29 U
13B-0531-C2CS	1.5 - 2.5 ft	2.32 U	296	2.29 U	4.22 U	7.08 U	17.3 J	3.42 U	3.58 U
13B-0531-C2ES	3.5 - 4.42 ft	2.41 U	8.36 EMPC-J	2.38 U	4.4 U	8.08 U	4.35 U	4.13 U	4.33 U
13B-0532-C1AS	0 - 0.5 ft	3.89 U	1590	12.6 J	40.6 J	426	205	47.3 J	6.25 U
13B-0532-C1BS	0.5 - 1.5 ft	6.05 U	678	6.03 U	13.4 EMPC-J	125	64.7	6.59 U	6.87 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	4.05 U	562	4.03 U	5.82 U	16 J	17.8 J	5.73 U	5.97 U
13B-0532-C1DS	2.5 - 3.73 ft	3.96 U	7.84 U	3.94 U	5.54 U	12.4 U	6.55 U	6.67 U	6.95 U
13B-0533-C2AS	0 - 0.5 ft	5.28 UJ	22100 J	63.8 J	564 J	3590 J	2890 J	589 J	14 UJ
13B-0533-C2AT	0 - 0.5 ft	4.24 UJ	20500 J	72.5 J	527 J	2790 J	2450 J	501 J	16.6 UJ
13B-0533-C2BS	0.5 - 1.5 ft	14.5 EMPC-J	128000 J	111 J	3770 J	73200 J	16900 J	3310 J	41.1 UJ
13B-0533-C2CS	1.5 - 2.5 ft	8 UJ	46900 J	70.7 J	1130 J	6460 J	5100 J	1030 J	26.9 UJ
13B-0533-C2JS	8.5 - 9.62 ft	5.97 U	34300	183	277	224	771	235	22.5 U
13B-0533-C2JT	8.5 - 9.62 ft	18 J	33600	187	271	196	811	228	21.5 U
13B-0534-C2AS	0 - 0.5 ft	9.29 UJ	69000 J	72.8 EMPC-J	1970 J	40700 J	9190 J	1910 J	28.6 UJ
13B-0534-C2AT	0 - 0.5 ft	10.2 UJ	62700 J	69.6 J	1860 J	39600 J	8530 J	1730 J	34 UJ
13B-0534-C2BS	0.5 - 1.5 ft	11.6 U	42800	53.9 EMPC-J	976	10600	4620	983	31.2 U
13B-0534-C2CS	1.5 - 2.5 ft	8.99 U	47800	107	431	104	2950	513	24.5 U
13B-0534-C2IS	7.5 - 8.59 ft	20.6 J	29000	111	206	48.6 J	831	181	18.6 U
13B-0535-C2AS	0 - 0.5 ft	6.09 UJ	19100 J	79.8 J	434 J	2200 J	2230 J	444 J	14.5 UJ
13B-0535-C2BS	0.5 - 1.5 ft	7.96 U	1040	8.31 U	20.2 U	47.5 J	64.3	19 U	20.1 U
13B-0535-C2CS	1.5 - 2.45 ft	5.15 U	43 J	5.2 U	7.01 U	19.8 U	6.53 U	6.6 U	6.95 U
13B-0536-C1AS	0 - 0.5 ft	2.18 UJ	14300 J	91.4 J	260 J	1010 J	1160 J	258 J	8.1 UJ
13B-0536-C1BS	0.5 - 1.5 ft	1.62 U	885	5.18 J	5.15 EMPC-J	34.5 J	22.6 EMPC-J	5.46 EMPC-J	3.28 U
13B-0536-C1CS	1.5 - 2.5 ft	2.09 U	192	2.06 U	6.28 U	18 J	6.87 J	3.57 U	3.86 U
13B-0536-C1FS	4.28 - 5.28 ft	2.14 U	12.5 U	2.12 U	6.28 U	6.51 U	3.78 U	3.64 U	3.92 U
13B-0537-C3AS	0 - 0.5 ft	3.14 U	2960	11.6 J	75.3 EMPC-J	633	345	71.8	7.29 U
13B-0538-C3AS	0 - 0.5 ft	30 EMPC-J	110000 J	98.9 J	3890 J	95100 J	18200 J	3580 J	53.3 UJ
13B-0538-C3BS	0.5 - 1.5 ft	28.1 EMPC-J	121000 J	103 EMPC-J	4040 J	87200 J	18900 J	3850 J	78 UJ
13B-0538-C3CS	1.5 - 2.5 ft	17.8 UJ	76500 J	48.4 EMPC-J	2710 J	71200 J	12100 J	2530 J	32 UJ
13B-0538-C3ES	3.5 - 4.8 ft	4.57 U	8.73 U	4.69 U	9.34 U	22.8 U	7.5 U	7.38 U	7.73 U
13B-0539-C3AS	0 - 0.5 ft	4.92 U	28500	61.1	747	6550	3380	740	19.3 U
13B-0539-C3AT	0 - 0.5 ft	7.58 U	36500	74.6	930	9520	4340	920	18.3 U
13B-0539-C3BS	0.5 - 1.5 ft	10.1 U	41500	84.9	520 J	304	2430	525	26 U
13B-0539-C3CS	1.5 - 2.5 ft	50.7 EMPC-J	76400	347	514	219	3040	551	41.9 U
13B-0539-C3HS	6.5 - 7.59 ft	5.35 U	24.7 J	5.07 U	11 U	10.7 U	9.23 U	8.52 U	9.08 U
13B-0540-C4AS	0 - 0.5 ft	5.46 UJ	14500 J	47.6 J	411 J	1500 J	1860 J	376 J	14.9 UJ
13B-0540-C4BS	0.5 - 1.5 ft	7.36 UJ	21000 J	50.1 J	553 J	5780 J	2680 J	562 J	20.4 UJ

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-186**	**PCB-187**	**PCB-188**	**PCB-189**	**PCB-19**	**PCB-190**	**PCB-191**	**PCB-192**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**5.26**	**8.36**	**4.76**	**5.15**	**13**	**6.87**	**5.46**	**16100**
	Maximum Detect	**50.7**	**187000**	**347**	**4600**	**137000**	**23400**	**4960**	**16100**
	Mean of Detects	**22.9**	**24100**	**66.5**	**710**	**11000**	**3240**	**749**	**16100**
	St. Dev. of Detects	**12.0**	**34900**	**50.2**	**1010**	**23000**	**4860**	**1030**	**0.00**
	CV of Detects	**0.523**	**1.45**	**0.756**	**1.42**	**2.10**	**1.50**	**1.38**	**0.00**
	% Detected	**5.46**	**90.3**	**63.4**	**76.5**	**78.6**	**81.5**	**72.7**	**0.420**
Sample ID	**Depth Interval**								
13B-0540-C4CS	1.5 - 2.5 ft	8.79 UJ	102000 J	101 J	3190 J	64900 J	15400 J	3020 J	32.3 UJ
13B-0540-C4LS	10.3 - 11.25 ft	6.93 U	16.2 J	6.43 U	10.5 U	20 U	8.93 U	9.11 U	9.63 U
13B-0541-C1AS	0 - 0.5 ft	6.22 UJ	16300 J	44.5 J	486 J	12200 J	2360 J	486 J	16 UJ
13B-0541-C1BS	0.5 - 1.5 ft	9.14 U	14300	9.54 U	402	19400	2050	424	23.1 U
13B-0541-C1CS	1.5 - 2.5 ft	2.38 U	4840	2.35 U	123	1520	614	113	8.06 U
13B-0541-C1FS	4.5 - 5.67 ft	6.12 U	10.8 U	6.39 U	9.29 U	24.2 U	9.42 U	8.99 U	9.48 U
13B-0542-C2AS	0 - 0.5 ft	5.53 U	4490	56	34.5 EMPC-J	66.9	104	33.7 J	14.4 U
13B-0542-C2BS	0.5 - 1.5 ft	3.52 U	7.57 U	3.55 U	8.46 U	16.1 U	6.23 U	6.35 U	6.69 U
13B-0542-C2CS	1.5 - 2.5 ft	4.41 U	8.57 U	4.45 U	11.4 U	18 U	8.25 U	7.19 U	7.58 U
13B-0542-C2HS	6.5 - 7.55 ft	3.84 U	6.19 U	3.87 U	6.87 U	15.2 U	5.27 U	5.19 U	5.47 U
13B-0543-G1AS	0 - 0.5 ft	2.42 UJ	10600 J	27.9 J	266 J	1540 J	1220 J	252 J	7.25 UJ
13B-0544-C2AS	0 - 0.5 ft	3.17 UJ	9560 J	24.6 J	263 J	1140 J	1160 J	252 J	10.5 UJ
13B-0544-C2BS	0.5 - 1.5 ft	3.91 U	14000	34.6 J	349	1600	1690	356	14.2 U
13B-0544-C2CS	1.5 - 2.5 ft	5.47 U	24500	89.4	670	2550	3000	667	22.4 U
13B-0544-C2ES	3 - 3.97 ft	4.85 U	16800	98.5	233	1070	1130	219	17.3 U
13B-0546-G2AS	0 - 0.5 ft	3.47 U	996	3.62 U	20.4 J	556	122	16.2 EMPC-J	7.15 U
13B-0547-C2AS	0 - 0.5 ft	9.38 UJ	89600 J	110 J	2650 J	57800 J	12700 J	2700 J	56.1 UJ
13B-0547-C2BS	0.5 - 1.5 ft	14.6 UJ	53200 J	125 J	1250 J	14800 J	6240 J	1260 J	47.3 UJ
13B-0547-C2CS	1.5 - 2.05 ft	6.22 U	22200	253	110	159	577	119	30.6 U
13B-0547-C2HS	6.5 - 7.15 ft	3.63 U	12.6 EMPC-J	3.33 U	4.97 U	9.42 U	5.35 U	4.92 U	5.13 U
13B-0548-C1AS	0 - 0.5 ft	3.68 U	6330	19.6 J	154	1670	785	155	8.3 U
13B-0548-C1BS	0.5 - 1.5 ft	4.46 U	7060	15.3 J	196	1270	910	182	9.48 U
13B-0548-C1BT	0.5 - 1.5 ft	6.33 U	6830	18.8 EMPC-J	170	1210	831	177	16.6 U
13B-0548-C1CS	1.5 - 2.5 ft	6.17 U	19300	68.8	375	1870	1810	404	18.7 U
13B-0548-C1IS	7.5 - 8.79 ft	5.22 U	9.56 U	4.61 U	8.17 U	18.5 U	8.33 U	8.11 U	8.64 U
13B-0549-C3AS	0 - 0.5 ft	4.18 U	9430	21.6 EMPC-J	246	694	1300	263	12.6 U
13B-0549-C3BS	0.5 - 1.5 ft	6.75 U	11.5 U	6.06 U	14 U	24.1 U	10.9 U	9.73 U	10.2 U
13B-0549-C3CS	1.5 - 2.65 ft	5.13 U	9.13 U	4.6 U	10.6 U	15.2 U	8.36 U	7.69 U	8.06 U
13B-0550-C3AS	0 - 0.5 ft	2.64 UJ	8700 J	18.2 EMPC-J	204 J	989 J	1030 J	207 J	6.07 UJ
13B-0550-C3BS	0.5 - 1.5 ft	1.95 U	2060	4.76 EMPC-J	49.1 J	436	252	49.1	3.39 U
13B-0550-C3CS	1.5 - 2.5 ft	2.35 U	8.72 J	2.42 U	3.58 U	9.14 U	3.36 U	3.07 U	3.24 U
13B-0550-C3FS	4.5 - 5.37 ft	1.88 U	8.38 J	1.93 U	2.78 U	8.04 U	2.54 U	2.45 U	2.59 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	2.54 U	6680	18.3 J	177	2890	889	177	10.9 U
13B-0551-C2BS	0.5 - 0.88 ft	2.87 U	5870	9.31 EMPC-J	126 EMPC-J	2160	690	133 EMPC-J	11.4 U
13B-0552-C3AS	0 - 0.5 ft	5.02 UJ	15200 J	42.8 J	426 J	1950 J	2160 J	417 J	15.5 UJ
13B-0552-C3BS	0.5 - 1.5 ft	10.3 U	38900	82.1	943	4360	5240	1050	34.1 U
13B-0552-C3CS	1.5 - 2.38 ft	36 U	70000 J	132	1780 J	41000	10300 J	2170 J	86.5 UJ
13B-0552-C3CT	1.5 - 2.38 ft	4.98 U	68500	61.4	1870	40000	9060	1860	52.8 U
13B-0553-C2AS	0 - 0.5 ft	7.35 U	6310	25.2 J	129	590	603	126	20.2 U
13B-0553-C2BS	0.5 - 1.5 ft	3.29 U	10800	67.9	28.8 J	11.2 U	211	32.6 J	7.9 U
13B-0553-C2CS	1.5 - 2.5 ft	8.21 U	36.6 U	7.98 U	14.1 U	17.6 U	11.2 U	11.2 U	11.7 U
13B-0553-C2DS	2.5 - 3.5 ft	10.7 U	27.5 U	10.4 U	34.9 U	29.2 U	25.9 U	23.3 U	24.3 U
13B-0554-C1AS	0 - 0.5 ft	3.44 U	4790	18.6 EMPC-J	114 EMPC-J	823	627	124	6.84 U
13B-0554-C1BS	0.5 - 1.5 ft	4.51 U	15800	46.9	392 J	1360	1950	419	15.3 U
13B-0554-C1CS	1.5 - 2.5 ft	4.84 U	17400	29.2 EMPC-J	477 J	3070	2360	488	21.7 U
13B-0554-C1ES	3.5 - 4.7 ft	4.67 U	57.2	4.82 U	14.6 U	14.5 U	10.4 U	9.15 U	9.8 U
13B-0555-C1AS	0 - 0.5 ft	26.3 J	156000 J	103 J	3720 J	82400 J	20500 J	4160 J	43.1 UJ
13B-0555-C1BS	0.5 - 1.22 ft	10.8 U	41700	91.9 J	991 J	24000	4960	1000	26.4 U
13B-0555-C2CS	1.5 - 2 ft	32.3 J	187000 J	123 J	4350 J	137000 J	23400 J	4960 J	59.7 UJ
13B-0555-C2DS	2 - 3 ft	34.9 J	70500 J	128 J	1640 J	35800 J	8430 J	1750 J	42.9 UJ
13B-0556-C2AS	0 - 0.5 ft	7.57 UJ	12700 J	27.2 J	382 J	1270 J	1920 J	378 J	14.5 UJ
13B-0556-C2BS	0.5 - 1.5 ft	12 U	19500	39	618 J	1460	3080	580	17.7 U
13B-0556-C2CS	1.5 - 2.38 ft	8.02 U	9780	23.7 EMPC-J	205	1040	997	211	13 U
13B-0557-C2AS	0 - 0.5 ft	3.32 UJ	10900 J	27.6 J	318 J	2170 J	1400 J	307 J	12.7 UJ
13B-0557-C2BS	0.5 - 1.5 ft	2.62 UJ	10500 J	27.7 J	307 J	1940 J	1420 J	324 J	7.3 UJ
13B-0557-C2CS	1.5 - 2.5 ft	3.29 U	23800	76.2	639	6680	2780 J	695	13.9 U
13B-0557-C2ES	3.5 - 4.5 ft	8.64 J	28900	96.1	589	9870	2740	600	12.7 U
13B-0558-C2AS	0 - 0.5 ft	4.91 UJ	8130 J	26.7 J	220 J	1370 J	1020 J	220 J	16.3 UJ
13B-0558-C2BS	0.5 - 1.5 ft	4.14 U	36000	176 J	123	764	827	135	14 U
13B-0558-C2CS	1.5 - 2.5 ft	4.09 U	4860	6.29 EMPC-J	19.6	17.7	110	10 U	10.5 U
13B-0558-C2FS	4.5 - 5.75 ft	6.28 U	13.6 EMPC-J	5.67 UJ	8.68 U	18.3 U	9.06 U	8.85 U	9.27 U
13B-0559-C3AS	0 - 0.5 ft	8.53 U	6240	16.6 EMPC-J	170	748	914	190	21 U
13B-0559-C3BS	0.5 - 1.5 ft	8.36 UJ	12700 J	28.8 J	305 J	1990 J	1660 J	358 J	28.2 UJ
13B-0559-C3CS	1.5 - 2.5 ft	8.55 U	20000	41.9 EMPC-J	529	5710	2560	592	29.8 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191	PCB-192
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.26	8.36	4.76	5.15	13	6.87	5.46	16100
	Maximum Detect	50.7	187000	347	4600	137000	23400	4960	16100
	Mean of Detects	22.9	24100	66.5	710	11000	3240	749	16100
	St. Dev. of Detects	12.0	34900	50.2	1010	23000	4860	1030	0.00
	CV of Detects	0.523	1.45	0.756	1.42	2.10	1.50	1.38	0.00
	% Detected	5.46	90.3	63.4	76.5	78.6	81.5	72.7	0.420
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	9.61 U	28600	71.6 EMPC-J	715	10100	3500	835	33 U
13B-0560-C1AS	0 - 0.5 ft	9.07 U	2650	9.81 U	61.1	695	313 EMPC-J	29.3 U	31.5 U
13B-0560-C1BS	0.5 - 1.5 ft	6.89 U	9330	26.6 EMPC-J	262	2420	1230	20.1 U	21.5 U
13B-0560-C1CS	1.5 - 2.5 ft	7.93 UJ	12200 J	31 J	337 J	8210 J	1610 J	338 J	23 UJ
13B-0560-C1GS	5.14 - 5.86 ft	7.48 U	20.9 U	8.09 U	15 U	64.9	13.1 U	12.1 U	13 U
13B-0561-C1AS	0 - 0.5 ft	10.4 U	73600	104	1700 J	25200	8160	1810	75.1 U
13B-0561-C1BS	0.5 - 1.5 ft	12.6 U	38800	55	944	19300	4750	969	39.2 U
13B-0561-C1CS	1.5 - 2.5 ft	8.59 U	14700	8.79 U	425 J	8090 J	1920	386	23.2 U
13B-0561-C1GS	5.5 - 6.5 ft	8.33 U	14.5 U	8.53 U	17.8 U	27 U	13.2 U	12.3 U	13.3 U
13B-0562-G2AS	0 - 0.5 ft	7.67 U	4110	8.02 U	150	612	692	144	13.3 U
13B-0563-C2AS	0 - 0.5 ft	3.14 U	661	3.28 U	17 J	283	93.4	18 EMPC-J	7.69 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-186**	**PCB-187**	**PCB-188**	**PCB-189**	**PCB-19**	**PCB-190**	**PCB-191**	**PCB-192**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**5.26**	**8.36**	**4.76**	**5.15**	**13**	**6.87**	**5.46**	**16100**
	Maximum Detect	**50.7**	**187000**	**347**	**4600**	**137000**	**23400**	**4960**	**16100**
	Mean of Detects	**22.9**	**24100**	**66.5**	**710**	**11000**	**3240**	**749**	**16100**
	St. Dev. of Detects	**12.0**	**34900**	**50.2**	**1010**	**23000**	**4860**	**1030**	**0.00**
	CV of Detects	**0.523**	**1.45**	**0.756**	**1.42**	**2.10**	**1.50**	**1.38**	**0.00**
	% Detected	**5.46**	**90.3**	**63.4**	**76.5**	**78.6**	**81.5**	**72.7**	**0.420**
Sample ID	**Depth Interval**								
13B-0563-C2AT	0 - 0.5 ft	3.03 U	1020	3.17 U	25.5 J	353	133	27.6 J	5.69 U
13B-0563-C2BS	0.5 - 1.1 ft	2.74 U	455	2.87 U	7.38 U	160	47.8	12.4 J	6.4 U
13B-0563-C2CS	1.1 - 2.5 ft	10.6 UJ	126000 J	156 J	3460 J	126000 J	16100 J	3380 J	64.8 UJ
13B-0563-C2IS	7.5 - 8.28 ft	3 U	4290	27.4 J	51.9 EMPC-J	338	280	61.3	11.5 U
13B-0564-G2AS	0 - 0.5 ft	8.01 UJ	21300 J	59.5 J	579 J	3390 J	2900 J	599 J	24.8 UJ
13B-0565-G1AS	0 - 0.5 ft	7.42 U	3320	7.76 U	94.2	428	439	76.7 EMPC-J	18.9 U
13B-0566-G3AS	0 - 0.5 ft	7.98 U	2050	8.35 U	51 EMPC-J	1000	294	71.1	19.4 U
13B-0567-G2AS	0 - 0.5 ft	5.62 UJ	18600 J	71 J	397 J	1650 J	2120 J	408 J	16.8 UJ
13B-0568-G2AS	0 - 0.5 ft	8.89 UJ	38000 J	64.2 EMPC-J	1140 J	14700 J	4940 J	1040 J	28.9 UJ
13B-0570-G3AS	0 - 0.5 ft	1.66 UJ	11200 J	29 J	315 J	1570 J	1350 J	280 J	6.2 UJ
13B-0571-C3AS	0 - 0.5 ft	1.51 U	4590	13.6 J	135	623	611	119	4.07 U
13B-0571-C3BS	0.5 - 1.5 ft	0.991 U	3390	6.74 EMPC-J	99	114	477	103	2.34 U
13B-0571-C3CS	1.5 - 2.5 ft	0.828 U	419	0.837 U	10.6 J	3.5 U	49.3	8.08 J	1.82 U
13B-0571-C3MS	11 - 12 ft	1.09 U	9.4 U	1.1 U	1.7 U	3.02 U	1.74 U	1.71 U	1.79 U
13B-0572-C1AS	0 - 0.5 ft	7.73 U	1270	7.62 U	15.7 U	126	76.7 EMPC-J	15.4 U	16.1 U
13B-0572-C1BS	0.5 - 1.5 ft	11.7 U	156	11.6 U	39.6 U	30.1 U	28.6 U	25.7 U	26.9 U
13B-0572-C1CS	1.5 - 2.27 ft	8.36 U	24.6 J	8.23 U	25.3 U	18.8 U	17.8 U	16.9 U	17.7 U
13B-0573-C2AS	0 - 0.5 ft	9.31 U	4570	9.18 U	71.6	1450	440	74.1 EMPC-J	18.4 U
13B-0573-C2BS	0.5 - 1.5 ft	7.72 U	1470	7.61 U	28.8 EMPC-J	453	201	40.2 J	14.5 U
13B-0573-C2CS	1.5 - 2.5 ft	7.35 U	8630	22.3 J	238	2300 J	1160	241	18.4 U
13B-0573-C2DS	2.5 - 3.75 ft	7.89 U	55.6 EMPC-J	8.08 U	15.6 U	22.8 U	14.2 U	13.8 U	14.9 U
13B-0574-C2AS	0 - 0.5 ft	2.42 U	13900	30.5 EMPC-J	337	7160	1520	345	11 U
13B-0574-C2BS	0.5 - 1.5 ft	1.87 U	10500	19.4 J	286 J	7000	1250	262	6.6 U
13B-0574-C2CS	1.5 - 2.5 ft	2.42 U	24400	27.9 J	582	8460	2540	565	9.28 U
13B-0574-C2HS	6.4 - 7.4 ft	2.39 U	28800	33.6 EMPC-J	775	16900	3540	749	11.1 U
13B-0575-C4AS	0 - 0.5 ft	10.1 UJ	81500 J	72.3 J	2260 J	43100 J	10700 J	2120 J	44 UJ
13B-0575-C4BS	0.5 - 1.5 ft	7.7 U	39900	36.5 EMPC-J	1060	22300	5040	1010	28.7 U
13B-0575-C4CS	1.5 - 2.5 ft	8.17 U	24.6 J	7.89 U	17.7 U	82.4	13.3 U	11.3 U	12 U
13B-0575-C4FS	4.3 - 5.44 ft	4.43 U	8.35 U	4.27 U	8.43 U	14.6 U	8.37 U	6.93 U	7.33 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-186**	**PCB-187**	**PCB-188**	**PCB-189**	**PCB-19**	**PCB-190**	**PCB-191**	**PCB-192**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**5.26**	**8.36**	**4.76**	**5.15**	**13**	**6.87**	**5.46**	**16100**
	Maximum Detect	**50.7**	**187000**	**347**	**4600**	**137000**	**23400**	**4960**	**16100**
	Mean of Detects	**22.9**	**24100**	**66.5**	**710**	**11000**	**3240**	**749**	**16100**
	St. Dev. of Detects	**12.0**	**34900**	**50.2**	**1010**	**23000**	**4860**	**1030**	**0.00**
	CV of Detects	**0.523**	**1.45**	**0.756**	**1.42**	**2.10**	**1.50**	**1.38**	**0.00**
	% Detected	**5.46**	**90.3**	**63.4**	**76.5**	**78.6**	**81.5**	**72.7**	**0.420**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	5.09 UJ	6120 J	16.8 EMPC-J	167 J	366 J	761 J	150 J	11.6 UJ
13B-0578-C5AS	0 - 0.5 ft	2.56 U	1940	12.9 J	27.4 J	186	125	21.5 J	5.35 U
13B-0578-C5BS	0.5 - 1.5 ft	5.26 EMPC-J	8530	65.4	79.2	440	329	68	9.94 U
13B-0578-C5CS	1.5 - 2.5 ft	3.77 U	19800	183	69.2	11.4 U	449	81.1	23.1 U
13B-0578-C5CT	1.5 - 2.5 ft	3.95 U	25600	196	24.6 U	11.9 U	555	12.9 U	13.5 U
13B-0578-C5GS	5.25 - 6.25 ft	2.87 U	56.7	2.93 U	9.66 U	9.03 U	7.79 U	7.94 U	8.34 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	23300	6970	3050	3570	245	7440	7440	121
13B-0501-C1BS	0.5 - 1.5 ft	3510	841	358	409	28.7 J	1100	1100	82.3
13B-0501-C1CS	1.5 - 2.5 ft	12800	3080	1210	1440	101	3800	3800	115
13B-0501-C1DS	2.5 - 3.07 ft	2000	967	277	479	21.7 EMPC-J	1680	1680	40.7 J
13B-0502-C2AS	0 - 0.5 ft	3850	1220	427	627	39 EMPC-J	1780	1780	70
13B-0502-C2BS	0.5 - 1.5 ft	21300	5310	2120	2760	198	6500	6500	326
13B-0502-C2CS	1.5 - 2.45 ft	105000 J	33500	13100	13700	796	33100	33100	2070
13B-0503-C1AS	0 - 0.5 ft	1100	314	113	161	11.8 U	501	501	16.3 U
13B-0503-C1BS	0.5 - 1.5 ft	12.5 U	17.7 U	19.1 U	11.3 U	7.61 U	12 U	12 U	17.7 U
13B-0503-C1CS	1.5 - 2.5 ft	19.5 EMPC-J	29.7 U	32.2 U	18 U	12.2 U	19.2 U	19.2 U	16.9 U
13B-0503-C1DS	2.5 - 2.5 ft	10.5 U	18.1 U	19.6 U	14.8 U	10 U	15.8 U	15.8 U	15.7 U
13B-0504-C4AS	0 - 0.5 ft	82800 J	24700 J	8780 J	12000 J	784 J	30600 J	30600 J	808 J
13B-0504-C4BS	0.5 - 1.5 ft	84400 J	26200 J	9110 J	12600 J	780 J	34200 J	34200 J	992 J
13B-0504-C4CS	1.5 - 2.5 ft	30600	11200	3530	5200	336	15600	15600	513
13B-0504-C4KS	9.5 - 10.25 ft	540	485	85.9	184	9.31 J	783	783	50.6
13B-0505-C1AS	0 - 0.5 ft	21900 J	6080 J	2320 J	2860 J	188 J	7130 J	7130 J	477 J
13B-0505-C1BS	0.5 - 1.5 ft	6330	1770	684	911	49.9	2230	2230	425
13B-0505-C1CS	1.5 - 2.5 ft	54700	13800	5660	6440	477	15000	15000	1750
13B-0505-C1FS	4.5 - 5.2 ft	72.1 U	73.9	46 U	29.8 U	20.3 U	93.6 J	93.6 J	20 U
13B-0506-C2AS	0 - 0.5 ft	12700	3840	1350	1970	121	5740	5740	94.3
13B-0506-C2BS	0.5 - 1.5 ft	2370	1670	388	1050	79	4160	4160	20.6 J
13B-0506-C2CS	1.5 - 2.5 ft	184	111	22.6 J	76.6	6.01 J	314	314	6.61 J
13B-0507-C2AS	0 - 0.5 ft	265	75.1	30.4 J	31.2 EMPC-J	5.02 U	123	123	17.8 J
13B-0507-C2BS	0.5 - 1.5 ft	22.4 U	6.19 U	7.02 U	6.46 U	4.69 U	15.8 J	15.8 J	8.7 J
13B-0507-C2CS	1.5 - 2.5 ft	5.17 U	4.62 U	5.23 U	5.42 U	3.93 U	5.84 U	5.84 U	6.57 EMPC-J
13B-0507-C2DS	2.5 - 3.5 ft	7.52 U	7.38 U	8.37 U	8.11 U	5.88 U	8.73 U	8.73 U	11.2 J
13B-0508-G3AS	0 - 0.5 ft	321	93.4	32.1 U	38 EMPC-J	13.3 U	119	119	12.5
13B-0509-C1AS	0 - 0.5 ft	75100	18600	7280	8480	519	18900	18900	1620
13B-0509-C1BS	0.5 - 1.5 ft	3520	1580	424	702	61.7 EMPC-J	2270	2270	90.5
13B-0509-C1CS	1.5 - 2.5 ft	118	95.6	44.3 U	32 EMPC-J	12.7 U	99.7 EMPC-J	99.7 EMPC-J	93.5
13B-0509-C1ES	3.17 - 4.17 ft	24.6 U	61.4 U	66.4 U	27.6 U	20.3 U	28.7 U	28.7 U	374
13B-0510-C3AS	0 - 0.5 ft	22100	6230	2310	2940	223	7360	7360	128

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	1170	364	123	194	20.2 J	510	510	21 EMPC-J
13B-0511-C3AS	0 - 0.5 ft	26600 J	7430 J	3150 J	3350 J	279 J	8730 J	8730 J	376 J
13B-0511-C3BS	0.5 - 1.5 ft	25400	6850	2930	3200	205	7680	7680	624
13B-0511-C3CS	1.5 - 2.5 ft	54200	14500	6120	6470	364	15300	15300	1050
13B-0511-C3HS	5.95 - 6.95 ft	30100	12200	4010	5730	416	18300	18300	320
13B-0512-G1AS	0 - 0.5 ft	18500 J	5290 J	2150 J	2340 J	175 J	5950 J	5950 J	232 J
13B-0513-G1AS	0 - 0.5 ft	72700 J	17600 J	7000 J	8600 J	546 J	20700 J	20700 J	942 J
13B-0514-G1AS	0 - 0.5 ft	20500 J	6120 J	2410 J	2630 J	195 J	6700 J	6700 J	336 J
13B-0515-C1AS	0 - 0.5 ft	4910	1350	493	705	53	1860	1860	47.5
13B-0515-C1BS	0.5 - 1.71 ft	36.1 J	16.6 J	7.35 U	10.1 EMPC-J	3.85 U	33.9 J	33.9 J	4.71 U
13B-0515-C2CS	1.5 - 2.19 ft	29.9 J	6.66 U	7.06 U	6.08 U	4.32 U	13.9 J	13.9 J	5.9 U
13B-0516-C2AS	0 - 0.5 ft	20900 J	5700 J	2430 J	2490 J	178 J	6340 J	6340 J	411 J
13B-0516-C2BS	0.5 - 1.5 ft	43300 J	12500 J	5130 J	5090 J	389 J	12400 J	12400 J	972 J
13B-0516-C2CS	1.5 - 2.5 ft	75000 J	20400 J	8510 J	8930 J	4.46 UJ	20900 J	20900 J	4630 J
13B-0516-C2LS	10.4 - 11.4 ft	50500	17400	6460	7400	5.66 U	20300	20300	999
13B-0517-G2AS	0 - 0.5 ft	891	265	113	129	6.26 EMPC-J	336	336	12.2 J
13B-0518-G1AS	0 - 0.5 ft	4140	1160	402	581	31.4 J	1520	1520	47.9 U
13B-0518-G1AT	0 - 0.5 ft	5080	1340	515	643	46.4 J	1760	1760	82.5
13B-0519-C2AS	0 - 0.5 ft	17900 J	5040 J	2020 J	2330 J	150 EMPC-J	5730 J	5730 J	300 J
13B-0519-C2BS	0.5 - 1.5 ft	17900	6800	2240	3170	203	8610	8610	402
13B-0519-C2CS	1.5 - 2.5 ft	103000 J	29000 J	11800 J	13100 J	1080 J	32400 J	32400 J	2110 J
13B-0519-C2RS	16.1 - 17.1 ft	65.1 J	38.3 U	43.5 U	23.3 U	17.2 U	24.5 U	24.5 U	8.32 U
13B-0520-G1AS	0 - 0.5 ft	19500 J	5430 J	2030 J	2450 J	171 J	6350 J	6350 J	292 J
13B-0521-C2AS	0 - 0.5 ft	6710	3750	1440	1770	88.6	3510	3510	99.3
13B-0521-C2BS	0.5 - 1.5 ft	1230	391	145	203	15.4 J	549	549	21.5 J
13B-0521-C2CS	1.5 - 2.5 ft	3790	937	369	488	35.3 J	1260	1260	39.9 EMPC-J
13B-0521-C2HS	6.5 - 7.63 ft	255000 J	69000 J	25700 J	32900 J	1710 J	73300 J	73300 J	2200 J
13B-0522-G1AS	0 - 0.5 ft	27900 J	8800 J	3130 J	3670 J	260 J	10400 J	10400 J	381 J
13B-0522-G1AT	0 - 0.5 ft	24900 J	7790 J	2840 J	3090 J	202 J	8600 J	8600 J	380 J
13B-0523-G2AS	0 - 0.5 ft	25600 J	7330 J	2800 J	3480 J	279 J	8410 J	8410 J	333 J
13B-0524-C1AS	0 - 0.5 ft	22300 J	5350 J	2350 J	2570 J	158 EMPC-J	6230 J	6230 J	399 J
13B-0524-C1BS	0.5 - 1.5 ft	29900	7200	3120	3530	260	8180	8180	737

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	38700	10200	3990	4540	305	10700	10700	955
13B-0524-C1GS	5.39 - 6.39 ft	76300	19100	7570	8910	641	19700	19700	4560
13B-0525-C1AS	0 - 0.5 ft	25200 J	6710 J	2880 J	3210 J	227 J	7830 J	7830 J	478 J
13B-0525-C1BS	0.5 - 1.5 ft	34800 J	9430 J	3700 J	4460 J	271 J	9870 J	9870 J	847 J
13B-0525-C1CS	1.5 - 2.5 ft	52400 J	13800 J	5490 J	6720 J	438 J	15700 J	15700 J	1000 J
13B-0525-C1HS	6.42 - 7.42 ft	49500	12400	5240	5760	282	13500	13500	3210
13B-0526-C1AS	0 - 0.5 ft	108000 J	32400 J	12400 J	13100 J	849 J	35500 J	35500 J	1530 J
13B-0526-C1BS	0.5 - 1.5 ft	264000 J	76900 J	29400 J	33400 J	2070 J	87300 J	87300 J	1340 J
13B-0526-C1CS	1.5 - 2.5 ft	252000 J	73400 J	27300 J	32600 J	2210 J	85900 J	85900 J	2760 J
13B-0526-C1CT	1.5 - 2.5 ft	244000 J	73500 J	27900 J	30100 J	1940 J	79000 J	79000 J	3150 J
13B-0526-C1HS	6.5 - 7.62 ft	17300	5070	1820	2050	171	6440	6440	345
13B-0527-C2AS	0 - 0.5 ft	1720	451	173	239	16.8 J	608	608	22.7 J
13B-0527-C2BS	0.5 - 1.5 ft	125	21.5 J	6.78 EMPC-J	15.5 J	3.48 U	33.6 J	33.6 J	3.1 U
13B-0527-C2CS	1.5 - 2.6 ft	12.4 J	5.56 U	6.02 U	5.47 U	4.08 U	5.69 U	5.69 U	3.47 U
13B-0528-C3AS	0 - 0.5 ft	37700 J	10900 J	4040 J	4920 J	332 J	12400 J	12400 J	397 J
13B-0528-C3BS	0.5 - 1.5 ft	267000 J	75900 J	27900 J	33000 J	1930 J	75500 J	75500 J	1620 J
13B-0528-C3CS	1.5 - 2.5 ft	80900 J	26900 J	8950 J	12200 J	669 J	34500 J	34500 J	1230 J
13B-0528-C3LS	10.5 - 11.54 ft	14400	15000	2210	5450	256	25000	25000	128
13B-0529-C2AS	0 - 0.5 ft	2850	826	289	445	26.5	1470	1470	81.6
13B-0529-C2BS	0.5 - 1.5 ft	490	122	45.5	72.4	4.42 U	193	193	14.4
13B-0529-C2CS	1.5 - 2.5 ft	292	190	36.1	153	17.4 EMPC-J	762	762	10.2
13B-0529-C2ES	3.5 - 4.2 ft	65.1	55.2	9.35 U	45	8.94 U	232	232	4.53 U
13B-0530-C1AS	0 - 0.5 ft	2700	723	287 EMPC-J	377	27.9 J	1100	1100	49.7
13B-0530-C1BS	0.5 - 1.5 ft	34400	8930	3660	4470	295	10500	10500	2060
13B-0530-C1CS	1.5 - 1.8 ft	4650	1220	495	639	31 EMPC-J	1590	1590	1770
13B-0531-C2AS	0 - 0.5 ft	2440	929 J	328	518	32.4 J	1570 J	1570 J	22.1 J
13B-0531-C2AT	0 - 0.5 ft	1650	373 J	129	197	12.8 J	612 J	612 J	29.7 J
13B-0531-C2BS	0.5 - 1.5 ft	1340	291	130	161	9.15 J	420	420	5.85 U
13B-0531-C2CS	1.5 - 2.5 ft	254	161	37 J	105 EMPC-J	9.39 J	705	705	6.92 U
13B-0531-C2ES	3.5 - 4.42 ft	9.43 U	6.2 U	6.68 U	4.2 U	2.78 U	13 EMPC-J	13 EMPC-J	5.49 U
13B-0532-C1AS	0 - 0.5 ft	2470	679	273	357	34.3 J	924	924	69.3 U
13B-0532-C1BS	0.5 - 1.5 ft	911	355	99.5	176	6.88 U	567	567	27 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	546	504	68.4	223	14.2 EMPC-J	897	897	18.5 U
13B-0532-C1DS	2.5 - 3.73 ft	16.5 J	9.62 U	10.4 U	6.9 U	5.13 U	7.16 U	7.16 U	12.5 U
13B-0533-C2AS	0 - 0.5 ft	34100 J	9080 J	3420 J	4800 J	298 J	11800 J	11800 J	379 J
13B-0533-C2AT	0 - 0.5 ft	30700 J	8790 J	3450 J	3880 J	311 J	9840 J	9840 J	353 J
13B-0533-C2BS	0.5 - 1.5 ft	205000 J	61500 J	24000 J	24600 J	1700 J	58100 J	58100 J	1250 J
13B-0533-C2CS	1.5 - 2.5 ft	71000 J	23300 J	8600 J	9590 J	656 J	25900 J	25900 J	652 J
13B-0533-C2JS	8.5 - 9.62 ft	26100	26200	4420	13800	770	94300	94300	70.2
13B-0533-C2JT	8.5 - 9.62 ft	26100	25200	4410	13900	803	96200	96200	58.6 EMPC-J
13B-0534-C2AS	0 - 0.5 ft	112000 J	34700 J	13000 J	14400 J	881 J	36700 J	36700 J	1330 J
13B-0534-C2AT	0 - 0.5 ft	104000 J	30200 J	11400 J	11300 J	646 J	28600 J	28600 J	1270 J
13B-0534-C2BS	0.5 - 1.5 ft	62700	22100	7560	9410	509	26900	26900	671
13B-0534-C2CS	1.5 - 2.5 ft	58900	41000	10900	17300	1090	54200	54200	358
13B-0534-C2IS	7.5 - 8.59 ft	25600	26100	4140	15000	568	100000	100000	86.8
13B-0535-C2AS	0 - 0.5 ft	27200 J	8200 J	2990 J	4160 J	289 J	11400 J	11400 J	321 J
13B-0535-C2BS	0.5 - 1.5 ft	1040	623	136	429	34.2 J	2040	2040	23.7 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	49.5 EMPC-J	11.1 U	11.9 U	11.4 J	5.99 U	33.5 J	33.5 J	11.1 U
13B-0536-C1AS	0 - 0.5 ft	16900 J	9540 J	2660 J	4510 J	279 J	21000 J	21000 J	194 J
13B-0536-C1BS	0.5 - 1.5 ft	692	634	122	274	20.6 J	1470	1470	17.7 U
13B-0536-C1CS	1.5 - 2.5 ft	176	156	27.4 EMPC-J	55.3	5.38 J	207	207	68.9
13B-0536-C1FS	4.28 - 5.28 ft	24.2 U	12.9 U	11.2 U	6.55 J	4.47 U	16.4 J	16.4 J	156
13B-0537-C3AS	0 - 0.5 ft	4390	1220	456	541	42.8	1450	1450	85
13B-0538-C3AS	0 - 0.5 ft	208000 J	59000 J	21500 J	27800 J	1580 J	63800 J	63800 J	5010 J
13B-0538-C3BS	0.5 - 1.5 ft	223000 J	63300 J	22300 J	27900 J	1560 J	66300 J	66300 J	1800 J
13B-0538-C3CS	1.5 - 2.5 ft	142000 J	39500 J	14500 J	17000 J	1060 J	40900 J	40900 J	3030 J
13B-0538-C3ES	3.5 - 4.8 ft	21.1 U	15.3 U	16 U	13 U	8.81 U	13.4 U	13.4 U	24.6 J
13B-0539-C3AS	0 - 0.5 ft	46600	14400	5530	6810	643	17600	17600	652 J
13B-0539-C3AT	0 - 0.5 ft	58500	18000	6950	8470	605	20800	20800	1190 J
13B-0539-C3BS	0.5 - 1.5 ft	50500	36300	9580	16500	1110	83000	83000	652
13B-0539-C3CS	1.5 - 2.5 ft	81000	64700	16300	34000	2330	152000	152000	408
13B-0539-C3HS	6.5 - 7.59 ft	24.2 J	30 U	35.2 U	12.9 U	9.83 U	37.4 EMPC-J	37.4 EMPC-J	5.28 U
13B-0540-C4AS	0 - 0.5 ft	23200 J	7210 J	2630 J	3010 J	181 J	7990 J	7990 J	275 J
13B-0540-C4BS	0.5 - 1.5 ft	33300 J	9040 J	3360 J	4460 J	283 J	11200 J	11200 J	739 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	179000 J	50200 J	19100 J	21800 J	1310 J	50400 J	50400 J	2110 J
13B-0540-C4LS	10.3 - 11.25 ft	23.9 J	20.8 U	22.6 U	14.2 U	10.6 U	14.5 U	14.5 U	6.79 U
13B-0541-C1AS	0 - 0.5 ft	27200 J	7980 J	3020 J	3730 J	196 J	9330 J	9330 J	437 J
13B-0541-C1BS	0.5 - 1.5 ft	23900	7140	2580	3410	199	8120	8120	710
13B-0541-C1CS	1.5 - 2.5 ft	7400	2590	852	1150	72.5	3100	3100	52
13B-0541-C1FS	4.5 - 5.67 ft	17.1 EMPC-J	11.2 U	12 U	8.54 U	5.62 U	8.93 U	8.93 U	9.91 U
13B-0542-C2AS	0 - 0.5 ft	3360	4110	560	2920	127 EMPC-J	20500	20500	168
13B-0542-C2BS	0.5 - 1.5 ft	14.9 J	9.18 U	9.83 U	6.64 U	4.6 U	18.8 J	18.8 J	100
13B-0542-C2CS	1.5 - 2.5 ft	7.96 U	19.7 U	21.1 U	11.7 U	8.13 U	12.3 U	12.3 U	135
13B-0542-C2HS	6.5 - 7.55 ft	5.75 U	8.62 U	9.23 U	7.42 U	5.13 U	7.79 U	7.79 U	9.97 U
13B-0543-G1AS	0 - 0.5 ft	15200 J	4930 J	1890 J	1970 J	122 J	5700 J	5700 J	166 J
13B-0544-C2AS	0 - 0.5 ft	15000 J	4330 J	1640 J	1880 J	128 J	4900 J	4900 J	386 J
13B-0544-C2BS	0.5 - 1.5 ft	21600	6180	2300	2680	174	7110	7110	426
13B-0544-C2CS	1.5 - 2.5 ft	38500	15000	4780	5150	338	13700	13700	987
13B-0544-C2ES	3 - 3.97 ft	19700	10900	2660	5140	296	19800	19800	254
13B-0546-G2AS	0 - 0.5 ft	1390	311	121	189	12.6 EMPC-J	508	508	69.6
13B-0547-C2AS	0 - 0.5 ft	157000 J	45400 J	17100 J	21800 J	1410 J	57100 J	57100 J	898 J
13B-0547-C2BS	0.5 - 1.5 ft	81700 J	29800 J	9790 J	15200 J	1030 J	55000 J	55000 J	650 J
13B-0547-C2CS	1.5 - 2.05 ft	18600	19800	3190	10400	433	57300	57300	84.8
13B-0547-C2HS	6.5 - 7.15 ft	19.6	9.4 J	8.96 U	6.36 U	4.5 U	10.6 EMPC-J	10.6 EMPC-J	3.83 U
13B-0548-C1AS	0 - 0.5 ft	9630	2780	1030	1230	76.5	3500	3500	229
13B-0548-C1BS	0.5 - 1.5 ft	10800	2920	1090	1400	69.1	3840	3840	169
13B-0548-C1BT	0.5 - 1.5 ft	10300	2900	1120	1300	79.4	3520	3520	199
13B-0548-C1CS	1.5 - 2.5 ft	26900	10100	3180	4420	234	13400	13400	607
13B-0548-C1IS	7.5 - 8.79 ft	8.95 U	10.6 U	11.6 U	7.42 U	4.89 U	7.69 U	7.69 U	10.4 U
13B-0549-C3AS	0 - 0.5 ft	15600	5420	2180	2420	144	5470	5470	253
13B-0549-C3BS	0.5 - 1.5 ft	26.1 U	22.8 U	24.5 U	14.8 U	10.2 U	15.3 U	15.3 U	48.9
13B-0549-C3CS	1.5 - 2.65 ft	8.39 U	16.8 U	18.1 U	8.92 U	6.12 U	9.23 U	9.23 U	78.9
13B-0550-C3AS	0 - 0.5 ft	12500 J	3380 J	1280 J	1610 J	112 J	4290 J	4290 J	187 J
13B-0550-C3BS	0.5 - 1.5 ft	3080	848	306	412	23.8 EMPC-J	1080	1080	92.3
13B-0550-C3CS	1.5 - 2.5 ft	12.5 U	6.41 U	6.91 U	4.72 U	3.17 U	4.87 U	4.87 U	6.21 J
13B-0550-C3FS	4.5 - 5.37 ft	10.9 U	3.89 U	4.2 U	3.08 U	2.07 U	3.19 U	3.19 U	2.4 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	10500	3070	1100	1610	90.5	5170	5170	239
13B-0551-C2BS	0.5 - 0.88 ft	8910	2950	903	1730	108	6800	6800	96.3
13B-0552-C3AS	0 - 0.5 ft	24900 J	7340 J	2580 J	3850 J	303 J	10100 J	10100 J	331 J
13B-0552-C3BS	0.5 - 1.5 ft	63700	16400	6440	8510	471	20300	20300	1320
13B-0552-C3CS	1.5 - 2.38 ft	132000 J	32200 J	11500 J	21700 J	1290 J	51600 J	51600 J	1590
13B-0552-C3CT	1.5 - 2.38 ft	116000	31500	11700	14800	928	35600	35600	955
13B-0553-C2AS	0 - 0.5 ft	8410	3840	935	2160	122	11000	11000	142
13B-0553-C2BS	0.5 - 1.5 ft	9830	10500	1580	5030	262	19700	19700	31.3 J
13B-0553-C2CS	1.5 - 2.5 ft	53.7 U	38.5 J	20.2 J	14.6 EMPC-J	7.61 U	64.9 J	64.9 J	72.7
13B-0553-C2DS	2.5 - 3.5 ft	25.4 U	52.9 U	56 U	28.1 U	19.7 U	28.9 U	28.9 U	145
13B-0554-C1AS	0 - 0.5 ft	7510	1920	730	991	82.4	2650	2650	96.8
13B-0554-C1BS	0.5 - 1.5 ft	24100	6470	2600	3060	189	7220	7220	602
13B-0554-C1CS	1.5 - 2.5 ft	28200	6870	2740	3430	213	7650	7650	939
13B-0554-C1ES	3.5 - 4.7 ft	45.2 U	33.4 EMPC-J	28.4 U	17 U	10.9 U	58.4	58.4	11.3 U
13B-0555-C1AS	0 - 0.5 ft	257000 J	78000 J	28900 J	35100 J	2180 J	86600 J	86600 J	1730 J
13B-0555-C1BS	0.5 - 1.22 ft	62800	26000	7850	13800	1240	53000	53000	536
13B-0555-C2CS	1.5 - 2 ft	300000 J	89900 J	33000 J	39800 J	2780 J	96600 J	96600 J	2980 J
13B-0555-C2DS	2 - 3 ft	108000 J	40100 J	12600 J	20800 J	1820 J	83200 J	83200 J	675 J
13B-0556-C2AS	0 - 0.5 ft	22000 J	5850 J	2400 J	2580 J	157 J	6220 J	6220 J	536 J
13B-0556-C2BS	0.5 - 1.5 ft	36000	13400	5370	5500	342	12400	12400	569
13B-0556-C2CS	1.5 - 2.38 ft	13600	4590	1460	2800	180	8070	8070	391
13B-0557-C2AS	0 - 0.5 ft	17500 J	5070 J	2030 J	2440 J	155 J	6120 J	6120 J	681 J
13B-0557-C2BS	0.5 - 1.5 ft	17700 J	5250 J	2040 J	2580 J	160 J	6470 J	6470 J	853 J
13B-0557-C2CS	1.5 - 2.5 ft	35600	10100	4230	4840	323	12100	12100	1460
13B-0557-C2ES	3.5 - 4.5 ft	38100	16200	4670	7380	402	26100	26100	1330
13B-0558-C2AS	0 - 0.5 ft	13300 J	4310 J	1510 J	1720 J	126 J	4380 J	4380 J	549 J
13B-0558-C2BS	0.5 - 1.5 ft	30600	30200	4850	12600	580	53500	53500	295
13B-0558-C2CS	1.5 - 2.5 ft	4360	4240	641	1480	47.1 EMPC-J	6630	6630	40.6
13B-0558-C2FS	4.5 - 5.75 ft	20.2 EMPC-J	22.3 U	23.4 U	11.9 U	8.28 U	12.5 U	12.5 U	8 EMPC-J
13B-0559-C3AS	0 - 0.5 ft	11700	3770	1480	1710	129	3870	3870	260
13B-0559-C3BS	0.5 - 1.5 ft	20900 J	5800 J	2240 J	2550 J	141 J	6370 J	6370 J	762 J
13B-0559-C3CS	1.5 - 2.5 ft	33700	9210	3740	4090	304	9590	9590	1560

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	46000	12400	4810	5840	412	15000	15000	1310
13B-0560-C1AS	0 - 0.5 ft	4070	1160	424	581	41.9 J	1540	1540	137
13B-0560-C1BS	0.5 - 1.5 ft	15000	4050	1570	1950	133	4710	4710	580
13B-0560-C1CS	1.5 - 2.5 ft	19600 J	5320 J	2070 J	2420 J	147 J	6270 J	6270 J	1340 J
13B-0560-C1GS	5.14 - 5.86 ft	39.2 U	35.9 U	39.4 U	20.7 U	14.6 U	21.7 U	21.7 U	13.7 U
13B-0561-C1AS	0 - 0.5 ft	114000	36000	13600	16000	1150	40700	40700	911 J
13B-0561-C1BS	0.5 - 1.5 ft	60700	19500	7220	8360	524	22000	22000	623
13B-0561-C1CS	1.5 - 2.5 ft	24400	8020	2850	3430	192	8660	8660	218 J
13B-0561-C1GS	5.5 - 6.5 ft	13.5 U	43.5 U	46.9 U	17.5 U	11.7 U	18.4 U	18.4 U	15.3 U
13B-0562-G2AS	0 - 0.5 ft	7010	1940	695	957	61.7	2570	2570	58.5 EMPC-J
13B-0563-C2AS	0 - 0.5 ft	1100	301	101	159	8.55 J	428	428	27.2 J

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PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	1490	435	159	236	16.9 J	681	681	19.3 J
13B-0563-C2BS	0.5 - 1.1 ft	653	159	64.7	81.1	5.3 J	261	261	12.9 EMPC-J
13B-0563-C2CS	1.1 - 2.5 ft	205000 J	55600 J	21100 J	26500 J	1910 J	65100 J	65100 J	5110 J
13B-0563-C2IS	7.5 - 8.28 ft	4560	2470	615	1330	82.5	6260	6260	92.8
13B-0564-G2AS	0 - 0.5 ft	33600 J	9200 J	3500 J	4350 J	257 J	11000 J	11000 J	458 J
13B-0565-G1AS	0 - 0.5 ft	5100	1410	539	715	56.2 EMPC-J	1850	1850	40 EMPC-J
13B-0566-G3AS	0 - 0.5 ft	3260	894	344	495	29.5 EMPC-J	1230	1230	34.8 EMPC-J
13B-0567-G2AS	0 - 0.5 ft	26500 J	8340 J	3090 J	3300 J	229 J	8820 J	8820 J	382 J
13B-0568-G2AS	0 - 0.5 ft	63800 J	20700 J	7590 J	9940 J	680 J	25100 J	25100 J	742 J
13B-0570-G3AS	0 - 0.5 ft	17700 J	4720 J	1830 J	2100 J	158 J	5180 J	5180 J	195 J
13B-0571-C3AS	0 - 0.5 ft	7360	2120	772	940	64.7	2670	2670	75
13B-0571-C3BS	0.5 - 1.5 ft	5860	1510	569	736	35.4 J	1940	1940	86.5
13B-0571-C3CS	1.5 - 2.5 ft	623	241	81.7	121	6.38 EMPC-J	597	597	8.53 U
13B-0571-C3MS	11 - 12 ft	14.6 U	2.38 U	2.53 U	1.72 U	1.25 U	1.79 U	1.79 U	11.7 U
13B-0572-C1AS	0 - 0.5 ft	1390	657	173	327	27 J	1170	1170	13.2 U
13B-0572-C1BS	0.5 - 1.5 ft	161	87.4 EMPC-J	75 U	41.9 EMPC-J	22.5 U	150	150	183
13B-0572-C1CS	1.5 - 2.27 ft	41.3 J	38 U	41.8 U	20.4 U	14.9 U	21.2 U	21.2 U	18.8 U
13B-0573-C2AS	0 - 0.5 ft	5100	1430	506	730	50.6	2620	2620	125
13B-0573-C2BS	0.5 - 1.5 ft	2350	646	233	331	34.4 J	868	868	59.8
13B-0573-C2CS	1.5 - 2.5 ft	13600	3550	1350	1800	121	4610	4610	344
13B-0573-C2DS	2.5 - 3.75 ft	97.1	21.4 U	23.1 U	18.3 U	12.3 U	19.3 U	19.3 U	14 U
13B-0574-C2AS	0 - 0.5 ft	19100	5310	2110	2430	206	6800	6800	402
13B-0574-C2BS	0.5 - 1.5 ft	15000	3820	1620	1760	128	4810	4810	386
13B-0574-C2CS	1.5 - 2.5 ft	33200	12300	3980	5550	300	17800	17800	434
13B-0574-C2HS	6.4 - 7.4 ft	44200	13200	5190	5590	413	13900	13900	509
13B-0575-C4AS	0 - 0.5 ft	131000 J	32400 J	12700 J	15500 J	1010 J	34600 J	34600 J	1500 J
13B-0575-C4BS	0.5 - 1.5 ft	62800	18900	7050	7750	557	19200	19200	1130
13B-0575-C4CS	1.5 - 2.5 ft	41.1 U	53.5 U	56.8 U	19.2 U	14.3 U	19.6 U	19.6 U	9.85 U
13B-0575-C4FS	4.3 - 5.44 ft	9.31 U	18.2 U	19.3 U	8.1 U	6.04 U	8.29 U	8.29 U	6.99 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.4	9.4	6.78	6.55	5.3	10.6	10.6	6.21
	Maximum Detect	300000	89900	33000	39800	2780	152000	152000	5110
	Mean of Detects	38000	12900	4720	6010	409	17100	17100	637
	St. Dev. of Detects	58400	17800	6530	8110	532	24700	24700	888
	CV of Detects	1.54	1.38	1.38	1.35	1.30	1.45	1.45	1.39
	% Detected	89.5	85.3	81.5	84.9	78.2	88.2	88.2	83.6
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	9250 J	2940 J	1050 J	1230 J	71 EMPC-J	3540 J	3540 J	88.6 J
13B-0578-C5AS	0 - 0.5 ft	2100	1200	262	740	50.5	3560	3560	20 EMPC-J
13B-0578-C5BS	0.5 - 1.5 ft	8000	7380	1270	4670	198	28500	28500	34.3 EMPC-J
13B-0578-C5CS	1.5 - 2.5 ft	19900	20300	3390	12000	502	48400	48400	44.2 EMPC-J
13B-0578-C5CT	1.5 - 2.5 ft	22100	21300	3470	10800	613	43200	43200	55.2
13B-0578-C5GS	5.25 - 6.25 ft	59.1 J	45.3 J	23.1 U	17.9 EMPC-J	6.13 U	86.6 J	86.6 J	8.04 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	5380	822	951	1380	4780	5.71 U	354	2210
13B-0501-C1BS	0.5 - 1.5 ft	9300	118	140	248	566	3.1 U	39.1 J	521
13B-0501-C1CS	1.5 - 2.5 ft	22100	387	508	929	2120	5.43 U	136	2090
13B-0501-C1DS	2.5 - 3.07 ft	979	152	230	608	999	5.97 U	36.3 J	1420
13B-0502-C2AS	0 - 0.5 ft	8870	204	190	433	1060	11.2 U	63.8	1180
13B-0502-C2BS	0.5 - 1.5 ft	62500	768	752	1330	3900	12.9 U	255	2350
13B-0502-C2CS	1.5 - 2.45 ft	337000 J	4170	3960	7290	18900	23.4 U	1380	15800
13B-0503-C1AS	0 - 0.5 ft	1750	47 EMPC-J	66.2	134	295	13.5 U	16 U	357
13B-0503-C1BS	0.5 - 1.5 ft	21 U	9 U	8.16 U	8.22 U	11 U	8.72 U	13.8 U	23.3 U
13B-0503-C1CS	1.5 - 2.5 ft	20.9 U	14.4 U	13.1 U	13.2 U	17.7 U	14 U	23.3 U	25.3 U
13B-0503-C1DS	2.5 - 2.5 ft	21.6 U	11.9 U	10.8 U	10.8 U	14.5 U	11.5 U	14.2 U	23.3 U
13B-0504-C4AS	0 - 0.5 ft	74300 J	3300 J	3790 J	7480 J	18000 J	10.6 UJ	1140 J	21500 J
13B-0504-C4BS	0.5 - 1.5 ft	33200 J	3630 J	4190 J	8800 J	20500 J	18.6 UJ	1180 J	27000 J
13B-0504-C4CS	1.5 - 2.5 ft	10600	1570	1850	4470	8920	9.61 U	481	15200
13B-0504-C4KS	9.5 - 10.25 ft	444	65.3	95.1	242	494	5.61 U	9.86 U	765
13B-0505-C1AS	0 - 0.5 ft	35500 J	790 J	879 J	1730 J	4230 J	9.61 UJ	295 J	4290 J
13B-0505-C1BS	0.5 - 1.5 ft	15000	280	239	457	1270	13.6 U	99.5	1140
13B-0505-C1CS	1.5 - 2.5 ft	160000	1760	1820	3230	8620	17.2 U	758	6810
13B-0505-C1FS	4.5 - 5.2 ft	113	23.1 U	20.8 U	22 U	67.6	22.3 U	37.1 U	69.9
13B-0506-C2AS	0 - 0.5 ft	11300	522	655	1610	3330	3.1 U	173	4500
13B-0506-C2BS	0.5 - 1.5 ft	1390	244	452	1460	2270	6.35 EMPC-J	70.2	4270
13B-0506-C2CS	1.5 - 2.5 ft	120	19.7 J	32.1 J	102	166	3.76 U	3.73 U	318
13B-0507-C2AS	0 - 0.5 ft	267	5.42 U	5.55 U	25.2 J	61.2	5.9 U	5.64 U	88.4
13B-0507-C2BS	0.5 - 1.5 ft	11.1 J	5.06 U	5.18 U	5.49 U	6.26 U	5.51 U	5.15 U	8.93 U
13B-0507-C2CS	1.5 - 2.5 ft	2.72 U	4.24 U	4.34 U	4.6 U	5.25 U	4.62 U	3.84 U	8 U
13B-0507-C2DS	2.5 - 3.5 ft	3.62 U	6.34 U	6.5 U	6.88 U	7.85 U	6.91 U	6.14 U	9.08 U
13B-0508-G3AS	0 - 0.5 ft	472	47.7	12.8 U	25.9	60	13.5 U	26.4 U	81.3
13B-0509-C1AS	0 - 0.5 ft	313000 J	2270	2320	3950	11500	6.37 U	963	9720
13B-0509-C1BS	0.5 - 1.5 ft	16400	177	276	581	1410	12.4 U	59	1900
13B-0509-C1CS	1.5 - 2.5 ft	121	12.4 U	16.5 EMPC-J	28.7	64.4	13.1 U	36.5 U	121
13B-0509-C1ES	3.17 - 4.17 ft	102	19.8 U	19.5 U	21.1 U	26.5 U	20.9 U	54.7 U	40 U
13B-0510-C3AS	0 - 0.5 ft	51700	802	934	1800	4120	7.54 J	270	4220

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	3430	53.5	70.6	155	284	2.78 U	17.6 J	489
13B-0511-C3AS	0 - 0.5 ft	40300 J	986 J	1100 J	2210 J	5030 J	6.87 UJ	381 J	5830 J
13B-0511-C3BS	0.5 - 1.5 ft	38600	990	995	1920	4490	4.51 U	338	4710
13B-0511-C3CS	1.5 - 2.5 ft	199000	2050	1940	3450	9160	6.45 U	693	8270
13B-0511-C3HS	5.95 - 6.95 ft	103000	1650	2090	5810	10600	22.7 EMPC-J	532	19700
13B-0512-G1AS	0 - 0.5 ft	27400 J	646 J	751 J	1470 J	3430 J	7.86 J	253 J	3700 J
13B-0513-G1AS	0 - 0.5 ft	286000 J	2430 J	2420 J	4500 J	12000 J	13.3 UJ	934 J	11600 J
13B-0514-G1AS	0 - 0.5 ft	38900 J	719 J	842 J	1740 J	3950 J	8.49 J	283 J	4480 J
13B-0515-C1AS	0 - 0.5 ft	8180	177	205	407	1090	4.61 U	61.4	1090
13B-0515-C1BS	0.5 - 1.71 ft	57.2 J	4.42 U	4.01 U	12.8 EMPC-J	21.1 J	4.28 U	5.74 U	28.3 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	58.3 J	4.96 U	4.5 U	4.45 U	5.92 U	4.81 U	5.51 U	9.72 U
13B-0516-C2AS	0 - 0.5 ft	29900 J	718 J	798 J	1570 J	3620 J	7.8 UJ	280 J	4090 J
13B-0516-C2BS	0.5 - 1.5 ft	75500 J	1470 J	1620 J	3030 J	7160 J	5.84 EMPC-J	581 J	7900 J
13B-0516-C2CS	1.5 - 2.5 ft	254000 J	3370 J	2670 J	4680 J	12100 J	32.3 J	963 J	10400 J
13B-0516-C2LS	10.4 - 11.4 ft	195000	2830	2600	5420	11800	14.1 J	740	15000
13B-0517-G2AS	0 - 0.5 ft	1020	38.9	30.1 EMPC-J	65.7 J	200	4.91 U	10.2 U	175
13B-0518-G1AS	0 - 0.5 ft	6210	165	172	356	904	5.75 U	48.4 EMPC-J	1120
13B-0518-G1AT	0 - 0.5 ft	8880	182	202	418	1010	4.75 U	65.1	1350
13B-0519-C2AS	0 - 0.5 ft	24600 J	642 J	682 J	1310 J	3370 J	3.83 UJ	238 J	4300 J
13B-0519-C2BS	0.5 - 1.5 ft	27900	852	933	1790 J	5600	6.9 U	265	5850
13B-0519-C2CS	1.5 - 2.5 ft	415000 J	3520 J	3960 J	7180 J	18800 J	15.1 UJ	1320 J	15800 J
13B-0519-C2RS	16.1 - 17.1 ft	148	17.8 U	17.5 U	17.1 UJ	22.8 U	18.3 U	30.8 U	26.7 U
13B-0520-G1AS	0 - 0.5 ft	27800 J	608 J	719 J	1440 J	3530 J	5.82 UJ	242 J	3660 J
13B-0521-C2AS	0 - 0.5 ft	3680	449	389	518	2320	4.14 U	203	1330
13B-0521-C2BS	0.5 - 1.5 ft	2120	51.7	52 EMPC-J	143	353	3.42 U	20.8 J	399
13B-0521-C2CS	1.5 - 2.5 ft	4500	144	141	316	702	4.78 U	48.3 J	727
13B-0521-C2HS	6.5 - 7.63 ft	1020000 J	9380 J	8910 J	15400 J	43300 J	16.4 UJ	3320 J	34200 J
13B-0522-G1AS	0 - 0.5 ft	40100 J	1010 J	1250 J	2540 J	5560 J	6.41 UJ	386 J	6220 J
13B-0522-G1AT	0 - 0.5 ft	39800 J	798 J	985 J	2130 J	4780 J	11.7 UJ	345 J	5880 J
13B-0523-G2AS	0 - 0.5 ft	40600 J	870 J	1050 J	2110 J	5320 J	9.49 J	385 J	5580 J
13B-0524-C1AS	0 - 0.5 ft	28000 J	719 J	832 J	1680 J	3690 J	18.6 UJ	294 J	4200 J
13B-0524-C1BS	0.5 - 1.5 ft	39200	941	1070	2150	4850	14.3 U	374	5970

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	70400	1260	1400	2750	6500	18.5 U	522	6980
13B-0524-C1GS	5.39 - 6.39 ft	246000	2250	2530	4500	11600	25.4 EMPC-J	935	9860
13B-0525-C1AS	0 - 0.5 ft	36800 J	961 J	984 J	2100 J	4720 J	17.1 UJ	332 J	5360 J
13B-0525-C1BS	0.5 - 1.5 ft	43900 J	1370 J	1240 J	2490 J	6090 J	7.16 UJ	448 J	6340 J
13B-0525-C1CS	1.5 - 2.5 ft	69900 J	1760 J	1790 J	3470 J	9640 J	8.62 EMPC-J	673 J	7700 J
13B-0525-C1HS	6.42 - 7.42 ft	199000	1900	1770	3220	7790	22.7 J	575	7360
13B-0526-C1AS	0 - 0.5 ft	427000 J	3880 J	4790 J	7750 J	19500 J	22.3 UJ	1440 J	19200 J
13B-0526-C1BS	0.5 - 1.5 ft	900000 J	9650 J	11000 J	17400 J	47900 J	36.2 UJ	3510 J	40000 J
13B-0526-C1CS	1.5 - 2.5 ft	1210000 J	8730 J	10700 J	16900 J	45900 J	34.6 UJ	3180 J	35900 J
13B-0526-C1CT	1.5 - 2.5 ft	1270000 J	8170 J	9910 J	15600 J	42600 J	16.1 UJ	3290 J	34200 J
13B-0526-C1HS	6.5 - 7.62 ft	59100	611	802	1590	3170	14.7 U	224	4370
13B-0527-C2AS	0 - 0.5 ft	2550	61.6	68.3	131	369	4.63 U	19.7 J	389
13B-0527-C2BS	0.5 - 1.5 ft	48.2 J	3.5 U	3.47 U	3.59 U	19.7 J	3.63 U	4.72 U	9.61 J
13B-0527-C2CS	1.5 - 2.6 ft	13.8 EMPC-J	4.1 U	4.06 U	4.2 U	5.21 U	4.25 U	4.76 U	7.78 U
13B-0528-C3AS	0 - 0.5 ft	91400 J	1280 J	1530 J	2780 J	7160 J	5.22 UJ	508 J	7400 J
13B-0528-C3BS	0.5 - 1.5 ft	1250000 J	8760 J	9810 J	15700 J	45800 J	24.5 UJ	3360 J	36400 J
13B-0528-C3CS	1.5 - 2.5 ft	128000 J	3600 J	4050 J	7790 J	21200 J	26.2 UJ	1120 J	26100 J
13B-0528-C3LS	10.5 - 11.54 ft	451	1860	2750	7190	15000	19.9 U	357	20900
13B-0529-C2AS	0 - 0.5 ft	11300	136	144	371	853	7.81 U	34.1 EMPC-J	1050
13B-0529-C2BS	0.5 - 1.5 ft	975	19.1	22.7	52.6	103	4.48 U	5.22 U	158
13B-0529-C2CS	1.5 - 2.5 ft	202	20.3 EMPC-J	74.1	327	375	7.35 U	10.7 EMPC-J	1130
13B-0529-C2ES	3.5 - 4.2 ft	8.2 J	8.63 U	20.9	105	95.1	9.07 U	7.21 U	246
13B-0530-C1AS	0 - 0.5 ft	8020	113	114	252	633	9.35 U	35.2 EMPC-J	817
13B-0530-C1BS	0.5 - 1.5 ft	128000	1240	1290	2150	6110	11.2 U	459	5620
13B-0530-C1CS	1.5 - 1.8 ft	25400	196	176	333 EMPC-J	920	13.2 U	58.9	900
13B-0531-C2AS	0 - 0.5 ft	3550	135	137 EMPC-J	349	909 J	3.1 U	55.2	4830 J
13B-0531-C2AT	0 - 0.5 ft	3210	60.3	63.3	175	348 J	3.7 U	15.4 EMPC-J	792 J
13B-0531-C2BS	0.5 - 1.5 ft	5520 J	46.7 J	43.7 J	98.5	230	2.42 U	4.16 U	192
13B-0531-C2CS	1.5 - 2.5 ft	56.6 U	20.9 EMPC-J	65	335	336	2.94 U	5.65 U	965
13B-0531-C2ES	3.5 - 4.42 ft	8.94 U	3.25 U	2.99 U	7.6 J	8.34 J	3.18 U	5.22 U	23 J
13B-0532-C1AS	0 - 0.5 ft	6660	78.4	114	236	555	4.17 U	34.3 J	594
13B-0532-C1BS	0.5 - 1.5 ft	1450	46.9 EMPC-J	58.1	125	352	7.15 U	9.03 U	397

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	236	65.6	90.5	208	595	4.42 U	7.23 U	759
13B-0532-C1DS	2.5 - 3.73 ft	10.8 J	5.14 U	5.05 U	5.39 U	6.64 U	5.32 U	8.38 U	11.8 U
13B-0533-C2AS	0 - 0.5 ft	72500 J	1280 J	1390 J	2800 J	7210 J	7.68 UJ	461 J	6970 J
13B-0533-C2AT	0 - 0.5 ft	56900 J	1020 J	1210 J	2510 J	5850 J	5.96 UJ	427 J	6610 J
13B-0533-C2BS	0.5 - 1.5 ft	1100000 J	6900 J	7590 J	13500 J	33300 J	10.9 UJ	2700 J	31200 J
13B-0533-C2CS	1.5 - 2.5 ft	130000 J	2810 J	3290 J	6780 J	15000 J	13.2 EMPC-J	993 J	19800 J
13B-0533-C2JS	8.5 - 9.62 ft	4250	2580	7380	55200	39300	88.4 EMPC-J	1350	203000 J
13B-0533-C2JT	8.5 - 9.62 ft	3820	2610	7480	55800	43900	103	1320	200000 J
13B-0534-C2AS	0 - 0.5 ft	569000 J	3980 J	4520 J	7910 J	20300 J	17.9 UJ	1490 J	18800 J
13B-0534-C2AT	0 - 0.5 ft	547000 J	3190 J	3740 J	6700 J	15800 J	19.3 UJ	1290 J	16800 J
13B-0534-C2BS	0.5 - 1.5 ft	185000	2740	3150	7200	15300	25.2 U	875	21700
13B-0534-C2CS	1.5 - 2.5 ft	2910	5380	6880	16800	34200	54.1	1380	61200
13B-0534-C2IS	7.5 - 8.59 ft	1020	3070	7350	53100	53500	130	1440	183000
13B-0535-C2AS	0 - 0.5 ft	43900 J	1210 J	1350 J	3990 J	6950 J	10.4 UJ	411 J	13800 J
13B-0535-C2BS	0.5 - 1.5 ft	950	120	211	914	1090	15.6 U	37.6 U	3600
13B-0535-C2CS	1.5 - 2.45 ft	88.4 J	6.8 U	6.37 U	6.82 U	15.6 J	6.66 U	9.67 U	35.6 J
13B-0536-C1AS	0 - 0.5 ft	21100 J	956 J	1820 J	10000 J	10800 J	33.7 J	510 J	35100 J
13B-0536-C1BS	0.5 - 1.5 ft	622	79.5	142	628	768	3.88 U	21.6 J	2210
13B-0536-C1CS	1.5 - 2.5 ft	215	20 J	25.6 J	56.8	130	4.03 U	9.02 U	204
13B-0536-C1FS	4.28 - 5.28 ft	68.9 J	4.54 U	4.5 U	4.86 U	5.58 EMPC-J	4.72 U	8.01 U	30 J
13B-0537-C3AS	0 - 0.5 ft	10900	155	176	380	824	6.61 U	58.4	991
13B-0538-C3AS	0 - 0.5 ft	1200000 J	6890 J	7260 J	13200 J	38800 J	21.2 J	2480 J	31100 J
13B-0538-C3BS	0.5 - 1.5 ft	1150000 J	6810 J	7830 J	15300 J	39700 J	31.2 UJ	2650 J	38000 J
13B-0538-C3CS	1.5 - 2.5 ft	923000 J	4460 J	4850 J	9100 J	24000 J	31.1 UJ	1630 J	19200 J
13B-0538-C3ES	3.5 - 4.8 ft	208	9.66 U	9.06 U	10.1 U	12.5 U	9.6 U	13.1 U	18.4 U
13B-0539-C3AS	0 - 0.5 ft	103000	1630	2080	4300	10000	6.16 U	673	11800
13B-0539-C3AT	0 - 0.5 ft	146000	2130	2610	5400	12700	11.8 U	865	15100
13B-0539-C3BS	0.5 - 1.5 ft	5970	5700	8000	24800	41300	63.1 EMPC-J	1130	219000 J
13B-0539-C3CS	1.5 - 2.5 ft	4790	8550	16300	67400	85000	376	2750	268000 J
13B-0539-C3HS	6.5 - 7.59 ft	12.8 J	9.38 U	9.76 U	16.3 J	24.5 J	10.1 U	25.5 U	89.5
13B-0540-C4AS	0 - 0.5 ft	31900 J	815 J	938 J	1950 J	4670 J	8.25 UJ	315 J	5650 J
13B-0540-C4BS	0.5 - 1.5 ft	122000 J	1240 J	1270 J	2630 J	6530 J	16.4 UJ	413 J	6770 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	1020000 J	5690 J	6410 J	10900 J	31800 J	14.6 UJ	2300 J	25300 J
13B-0540-C4LS	10.3 - 11.25 ft	32.9 EMPC-J	10.6 U	10.5 U	11.2 U	13.6 U	11.1 U	18.5 U	19.2 U
13B-0541-C1AS	0 - 0.5 ft	167000 J	1180 J	1070 J	2210 J	5550 J	9.67 UJ	372 J	7030 J
13B-0541-C1BS	0.5 - 1.5 ft	251000	1020	968	1960	5030	14.6 U	341	5150
13B-0541-C1CS	1.5 - 2.5 ft	34200	330	361	700	1990	4.04 U	97 EMPC-J	2290
13B-0541-C1FS	4.5 - 5.67 ft	37.5 J	6.89 U	6.08 U	6.6 U	8.18 U	6.44 U	9.38 U	22.1 U
13B-0542-C2AS	0 - 0.5 ft	1160	478	1430	12600	9950	18.6 EMPC-J	302	37600
13B-0542-C2BS	0.5 - 1.5 ft	17.2 EMPC-J	5.22 U	4.89 U	5.23 U	6.45 U	5.11 U	7.96 U	22.3 EMPC-J
13B-0542-C2CS	1.5 - 2.5 ft	42.1 J	9.22 U	8.64 U	9.24 U	11.4 U	9.03 U	17.1 U	24.7 U
13B-0542-C2HS	6.5 - 7.55 ft	10.2 U	5.83 U	5.46 U	5.84 U	7.2 U	5.71 U	7.48 U	14.7 U
13B-0543-G1AS	0 - 0.5 ft	24600 J	564 J	657 J	1490 J	3260 J	5.28 UJ	221 J	4650 J
13B-0544-C2AS	0 - 0.5 ft	20400 J	551 J	583 J	1250 J	2810 J	5.32 UJ	201 J	3290 J
13B-0544-C2BS	0.5 - 1.5 ft	26700	791	889	1850	4100	7.48 U	277	5520
13B-0544-C2CS	1.5 - 2.5 ft	47400	1360	1490	3170	7840	12.1 U	770	10800
13B-0544-C2ES	3 - 3.97 ft	19500	1410	2220	7650	11700	35.5 EMPC-J	482	24300
13B-0546-G2AS	0 - 0.5 ft	4950	45.8	48.6	164	296	5.36 U	13.3 J	370
13B-0547-C2AS	0 - 0.5 ft	933000 J	5660 J	6300 J	13400 J	33400 J	22.7 EMPC-J	2180 J	37100 J
13B-0547-C2BS	0.5 - 1.5 ft	234000 J	3590 J	5220 J	18700 J	30700 J	63.1 J	1450 J	65000 J
13B-0547-C2CS	1.5 - 2.05 ft	2550	2330	4860	24600	30300	75.3	839	81200
13B-0547-C2HS	6.5 - 7.15 ft	12.3	4.84 U	4.5 U	4.72 U	6.11 U	4.87 U	6.06 U	9.66 U
13B-0548-C1AS	0 - 0.5 ft	20600	374	401	929	2090	5.3 U	140	2640 J
13B-0548-C1BS	0.5 - 1.5 ft	18700	399	415	935	2160	5.08 U	143	2620 J
13B-0548-C1BT	0.5 - 1.5 ft	19000	386	427	944	2020	11.1 U	142	2620
13B-0548-C1CS	1.5 - 2.5 ft	43400	1350	1500	3300	8210	7.54 U	411	9690
13B-0548-C1IS	7.5 - 8.79 ft	18.6 U	5.76 U	5.23 U	5.33 U	7.22 U	5.59 U	8.79 U	17.1 U
13B-0549-C3AS	0 - 0.5 ft	15300	675	664	1240	3350	5.77 U	263	2960 J
13B-0549-C3BS	0.5 - 1.5 ft	31.8 U	11.1 U	10.5 U	10.8 U	14.2 U	11.1 U	19 U	24.9 UJ
13B-0549-C3CS	1.5 - 2.65 ft	46.9 U	6.71 U	6.32 U	6.5 U	8.57 U	6.68 U	14 U	17.6 UJ
13B-0550-C3AS	0 - 0.5 ft	17600 J	438 J	508 J	1170 J	2540 J	5.13 UJ	160 J	3400 J
13B-0550-C3BS	0.5 - 1.5 ft	7020	123	133	309	644	2.17 U	43.8	828
13B-0550-C3CS	1.5 - 2.5 ft	12.9 J	3.43 U	3.23 U	3.57 U	4.52 U	3.44 U	5.75 U	12.4 U
13B-0550-C3FS	4.5 - 5.37 ft	5.14 U	2.24 U	2.11 U	2.33 U	2.95 U	2.25 U	3.49 U	7.32 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	35200	391	496	1610	2850	4.45 U	160	4870
13B-0551-C2BS	0.5 - 0.88 ft	34000	408	590	2550	3570	3 U	164	7610
13B-0552-C3AS	0 - 0.5 ft	43900 J	945 J	1100 J	2040 J	6160 J	6.28 UJ	338 J	5940 J
13B-0552-C3BS	0.5 - 1.5 ft	94300	2220	2280	4000	11800	16.3 U	760	9750
13B-0552-C3CS	1.5 - 2.38 ft	558000 J	5060 J	5550 J	8530 J	30800 J	71.4 UJ	1520 J	18300
13B-0552-C3CT	1.5 - 2.38 ft	505000 J	4050	4130	7200	21100	6.31 U	1400	15900
13B-0553-C2AS	0 - 0.5 ft	8750	486	842	4340	5710	12.9 U	173	14500
13B-0553-C2BS	0.5 - 1.5 ft	142	1290	2120	6170	12400	32 EMPC-J	342	20700
13B-0553-C2CS	1.5 - 2.5 ft	40.2 J	18.7 J	17.3 J	17.5 J	34.5 J	8.11 U	14.6 U	58.2 EMPC-J
13B-0553-C2DS	2.5 - 3.5 ft	43.5 U	20.7 U	19.8 U	20.8 U	27.3 U	21 U	48.4 U	39 U
13B-0554-C1AS	0 - 0.5 ft	11700	253	283	717	1480	3.74 U	104	3610 J
13B-0554-C1BS	0.5 - 1.5 ft	34200	923	946	1850	4480	5.91 U	351	4790
13B-0554-C1CS	1.5 - 2.5 ft	61600	972	936	1810	4660	13.2 U	357	4240
13B-0554-C1ES	3.5 - 4.7 ft	38.9 U	13.1 U	11.6 U	26.2	26.7 EMPC-J	12.4 U	24.3 U	79.3
13B-0555-C1AS	0 - 0.5 ft	1370000 J	9540 J	10500 J	17400 J	50700 J	31.2 EMPC-J	3470 J	43400 J
13B-0555-C1BS	0.5 - 1.22 ft	469000	3220	5130	18200	29300	85.7	1180	76400
13B-0555-C2CS	1.5 - 2 ft	2040000 J	10800 J	11900 J	19000 J	57800 J	29.3 UJ	3920 J	41400 J
13B-0555-C2DS	2 - 3 ft	644000 J	4620 J	7790 J	30500 J	46200 J	140 J	1910 J	139000 J
13B-0556-C2AS	0 - 0.5 ft	25700 J	641 J	732 J	1380 J	3700 J	8.5 UJ	269 J	3250 J
13B-0556-C2BS	0.5 - 1.5 ft	30500	1380	1460	2390 J	7680	17.4 U	648 J	5740
13B-0556-C2CS	1.5 - 2.38 ft	20100	629	894	2300	4940	9.17 U	213	6350
13B-0557-C2AS	0 - 0.5 ft	40200 J	670 J	706 J	1420 J	3680 J	9.61 UJ	224 J	3670 J
13B-0557-C2BS	0.5 - 1.5 ft	37500 J	704 J	733 J	1510 J	3970 J	3.27 UJ	231 J	4280 J
13B-0557-C2CS	1.5 - 2.5 ft	136000	1320	1490	2840	6810	7.5 U	456	6190
13B-0557-C2ES	3.5 - 4.5 ft	183000	2280	2830	8650	15300	32.6 J	642	27500
13B-0558-C2AS	0 - 0.5 ft	25800 J	445 J	546 J	1040 J	2610 J	6.31 UJ	207 J	3200 J
13B-0558-C2BS	0.5 - 1.5 ft	13900	3660	5690	15900	31100	62.9	883	47800
13B-0558-C2CS	1.5 - 2.5 ft	299	464	606	1500	4200	7.01 U	95.9	6250
13B-0558-C2FS	4.5 - 5.75 ft	19.3 U	12.9	8.57 U	8.82 U	11.4 U	9.16 U	19.1 U	23.1 U
13B-0559-C3AS	0 - 0.5 ft	12000	398	435	876	2410	15.6 U	171	2020
13B-0559-C3BS	0.5 - 1.5 ft	33200 J	693 J	769 J	1590 J	3820 J	15.9 UJ	246 EMPC-J	4000 J
13B-0559-C3CS	1.5 - 2.5 ft	86600 J	1100	1160	2170	5440	13.3 U	355 EMPC-J	4650

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PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-20	PCB-200	PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	8.2	12.9	10.2	7.6	5.58	5.84	10.7	9.61
	Maximum Detect	2040000	10800	16300	67400	85000	376	3920	268000
	Mean of Detects	141000	1690	2060	5100	9900	52.3	665	15800
	St. Dev. of Detects	313000	2190	2750	9260	13800	65.2	814	35700
	CV of Detects	2.22	1.30	1.33	1.82	1.39	1.25	1.22	2.26
	% Detected	92.9	81.5	81.9	84.9	86.6	15.1	74.4	87.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	159000 J	1620	1760	3690	8470	21.6 U	517	7690
13B-0560-C1AS	0 - 0.5 ft	7250	157	188	426	947	13 U	66.2	1090
13B-0560-C1BS	0.5 - 1.5 ft	26100	562	596	1200	2780	19.8 U	204	2840
13B-0560-C1CS	1.5 - 2.5 ft	41200 J	717 J	715 J	1660 J	3700 J	17.3 UJ	292 J	4310 J
13B-0560-C1GS	5.14 - 5.86 ft	256	15.9 U	14.9 U	16 U	19.8 U	15.7 U	31.4 U	32.6 U
13B-0561-C1AS	0 - 0.5 ft	421000 J	4980	4840	8370	22900	16.6 U	1750	18900
13B-0561-C1BS	0.5 - 1.5 ft	287000	2590	2600	4850	12800	18.3 U	924	13000
13B-0561-C1CS	1.5 - 2.5 ft	254000	960	985	1880	4950	18.1 U	405	5210
13B-0561-C1GS	5.5 - 6.5 ft	49.7 J	14 U	12.7 U	13.4 U	17 U	13.3 U	39.7 U	33.2 U
13B-0562-G2AS	0 - 0.5 ft	6600	272	283	555	1390	9.63 U	88.4	1210
13B-0563-C2AS	0 - 0.5 ft	2960	38.5 J	45.4	126	246	6.31 U	15.5 U	281

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-20**	**PCB-200**	**PCB-201**	**PCB-202**	**PCB-203**	**PCB-204**	**PCB-205**	**PCB-206**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**8.2**	**12.9**	**10.2**	**7.6**	**5.58**	**5.84**	**10.7**	**9.61**
	Maximum Detect	**2040000**	**10800**	**16300**	**67400**	**85000**	**376**	**3920**	**268000**
	Mean of Detects	**141000**	**1690**	**2060**	**5100**	**9900**	**52.3**	**665**	**15800**
	St. Dev. of Detects	**313000**	**2190**	**2750**	**9260**	**13800**	**65.2**	**814**	**35700**
	CV of Detects	**2.22**	**1.30**	**1.33**	**1.82**	**1.39**	**1.25**	**1.22**	**2.26**
	% Detected	**92.9**	**81.5**	**81.9**	**84.9**	**86.6**	**15.1**	**74.4**	**87.0**
Sample ID	**Depth Interval**								
13B-0563-C2AT	0 - 0.5 ft	3800	57.8	67.4	219	355	4.24 U	15.5 EMPC-J	459
13B-0563-C2BS	0.5 - 1.1 ft	1520	21.8 J	25.1 EMPC-J	88.3	148	4.09 U	9.46 U	167
13B-0563-C2CS	1.1 - 2.5 ft	1590000 J	6870 J	7790 J	14700 J	37600 J	12.2 UJ	2780 J	43800 J
13B-0563-C2IS	7.5 - 8.28 ft	5400	353	574	2410	3380	13.4 J	119	8990
13B-0564-G2AS	0 - 0.5 ft	67300 J	1200 J	1340 J	2570 J	6450 J	12.9 UJ	488 J	7080 J
13B-0565-G1AS	0 - 0.5 ft	8030	206	215	429	1040	11.3 U	77	939
13B-0566-G3AS	0 - 0.5 ft	11100	139	116 EMPC-J	271	720	9.29 U	44.8 J	622
13B-0567-G2AS	0 - 0.5 ft	39700 J	881 J	1110 J	2090 J	5170 J	8.37 UJ	380 J	5960 J
13B-0568-G2AS	0 - 0.5 ft	261000 J	2870 J	3060 J	5870 J	14800 J	16.1 UJ	1010 J	15600 J
13B-0570-G3AS	0 - 0.5 ft	33800 J	567 J	639 J	1430 J	3100 J	2.85 UJ	241 J	4260 J
13B-0571-C3AS	0 - 0.5 ft	8060	256	297	784	1510	2.62 U	111	2540
13B-0571-C3BS	0.5 - 1.5 ft	2670	198	202	467	1130	1.41 U	80.4	1460
13B-0571-C3CS	1.5 - 2.5 ft	123	35.3 J	45.8 J	250	322	1.23 U	16.1 J	951
13B-0571-C3MS	11 - 12 ft	3.65 U	1.25 U	1.21 U	1.29 U	1.64 U	1.3 U	2.15 U	5.38 U
13B-0572-C1AS	0 - 0.5 ft	868	84.3 EMPC-J	141	343	692	11.5 U	32 U	1140
13B-0572-C1BS	0.5 - 1.5 ft	55 EMPC-J	22.5 U	22 U	39.5 J	87.6	23 U	63.5 U	142
13B-0572-C1CS	1.5 - 2.27 ft	37.7 J	14.9 U	14.6 U	15 U	19.5 U	15.3 U	35.4 U	39.2 U
13B-0573-C2AS	0 - 0.5 ft	15400	204	357	2170	1170	14.8 U	75.1	1570
13B-0573-C2BS	0.5 - 1.5 ft	6030	80.8	98.1	211	508	12.9 U	35.3 EMPC-J	492
13B-0573-C2CS	1.5 - 2.5 ft	44100	510	553	1160	2590	12.1 U	144 EMPC-J	2380
13B-0573-C2DS	2.5 - 3.75 ft	287	14.6 U	13.3 U	14 U	17.8 U	14 U	19.5 U	23 U
13B-0574-C2AS	0 - 0.5 ft	123000	740	813	1770	4020	4.73 U	240	4990
13B-0574-C2BS	0.5 - 1.5 ft	108000	575	575	1280 J	2790	4.38 U	186	3170 J
13B-0574-C2CS	1.5 - 2.5 ft	140000	2010	2060	4610	11200	4.67 U	452	15100
13B-0574-C2HS	6.4 - 7.4 ft	252000	1660	1690	2980	7990	4.24 U	592	7000
13B-0575-C4AS	0 - 0.5 ft	648000 J	4150 J	4300 J	7100 J	20600 J	24.1 UJ	1420 J	17400 J
13B-0575-C4BS	0.5 - 1.5 ft	299000	2140	2370	4110	11000	15.1 U	784	11100
13B-0575-C4CS	1.5 - 2.5 ft	429	13.9 U	13.8 U	14.9 U	18.6 U	14.7 U	42.9 U	41.9 U
13B-0575-C4FS	4.3 - 5.44 ft	63.8 U	5.86 U	5.82 U	6.28 U	7.84 U	6.19 U	14.6 U	27.4 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-20**	**PCB-200**	**PCB-201**	**PCB-202**	**PCB-203**	**PCB-204**	**PCB-205**	**PCB-206**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**8.2**	**12.9**	**10.2**	**7.6**	**5.58**	**5.84**	**10.7**	**9.61**
	Maximum Detect	**2040000**	**10800**	**16300**	**67400**	**85000**	**376**	**3920**	**268000**
	Mean of Detects	**141000**	**1690**	**2060**	**5100**	**9900**	**52.3**	**665**	**15800**
	St. Dev. of Detects	**313000**	**2190**	**2750**	**9260**	**13800**	**65.2**	**814**	**35700**
	CV of Detects	**2.22**	**1.30**	**1.33**	**1.82**	**1.39**	**1.25**	**1.22**	**2.26**
	% Detected	**92.9**	**81.5**	**81.9**	**84.9**	**86.6**	**15.1**	**74.4**	**87.0**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	6400 J	345 J	361 J	866 J	2050 J	5.82 UJ	127 J	3260 J
13B-0578-C5AS	0 - 0.5 ft	2560	164	311	1430	1990	3.13 U	68.2	4980
13B-0578-C5BS	0.5 - 1.5 ft	8070	981	2120	13300	15200	42 J	418	45000
13B-0578-C5CS	1.5 - 2.5 ft	335	2540	4110	12300	29900	83.2	726	40400
13B-0578-C5CT	1.5 - 2.5 ft	377	2740	4560	14200	27300	89.4	777	44600
13B-0578-C5GS	5.25 - 6.25 ft	42.3 J	6.25 U	10.2 EMPC-J	21.5 J	56.2 EMPC-J	6.42 U	18.1 U	91.3

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	265	587	1340	1580	6.35 U	44.7 J	726	918
13B-0501-C1BS	0.5 - 1.5 ft	58.9	202	2930	2400	5.56 U	71.1 J	1460	2020
13B-0501-C1CS	1.5 - 2.5 ft	225	720	8370	6690	12.8 J	182	2870	4630
13B-0501-C1DS	2.5 - 3.07 ft	158	611	206	148	5.37 U	5.08 J	951	1910
13B-0502-C2AS	0 - 0.5 ft	142	528	3170	2640	28.2 U	61.5	1180	1670
13B-0502-C2BS	0.5 - 1.5 ft	311	849	19400	16700	45.4 U	377	16400	17700
13B-0502-C2CS	1.5 - 2.45 ft	1830	5910	113000 J	91600 J	103	2460	55900 J	70400
13B-0503-C1AS	0 - 0.5 ft	44.1	161	481	479	26.3 U	17.2 U	188	250
13B-0503-C1BS	0.5 - 1.5 ft	16.5 U	16.7 U	20.6 U	22.5 U	19.8 U	17.5 U	19.8 U	19.8 U
13B-0503-C1CS	1.5 - 2.5 ft	18.3 U	18.5 U	20.5 U	22.4 U	19.7 U	19.9 U	19.7 U	19.8 U
13B-0503-C1DS	2.5 - 2.5 ft	17.3 U	17.6 U	21.2 U	23.2 U	20.5 U	18 U	20.5 U	20.5 U
13B-0504-C4AS	0 - 0.5 ft	2130 J	7960 J	24400 J	18200 J	82.5 J	494 J	5110 J	10400 J
13B-0504-C4BS	0.5 - 1.5 ft	2940 J	10400 J	10200 J	7950 J	115 J	408 J	1730 J	4060 J
13B-0504-C4CS	1.5 - 2.5 ft	1560	6300	3180	2680	93.2	330	656	1550
13B-0504-C4KS	9.5 - 10.25 ft	70.3	219	192	104	7.08 U	5.33 U	37.8	79.1
13B-0505-C1AS	0 - 0.5 ft	448 J	1680 J	9530 J	9430 J	34.9 UJ	213 J	6050 J	6510 J
13B-0505-C1BS	0.5 - 1.5 ft	113	381	3520	3920	31.5 U	111	4090	3260
13B-0505-C1CS	1.5 - 2.5 ft	789	2400	46900	47300	88.1	1220	44900	31300
13B-0505-C1FS	4.5 - 5.2 ft	26.5 U	29 U	46.9 J	30.7 EMPC-J	20.7 U	18.6 U	20 U	20.7 U
13B-0506-C2AS	0 - 0.5 ft	458	1990	3160	3490	9.35 U	77.4	1270	1750
13B-0506-C2BS	0.5 - 1.5 ft	413	2120	506	462	8.85 U	5.64 U	178	292
13B-0506-C2CS	1.5 - 2.5 ft	31.2 J	157	32.6 J	38.6 J	8.55 U	7.28 U	16.9 J	23.6 J
13B-0507-C2AS	0 - 0.5 ft	6.7 U	40 J	70.2 J	88.7	3.54 U	5.37 U	25.1 J	34.1 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	6.84 U	7.79 U	2.99 U	3.25 U	3.02 U	4.38 U	2.98 U	2.98 U
13B-0507-C2CS	1.5 - 2.5 ft	6.71 U	7.64 U	2.63 U	2.86 U	2.66 U	4.75 U	2.63 U	2.63 U
13B-0507-C2DS	2.5 - 3.5 ft	7.06 U	8.04 U	3.5 U	3.8 U	3.54 U	6.03 U	3.49 U	3.49 U
13B-0508-G3AS	0 - 0.5 ft	16.9 U	24 J	108	111	22.2 U	15.4 U	47.2	72.8
13B-0509-C1AS	0 - 0.5 ft	1060	2920	116000 J	98400 J	237	2650	45600 J	60600
13B-0509-C1BS	0.5 - 1.5 ft	185	520	7760	5380	11.2 U	182	1660	2850
13B-0509-C1CS	1.5 - 2.5 ft	20.1 U	28.2 EMPC-J	69.7	40.9	13 U	12.3 U	13.7 EMPC-J	34.5 EMPC-J
13B-0509-C1ES	3.17 - 4.17 ft	24.2 U	27 U	39	23.9 U	18.6 U	16.3 U	18.1 U	18.6 U
13B-0510-C3AS	0 - 0.5 ft	461	1670	16300	13100	8.53 U	123	2690	5130

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	58.4	223	1160	851	8.34 U	14 J	195	359
13B-0511-C3AS	0 - 0.5 ft	609 J	2250 J	11000 J	10900 J	21.2 J	197 J	4790 J	6810 J
13B-0511-C3BS	0.5 - 1.5 ft	501	1780	11000	10500	19.7 J	222	4460	6230
13B-0511-C3CS	1.5 - 2.5 ft	889	2840	89300	65300	179	1650	19400	32900
13B-0511-C3HS	5.95 - 6.95 ft	1940	9120	41400	24400	29.6 J	373	7980	13100
13B-0512-G1AS	0 - 0.5 ft	378 J	1390 J	7110 J	7350 J	12.1 J	150 J	3380 J	4860 J
13B-0513-G1AS	0 - 0.5 ft	1150 J	4010 J	141000 J	96800 J	247 J	3010 J	21000 J	45700 J
13B-0514-G1AS	0 - 0.5 ft	454 J	1670 J	11000 J	10500 J	19.4 J	237 J	5790 J	6730 J
13B-0515-C1AS	0 - 0.5 ft	120	425	2440	2110	10.2 U	46.9 J	773	1150
13B-0515-C1BS	0.5 - 1.71 ft	6.31 U	19.3 J	17.2 J	16 J	6.3 U	8.47 U	6.39 U	6.29 U
13B-0515-C2CS	1.5 - 2.19 ft	7.2 U	7.91 U	28.1 J	19.1 EMPC-J	7.81 U	12 U	7.92 U	11.4 J
13B-0516-C2AS	0 - 0.5 ft	424 J	1560 J	8640 J	7920 J	13.4 J	166 J	3470 J	4740 J
13B-0516-C2BS	0.5 - 1.5 ft	771 J	2840 J	18900 J	17500 J	20.5 J	348 J	16600 J	13800 J
13B-0516-C2CS	1.5 - 2.5 ft	1160 J	3630 J	73000 J	71300 J	235 J	2180 J	69100 J	48800 J
13B-0516-C2LS	10.4 - 11.4 ft	1660	6160	93400	56500	168	1480	16300	32900
13B-0517-G2AS	0 - 0.5 ft	19.2 J	71	223	229	6.73 U	6.21 U	96.7	140
13B-0518-G1AS	0 - 0.5 ft	108	439	1700	1670	10.7 U	31.7 J	689	959
13B-0518-G1AT	0 - 0.5 ft	135	496	2470	2280	10.4 U	53.6	1050	1460
13B-0519-C2AS	0 - 0.5 ft	393 J	1480 J	7430 J	6740 J	12.2 UJ	141 J	3190 J	4190 J
13B-0519-C2BS	0.5 - 1.5 ft	625	1770	7240	7250	9.73 U	7.37 U	6290	5020
13B-0519-C2CS	1.5 - 2.5 ft	1820 J	5320 J	168000 J	133000 J	380 J	4700 J	70200 J	73100 J
13B-0519-C2RS	16.1 - 17.1 ft	18 U	19.3 U	73.2 J	58	8.7 U	9.87 U	8.59 U	16.7 J
13B-0520-G1AS	0 - 0.5 ft	383 J	1230 J	7980 J	7010 J	18.7 UJ	147 J	3030 J	4430 J
13B-0521-C2AS	0 - 0.5 ft	158	326	957	928	15 U	19.4 EMPC-J	514	695
13B-0521-C2BS	0.5 - 1.5 ft	36.3 J	146	543	555	12.2 U	10.6 U	309	405
13B-0521-C2CS	1.5 - 2.5 ft	75.8	299	1210	1220	16.2 U	33 EMPC-J	538	790
13B-0521-C2HS	6.5 - 7.63 ft	3870 J	10500 J	500000 J	342000 J	1160 J	12400 J	74300 J	161000 J
13B-0522-G1AS	0 - 0.5 ft	627 J	2030 J	10900 J	9850 J	18.1 EMPC-J	214 J	4620 J	6510 J
13B-0522-G1AT	0 - 0.5 ft	597 J	1950 J	10700 J	9940 J	28.3 UJ	185 J	4530 J	6360 J
13B-0523-G2AS	0 - 0.5 ft	614 J	2180 J	10900 J	10700 J	22.8 EMPC-J	206 J	4460 J	6790 J
13B-0524-C1AS	0 - 0.5 ft	457 J	1510 J	7590 J	7360 J	13.1 EMPC-J	150 J	3030 J	4480 J
13B-0524-C1BS	0.5 - 1.5 ft	670	2320	10400	9940	10.8 U	203	4140	6150

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-207**	**PCB-208**	**PCB-21**	**PCB-22**	**PCB-23**	**PCB-24**	**PCB-25**	**PCB-26**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**10.5**	**9.54**	**9.43**	**9.91**	**5.51**	**5.08**	**10.8**	**11.4**
	Maximum Detect	**28700**	**149000**	**1050000**	**680000**	**2090**	**16100**	**155000**	**333000**
	Mean of Detects	**1510**	**6900**	**66200**	**47900**	**308**	**1560**	**15700**	**26500**
	St. Dev. of Detects	**3010**	**18100**	**160000**	**108000**	**441**	**3150**	**28300**	**54600**
	CV of Detects	**2.00**	**2.62**	**2.42**	**2.26**	**1.43**	**2.02**	**1.81**	**2.06**
	% Detected	**81.1**	**85.7**	**88.7**	**87.0**	**35.7**	**66.0**	**82.8**	**84.0**
Sample ID	**Depth Interval**								
13B-0524-C1CS	1.5 - 2.5 ft	785	2370	21400	17700	18.7 EMPC-J	9.82 U	8130	10800
13B-0524-C1GS	5.39 - 6.39 ft	1140	3200	71100	70200	231	2790	47800	49500
13B-0525-C1AS	0 - 0.5 ft	552 J	1960 J	10700 J	9800 J	23 EMPC-J	216 J	4180 J	6000 J
13B-0525-C1BS	0.5 - 1.5 ft	686 J	2210 J	12000 J	10900 J	20.6 J	286 J	4640 J	6880 J
13B-0525-C1CS	1.5 - 2.5 ft	871 J	2710 J	20600 J	17700 J	22.6 J	370 J	11200 J	12500 J
13B-0525-C1HS	6.42 - 7.42 ft	771	2430	82800	62100	204	2100	20400	34300
13B-0526-C1AS	0 - 0.5 ft	1960 J	5850 J	202000 J	137000 J	390 J	3090 J	30000 J	66800 J
13B-0526-C1BS	0.5 - 1.5 ft	4510 J	12500 J	410000 J	290000 J	778 J	6510 J	61600 J	137000 J
13B-0526-C1CS	1.5 - 2.5 ft	4210 J	11000 J	597000 J	392000 J	1230 J	10400 J	90900 J	193000 J
13B-0526-C1CT	1.5 - 2.5 ft	4130 J	10700 J	634000 J	407000 J	1280 J	11900 J	95700 J	205000 J
13B-0526-C1HS	6.5 - 7.62 ft	438	1680	23800	15500	24 U	445	4450	8460
13B-0527-C2AS	0 - 0.5 ft	41 J	145	738	675	11 U	6.24 U	258	394
13B-0527-C2BS	0.5 - 1.5 ft	5.31 U	5.85 U	14.8 J	11.8 J	7.05 U	5.94 U	7.05 U	7 U
13B-0527-C2CS	1.5 - 2.6 ft	5.22 U	5.76 U	5.68 U	6.16 U	5.74 U	6.46 U	5.74 U	5.69 U
13B-0528-C3AS	0 - 0.5 ft	780 J	2730 J	33500 J	26100 J	65 J	521 J	10200 J	14200 J
13B-0528-C3BS	0.5 - 1.5 ft	4390 J	11400 J	586000 J	402000 J	1220 J	11.1 UJ	89700 J	197000 J
13B-0528-C3CS	1.5 - 2.5 ft	2930 J	10300 J	48200 J	35700 J	155 J	12.4 UJ	9660 J	20600 J
13B-0528-C3LS	10.5 - 11.54 ft	2080	7440	184	93.6	16 U	9.51 U	191	412
13B-0529-C2AS	0 - 0.5 ft	103	372	2810	3000	12 U	115	1410	2080
13B-0529-C2BS	0.5 - 1.5 ft	13.5	68.2	251	270	5.48 U	9.99	123	168
13B-0529-C2CS	1.5 - 2.5 ft	84.5	537	66	62.8	4.84 U	6 U	21.2	36.4
13B-0529-C2ES	3.5 - 4.2 ft	7.13 U	127	6.81 U	7.47 U	6.86 U	10.3 U	6.83 U	6.85 U
13B-0530-C1AS	0 - 0.5 ft	77.3	310	1860	2190	23.5 U	56	1300	1500
13B-0530-C1BS	0.5 - 1.5 ft	570	1890	27600	30600	66.9 U	958	32900	28900
13B-0530-C1CS	1.5 - 1.8 ft	110	391	6100	6360	37.4 U	347	8830	6030
13B-0531-C2AS	0 - 0.5 ft	321	1720 J	842	922	6.42 U	25.5 J	566	757
13B-0531-C2AT	0 - 0.5 ft	69.5	323 J	822	791	7.11 U	20.3 J	427	570
13B-0531-C2BS	0.5 - 1.5 ft	21.4 J	81.3	1530 J	1310	6.5 U	19.3 J	574	731
13B-0531-C2CS	1.5 - 2.5 ft	62.8	505	24.5 U	15.7 U	5.13 U	4.53 U	4.84 U	5.02 U
13B-0531-C2ES	3.5 - 4.42 ft	8.62 U	9.54 J	4.9 U	5.31 U	5.08 U	5.17 U	4.79 U	4.97 U
13B-0532-C1AS	0 - 0.5 ft	64.5	219	1740	1640	10.3 U	40.4 J	1170	1280
13B-0532-C1BS	0.5 - 1.5 ft	36.5 J	127	325	324	12.9 U	9.24 U	338	300

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	71.2	198	92 J	46.3 J	7.7 U	6.48 U	25.1 J	48.3 J
13B-0532-C1DS	2.5 - 3.73 ft	8.02 U	9.07 U	8.18 U	8.97 U	8.42 U	7.84 U	8.2 U	8.41 U
13B-0533-C2AS	0 - 0.5 ft	712 J	2500 J	26500 J	20800 J	44.9 J	452 J	6720 J	11300 J
13B-0533-C2AT	0 - 0.5 ft	633 J	2450 J	19200 J	16200 J	36.5 J	364 J	5400 J	8800 J
13B-0533-C2BS	0.5 - 1.5 ft	3050 J	9650 J	441000 J	359000 J	1010 J	20.1 UJ	75600 J	168000 J
13B-0533-C2CS	1.5 - 2.5 ft	1900 J	7330 J	43900 J	35000 J	108 J	832 J	6850 J	14700 J
13B-0533-C2JS	8.5 - 9.62 ft	8360	104000	1870	1260	10.9 U	29.6 EMPC-J	326	634
13B-0533-C2JT	8.5 - 9.62 ft	8060	103000	1650	1110	12.9 U	30.8 J	281	561
13B-0534-C2AS	0 - 0.5 ft	2080 J	6560 J	307000 J	200000 J	573 J	5520 J	42600 J	94900 J
13B-0534-C2AT	0 - 0.5 ft	1750 J	5960 J	292000 J	193000 J	556 J	4650 J	41600 J	92400 J
13B-0534-C2BS	0.5 - 1.5 ft	2270	9130	74600	52600	128	988	11000	23800
13B-0534-C2CS	1.5 - 2.5 ft	7010	25800	1050	692	23.3 U	25.4 EMPC-J	604	942
13B-0534-C2IS	7.5 - 8.59 ft	9540	96000	430	267	9.24 U	6.67 U	73.2 EMPC-J	163
13B-0535-C2AS	0 - 0.5 ft	1250 J	6180 J	13100 J	12100 J	25.8 J	288 J	4760 J	7060 J
13B-0535-C2BS	0.5 - 1.5 ft	318	1810	282	236	16.8 U	14.8 U	172	192
13B-0535-C2CS	1.5 - 2.45 ft	14.5 U	16.1 U	23.1 J	21.6 J	13 U	12.1 U	18 EMPC-J	12.8 U
13B-0536-C1AS	0 - 0.5 ft	1950 J	17100 J	6080 J	5820 J	10.9 J	140 J	2290 J	3400 J
13B-0536-C1BS	0.5 - 1.5 ft	132	946	257	181	3.65 U	6.91 EMPC-J	48.6 J	98.9
13B-0536-C1CS	1.5 - 2.5 ft	23.3 J	57.5	136	76.9	4.94 U	7.1 EMPC-J	20.7 J	54.2 J
13B-0536-C1FS	4.28 - 5.28 ft	10.5 J	12.5 EMPC-J	19.9 J	9.91 J	6.18 U	3.94 U	5.84 U	6.06 U
13B-0537-C3AS	0 - 0.5 ft	96.3	378	2600	3110	7.71 U	64.6	2360	3430
13B-0538-C3AS	0 - 0.5 ft	3380 J	10800 J	754000 J	461000 J	1390 J	12600 J	92100 J	220000 J
13B-0538-C3BS	0.5 - 1.5 ft	4080 J	14200 J	696000 J	428000 J	1370 J	11100 J	87700 J	208000 J
13B-0538-C3CS	1.5 - 2.5 ft	2130 J	6330 J	566000 J	356000 J	1100 J	10500 J	72100 J	168000 J
13B-0538-C3ES	3.5 - 4.8 ft	11.7 U	13.3 U	126	83.8	15.3 U	13.9 U	15.2 U	39.3 J
13B-0539-C3AS	0 - 0.5 ft	1230	4880	35400	24000	42.3 J	700	6940	13100
13B-0539-C3AT	0 - 0.5 ft	1490	6170	49300	34600	16.9 U	8.83 U	9710	18800
13B-0539-C3BS	0.5 - 1.5 ft	19500	93400	2310	1300	13.6 U	14.3 U	869	1270
13B-0539-C3CS	1.5 - 2.5 ft	28700	149000	1910	1240	13.1 U	36.3 EMPC-J	427	717
13B-0539-C3HS	6.5 - 7.59 ft	15 U	41.4	5.75 U	6.29 U	5.83 U	7.01 U	5.62 U	5.85 U
13B-0540-C4AS	0 - 0.5 ft	578 J	2030 J	9460 J	8570 J	16.9 J	205 J	3520 J	5130 J
13B-0540-C4BS	0.5 - 1.5 ft	658 J	2440 J	40400 J	34500 J	72.4 J	904 J	24000 J	18900 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	2770 J	8240 J	488000 J	343000 J	1020 J	9430 J	126000 J	171000 J
13B-0540-C4LS	10.3 - 11.25 ft	12.7 U	14.2 U	15.1 EMPC-J	11.8 J	10.4 U	12.6 U	10.2 U	10.2 U
13B-0541-C1AS	0 - 0.5 ft	782 J	2660 J	68000 J	53100 J	138 J	1480 J	15000 J	27000 J
13B-0541-C1BS	0.5 - 1.5 ft	541	1880	120000	83700	241	3110	23000	41600
13B-0541-C1CS	1.5 - 2.5 ft	247	770	11300	8410	13.1 EMPC-J	137	2960	4730
13B-0541-C1FS	4.5 - 5.67 ft	14.4 U	16.2 U	13.4 U	14.5 U	13.6 U	14.7 U	13.3 U	13.4 U
13B-0542-C2AS	0 - 0.5 ft	1670	19500	495	348	14.6 U	17.1 U	119	208
13B-0542-C2BS	0.5 - 1.5 ft	9.41 U	12.7 EMPC-J	8.67 U	9.42 U	8.89 U	9.83 U	8.54 U	8.74 U
13B-0542-C2CS	1.5 - 2.5 ft	15.5 U	17.1 U	17.9 U	19.5 U	18.4 U	11 U	17.6 U	18.1 U
13B-0542-C2HS	6.5 - 7.55 ft	9.95 U	11 U	9.77 U	10.6 U	10 U	9.28 U	9.62 U	9.85 U
13B-0543-G1AS	0 - 0.5 ft	415 J	1620 J	7110 J	7190 J	14.6 J	185 J	2600 J	3780 J
13B-0544-C2AS	0 - 0.5 ft	338 J	1260 J	6410 J	5950 J	12 UJ	157 J	2030 J	3350 J
13B-0544-C2BS	0.5 - 1.5 ft	646	2410	8540	7660	14.2 U	132	2540	4220
13B-0544-C2CS	1.5 - 2.5 ft	938	3780	14100	12900	22.3 J	248	4750	7650
13B-0544-C2ES	3 - 3.97 ft	2050	11900	4060	5060	8.03 U	114	6730	3940
13B-0546-G2AS	0 - 0.5 ft	35 J	163	1160	1130	13.4 U	71.4	662	879
13B-0547-C2AS	0 - 0.5 ft	3530 J	14700 J	356000 J	283000 J	548 J	8290 J	62900 J	139000 J
13B-0547-C2BS	0.5 - 1.5 ft	5130 J	31100 J	68100 J	58300 J	71.2 UJ	1870 J	15000 J	29900 J
13B-0547-C2CS	1.5 - 2.05 ft	5300	40700	900	681	13.7 U	29 J	182	378
13B-0547-C2HS	6.5 - 7.15 ft	6.54 U	6.53 U	7.92 U	8.52 U	8.08 U	6.54 U	7.92 U	7.91 U
13B-0548-C1AS	0 - 0.5 ft	257	1020	6400	5730	9.02 U	150	3440	4620
13B-0548-C1BS	0.5 - 1.5 ft	275	1040	6260	5360	11.9 U	117	2620	3550
13B-0548-C1BT	0.5 - 1.5 ft	252	1010	5880	5260	10 U	152	2510	3420
13B-0548-C1CS	1.5 - 2.5 ft	1000	3590	7510	10600	17.2 U	236	17900	8620
13B-0548-C1IS	7.5 - 8.79 ft	10.7 U	11.1 U	12.2 U	13.2 U	12.5 U	11.5 U	12 U	12.3 U
13B-0549-C3AS	0 - 0.5 ft	358	1060	4050	3990	10.9 U	99.6	1740	2500
13B-0549-C3BS	0.5 - 1.5 ft	15.5 U	15.9 U	14.3 U	15.5 U	14.7 U	15.4 U	14.1 U	14.4 U
13B-0549-C3CS	1.5 - 2.65 ft	11.3 U	11.6 U	12 EMPC-J	10.5 U	9.98 U	9.69 U	9.62 U	9.82 U
13B-0550-C3AS	0 - 0.5 ft	295 J	1280 J	5380 J	4890 J	7.87 UJ	114 J	2030 J	2920 J
13B-0550-C3BS	0.5 - 1.5 ft	82.5	325	2140	1920	6.67 U	48.5	1300	1130
13B-0550-C3CS	1.5 - 2.5 ft	7.25 U	8.21 U	5.49 U	5.86 U	5.62 U	5.45 U	5.46 U	5.51 U
13B-0550-C3FS	4.5 - 5.37 ft	4.48 U	5.07 U	5.04 U	5.38 U	5.16 U	4.79 U	5.01 U	5.06 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	351	2210	11900	10100	18.7 U	264	3060	5330
13B-0551-C2BS	0.5 - 0.88 ft	489	3880	12400	9960	31.5 U	254	2610	4980
13B-0552-C3AS	0 - 0.5 ft	659 J	2110 J	14700 J	12500 J	28.2 EMPC-J	364 J	5170 J	7050 J
13B-0552-C3BS	0.5 - 1.5 ft	1120	3510	19500	24000	36.4 J	585	30500	18100
13B-0552-C3CS	1.5 - 2.38 ft	1990	5460	259000	186000	610	5110	44900	88000
13B-0552-C3CT	1.5 - 2.38 ft	1870	4790	236000	165000	525	7010	37600	75100
13B-0553-C2AS	0 - 0.5 ft	794	7300	2430	2230	28.7 U	64.6 J	1230	1570
13B-0553-C2BS	0.5 - 1.5 ft	2060	8720	51.7 J	35.2 J	6.62 U	7.08 U	12.3 J	26.3 J
13B-0553-C2CS	1.5 - 2.5 ft	19.2 EMPC-J	29.1 EMPC-J	39.7 J	23 U	21.4 U	11.1 U	21.2 U	30.9 EMPC-J
13B-0553-C2DS	2.5 - 3.5 ft	26.2 U	31 U	42.7 U	46.2 U	43 U	18.4 U	42.6 U	43 U
13B-0554-C1AS	0 - 0.5 ft	243	1460 J	3440	3090	8.8 U	69	1670	2260
13B-0554-C1BS	0.5 - 1.5 ft	506	1740	8460	8290	18.3	191	3610	5310
13B-0554-C1CS	1.5 - 2.5 ft	431	1460	15500	16000	43.1	462	14200	11000
13B-0554-C1ES	3.5 - 4.7 ft	15.8 U	27.5	9.43 EMPC-J	9.02 U	8.42 U	9.47 U	8.1 U	8.37 U
13B-0555-C1AS	0 - 0.5 ft	4970 J	13400 J	611000 J	434000 J	1230 J	9290 J	132000 J	216000 J
13B-0555-C1BS	0.5 - 1.22 ft	7620	34300 J	164000	131000	294	3480	44500	72200
13B-0555-C2CS	1.5 - 2 ft	4920 J	11100 J	1050000 J	680000 J	2090 J	15900 J	155000 J	333000 J
13B-0555-C2DS	2 - 3 ft	13100 J	64900 J	252000 J	189000 J	459 J	3830 J	47100 J	97200 J
13B-0556-C2AS	0 - 0.5 ft	350 J	1200 J	6680 J	6280 J	12.8 UJ	156 J	2600 J	3940 J
13B-0556-C2BS	0.5 - 1.5 ft	641	1780	8160	7140	20.6 U	137	2830	4140
13B-0556-C2CS	1.5 - 2.38 ft	599	2630	5550	5430	13.9 U	138	1860	2730
13B-0557-C2AS	0 - 0.5 ft	389 J	1390 J	13700 J	9910 J	19 J	223 J	5250 J	6860 J
13B-0557-C2BS	0.5 - 1.5 ft	457 J	1620 J	11600 J	9480 J	21.3 J	234 J	3960 J	5960 J
13B-0557-C2CS	1.5 - 2.5 ft	672	2290	34300	30300	64.6	5.88 U	41800	29700
13B-0557-C2ES	3.5 - 4.5 ft	2380	12500	86800	46300	99.5	1360	19000	35800
13B-0558-C2AS	0 - 0.5 ft	308 J	1020 J	5450 J	5960 J	19 UJ	132 J	9290 J	5880 J
13B-0558-C2BS	0.5 - 1.5 ft	4870	17700 J	2870	2830	15.4 U	56	5860	2940
13B-0558-C2CS	1.5 - 2.5 ft	513	1450 J	92.1	69.2	8.89 U	7.71 U	82.8	64.6
13B-0558-C2FS	4.5 - 5.75 ft	15 U	14.8 UJ	10.7 U	11.5 U	10.9 U	12.1 U	10.7 U	10.7 U
13B-0559-C3AS	0 - 0.5 ft	240	796	3090	2970	18.2 U	92.9	1340	1960
13B-0559-C3BS	0.5 - 1.5 ft	448 J	1460 J	8500 J	8240 J	29.4 UJ	247 J	6430 J	5640 J
13B-0559-C3CS	1.5 - 2.5 ft	575	1690	27400	25000	50.7 EMPC-J	974	16400	14700

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	962	2840	57500	44400 J	80.6	1520	20400	31800
13B-0560-C1AS	0 - 0.5 ft	111	472	1800	1880	24 U	67.1	982	1380
13B-0560-C1BS	0.5 - 1.5 ft	312	1060	6940	7070	36.2 U	208	4280	5330
13B-0560-C1CS	1.5 - 2.5 ft	482 J	1670 J	13000 J	11500 J	41.9 UJ	391 J	6710 J	8610 J
13B-0560-C1GS	5.14 - 5.86 ft	22.9 U	25.6 U	143	99.3	12.9 U	15.2 U	25.7 EMPC-J	63.6 J
13B-0561-C1AS	0 - 0.5 ft	2010	6150	140000	118000	135 U	2650	60400	90500
13B-0561-C1BS	0.5 - 1.5 ft	1450	4690	113000	85600	112	2250	27600	49600
13B-0561-C1CS	1.5 - 2.5 ft	564	2040	21800	53700	78.8 U	13.9 U	95700	147000
13B-0561-C1GS	5.5 - 6.5 ft	22.2 U	25.3 U	16 U	17.4 U	16.2 U	17.2 U	15.7 U	16.3 U
13B-0562-G2AS	0 - 0.5 ft	133	441	1570	1770	18.4 U	46.2 J	988	1370
13B-0563-C2AS	0 - 0.5 ft	25.1 J	129	1010	878	10.9 U	27.8 J	398	573

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24	PCB-25	PCB-26
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	10.5	9.54	9.43	9.91	5.51	5.08	10.8	11.4
	Maximum Detect	28700	149000	1050000	680000	2090	16100	155000	333000
	Mean of Detects	1510	6900	66200	47900	308	1560	15700	26500
	St. Dev. of Detects	3010	18100	160000	108000	441	3150	28300	54600
	CV of Detects	2.00	2.62	2.42	2.26	1.43	2.02	1.81	2.06
	% Detected	81.1	85.7	88.7	87.0	35.7	66.0	82.8	84.0
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	37.6	220	1210	1070	9.05 U	29.1 J	543	848
13B-0563-C2BS	0.5 - 1.1 ft	14.7 J	73.9	482	432	9.92 U	5.66 U	222	319
13B-0563-C2CS	1.1 - 2.5 ft	4330 J	15400 J	790000 J	547000 J	1270 J	16100 J	146000 J	288000 J
13B-0563-C2IS	7.5 - 8.28 ft	713	4500	2020	1530	13.1 U	39.7	1070	2170
13B-0564-G2AS	0 - 0.5 ft	693 J	2620 J	23600 J	19700 J	40.3 UJ	472 J	6270 J	10500 J
13B-0565-G1AS	0 - 0.5 ft	91.2 EMPC-J	335	2120	2090	29.4 U	54.9	879	1250
13B-0566-G3AS	0 - 0.5 ft	79.2	231	1460	2230	21.5 U	13.8 U	3850	4060
13B-0567-G2AS	0 - 0.5 ft	624 J	1980 J	10500 J	9660 J	20.5 UJ	198 J	4620 J	6430 J
13B-0568-G2AS	0 - 0.5 ft	1680 J	5820 J	113000 J	75900 J	154 J	2230 J	18600 J	36800 J
13B-0570-G3AS	0 - 0.5 ft	411 J	1500 J	11500 J	9580 J	23.7 J	282 J	3270 J	5190 J
13B-0571-C3AS	0 - 0.5 ft	212	1080	2750	2060	3.97 U	75.3	938	1530
13B-0571-C3BS	0.5 - 1.5 ft	134	581	745	640	2.24 U	12.8 J	223	333
13B-0571-C3CS	1.5 - 2.5 ft	93.5	520	41.1 J	33.1 J	2 U	2.16 U	10.8 J	15.3 J
13B-0571-C3MS	11 - 12 ft	3.37 U	3.75 U	3.88 U	2.32 U	2.16 U	1.87 U	2.07 U	2.15 U
13B-0572-C1AS	0 - 0.5 ft	133	569	280	239	17.7 U	13.1 U	111	170
13B-0572-C1BS	0.5 - 1.5 ft	33.9 U	76.4	28.3 U	30.7 U	28.6 U	19.6 U	27.8 U	28.7 U
13B-0572-C1CS	1.5 - 2.27 ft	25.3 U	28.4 U	19.5 U	21.2 U	19.7 U	12.3 U	19.2 U	19.8 U
13B-0573-C2AS	0 - 0.5 ft	153	756	4240	4070	21.9 U	148	2090	3060
13B-0573-C2BS	0.5 - 1.5 ft	57.5	199	1740	1650	18.3 U	50.5	814	1130
13B-0573-C2CS	1.5 - 2.5 ft	274	891	15000	13000	44 U	305 J	9240	7950
13B-0573-C2DS	2.5 - 3.75 ft	16.6 U	18.9 U	121	86.2 EMPC-J	17.3 U	14.5 U	26.7 EMPC-J	39.8 J
13B-0574-C2AS	0 - 0.5 ft	502	1870	56300	36500	104	899	13500	24700
13B-0574-C2BS	0.5 - 1.5 ft	344	1360 J	47800	35100	77.9	926	11100	20200
13B-0574-C2CS	1.5 - 2.5 ft	1540	4810	64800	38700	114	1130	11500	22400
13B-0574-C2HS	6.4 - 7.4 ft	741	2200	118000	72500	201	5.47 U	20800	44000
13B-0575-C4AS	0 - 0.5 ft	1650 J	4430 J	303000 J	218000 J	728 J	7060 J	64000 J	98300 J
13B-0575-C4BS	0.5 - 1.5 ft	1090	3020	144000	97100	321	3500	26000	46800
13B-0575-C4CS	1.5 - 2.5 ft	20.5 U	21.1 U	193	141	17.1 U	16.2 U	40.6 J	70 J
13B-0575-C4FS	4.3 - 5.44 ft	12.9 U	13.3 U	30.9 J	24.8 J	10.3 U	9.49 U	9.83 U	10.1 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-207**	**PCB-208**	**PCB-21**	**PCB-22**	**PCB-23**	**PCB-24**	**PCB-25**	**PCB-26**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**10.5**	**9.54**	**9.43**	**9.91**	**5.51**	**5.08**	**10.8**	**11.4**
	Maximum Detect	**28700**	**149000**	**1050000**	**680000**	**2090**	**16100**	**155000**	**333000**
	Mean of Detects	**1510**	**6900**	**66200**	**47900**	**308**	**1560**	**15700**	**26500**
	St. Dev. of Detects	**3010**	**18100**	**160000**	**108000**	**441**	**3150**	**28300**	**54600**
	CV of Detects	**2.00**	**2.62**	**2.42**	**2.26**	**1.43**	**2.02**	**1.81**	**2.06**
	% Detected	**81.1**	**85.7**	**88.7**	**87.0**	**35.7**	**66.0**	**82.8**	**84.0**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	271 J	1030 J	1460 J	1620 J	15.8 UJ	35.9 J	678 J	922 J
13B-0578-C5AS	0 - 0.5 ft	402	2700	898	760	7.35 U	6.45 U	307	479
13B-0578-C5BS	0.5 - 1.5 ft	2540	23900	3050	2350	5.51 J	55.2	681	1270
13B-0578-C5CS	1.5 - 2.5 ft	4010	18900	124	60	10.8 U	7.29 U	30.7 EMPC-J	65.1 J
13B-0578-C5CT	1.5 - 2.5 ft	4350	20900	144	79	8.75 U	7.62 U	38.5 J	79.7 J
13B-0578-C5GS	5.25 - 6.25 ft	9.16 U	26.9 J	17.6 J	10.5 EMPC-J	6.7 U	5.78 U	6.48 U	6.72 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	332	5380	918	797	2770	3590	1550	1340
13B-0501-C1BS	0.5 - 1.5 ft	437 J	9300	2020	662	5210 J	6900	2240 J	2930
13B-0501-C1CS	1.5 - 2.5 ft	948	22100	4630	495	13600	17700	5030	8370
13B-0501-C1DS	2.5 - 3.07 ft	15.4 EMPC-J	979	1910	246	280 J	1170	78.2 J	206
13B-0502-C2AS	0 - 0.5 ft	419	8870	1670	195	4670	6830	1930	3170
13B-0502-C2BS	0.5 - 1.5 ft	2950	62500	17700	628	32400	48500 J	14900	19400
13B-0502-C2CS	1.5 - 2.45 ft	19000	337000 J	70400	3460	207000 J	261000 J	92300 J	113000 J
13B-0503-C1AS	0 - 0.5 ft	74.6 EMPC-J	1750	250	35.3	706	1280	336	481
13B-0503-C1BS	0.5 - 1.5 ft	16.4 U	21 U	19.8 U	18 U	18.9 U	19.7 U	15.6 U	20.6 U
13B-0503-C1CS	1.5 - 2.5 ft	18.6 U	20.9 U	19.8 U	17.2 U	21.4 U	19.6 U	17.6 U	20.5 U
13B-0503-C1DS	2.5 - 2.5 ft	16.9 U	21.6 U	20.5 U	15.9 U	19.5 U	20.3 U	16 U	21.2 U
13B-0504-C4AS	0 - 0.5 ft	3420 J	74300 J	10400 J	995 J	58200 J	59300 J	13300 J	24400 J
13B-0504-C4BS	0.5 - 1.5 ft	1400 J	33200 J	4060 J	1210 J	24800 J	25600 J	5470 J	10200 J
13B-0504-C4CS	1.5 - 2.5 ft	305	10600	1550	516	5490	8060	1260	3180
13B-0504-C4KS	9.5 - 10.25 ft	22.4 J	444	79.1	490	258	307	66.1	192
13B-0505-C1AS	0 - 0.5 ft	2130 J	35500 J	6510 J	1890 J	16200 J	26600 J	7540 J	9530 J
13B-0505-C1BS	0.5 - 1.5 ft	1080	15000	3260	1700	9710	11600	4680	3520
13B-0505-C1CS	1.5 - 2.5 ft	8670	160000	31300	5640	109000	130000	39600	46900
13B-0505-C1FS	4.5 - 5.2 ft	18.5 U	113	20.7 U	130	43.8 J	79.4	17.5 U	46.9 J
13B-0506-C2AS	0 - 0.5 ft	512	11300	1750	320	4580	7850	2120	3160
13B-0506-C2BS	0.5 - 1.5 ft	56.5	1390	292	81.1	644	1010	284	506
13B-0506-C2CS	1.5 - 2.5 ft	6.64 EMPC-J	120	23.6 J	8.9 J	63.5 J	75.1	32 J	32.6 J
13B-0507-C2AS	0 - 0.5 ft	10.3 EMPC-J	267	34.1 EMPC-J	17.5 J	143	174	67	70.2 J
13B-0507-C2BS	0.5 - 1.5 ft	4.2 U	11.1 J	2.98 U	9.05 J	10.3 EMPC-J	7.58 EMPC-J	3.74 U	2.99 U
13B-0507-C2CS	1.5 - 2.5 ft	4.55 U	2.72 U	2.63 U	5.64 EMPC-J	5.23 U	2.53 U	4.06 U	2.63 U
13B-0507-C2DS	2.5 - 3.5 ft	5.77 U	3.62 U	3.49 U	3.43 U	6.63 U	3.36 U	5.14 U	3.5 U
13B-0508-G3AS	0 - 0.5 ft	21.7	472	72.8	74.9	153	303	84.4	108
13B-0509-C1AS	0 - 0.5 ft	21900	313000 J	60600	7610	254000 J	271000 J	94300 J	116000 J
13B-0509-C1BS	0.5 - 1.5 ft	909	16400	2850	1670	12500	13500	3880	7760
13B-0509-C1CS	1.5 - 2.5 ft	12 U	121	34.5 EMPC-J	351	93.5	103	27.5	69.7
13B-0509-C1ES	3.17 - 4.17 ft	15.9 U	102	18.6 U	1330	62.6	74.8	15.9	39
13B-0510-C3AS	0 - 0.5 ft	1550	51700	5130	355	29300	42800	8970	16300

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	126	3430	359	58.3	2260	2830	746	1160
13B-0511-C3AS	0 - 0.5 ft	1830 J	40300 J	6810 J	1140 J	15300 J	28800 J	6990 J	11000 J
13B-0511-C3BS	0.5 - 1.5 ft	1750	38600	6230	1090	16600	27600	6970	11000
13B-0511-C3CS	1.5 - 2.5 ft	9760	199000	32900	2540	134000	165000	43000	89300
13B-0511-C3HS	5.95 - 6.95 ft	3450	103000	13100	1100	56300	80300	18100	41400
13B-0512-G1AS	0 - 0.5 ft	1390 J	27400 J	4860 J	858 J	10600 J	20100 J	5130 J	7110 J
13B-0513-G1AS	0 - 0.5 ft	16100 J	286000 J	45700 J	2970 J	221000 J	248000 J	70000 J	141000 J
13B-0514-G1AS	0 - 0.5 ft	1710 J	38900 J	6730 J	927 J	17500 J	28800 J	6280 J	11000 J
13B-0515-C1AS	0 - 0.5 ft	341	8180	1150	172	3540	5830	1470	2440
13B-0515-C1BS	0.5 - 1.71 ft	8.05 U	57.2 J	6.29 U	4.88 U	29.4 J	41.5 J	10.9 J	17.2 J
13B-0515-C2CS	1.5 - 2.19 ft	11.4 U	58.3 J	11.4 J	6.12 U	44.2 J	46.7 J	15.3 J	28.1 J
13B-0516-C2AS	0 - 0.5 ft	1360 J	29900 J	4740 J	803 J	12000 J	20900 J	5750 J	8640 J
13B-0516-C2BS	0.5 - 1.5 ft	3380 J	75500 J	13800 J	1850 J	33000 J	52800 J	14500 J	18900 J
13B-0516-C2CS	1.5 - 2.5 ft	11100 J	254000 J	48800 J	17600 J	141000 J	191000 J	48300 J	73000 J
13B-0516-C2LS	10.4 - 11.4 ft	8980	195000	32900	5300	135000	156000	39800	93400
13B-0517-G2AS	0 - 0.5 ft	50.7	1020	140	33.2 EMPC-J	300	592	199	223
13B-0518-G1AS	0 - 0.5 ft	278	6210	959	151	2560	4420	1130	1700
13B-0518-G1AT	0 - 0.5 ft	416	8880	1460	251	3700	6220	1650	2470
13B-0519-C2AS	0 - 0.5 ft	1120 J	24600 J	4190 J	543 J	10600 J	17500 J	4570 J	7430 J
13B-0519-C2BS	0.5 - 1.5 ft	1300	27900	5020	521	12600	19500	5850	7240
13B-0519-C2CS	1.5 - 2.5 ft	22000 J	415000 J	73100 J	6310 J	324000 J	345000 J	100000 J	168000 J
13B-0519-C2RS	16.1 - 17.1 ft	9.9 U	148	16.7 J	8.04 U	35.6 J	109	14.4 J	73.2 J
13B-0520-G1AS	0 - 0.5 ft	1090 J	27800 J	4430 J	640 J	10500 J	20000 J	4350 J	7980 J
13B-0521-C2AS	0 - 0.5 ft	189	3680	695	80.6 EMPC-J	1620	2560	858	957
13B-0521-C2BS	0.5 - 1.5 ft	94.4	2120	405	54.5 EMPC-J	929	1450	515	543
13B-0521-C2CS	1.5 - 2.5 ft	211	4500	790	85	1780	3090	847	1210
13B-0521-C2HS	6.5 - 7.63 ft	65700 J	1020000 J	161000 J	9750 J	978000 J	856000 J	291000 J	500000 J
13B-0522-G1AS	0 - 0.5 ft	1520 J	40100 J	6510 J	1140 J	13500 J	28600 J	5860 J	10900 J
13B-0522-G1AT	0 - 0.5 ft	1470 J	39800 J	6360 J	1210 J	13500 J	28000 J	5780 J	10700 J
13B-0523-G2AS	0 - 0.5 ft	1940 J	40600 J	6790 J	1040 J	16900 J	28500 J	7400 J	10900 J
13B-0524-C1AS	0 - 0.5 ft	1270 J	28000 J	4480 J	633 J	11300 J	19800 J	5020 J	7590 J
13B-0524-C1BS	0.5 - 1.5 ft	1950	39200	6150	843	16500	27200	7670	10400

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	3760	70400	10800	1310	35600	48300	15800	21400
13B-0524-C1GS	5.39 - 6.39 ft	14400	246000	49500	11900	177000	189000	60800	71100
13B-0525-C1AS	0 - 0.5 ft	1770 J	36800 J	6000 J	1010 J	15900 J	26200 J	6890 J	10700 J
13B-0525-C1BS	0.5 - 1.5 ft	2250 J	43900 J	6880 J	1060 J	19800 J	29700 J	8820 J	12000 J
13B-0525-C1CS	1.5 - 2.5 ft	3220 J	69900 J	12500 J	1330 J	31000 J	47300 J	13700 J	20600 J
13B-0525-C1HS	6.42 - 7.42 ft	12600	199000	34300	15400	162000	156000	55600	82800
13B-0526-C1AS	0 - 0.5 ft	17600 J	427000 J	66800 J	6240 J	267000 J	363000 J	79200 J	202000 J
13B-0526-C1BS	0.5 - 1.5 ft	35000 J	900000 J	137000 J	5600 J	545000 J	804000 J	165000 J	410000 J
13B-0526-C1CS	1.5 - 2.5 ft	51900 J	1210000 J	193000 J	11800 J	750000 J	1000000 J	220000 J	597000 J
13B-0526-C1CT	1.5 - 2.5 ft	53300 J	1270000 J	205000 J	14000 J	747000 J	1060000 J	224000 J	634000 J
13B-0526-C1HS	6.5 - 7.62 ft	2650	59100	8460	810	37200	45000	11100	23800
13B-0527-C2AS	0 - 0.5 ft	108	2550	394	68.8	1010	1770	425	738
13B-0527-C2BS	0.5 - 1.5 ft	5.69 U	48.2 J	7 U	3.25 U	23.2 J	32.6 J	5.23 U	14.8 J
13B-0527-C2CS	1.5 - 2.6 ft	6.18 U	13.8 EMPC-J	5.69 U	3.63 U	12.4 EMPC-J	10.4 J	5.68 U	5.68 U
13B-0528-C3AS	0 - 0.5 ft	3260 J	91400 J	14200 J	1210 J	39900 J	73200 J	14000 J	33500 J
13B-0528-C3BS	0.5 - 1.5 ft	43700 J	1250000 J	197000 J	6670 J	675000 J	1060000 J	201000 J	586000 J
13B-0528-C3CS	1.5 - 2.5 ft	4190 J	128000 J	20600 J	1010 J	67000 J	102000 J	19400 J	48200 J
13B-0528-C3LS	10.5 - 11.54 ft	14.6 EMPC-J	451	412	573	180	350	62.8	184
13B-0529-C2AS	0 - 0.5 ft	732	11300	2080	128	7480	7930	3600	2810
13B-0529-C2BS	0.5 - 1.5 ft	50.4	975	168	23.4	483	645	240	251
13B-0529-C2CS	1.5 - 2.5 ft	9.88	202	36.4	15.6	116	140	51.5	66
13B-0529-C2ES	3.5 - 4.2 ft	9.95 U	8.2 J	6.85 U	16.6	11.6 U	6.61 U	9.2 U	6.81 U
13B-0530-C1AS	0 - 0.5 ft	473	8020	1500	125	4440	5450	2430	1860
13B-0530-C1BS	0.5 - 1.5 ft	6620	128000	28900	3450	67600	84500	38300	27600
13B-0530-C1CS	1.5 - 1.8 ft	2980	25400	6030	3480	31300	19400	15400	6100
13B-0531-C2AS	0 - 0.5 ft	185	3550	757	60.2	1700	2460	841	842
13B-0531-C2AT	0 - 0.5 ft	152	3210	570	105	1320	2130	747	822
13B-0531-C2BS	0.5 - 1.5 ft	101	5520 J	731	37.6 J	1180	3670 J	622	1530 J
13B-0531-C2CS	1.5 - 2.5 ft	4.38 U	56.6 U	5.02 U	6.9 U	16.4 U	39.3 U	7.69 U	24.5 U
13B-0531-C2ES	3.5 - 4.42 ft	5 U	8.94 U	4.97 U	83.7	5.76 U	4.96 U	4.71 U	4.9 U
13B-0532-C1AS	0 - 0.5 ft	306	6660	1280	151	2950	4680	1470	1740
13B-0532-C1BS	0.5 - 1.5 ft	74.8	1450	300	83.4	711	1020	389	325

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	9.99 J	236	48.3 J	161	114	155	39.3 J	92 J
13B-0532-C1DS	2.5 - 3.73 ft	7.58 U	10.8 J	8.41 U	17.5 U	8.73 U	7.91 U	7.13 U	8.18 U
13B-0533-C2AS	0 - 0.5 ft	2970 J	72500 J	11300 J	1380 J	32300 J	56700 J	12200 J	26500 J
13B-0533-C2AT	0 - 0.5 ft	2490 J	56900 J	8800 J	1110 J	27600 J	44100 J	10200 J	19200 J
13B-0533-C2BS	0.5 - 1.5 ft	57500 J	1100000 J	168000 J	4350 J	880000 J	932000 J	198000 J	441000 J
13B-0533-C2CS	1.5 - 2.5 ft	5360 J	130000 J	14700 J	1460 J	113000 J	107000 J	24300 J	43900 J
13B-0533-C2JS	8.5 - 9.62 ft	181	4250	634	203	2140	3170	679	1870
13B-0533-C2JT	8.5 - 9.62 ft	167	3820	561	211	1970	2810	615	1650
13B-0534-C2AS	0 - 0.5 ft	27500 J	569000 J	94900 J	4950 J	404000 J	514000 J	116000 J	307000 J
13B-0534-C2AT	0 - 0.5 ft	26000 J	547000 J	92400 J	4910 J	396000 J	490000 J	110000 J	292000 J
13B-0534-C2BS	0.5 - 1.5 ft	6530	185000	23800	1520	114000	155000	32400	74600
13B-0534-C2CS	1.5 - 2.5 ft	77.1	2910	942	431	1190	2180	404	1050
13B-0534-C2IS	7.5 - 8.59 ft	37.2 J	1020	163	249	447	709	172	430
13B-0535-C2AS	0 - 0.5 ft	2100 J	43900 J	7060 J	1220 J	20500 J	32400 J	8560 J	13100 J
13B-0535-C2BS	0.5 - 1.5 ft	33.9 EMPC-J	950	192	165	385	678	166	282
13B-0535-C2CS	1.5 - 2.45 ft	11.6 U	88.4 J	12.8 U	11.7 U	26.6 J	55.7	11 U	23.1 J
13B-0536-C1AS	0 - 0.5 ft	930 J	21100 J	3400 J	622 J	8340 J	14800 J	3690 J	6080 J
13B-0536-C1BS	0.5 - 1.5 ft	26.7 J	622	98.9	301	308	399	120	257
13B-0536-C1CS	1.5 - 2.5 ft	11.7 J	215	54.2 J	401	165	202	42.7 J	136
13B-0536-C1FS	4.28 - 5.28 ft	3.87 U	68.9 J	6.06 U	2430	18.2 J	33.9 J	5.66 EMPC-J	19.9 J
13B-0537-C3AS	0 - 0.5 ft	499	10900	3430	199	6690	8430	2350	2600
13B-0538-C3AS	0 - 0.5 ft	65200 J	1200000 J	220000 J	19400 J	961000 J	1150000 J	243000 J	754000 J
13B-0538-C3BS	0.5 - 1.5 ft	61900 J	1150000 J	208000 J	8360 J	878000 J	1080000 J	244000 J	696000 J
13B-0538-C3CS	1.5 - 2.5 ft	52400 J	923000 J	168000 J	14800 J	753000 J	874000 J	194000 J	566000 J
13B-0538-C3ES	3.5 - 4.8 ft	13.3 U	208	39.3 J	141	188	193	52.3	126
13B-0539-C3AS	0 - 0.5 ft	5640	103000	13100	1140	83700	81600	25900	35400
13B-0539-C3AT	0 - 0.5 ft	7980	146000	18800	1860	123000	111000	37600	49300
13B-0539-C3BS	0.5 - 1.5 ft	330	5970	1270	722	4530	4510	1510	2310
13B-0539-C3CS	1.5 - 2.5 ft	216	4790	717	340	2610	3110	985	1910
13B-0539-C3HS	6.5 - 7.59 ft	6.71 U	12.8 J	5.85 U	5.29 U	7.78 U	7.02 J	6.21 U	5.75 U
13B-0540-C4AS	0 - 0.5 ft	1410 J	31900 J	5130 J	815 J	13200 J	23200 J	5430 J	9460 J
13B-0540-C4BS	0.5 - 1.5 ft	4910 J	122000 J	18900 J	1880 J	66400 J	96900 J	22200 J	40400 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	44200 J	1020000 J	171000 J	8130 J	691000 J	904000 J	203000 J	488000 J
13B-0540-C4LS	10.3 - 11.25 ft	12.2 U	32.9 EMPC-J	10.2 U	37 U	14.2 U	26.6 J	11.3 U	15.1 EMPC-J
13B-0541-C1AS	0 - 0.5 ft	9270 J	167000 J	27000 J	1190 J	124000 J	135000 J	39600 J	68000 J
13B-0541-C1BS	0.5 - 1.5 ft	17100	251000	41600	1850	234000	203000 J	71900	120000
13B-0541-C1CS	1.5 - 2.5 ft	1170	34200	4730	451	20400	27100	6420	11300
13B-0541-C1FS	4.5 - 5.67 ft	14.4 U	37.5 J	13.4 U	10.8 U	16.6 U	30.7 J	13.6 U	13.4 U
13B-0542-C2AS	0 - 0.5 ft	70	1160	208	1510	869	941	264	495
13B-0542-C2BS	0.5 - 1.5 ft	9.43 U	17.2 EMPC-J	8.74 U	457	12.3 EMPC-J	17.2 J	8.94 U	8.67 U
13B-0542-C2CS	1.5 - 2.5 ft	10.5 U	42.1 J	18.1 U	554	18.6 J	23.5 J	10 U	17.9 U
13B-0542-C2HS	6.5 - 7.55 ft	8.89 U	10.2 U	9.85 U	10.5 U	10.2 U	9.4 U	8.44 U	9.77 U
13B-0543-G1AS	0 - 0.5 ft	1230 J	24600 J	3780 J	539 J	12100 J	17000 J	5280 J	7110 J
13B-0544-C2AS	0 - 0.5 ft	1020 J	20400 J	3350 J	450 J	9940 J	14700 J	4410 J	6410 J
13B-0544-C2BS	0.5 - 1.5 ft	1410	26700	4220	708	14100	19000	5990	8540
13B-0544-C2CS	1.5 - 2.5 ft	2410	47400	7650	1060	22800	32600	10400	14100
13B-0544-C2ES	3 - 3.97 ft	957	19500	3940	521	10500	14400	4400	4060
13B-0546-G2AS	0 - 0.5 ft	347	4950	879	246	2930	3050	2280	1160
13B-0547-C2AS	0 - 0.5 ft	51800 J	933000 J	139000 J	2680 J	740000 J	746000 J	226000 J	356000 J
13B-0547-C2BS	0.5 - 1.5 ft	11900 J	234000 J	29900 J	1160 J	181000 J	182000 J	55500 J	68100 J
13B-0547-C2CS	1.5 - 2.05 ft	127	2550	378	200	1730	1930	564	900
13B-0547-C2HS	6.5 - 7.15 ft	6.29 U	12.3	7.91 U	21.7 J	7.25 U	8.83 EMPC-J	5.93 U	7.92 U
13B-0548-C1AS	0 - 0.5 ft	1120	20600	4620	517	11600	15600	5420	6400
13B-0548-C1BS	0.5 - 1.5 ft	946	18700	3550	298	9990	14100	4050	6260
13B-0548-C1BT	0.5 - 1.5 ft	893	19000	3420	386	9610	13800	3950	5880
13B-0548-C1CS	1.5 - 2.5 ft	1830	43400	8620	1090	20100	31200	7980	7510
13B-0548-C1IS	7.5 - 8.79 ft	11.2 U	18.6 U	12.3 U	10.4 U	13 U	11.7 U	10.5 U	12.2 U
13B-0549-C3AS	0 - 0.5 ft	704	15300	2500	448	5940	10400	2830	4050
13B-0549-C3BS	0.5 - 1.5 ft	15 U	31.8 U	14.4 U	524	17.3 U	17.8 J	14 U	14.3 U
13B-0549-C3CS	1.5 - 2.65 ft	9.43 U	46.9 U	9.82 U	1990	10.9 U	20.7 J	8.84 U	12 EMPC-J
13B-0550-C3AS	0 - 0.5 ft	790 J	17600 J	2920 J	388 J	7410 J	12400 J	3110 J	5380 J
13B-0550-C3BS	0.5 - 1.5 ft	319	7020	1130	150	3890	5280	1320	2140
13B-0550-C3CS	1.5 - 2.5 ft	5.4 U	12.9 J	5.51 U	9.11 J	6.2 U	9.24 J	4.93 U	5.49 U
13B-0550-C3FS	4.5 - 5.37 ft	4.75 U	5.14 U	5.06 U	2.5 U	5.46 U	4.82 U	4.33 U	5.04 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	1930	35200	5330	262	23700	26300	8320	11900
13B-0551-C2BS	0.5 - 0.88 ft	1580	34000	4980	249	21300	26200	6910	12400
13B-0552-C3AS	0 - 0.5 ft	1820 J	43900 J	7050 J	985 J	19700 J	32100 J	7910 J	14700 J
13B-0552-C3BS	0.5 - 1.5 ft	4160	94300	18100	2940	44400	67900	18300	19500
13B-0552-C3CS	1.5 - 2.38 ft	27400	558000 J	88000	6280 J	382000	469000 J	120000	259000
13B-0552-C3CT	1.5 - 2.38 ft	29500	505000 J	75100	3090 J	439000 J	392000 J	129000	236000
13B-0553-C2AS	0 - 0.5 ft	408	8750	1570	162	4050	6020	1920	2430
13B-0553-C2BS	0.5 - 1.5 ft	6.85 U	142	26.3 J	117	61.5 J	101	27.3 J	51.7 J
13B-0553-C2CS	1.5 - 2.5 ft	10.6 U	40.2 J	30.9 EMPC-J	405	33.6 J	62.9	10.1 U	39.7 J
13B-0553-C2DS	2.5 - 3.5 ft	17.6 U	43.5 U	43 U	846	20.2 U	75.4 EMPC-J	16.7 U	42.7 U
13B-0554-C1AS	0 - 0.5 ft	549	11700	2260	245	5330	8020	2480	3440
13B-0554-C1BS	0.5 - 1.5 ft	1420	34200	5310	900	11600	21900	5490	8460
13B-0554-C1CS	1.5 - 2.5 ft	2780	61600	11000	1990	31000	43200 J	11600	15500
13B-0554-C1ES	3.5 - 4.7 ft	8.75 U	38.9 U	8.37 U	11.7 U	10 U	21.1 U	8.3 U	9.43 EMPC-J
13B-0555-C1AS	0 - 0.5 ft	53500 J	1370000 J	216000 J	6100 J	759000 J	1120000 J	238000 J	611000 J
13B-0555-C1BS	0.5 - 1.22 ft	17600	469000	72200	1300	250000	362000	77800	164000
13B-0555-C2CS	1.5 - 2 ft	88200 J	2040000 J	333000 J	12400 J	1270000 J	1680000 J	388000 J	1050000 J
13B-0555-C2DS	2 - 3 ft	23500 J	644000 J	97200 J	2310 J	353000 J	520000 J	106000 J	252000 J
13B-0556-C2AS	0 - 0.5 ft	1070 J	25700 J	3940 J	548 J	8920 J	16800 J	4400 J	6680 J
13B-0556-C2BS	0.5 - 1.5 ft	1270	30500	4140	615	10100	19000	5160	8160
13B-0556-C2CS	1.5 - 2.38 ft	916	20100	2730	881	7400	13100	3570	5550
13B-0557-C2AS	0 - 0.5 ft	1720 J	40200 J	6860 J	749 J	15700 J	27700 J	7200 J	13700 J
13B-0557-C2BS	0.5 - 1.5 ft	1620 J	37500 J	5960 J	695 J	14100 J	24800 J	6360 J	11600 J
13B-0557-C2CS	1.5 - 2.5 ft	5470	136000	29700	2600	55100	100000	21900	34300
13B-0557-C2ES	3.5 - 4.5 ft	8200	183000	35800	3970	106000	154000	31100	86800
13B-0558-C2AS	0 - 0.5 ft	1090 J	25800 J	5880 J	616 J	10700 J	18000 J	4480 J	5450 J
13B-0558-C2BS	0.5 - 1.5 ft	552	13900	2940	301	6500	10400	2410	2870
13B-0558-C2CS	1.5 - 2.5 ft	9.28 EMPC-J	299	64.6	161	118	227	44.1	92.1
13B-0558-C2FS	4.5 - 5.75 ft	11.7 U	19.3 U	10.7 U	6 U	13.9 U	11.1 U	11 U	10.7 U
13B-0559-C3AS	0 - 0.5 ft	625	12000	1960	263	5170	7940	2660	3090
13B-0559-C3BS	0.5 - 1.5 ft	1810 J	33200 J	5640 J	626 J	16100 J	22300 J	7370 J	8500 J
13B-0559-C3CS	1.5 - 2.5 ft	5410	86600 J	14700	2750	59000	64900 J	22900	27400

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	8830	159000 J	31800	4110	110000 J	123000 J	39400	57500
13B-0560-C1AS	0 - 0.5 ft	462	7250	1380	232 EMPC-J	3730	4940	2010	1800
13B-0560-C1BS	0.5 - 1.5 ft	1580	26100	5330	852	14300	18300	7470	6940
13B-0560-C1CS	1.5 - 2.5 ft	3780 J	41200 J	8610 J	1390 J	30000 J	30100 J	15500 J	13000 J
13B-0560-C1GS	5.14 - 5.86 ft	42.5 J	256	63.6 J	14.5 U	534	245	148	143
13B-0561-C1AS	0 - 0.5 ft	19100	421000 J	90500	3220 J	268000	326000 J	86200	140000
13B-0561-C1BS	0.5 - 1.5 ft	14500	287000	49600	2880	195000	220000 J	63900	113000
13B-0561-C1CS	1.5 - 2.5 ft	5750 J	254000	147000	590 J	141000 J	203000 J	38000 J	21800
13B-0561-C1GS	5.5 - 6.5 ft	16.8 U	49.7 J	16.3 U	16 U	19.5 U	33.5 J	15.7 U	16 U
13B-0562-G2AS	0 - 0.5 ft	395	6600	1370	162	3210	4450	1710	1570
13B-0563-C2AS	0 - 0.5 ft	175	2960	573	72.4	1690	2150	778	1010

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.89	8.2	11.4	5.64	10.3	7.02	5.66	9.43
	Maximum Detect	94900	2040000	333000	22300	1270000	1680000	404000	1050000
	Mean of Detects	7930	141000	26500	1890	99100	117000	32200	66200
	St. Dev. of Detects	16200	313000	54600	3410	224000	267000	66900	160000
	CV of Detects	2.04	2.22	2.06	1.81	2.26	2.29	2.08	2.42
	% Detected	80.3	92.9	84.0	89.1	89.9	93.3	84.9	88.7
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	214	3800	848	56.4	2170	2740	1010	1210
13B-0563-C2BS	0.5 - 1.1 ft	94	1520	319	82.1	974	1090	456	482
13B-0563-C2CS	1.1 - 2.5 ft	94900 J	1590000 J	288000 J	22300 J	1270000 J	1340000 J	404000 J	790000 J
13B-0563-C2IS	7.5 - 8.28 ft	237	5400	2170	216	3710	4250	1160	2020
13B-0564-G2AS	0 - 0.5 ft	3160 J	67300 J	10500 J	1610 J	34800 J	50800 J	13300 J	23600 J
13B-0565-G1AS	0 - 0.5 ft	392	8030	1250	171	3170	5520	1570	2120
13B-0566-G3AS	0 - 0.5 ft	841	11100	4060	132	3200	8430	3020	1460
13B-0567-G2AS	0 - 0.5 ft	1520 J	39700 J	6430 J	1180 J	13800 J	28000 J	5880 J	10500 J
13B-0568-G2AS	0 - 0.5 ft	13400 J	261000 J	36800 J	4040 J	184000 J	196000 J	60400 J	113000 J
13B-0570-G3AS	0 - 0.5 ft	1540 J	33800 J	5190 J	663 J	16900 J	25400 J	6620 J	11500 J
13B-0571-C3AS	0 - 0.5 ft	484	8060	1530	233	4150	5940	1720	2750
13B-0571-C3BS	0.5 - 1.5 ft	114	2670	333	339	623	1640	339	745
13B-0571-C3CS	1.5 - 2.5 ft	3.89 J	123	15.3 J	17.4 U	34.9 J	76	13.6 J	41.1 J
13B-0571-C3MS	11 - 12 ft	1.8 U	3.65 U	2.15 U	14.2 U	2.07 U	2.05 U	1.68 U	3.88 U
13B-0572-C1AS	0 - 0.5 ft	63.4	868	170	165	836	642	259	280
13B-0572-C1BS	0.5 - 1.5 ft	19.3 U	55 EMPC-J	28.7 U	2430	37.8 J	34.5 EMPC-J	17.9 U	28.3 U
13B-0572-C1CS	1.5 - 2.27 ft	12.1 U	37.7 J	19.8 U	154	28.2 EMPC-J	27.9 J	11.2 U	19.5 U
13B-0573-C2AS	0 - 0.5 ft	950	15400	3060	351	9260	10900	4440	4240
13B-0573-C2BS	0.5 - 1.5 ft	313	6030	1130	157	2730	4160	1370	1740
13B-0573-C2CS	1.5 - 2.5 ft	1870 J	44100	7950	782	25300 J	34900	8380 J	15000
13B-0573-C2DS	2.5 - 3.75 ft	14.2 U	287	39.8 J	14.6 U	150	232	58.8	121
13B-0574-C2AS	0 - 0.5 ft	5400	123000	24700	1800	78400	103000	24200	56300
13B-0574-C2BS	0.5 - 1.5 ft	4930	108000	20200	1630 J	71000	89800	23500	47800
13B-0574-C2CS	1.5 - 2.5 ft	6210	140000	22400	1800	86800	116000	30000	64800
13B-0574-C2HS	6.4 - 7.4 ft	12100	252000	44000	2180	170000	217000 J	47600	118000
13B-0575-C4AS	0 - 0.5 ft	36800 J	648000 J	98300 J	3150 J	551000 J	525000 J	166000 J	303000 J
13B-0575-C4BS	0.5 - 1.5 ft	17100	299000	46800	3070	250000	235000 J	76300	144000
13B-0575-C4CS	1.5 - 2.5 ft	26.3 J	429	70 J	36.3 J	418	351	105	193
13B-0575-C4FS	4.3 - 5.44 ft	9.12 U	63.8 U	10.1 U	6.38 U	28.2 J	43.5 U	8.47 U	30.9 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-27**	**PCB-28**	**PCB-29**	**PCB-3**	**PCB-30**	**PCB-31**	**PCB-32**	**PCB-33**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**3.89**	**8.2**	**11.4**	**5.64**	**10.3**	**7.02**	**5.66**	**9.43**
	Maximum Detect	**94900**	**2040000**	**333000**	**22300**	**1270000**	**1680000**	**404000**	**1050000**
	Mean of Detects	**7930**	**141000**	**26500**	**1890**	**99100**	**117000**	**32200**	**66200**
	St. Dev. of Detects	**16200**	**313000**	**54600**	**3410**	**224000**	**267000**	**66900**	**160000**
	CV of Detects	**2.04**	**2.22**	**2.06**	**1.81**	**2.26**	**2.29**	**2.08**	**2.42**
	% Detected	**80.3**	**92.9**	**84.0**	**89.1**	**89.9**	**93.3**	**84.9**	**88.7**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	317 J	6400 J	922 J	234 J	1790 J	3750 J	1160 J	1460 J
13B-0578-C5AS	0 - 0.5 ft	144	2560	479	46.2 J	1190	1990	462	898
13B-0578-C5BS	0.5 - 1.5 ft	354	8070	1270	91.1	5120	6270	1620	3050
13B-0578-C5CS	1.5 - 2.5 ft	7.05 U	335	65.1 J	209	112 J	220	40.3 J	124
13B-0578-C5CT	1.5 - 2.5 ft	7.37 U	377	79.7 J	223	169	244	65.1	144
13B-0578-C5GS	5.25 - 6.25 ft	5.58 U	42.3 J	6.72 U	23 EMPC-J	12.6 J	25.7 J	5.2 U	17.6 J

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-34**	**PCB-35**	**PCB-36**	**PCB-37**	**PCB-38**	**PCB-39**	**PCB-4**	**PCB-40**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**7.21**	**8.21**	**6.45**	**4.92**	**9.01**	**10.5**	**8.34**	**11.4**
	Maximum Detect	**14300**	**33900**	**247**	**471000**	**795**	**8230**	**275000**	**649000**
	Mean of Detects	**1310**	**3890**	**58.2**	**40000**	**177**	**1120**	**16700**	**54100**
	St. Dev. of Detects	**2350**	**6540**	**44.9**	**87000**	**179**	**1680**	**37700**	**107000**
	CV of Detects	**1.79**	**1.68**	**0.771**	**2.18**	**1.01**	**1.50**	**2.26**	**1.98**
	% Detected	**69.3**	**77.7**	**23.5**	**90.3**	**41.2**	**62.6**	**84.0**	**87.8**
Sample ID	**Depth Interval**								
13B-0501-C1AS	0 - 0.5 ft	24 EMPC-J	169	6.25 U	1840	6.65 U	32.9 J	658 J	3650
13B-0501-C1BS	0.5 - 1.5 ft	57.9	361	5.47 U	2400	5.83 U	49.8	1780 J	4980
13B-0501-C1CS	1.5 - 2.5 ft	149	577	9.79 U	6910	24.6 J	137	1920 J	13500
13B-0501-C1DS	2.5 - 3.07 ft	14.7 J	70.4	5.28 U	182	5.62 U	14.4 J	122 J	815
13B-0502-C2AS	0 - 0.5 ft	60.3	271	28.7 U	2460	31 U	57.7	815	3960
13B-0502-C2BS	0.5 - 1.5 ft	652	1530	67.3	13000	49.9 U	573	4830	36300
13B-0502-C2CS	1.5 - 2.45 ft	3320	11200	247	75900 J	221	2930	36000	145000 J
13B-0503-C1AS	0 - 0.5 ft	27.2 U	40.4	26.8 U	594	28.9 U	25.8 U	109 J	818
13B-0503-C1BS	0.5 - 1.5 ft	20.5 U	22.5 U	20.2 U	26.4 U	21.8 U	19.4 U	31.9 U	17.9 U
13B-0503-C1CS	1.5 - 2.5 ft	20.4 U	22.4 U	20.1 U	26.3 U	21.7 U	19.4 U	28 U	17.6 U
13B-0503-C1DS	2.5 - 2.5 ft	21.1 U	23.2 U	20.8 U	27.2 U	22.5 U	20.1 U	24.1 U	14 U
13B-0504-C4AS	0 - 0.5 ft	731 J	5530 J	75.1 J	17500 J	28.5 UJ	544 J	3390 J	39500 J
13B-0504-C4BS	0.5 - 1.5 ft	314 J	5870 J	105 J	8950 J	27.2 UJ	333 J	1830 J	17500 J
13B-0504-C4CS	1.5 - 2.5 ft	155	4650	61.6 EMPC-J	3400	14.9 J	226	612 J	5730
13B-0504-C4KS	9.5 - 10.25 ft	7.14 U	19 J	6.69 U	132	7.08 U	6.37 U	56.7 J	114
13B-0505-C1AS	0 - 0.5 ft	238 J	1210 J	35.3 UJ	12200 J	37.2 UJ	276 J	3680 J	16200 J
13B-0505-C1BS	0.5 - 1.5 ft	117 EMPC-J	901	31.8 U	3710	34.1 U	120	2810	6540
13B-0505-C1CS	1.5 - 2.5 ft	1390	3560	72 U	32500	161	1170	27500	68500
13B-0505-C1FS	4.5 - 5.2 ft	21.1 U	24.1 U	20.9 U	61.6	22.4 U	19.8 U	31.7 U	40.7 J
13B-0506-C2AS	0 - 0.5 ft	59.3	403	9.28 U	4340	9.74 U	64.7	975	5460
13B-0506-C2BS	0.5 - 1.5 ft	9.45 J	9.68 U	8.77 U	440	9.21 U	8.32 U	59.1 EMPC-J	695
13B-0506-C2CS	1.5 - 2.5 ft	8.74 U	9.35 U	8.47 U	35 J	8.89 U	8.04 U	19.9 J	57.7 J
13B-0507-C2AS	0 - 0.5 ft	3.64 U	8.21 J	3.48 U	110	3.71 U	3.37 U	25.9 J	174
13B-0507-C2BS	0.5 - 1.5 ft	3.11 U	3.31 U	2.97 U	4.92 EMPC-J	3.17 U	2.88 U	6.09 UJ	5.74 U
13B-0507-C2CS	1.5 - 2.5 ft	2.74 U	2.91 U	2.62 U	3.54 U	2.79 U	2.53 U	6.8 UJ	4.54 U
13B-0507-C2DS	2.5 - 3.5 ft	3.64 U	3.87 U	3.48 U	4.7 U	3.71 U	3.37 U	9.28 UJ	7.48 U
13B-0508-G3AS	0 - 0.5 ft	22.5 U	22.9 U	21.3 U	136 J	22.5 U	20.5 U	39.9 J	277
13B-0509-C1AS	0 - 0.5 ft	2470	5320	36.8 U	78500 J	373	2420	102000 J	119000 J
13B-0509-C1BS	0.5 - 1.5 ft	90.2	250	10.9 U	4810	11.3 U	10.5 U	2120	5380
13B-0509-C1CS	1.5 - 2.5 ft	13.1 U	24.2	12.8 U	64.2	13.2 U	12.2 U	44.9 J	31.9
13B-0509-C1ES	3.17 - 4.17 ft	18.7 U	30.6 EMPC-J	18.2 U	45.9	18.9 U	17.4 U	21.3 J	21.9 EMPC-J
13B-0510-C3AS	0 - 0.5 ft	559	784	8.18 U	10700	30.8	437	1870 J	26300

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	38.3 J	39.7 J	7.99 U	659	8.54 U	34.3 J	222 J	1910
13B-0511-C3AS	0 - 0.5 ft	219 J	1370 J	35.4 J	15700 J	44.9 J	267 J	2940 J	18000 J
13B-0511-C3BS	0.5 - 1.5 ft	220	1310	28.5 J	14100	38.8 J	251	3450	17200
13B-0511-C3CS	1.5 - 2.5 ft	1220	4860	11.9 U	62200	171	1240	19500	83600
13B-0511-C3HS	5.95 - 6.95 ft	1210	1250	10.7 U	23600	83.4	1000	5090	48800
13B-0512-G1AS	0 - 0.5 ft	151 J	812 J	20.7 J	9440 J	23.9 J	150 J	4210 J	12900 J
13B-0513-G1AS	0 - 0.5 ft	1160 J	8430 J	85.3 UJ	94300 J	263 J	1580 J	29100 J	111000 J
13B-0514-G1AS	0 - 0.5 ft	262 J	1030 J	25.9 J	11400 J	40.7 J	228 J	3700 J	16300 J
13B-0515-C1AS	0 - 0.5 ft	46.4 J	218	10.7 U	2780	11.4 U	47.3 J	448	3860
13B-0515-C1BS	0.5 - 1.71 ft	6.5 U	7.22 U	9.88 J	22.3 J	7.01 U	6.23 U	14.5 U	29.7 J
13B-0515-C2CS	1.5 - 2.19 ft	8.05 U	8.94 U	8.18 U	19.1 J	8.68 U	7.72 U	20 U	17.1 J
13B-0516-C2AS	0 - 0.5 ft	205 J	995 J	5.48 UJ	11100 J	34.4 J	258 J	2260 J	13700 J
13B-0516-C2BS	0.5 - 1.5 ft	723 J	2660 J	67.6 J	19200 J	50.1 J	746 J	5600 J	37200 J
13B-0516-C2CS	1.5 - 2.5 ft	2450 J	7540 J	151 J	52000 J	159 J	1690 J	32700 J	104000 J
13B-0516-C2LS	10.4 - 11.4 ft	1890	2690	10.3 U	54500	101	1240	23400	72200
13B-0517-G2AS	0 - 0.5 ft	6.82 U	7.52 U	6.37 U	382	6.73 U	6.52 U	53.1	662
13B-0518-G1AS	0 - 0.5 ft	30.4 J	212	10.7 U	2250	11.5 U	35.8 J	401 J	3130
13B-0518-G1AT	0 - 0.5 ft	47.3 J	232	10.5 U	2930	11.2 U	48.3 J	815 J	4060
13B-0519-C2AS	0 - 0.5 ft	153 J	810 J	11.5 UJ	8100 J	51.8 J	232 J	1680 J	12100 J
13B-0519-C2BS	0.5 - 1.5 ft	258	937	30.7 J	6720	50.2	330	1980	13600
13B-0519-C2CS	1.5 - 2.5 ft	3650 J	12000 J	31 UJ	107000 J	401 J	3600 J	27200 J	173000 J
13B-0519-C2RS	16.1 - 17.1 ft	8.81 U	9.72 U	8.23 U	85.7	8.7 U	8.42 U	14.2 U	62.6 J
13B-0520-G1AS	0 - 0.5 ft	145 J	1150 J	18.5 UJ	7750 J	19.5 UJ	134 EMPC-J	1600 J	12800 J
13B-0521-C2AS	0 - 0.5 ft	20.2 J	21600	154	1310	15.6 U	14.3 U	442	1930
13B-0521-C2BS	0.5 - 1.5 ft	12.3 U	92.2	12 U	650 J	12.7 U	11.6 U	219 EMPC-J	1010
13B-0521-C2CS	1.5 - 2.5 ft	22.5 J	142 EMPC-J	15.9 U	1530	16.8 U	15.4 U	352	2300
13B-0521-C2HS	6.5 - 7.63 ft	6840 J	19100 J	91.8 UJ	313000 J	773 J	5650 J	115000 J	395000 J
13B-0522-G1AS	0 - 0.5 ft	217 J	1410 J	39.9 J	12300 J	24.2 EMPC-J	218 J	2330 J	18900 J
13B-0522-G1AT	0 - 0.5 ft	203 J	1150 J	28 UJ	12500 J	29.6 UJ	206 J	2270 J	17600 J
13B-0523-G2AS	0 - 0.5 ft	219 J	1190 J	38.7 J	14200 J	53.9 J	294 J	3190 J	18100 J
13B-0524-C1AS	0 - 0.5 ft	156 J	919 J	35.5 J	9730 J	9.53 UJ	206 J	1840 J	15300 J
13B-0524-C1BS	0.5 - 1.5 ft	244	1270	36 J	13300	68.3	343	2460	22800

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	632	2460	65.8	21100	87.1	747	4270	38000
13B-0524-C1GS	5.39 - 6.39 ft	2130	7340	17.4 U	52800	291	1680	27900	96400
13B-0525-C1AS	0 - 0.5 ft	212 J	2410 J	38 J	13900 J	45.8 EMPC-J	112 J	2520 J	19400 J
13B-0525-C1BS	0.5 - 1.5 ft	284 J	1840 J	42.7 J	15800 J	67.1 J	156 J	2880 J	25800 J
13B-0525-C1CS	1.5 - 2.5 ft	610 J	3230 J	113 J	22100 J	94.8 EMPC-J	728 J	4310 J	37400 J
13B-0525-C1HS	6.42 - 7.42 ft	1390	4500	96.3	57200	232	1440	24700	79600
13B-0526-C1AS	0 - 0.5 ft	2440 J	9020 J	67.6 UJ	118000 J	223 J	2370 J	48000 J	169000 J
13B-0526-C1BS	0.5 - 1.5 ft	4780 J	15700 J	121 UJ	257000 J	437 J	4850 J	74800 J	404000 J
13B-0526-C1CS	1.5 - 2.5 ft	7730 J	19700 J	170 UJ	346000 J	451 J	5450 J	125000 J	427000 J
13B-0526-C1CT	1.5 - 2.5 ft	8210 J	23300 J	179 UJ	354000 J	417 J	5680 J	138000 J	432000 J
13B-0526-C1HS	6.5 - 7.62 ft	586	820	23.2 U	14300	44.8 J	428	6180 J	23800
13B-0527-C2AS	0 - 0.5 ft	11.1 U	64.9	11 U	999	12 U	10.5 U	129	1140
13B-0527-C2BS	0.5 - 1.5 ft	7.08 U	7.81 U	7.03 U	14.7 J	7.68 U	6.72 U	10.9 U	24.3 EMPC-J
13B-0527-C2CS	1.5 - 2.6 ft	5.76 U	6.35 U	5.72 U	7.8 U	6.25 U	5.47 U	14.7 U	6.13 U
13B-0528-C3AS	0 - 0.5 ft	519 J	2290 J	42.8 J	28100 J	48.7 J	487 J	4920 J	38300 J
13B-0528-C3BS	0.5 - 1.5 ft	8360 J	21700 J	180 UJ	323000 J	386 J	5310 J	94400 J	413000 J
13B-0528-C3CS	1.5 - 2.5 ft	887 J	7850 J	57.7 UJ	31200 J	61.7 UJ	586 J	9830 J	44100 J
13B-0528-C3LS	10.5 - 11.54 ft	16.4 U	17.8 U	16.1 U	130	17.2 U	15.3 U	47 J	204
13B-0529-C2AS	0 - 0.5 ft	64.5	445	11.7 U	2970	12.6 U	48 EMPC-J	1600 J	5560
13B-0529-C2BS	0.5 - 1.5 ft	7.24 J	22.4	5.34 U	336	5.77 U	5.16 U	72.1 J	507
13B-0529-C2CS	1.5 - 2.5 ft	5.03 U	5.22 U	4.71 U	64.4	5.09 U	4.56 U	21.3 J	118
13B-0529-C2ES	3.5 - 4.2 ft	7.14 U	7.41 U	6.69 U	8.9 U	7.22 U	6.46 U	20.2 UJ	7.68 U
13B-0530-C1AS	0 - 0.5 ft	45.6 EMPC-J	168	23.2 U	2120	25.1 U	22.6 U	883	3910
13B-0530-C1BS	0.5 - 1.5 ft	1020	2990	66.2 U	26400	71.6 U	922	15200	44800
13B-0530-C1CS	1.5 - 1.8 ft	214	722	37 U	5630	40 U	213	9600	9220
13B-0531-C2AS	0 - 0.5 ft	16.1 EMPC-J	7.17 U	6.06 U	1030	6.8 U	6.14 U	283	1580
13B-0531-C2AT	0 - 0.5 ft	17.2 J	87.1	6.71 U	1080	7.53 U	6.8 U	304	1720
13B-0531-C2BS	0.5 - 1.5 ft	36.1 J	136	6.13 U	2250 J	6.89 U	70.6	107 U	5380 J
13B-0531-C2CS	1.5 - 2.5 ft	5.15 U	5.69 U	4.75 U	15.8 EMPC-J	5.21 U	4.78 U	5.24 U	27.4 J
13B-0531-C2ES	3.5 - 4.42 ft	5.1 U	5.63 U	4.7 U	6.49 U	5.16 U	4.74 U	6.23 U	4.72 U
13B-0532-C1AS	0 - 0.5 ft	10.5 U	158	10.3 U	2050	11 U	37.6 J	763 J	2970
13B-0532-C1BS	0.5 - 1.5 ft	13.2 U	30.3 J	12.9 U	322	13.8 U	12.4 U	163 J	776

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	7.86 U	8.52 U	7.72 U	68.2	8.22 U	7.39 U	30.2 J	70.3 J
13B-0532-C1DS	2.5 - 3.73 ft	8.6 U	9.31 U	8.44 U	11.4 U	8.99 U	8.09 U	14.3 UJ	8.69 U
13B-0533-C2AS	0 - 0.5 ft	361 J	1630 J	19.4 UJ	24600 J	93.9 J	417 J	5160 J	33600 J
13B-0533-C2AT	0 - 0.5 ft	292 J	1620 J	9.88 UJ	20400 J	61.7 J	322 J	3860 J	26000 J
13B-0533-C2BS	0.5 - 1.5 ft	7880 J	18900 J	38.7 UJ	303000 J	527 J	5160 J	84900 J	382000 J
13B-0533-C2CS	1.5 - 2.5 ft	1260 J	4770 J	27.2 UJ	28600 J	29 UJ	805 J	7520 J	56900 J
13B-0533-C2JS	8.5 - 9.62 ft	24.2 J	81.5	15.3 EMPC-J	1670	11.1 U	20.6 J	228 J	1600
13B-0533-C2JT	8.5 - 9.62 ft	20.9 J	76.8	12.8 J	1510	13.2 U	14.4 J	217 J	1360
13B-0534-C2AS	0 - 0.5 ft	2220 J	12700 J	80.8 UJ	173000 J	407 J	2710 J	64500 J	223000 J
13B-0534-C2AT	0 - 0.5 ft	2170 J	13000 J	93.6 UJ	163000 J	222 J	2420 J	61200 J	208000 J
13B-0534-C2BS	0.5 - 1.5 ft	1470	6290	63.6	45300	96.5	1140	15900 J	77300
13B-0534-C2CS	1.5 - 2.5 ft	23.8 U	3200	25.7 EMPC-J	1070	24.3 U	49.1 J	381 J	1810
13B-0534-C2IS	7.5 - 8.59 ft	9.41 U	28.5 J	17.2 J	412	9.62 U	8.63 U	62.6 EMPC-J	473
13B-0535-C2AS	0 - 0.5 ft	244 J	1290 J	12.9 UJ	15700 J	65 J	314 J	3120 J	21100 J
13B-0535-C2BS	0.5 - 1.5 ft	17 U	18.4 U	15.8 U	262	17.6 U	16 U	43 J	434
13B-0535-C2CS	1.5 - 2.45 ft	13 U	14 U	12.3 U	20.9 J	13.2 U	12 U	23.3 U	45.2 J
13B-0536-C1AS	0 - 0.5 ft	114 J	792 J	21.6 J	7760 J	23.1 J	136 J	1500 J	9310 J
13B-0536-C1BS	0.5 - 1.5 ft	3.71 U	10.8 J	3.51 U	230	3.64 U	3.38 U	54.3	168
13B-0536-C1CS	1.5 - 2.5 ft	5.03 U	24.6 J	4.75 U	89.2	4.92 U	4.57 U	56.1	63.1 J
13B-0536-C1FS	4.28 - 5.28 ft	6.29 U	24.6 J	5.95 U	42 J	6.16 U	5.72 U	9.04 J	11.4 J
13B-0537-C3AS	0 - 0.5 ft	84.4	241	7.44 U	3180	22 J	69.1	762	6290
13B-0538-C3AS	0 - 0.5 ft	4610 J	33900 J	188 J	407000 J	519 J	4290 J	170000 J	418000 J
13B-0538-C3BS	0.5 - 1.5 ft	4190 J	27000 J	92 UJ	380000 J	489 J	3870 J	137000 J	391000 J
13B-0538-C3CS	1.5 - 2.5 ft	3390 J	22800 J	68.6 UJ	301000 J	429 EMPC-J	3200 J	132000 J	291000 J
13B-0538-C3ES	3.5 - 4.8 ft	15.8 U	16.5 U	15.2 U	70.4	16.2 U	14.7 U	65.1 J	63.7 J
13B-0539-C3AS	0 - 0.5 ft	1110	2060	15 U	26100	169	1010	12700	50200
13B-0539-C3AT	0 - 0.5 ft	1550	2970	16 U	38200	226	1450	18800	68800
13B-0539-C3BS	0.5 - 1.5 ft	68.9	7050	12.8 U	1880	14.2 U	12.8 U	1080	4260
13B-0539-C3CS	1.5 - 2.5 ft	31.6 J	511	24.5 J	1900	13.7 U	12.3 U	319	1750
13B-0539-C3HS	6.5 - 7.59 ft	5.88 U	6.59 U	5.52 U	8.14 U	6.09 U	5.5 U	9.25 U	6.01 U
13B-0540-C4AS	0 - 0.5 ft	167 J	933 J	33 J	12500 J	15.8 UJ	149 J	2160 J	17000 J
13B-0540-C4BS	0.5 - 1.5 ft	1150 J	3970 J	60.7 J	32900 J	53.4 EMPC-J	758 J	7540 J	45800 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	8260 J	21900 J	42.2 UJ	263000 J	386 J	4850 J	113000 J	319000 J
13B-0540-C4LS	10.3 - 11.25 ft	10.7 U	11.2 U	10.3 U	14 EMPC-J	10.9 U	9.77 U	13.7 UJ	16 EMPC-J
13B-0541-C1AS	0 - 0.5 ft	1210 J	2460 J	20.5 UJ	47500 J	137 J	946 J	15000 J	52000 J
13B-0541-C1BS	0.5 - 1.5 ft	1850	4940	50.3	70600	192	1340	25700 J	69000
13B-0541-C1CS	1.5 - 2.5 ft	393	371	10.2 U	6750	40.2 J	294	1600	15200
13B-0541-C1FS	4.5 - 5.67 ft	13.7 U	14.8 U	12.7 U	18 U	14.1 U	12.9 U	29.6 UJ	14.7 U
13B-0542-C2AS	0 - 0.5 ft	14.6 U	59.6	13.8 U	340	14.8 U	13.4 U	121 EMPC-J	436
13B-0542-C2BS	0.5 - 1.5 ft	8.89 U	9.56 U	8.42 U	11 U	9.04 U	8.2 U	104 EMPC-J	8.69 U
13B-0542-C2CS	1.5 - 2.5 ft	18.4 U	19.8 U	17.4 U	22.7 U	18.7 U	17 U	92 EMPC-J	11.3 U
13B-0542-C2HS	6.5 - 7.55 ft	10 U	10.8 U	9.48 U	12.4 U	10.2 U	9.24 U	20.3 U	8.53 U
13B-0543-G1AS	0 - 0.5 ft	136 J	665 J	24.6 J	8840 J	16.7 EMPC-J	159 J	1860 J	11800 J
13B-0544-C2AS	0 - 0.5 ft	125 J	765 J	11.6 UJ	7640 J	46.8 J	218 J	1530 J	12000 J
13B-0544-C2BS	0.5 - 1.5 ft	179	853	13.7 U	9600	57.3	274	2310	16000
13B-0544-C2CS	1.5 - 2.5 ft	347	1590	53.5	17200	99.9	11.3 U	3310	25500
13B-0544-C2ES	3 - 3.97 ft	176	736	7.75 U	4330	29.2 EMPC-J	120	1350	10200
13B-0546-G2AS	0 - 0.5 ft	15.1 J	90.7	13.8 U	1090	14.6 U	13.2 U	1060 J	2630
13B-0547-C2AS	0 - 0.5 ft	7090 J	14600 J	220 UJ	276000 J	584 J	5760 J	88800 J	294000 J
13B-0547-C2BS	0.5 - 1.5 ft	2150 J	5090 J	73.4 UJ	58800 J	171 J	1680 J	29700 J	79600 J
13B-0547-C2CS	1.5 - 2.05 ft	21.8 J	76.3	14.1 U	791	14.8 U	13.4 U	250 J	1100
13B-0547-C2HS	6.5 - 7.15 ft	8.16 U	8.49 U	7.75 U	9.26 U	8.45 U	7.5 U	20.5 UJ	7.38 U
13B-0548-C1AS	0 - 0.5 ft	145	563	8.79 U	6190	30.9 J	137	2940	9080
13B-0548-C1BS	0.5 - 1.5 ft	129	495	11.6 U	5620	35.1 J	141	1780	8320
13B-0548-C1BT	0.5 - 1.5 ft	129	504	9.75 U	5620	10.3 U	131	1710	8530
13B-0548-C1CS	1.5 - 2.5 ft	379	1420	34.3 J	7470	45.3 J	402	2250	19000
13B-0548-C1IS	7.5 - 8.79 ft	12.5 U	14.2 U	12.2 U	16.4 U	13 U	11.8 U	22.6 U	11.8 U
13B-0549-C3AS	0 - 0.5 ft	81.8	552	10.6 U	5700	11.2 U	104	815	7720
13B-0549-C3BS	0.5 - 1.5 ft	14.7 U	18.9 J	14.3 U	19.4 U	15.1 U	13.7 U	20.8 U	12 U
13B-0549-C3CS	1.5 - 2.65 ft	10 U	11.1 U	9.72 U	30.4 J	10.3 U	9.31 U	39.5 J	9 U
13B-0550-C3AS	0 - 0.5 ft	91.1 J	1280 J	15.2 J	6520 J	19.9 J	97.8 J	1460 J	8410 J
13B-0550-C3BS	0.5 - 1.5 ft	54.9	156	6.3 U	1920	6.67 U	45.8	701 J	2920
13B-0550-C3CS	1.5 - 2.5 ft	5.67 U	5.69 U	5.32 U	7.1 U	5.63 U	5.06 U	5.81 UJ	4.92 U
13B-0550-C3FS	4.5 - 5.37 ft	5.2 U	5.22 U	4.88 U	6.51 U	5.16 U	4.65 U	7.27 UJ	4.13 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	284	637	19.3 U	9130	20.3 U	254	4620 J	13100
13B-0551-C2BS	0.5 - 0.88 ft	280	421	32.4 U	9080	34.1 U	224	2860 J	11000
13B-0552-C3AS	0 - 0.5 ft	270 J	2030 J	41.5 J	14800 J	77.2 J	337 J	2680 J	18600 J
13B-0552-C3BS	0.5 - 1.5 ft	792	3780	66.2 EMPC-J	22800	124	354	6790	41200
13B-0552-C3CS	1.5 - 2.38 ft	4150	15200	105 U	175000	546	4000	74100	218000
13B-0552-C3CT	1.5 - 2.38 ft	3890	10100	47.1 U	133000	365	3450	74000	189000
13B-0553-C2AS	0 - 0.5 ft	59.3 J	239	28.7 U	3020	30.6 U	53.3 J	675 J	4590
13B-0553-C2BS	0.5 - 1.5 ft	6.78 U	7.13 U	6.56 U	60	6.91 U	6.22 U	21.1 J	86.1
13B-0553-C2CS	1.5 - 2.5 ft	22.1 U	33.4 EMPC-J	21.3 U	56.6 EMPC-J	22.6 U	20.4 U	29.9 J	14.7 J
13B-0553-C2DS	2.5 - 3.5 ft	44.3 U	86.4 EMPC-J	42.8 U	88.4	45.3 U	40.9 U	19.2 UJ	16.4 U
13B-0554-C1AS	0 - 0.5 ft	74.7	317	8.77 U	3490	17	33.1	1190	5250
13B-0554-C1BS	0.5 - 1.5 ft	169	1240	26.5 EMPC-J	12600	35.6	96.4	2300	15700
13B-0554-C1CS	1.5 - 2.5 ft	451	2140	39.5	14300	86.6	130	5280	25000
13B-0554-C1ES	3.5 - 4.7 ft	8.4 U	9.43 U	8.39 U	17.2	8.85 U	8.24 U	10.8 U	9.54 U
13B-0555-C1AS	0 - 0.5 ft	10500 J	23200 J	173 UJ	292000 J	423 J	5630 J	118000 J	450000 J
13B-0555-C1BS	0.5 - 1.22 ft	4440	6340	109	98700 J	142 EMPC-J	2370	26600 J	140000
13B-0555-C2CS	1.5 - 2 ft	14300 J	30000 J	250 UJ	471000 J	611 J	8230 J	198000 J	649000 J
13B-0555-C2DS	2 - 3 ft	5390 J	10000 J	110 UJ	144000 J	173 EMPC-J	3160 J	46100 J	208000 J
13B-0556-C2AS	0 - 0.5 ft	144 J	927 J	12.3 UJ	8670 J	22.5 J	142 J	1470 J	13400 J
13B-0556-C2BS	0.5 - 1.5 ft	221	1390	53.1	10300	21.8 U	205	1370 J	18900
13B-0556-C2CS	1.5 - 2.38 ft	104	754	13.5 U	7460	14.6 U	100	1570 J	9140
13B-0557-C2AS	0 - 0.5 ft	282 J	1790 J	8.66 UJ	12100 J	36.3 J	291 J	3180 J	16500 J
13B-0557-C2BS	0.5 - 1.5 ft	240 J	1930 J	54.1 J	12400 J	43.5 J	261 J	2560 J	16700 J
13B-0557-C2CS	1.5 - 2.5 ft	1220	3390	96	26600	120	906	11400	54600
13B-0557-C2ES	3.5 - 4.5 ft	1600	10400	83.4	51500	118	1190	19500	67700
13B-0558-C2AS	0 - 0.5 ft	210 J	1060 J	18.9 UJ	4850 J	19.9 UJ	182 J	1980 J	12800 J
13B-0558-C2BS	0.5 - 1.5 ft	139	432	15.2 U	1750 J	16 U	129	848 J	6720
13B-0558-C2CS	1.5 - 2.5 ft	9.24 U	9.52 U	8.8 U	68.2 J	9.28 U	8.41 U	26.9 J	137
13B-0558-C2FS	4.5 - 5.75 ft	11.3 U	11.6 U	10.8 U	11.5 UJ	11.3 U	10.3 U	8.11 UJ	13.5 U
13B-0559-C3AS	0 - 0.5 ft	66.9	573	17.7 U	4340	19.4 U	77.6	1070	5090
13B-0559-C3BS	0.5 - 1.5 ft	240 J	1430 J	28.5 UJ	9890 J	31.3 UJ	255 J	2470 J	14800 J
13B-0559-C3CS	1.5 - 2.5 ft	597	4340	58.6	22300	46.5 U	520	10900	32200

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Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
Maximum Detect		14300	33900	247	471000	795	8230	275000	649000
Mean of Detects		1310	3890	58.2	40000	177	1120	16700	54100
St. Dev. of Detects		2350	6540	44.9	87000	179	1680	37700	107000
CV of Detects		1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
% Detected		69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	1210	3960	79.6	46700 J	132	1110	23000	60900
13B-0560-C1AS	0 - 0.5 ft	28.7 J	254	24.3 U	2800	25.6 U	35.2 J	1030	3450
13B-0560-C1BS	0.5 - 1.5 ft	161	1060	36.7 U	9170	38.6 U	180	3380	12700
13B-0560-C1CS	1.5 - 2.5 ft	306 J	1790 J	42.4 UJ	12600 J	44.7 UJ	328 J	13100 J	20600 J
13B-0560-C1GS	5.14 - 5.86 ft	13.4 U	14.9 U	13.1 U	48.1 J	13.8 U	12.5 U	392	91.6 J
13B-0561-C1AS	0 - 0.5 ft	4190	6800	135 U	113000	280 EMPC-J	2990	41600	144000
13B-0561-C1BS	0.5 - 1.5 ft	2590	3920	87.8 U	82500	152 EMPC-J	1850	28000	82600
13B-0561-C1CS	1.5 - 2.5 ft	2710	2490	78.5 U	38000	222	1250	4430	108000
13B-0561-C1GS	5.5 - 6.5 ft	16.9 U	18.4 U	16.1 U	21.9 U	17.3 U	15.6 U	22.7 U	16 U
13B-0562-G2AS	0 - 0.5 ft	23.9 EMPC-J	189	18.6 U	2180	19.9 U	17.6 U	803	3900
13B-0563-C2AS	0 - 0.5 ft	19.5 J	77.7	11.2 U	851	11.7 U	10.6 U	446 J	1190

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	20 J	76.5	9.32 U	1150	9.8 U	8.86 U	477 J	1890
13B-0563-C2BS	0.5 - 1.1 ft	10.4 U	11.6 U	10.2 U	428	10.7 U	9.71 U	232 J	739
13B-0563-C2CS	1.1 - 2.5 ft	11200 J	29300 J	346 UJ	459000 J	795 J	8010 J	275000 J	433000 J
13B-0563-C2IS	7.5 - 8.28 ft	43.7	164	13.3 U	1440	14.2 U	31.8 J	620 J	2180
13B-0564-G2AS	0 - 0.5 ft	348 J	2270 J	40.8 UJ	24700 J	76.4 J	451 J	4950 J	27300 J
13B-0565-G1AS	0 - 0.5 ft	29.9 U	232	29.7 U	3180	31.8 U	67.6	509	4250
13B-0566-G3AS	0 - 0.5 ft	96.1	188	21.7 U	2330	23.3 U	76.4	1300	8150
13B-0567-G2AS	0 - 0.5 ft	209 J	1250 J	34.7 J	12200 J	21.4 UJ	210 J	2340 J	18200 J
13B-0568-G2AS	0 - 0.5 ft	2230 J	3740 J	84.5 UJ	76400 J	187 J	1630 J	25700 J	79400 J
13B-0570-G3AS	0 - 0.5 ft	192 J	1010 J	4.77 UJ	11900 J	51.3 J	259 J	2260 J	14400 J
13B-0571-C3AS	0 - 0.5 ft	46.7 J	341	3.77 U	3130	9.01 EMPC-J	3.73 U	633	3940
13B-0571-C3BS	0.5 - 1.5 ft	7.21 J	199	2.13 U	1750	2.32 U	10.5 EMPC-J	232	1190
13B-0571-C3CS	1.5 - 2.5 ft	2.04 U	45.1 J	78.5	104	2.07 U	1.88 U	8.34 J	36.1 J
13B-0571-C3MS	11 - 12 ft	2.2 U	2.41 U	2.06 U	2.96 U	2.23 U	2.03 U	3.94 U	2.01 U
13B-0572-C1AS	0 - 0.5 ft	18.2 U	60.1	17.7 U	290	18.7 U	16.8 U	223	372
13B-0572-C1BS	0.5 - 1.5 ft	29.3 U	90 EMPC-J	28.5 U	45.7 J	30.2 U	27.1 U	37 U	25.8 U
13B-0572-C1CS	1.5 - 2.27 ft	20.2 U	22.5 U	19.7 U	27.1 U	20.8 U	18.7 U	23.4 U	17.3 U
13B-0573-C2AS	0 - 0.5 ft	95.2	430	62.8	4490	23.2 U	146	2400	6600
13B-0573-C2BS	0.5 - 1.5 ft	31.4 J	150 EMPC-J	18.3 U	2120	19.4 U	17.4 U	845	2130
13B-0573-C2CS	1.5 - 2.5 ft	351	2160	43.9 U	11300	46.5 U	306	3650	17600
13B-0573-C2DS	2.5 - 3.75 ft	18.1 U	19.7 U	17.2 U	77.3 EMPC-J	18.5 U	16.7 U	23.9 U	102
13B-0574-C2AS	0 - 0.5 ft	797	2370	9.33 U	36300	105	617	12500	39100
13B-0574-C2BS	0.5 - 1.5 ft	694	1680	7.52 U	30400	83.6	544	11600	34000
13B-0574-C2CS	1.5 - 2.5 ft	847	3130	10.7 U	40700	129	758	13600	53000
13B-0574-C2HS	6.4 - 7.4 ft	2190	4190	13.5 U	73500	126	1370	34700	86200
13B-0575-C4AS	0 - 0.5 ft	4680 J	16000 J	58.4 UJ	159000 J	466 J	4350 J	63500 J	246000 J
13B-0575-C4BS	0.5 - 1.5 ft	2390	5700	78.6	79800	242	2070	37000	111000
13B-0575-C4CS	1.5 - 2.5 ft	17.1 U	18.6 U	16.6 U	126	17.4 U	16.3 U	384	97.1
13B-0575-C4FS	4.3 - 5.44 ft	10.3 U	11.2 U	9.99 U	25 EMPC-J	10.5 U	9.79 U	8.18 U	14.5 EMPC-J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-34	PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.21	8.21	6.45	4.92	9.01	10.5	8.34	11.4
	Maximum Detect	14300	33900	247	471000	795	8230	275000	649000
	Mean of Detects	1310	3890	58.2	40000	177	1120	16700	54100
	St. Dev. of Detects	2350	6540	44.9	87000	179	1680	37700	107000
	CV of Detects	1.79	1.68	0.771	2.18	1.01	1.50	2.26	1.98
	% Detected	69.3	77.7	23.5	90.3	41.2	62.6	84.0	87.8
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	26.2 J	479 J	21.3 EMPC-J	2780 J	16.2 UJ	48.9 J	380 J	4060 J
13B-0578-C5AS	0 - 0.5 ft	20.2 J	8 U	6.87 U	866	7.47 U	6.9 U	389	1190
13B-0578-C5BS	0.5 - 1.5 ft	82.4	85.9	6.45 EMPC-J	1990	4.98 U	25.7 EMPC-J	493	3080
13B-0578-C5CS	1.5 - 2.5 ft	11 U	12 U	10.2 U	97	11.1 U	10.3 U	39.8 U	197
13B-0578-C5CT	1.5 - 2.5 ft	8.86 U	19.8 J	8.21 U	116	8.94 U	8.29 U	26.3 J	221
13B-0578-C5GS	5.25 - 6.25 ft	6.79 U	7.43 U	6.3 U	19.7 EMPC-J	6.86 U	6.35 U	8.38 U	6.29 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	378	1800	199	15500	675	423	15500	971
13B-0501-C1BS	0.5 - 1.5 ft	570	2710	318	11900	967	700	11900	1570
13B-0501-C1CS	1.5 - 2.5 ft	1710	7210	911	35200	3470	1770	35200	4840
13B-0501-C1DS	2.5 - 3.07 ft	43.9 J	1130	62.1	6830	125	62.3	6830	211
13B-0502-C2AS	0 - 0.5 ft	465	2210	324	9530	1120	600	9530	1470
13B-0502-C2BS	0.5 - 1.5 ft	1980	19900	2430	104000	6690	5350	104000	10500
13B-0502-C2CS	1.5 - 2.45 ft	7960	83400 J	10200	387000 J	35600	22200	387000 J	51600 J
13B-0503-C1AS	0 - 0.5 ft	88 EMPC-J	475	71.4 EMPC-J	1980 U	196	107	1980 U	321
13B-0503-C1BS	0.5 - 1.5 ft	22 U	19.7 U	23 U	58.2 U	21.6 U	22.6 U	58.2 U	18.4 U
13B-0503-C1CS	1.5 - 2.5 ft	21.7 U	19.3 U	22.6 U	17.1 U	21.2 U	22.2 U	17.1 U	18.1 U
13B-0503-C1DS	2.5 - 2.5 ft	17.3 U	15.4 U	18 U	13.6 U	16.9 U	17.7 U	13.6 U	14.4 U
13B-0504-C4AS	0 - 0.5 ft	3020 J	28300 J	3260 J	114000 J	10900 J	5210 J	114000 J	17900 J
13B-0504-C4BS	0.5 - 1.5 ft	1490 J	13000 J	1350 J	63800 J	4520 J	1920 J	63800 J	7370 J
13B-0504-C4CS	1.5 - 2.5 ft	394	4550	420	21700	1220	627	21700	2310
13B-0504-C4KS	9.5 - 10.25 ft	14.7 J	69.1	6.73 U	282	35.7	15.4 J	282	44.4
13B-0505-C1AS	0 - 0.5 ft	1720 J	9260 J	1120 J	43500 J	3200 J	2170 J	43500 J	5540 J
13B-0505-C1BS	0.5 - 1.5 ft	429	3600	410	16900	1570	885	16900	1950
13B-0505-C1CS	1.5 - 2.5 ft	7550	39800	5560	174000	17800	10700	174000	26900
13B-0505-C1FS	4.5 - 5.2 ft	28.7 U	25.6 U	28.3 U	83 J	27.1 U	28.2 U	83 J	23.4 U
13B-0506-C2AS	0 - 0.5 ft	636	3020	385	13800	1100	591	13800	1870
13B-0506-C2BS	0.5 - 1.5 ft	68.9	385	52.7	1560	166	80.8	1560	258
13B-0506-C2CS	1.5 - 2.5 ft	6.31 EMPC-J	32.9 J	6.66 U	123 J	10.3 EMPC-J	6.15 U	123 J	18.1 J
13B-0507-C2AS	0 - 0.5 ft	22.8 J	94.4	13.4 J	406	34.3 EMPC-J	23.8 J	406	58.4
13B-0507-C2BS	0.5 - 1.5 ft	7.31 U	6.45 U	6.65 U	213	6.1 U	6.88 U	213	5.77 U
13B-0507-C2CS	1.5 - 2.5 ft	5.78 U	5.1 U	5.26 U	4.22 U	4.83 U	5.44 U	4.22 U	4.56 U
13B-0507-C2DS	2.5 - 3.5 ft	9.53 U	8.4 U	8.67 U	77.7 J	7.95 U	8.96 U	77.7 J	7.51 U
13B-0508-G3AS	0 - 0.5 ft	32.9	156	25.2 U	632	70.7	46.9	632	93.3
13B-0509-C1AS	0 - 0.5 ft	19400	74600 J	9680	255000 J	44800 J	18300	255000 J	56000 J
13B-0509-C1BS	0.5 - 1.5 ft	1020	3440	452	11400	2180	861	11400	2830
13B-0509-C1CS	1.5 - 2.5 ft	14.6 U	18.6 EMPC-J	15.1 U	78	14.6 U	15.6 U	78	12.9 U
13B-0509-C1ES	3.17 - 4.17 ft	17.6 U	17.2 U	18.3 U	58.5 U	17.7 U	18.9 U	58.5 U	15.6 U
13B-0510-C3AS	0 - 0.5 ft	1570	17000	2050	63800	10900	3910	63800	11400

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	162	1200	139	4770	708	262	4770	736
13B-0511-C3AS	0 - 0.5 ft	1720 J	10200 J	1230 J	42900 J	4160 J	2120 J	42900 J	6260 J
13B-0511-C3BS	0.5 - 1.5 ft	1640	10000	1170	39200	4260	2050	39200	6100
13B-0511-C3CS	1.5 - 2.5 ft	15800	51300	7120	170000	29400	12400	170000	40300
13B-0511-C3HS	5.95 - 6.95 ft	2810	31500	2860	99200	16700	6850	99200	20300
13B-0512-G1AS	0 - 0.5 ft	1460 J	7680 J	1060 J	32300 J	4950 J	1630 J	32300 J	4710 J
13B-0513-G1AS	0 - 0.5 ft	24800 J	63800 J	9670 J	229000 J	37400 J	16000 J	229000 J	55300 J
13B-0514-G1AS	0 - 0.5 ft	1590 J	10200 J	1350 J	40400 J	6660 J	2250 J	40400 J	6410 J
13B-0515-C1AS	0 - 0.5 ft	451	2290	269	9370	986	472	9370	1550
13B-0515-C1BS	0.5 - 1.71 ft	6.99 U	18.9 J	6.15 U	63.1 J	6.14 U	6.56 U	63.1 J	10.1 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	8.83 U	9.87 J	7.77 U	43.2 J	7.76 U	8.29 U	43.2 J	7.09 U
13B-0516-C2AS	0 - 0.5 ft	1350 J	8450 J	846 J	32100 J	2740 J	1660 J	32100 J	4780 J
13B-0516-C2BS	0.5 - 1.5 ft	3020 J	25600 J	2100 J	91800 J	8860 J	5010 J	91800 J	13200 J
13B-0516-C2CS	1.5 - 2.5 ft	9680 J	70000 J	10200 J	234000 J	33900 J	15500 J	234000 J	49000 J
13B-0516-C2LS	10.4 - 11.4 ft	6660	50300	7030	165000	26300	10900	165000	37800
13B-0517-G2AS	0 - 0.5 ft	58.8	397	40.4	1390	206	96.4	1390	138
13B-0518-G1AS	0 - 0.5 ft	378	1820	285	7510	726	393	7510	1100
13B-0518-G1AT	0 - 0.5 ft	540	2360	295	9880	1130	543	9880	1440
13B-0519-C2AS	0 - 0.5 ft	1220 J	7390 J	817 J	29100 J	2750 J	1510 J	29100 J	4300 J
13B-0519-C2BS	0.5 - 1.5 ft	777	8330	697	31300	3360	1790	31300	4150
13B-0519-C2CS	1.5 - 2.5 ft	29200 J	113000 J	16700 J	374000 J	65400 J	26000 J	374000 J	91600 J
13B-0519-C2RS	16.1 - 17.1 ft	16.8 J	32.7 J	14.4 U	138 J	13.8 U	14.7 U	138 J	14.7 EMPC-J
13B-0520-G1AS	0 - 0.5 ft	1650 J	7690 J	967 J	32300 J	3200 J	1600 J	32300 J	4930 J
13B-0521-C2AS	0 - 0.5 ft	177	1010	117	4510	475	250	4510	577
13B-0521-C2BS	0.5 - 1.5 ft	105	578	72.4	2580	178	133 EMPC-J	2580	303
13B-0521-C2CS	1.5 - 2.5 ft	252	1300	165 EMPC-J	5690	593	289	5690	774
13B-0521-C2HS	6.5 - 7.63 ft	70100 J	238000 J	38400 J	837000 J	147000 J	58500 J	837000 J	215000 J
13B-0522-G1AS	0 - 0.5 ft	2460 J	11500 J	1440 J	48200 J	4720 J	2390 J	48200 J	7110 J
13B-0522-G1AT	0 - 0.5 ft	2380 J	10600 J	1400 J	45800 J	4760 J	2210 J	45800 J	6730 J
13B-0523-G2AS	0 - 0.5 ft	2510 J	10800 J	1370 J	45900 J	4290 J	2360 J	45900 J	6920 J
13B-0524-C1AS	0 - 0.5 ft	1770 J	9250 J	1170 J	37400 J	4500 J	2000 J	37400 J	5570 J
13B-0524-C1BS	0.5 - 1.5 ft	2340	14000	1630	55400	6060	2910	55400	8030

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	1770	24400	1960	90700	11700	5180	90700	12800
13B-0524-C1GS	5.39 - 6.39 ft	10200	62800	10400	210000	38700	13900	210000	45900
13B-0525-C1AS	0 - 0.5 ft	2240 J	11700 J	1260 J	47900 J	4450 J	2430 J	47900 J	7280 J
13B-0525-C1BS	0.5 - 1.5 ft	1830 J	15700 J	1560 J	62000 J	6010 J	3160 J	62000 J	9130 J
13B-0525-C1CS	1.5 - 2.5 ft	1750 J	21200 J	1730 J	83700 J	7990 J	4360 J	83700 J	11000 J
13B-0525-C1HS	6.42 - 7.42 ft	12900	50700	7030	174000	28700	12000	174000	41000
13B-0526-C1AS	0 - 0.5 ft	35500 J	105000 J	16400 J	375000 J	61500 J	26100 J	375000 J	90300 J
13B-0526-C1BS	0.5 - 1.5 ft	83300 J	245000 J	37500 J	870000 J	143000 J	62400 J	870000 J	209000 J
13B-0526-C1CS	1.5 - 2.5 ft	80900 J	268000 J	40800 J	900000 J	161000 J	70900 J	900000 J	223000 J
13B-0526-C1CT	1.5 - 2.5 ft	73400 J	267000 J	39800 J	902000 J	145000 J	71100 J	902000 J	227000 J
13B-0526-C1HS	6.5 - 7.62 ft	824	16200	1790	53700	8150	3540	53700	11000
13B-0527-C2AS	0 - 0.5 ft	137	656	112	2740	268	130	2740	425
13B-0527-C2BS	0.5 - 1.5 ft	8.33 U	13.7 J	8.5 U	62.9 J	8.45 U	8.39 U	62.9 J	7.03 U
13B-0527-C2CS	1.5 - 2.6 ft	7.18 U	6.65 U	7.32 U	25.2 EMPC-J	7.28 U	7.23 U	25.2 EMPC-J	6.06 U
13B-0528-C3AS	0 - 0.5 ft	7660 J	23700 J	3250 J	90200 J	13800 J	5440 J	90200 J	18400 J
13B-0528-C3BS	0.5 - 1.5 ft	80500 J	274000 J	45800 J	1010000 J	168000 J	71700 J	1010000 J	242000 J
13B-0528-C3CS	1.5 - 2.5 ft	7700 J	30000 J	4460 J	128000 J	17900 J	7320 J	128000 J	23500 J
13B-0528-C3LS	10.5 - 11.54 ft	17.7 U	133	16.4 U	681	28.4 EMPC-J	17.1 U	681	40.3 J
13B-0529-C2AS	0 - 0.5 ft	785	3190	392	13100	1980	928	13100	1900
13B-0529-C2BS	0.5 - 1.5 ft	52.2	293	35.3	1140	123	63.3 EMPC-J	1140	161
13B-0529-C2CS	1.5 - 2.5 ft	9.67 U	69	8.62 U	354	28.6 EMPC-J	14.2	354	39.6
13B-0529-C2ES	3.5 - 4.2 ft	9.79 U	8.61 U	8.73 U	7.29 U	8.62 U	9.31 U	7.29 U	7.71 U
13B-0530-C1AS	0 - 0.5 ft	335	2020	258	7710	568	679	7710	937
13B-0530-C1BS	0.5 - 1.5 ft	3870	27400	2640	103000	11400	7820	103000	14300
13B-0530-C1CS	1.5 - 1.8 ft	426	5380	373	19400	2180	1630	19400	2380
13B-0531-C2AS	0 - 0.5 ft	149	904	104	3650	424	266	3650	475
13B-0531-C2AT	0 - 0.5 ft	163	893	92.8	5440	433	244	5440	459
13B-0531-C2BS	0.5 - 1.5 ft	495	3200 J	314	11000 J	784 J	565	11000 J	1770 J
13B-0531-C2CS	1.5 - 2.5 ft	6.28 J	16.1 J	4.99 U	53.5 U	4.3 U	4.88 U	53.5 U	9.83 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	5.62 U	5.17 U	5.91 U	4.45 U	5.09 U	5.77 U	4.45 U	4.77 U
13B-0532-C1AS	0 - 0.5 ft	256	1670	171	7140	548	394	7140	862
13B-0532-C1BS	0.5 - 1.5 ft	49.1 J	434	43 J	1840	188	112	1840	210

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	8.69 U	40.3 J	8.78 U	148	15.8 EMPC-J	8.6 U	148	20.8 EMPC-J
13B-0532-C1DS	2.5 - 3.73 ft	10.1 U	9.36 U	10.2 U	8.08 U	8.73 U	9.97 U	8.08 U	8.57 U
13B-0533-C2AS	0 - 0.5 ft	5770 J	20200 J	2670 J	78200 J	8740 J	4370 J	78200 J	14900 J
13B-0533-C2AT	0 - 0.5 ft	4010 J	16100 J	2260 J	61400 J	8550 J	3300 J	61400 J	11100 J
13B-0533-C2BS	0.5 - 1.5 ft	65400 J	247000 J	40500 J	833000 J	169000 J	62700 J	833000 J	212000 J
13B-0533-C2CS	1.5 - 2.5 ft	6240 J	39500 J	5300 J	146000 J	24900 J	8890 J	146000 J	29200 J
13B-0533-C2JS	8.5 - 9.62 ft	231	991	114	4010	547	205	4010	668
13B-0533-C2JT	8.5 - 9.62 ft	205	842	93.5	3460	495	172	3460	556
13B-0534-C2AS	0 - 0.5 ft	52500 J	132000 J	21600 J	482000 J	93400 J	35900 J	482000 J	115000 J
13B-0534-C2AT	0 - 0.5 ft	49400 J	125000 J	20300 J	453000 J	85200 J	33500 J	453000 J	110000 J
13B-0534-C2BS	0.5 - 1.5 ft	8540	50000	7180	177000	31000	12000	177000	38200
13B-0534-C2CS	1.5 - 2.5 ft	132	1280	94.9	7330	340	150	7330	538
13B-0534-C2IS	7.5 - 8.59 ft	55.1	260	43.4 J	1200	135	52.2	1200	173
13B-0535-C2AS	0 - 0.5 ft	2630 J	12600 J	1590 J	49300 J	5990 J	2750 J	49300 J	8470 J
13B-0535-C2BS	0.5 - 1.5 ft	35.5 EMPC-J	282	20.9 EMPC-J	1230	119	52.5	1230	151
13B-0535-C2CS	1.5 - 2.45 ft	12.2 U	25.6 EMPC-J	12.3 U	103 J	11.9 U	13 U	103 J	16.7 J
13B-0536-C1AS	0 - 0.5 ft	1030 J	5600 J	739 J	22200 J	2410 J	1130 J	22200 J	3390 J
13B-0536-C1BS	0.5 - 1.5 ft	19.7 J	110	13.3 J	356	53.8	20.5 J	356	71.6
13B-0536-C1CS	1.5 - 2.5 ft	16.2 J	42 J	8.79 J	183	28 J	9.45 J	183	36.9 J
13B-0536-C1FS	4.28 - 5.28 ft	4.68 U	7.1 EMPC-J	4.82 U	26.4 EMPC-J	4.46 U	4.59 U	26.4 EMPC-J	6.19 EMPC-J
13B-0537-C3AS	0 - 0.5 ft	550	3720	471	13600	1830	952	13600	1930
13B-0538-C3AS	0 - 0.5 ft	113000 J	245000 J	43500 J	935000 J	177000 J	63600 J	935000 J	224000 J
13B-0538-C3BS	0.5 - 1.5 ft	101000 J	235000 J	40700 J	895000 J	162000 J	59100 J	895000 J	215000 J
13B-0538-C3CS	1.5 - 2.5 ft	83900 J	177000 J	29700 J	658000 J	127000 J	46300 J	658000 J	163000 J
13B-0538-C3ES	3.5 - 4.8 ft	18.2 J	34.7 EMPC-J	14.3 U	134 J	32.9 J	13.9 U	134 J	35.9 EMPC-J
13B-0539-C3AS	0 - 0.5 ft	3170	32800	3210	109000	16500	6760	109000	21700
13B-0539-C3AT	0 - 0.5 ft	3300	44200	4500	146000	23200	9200	146000	29900
13B-0539-C3BS	0.5 - 1.5 ft	186	2790	187	12200	725	356	12200	1140
13B-0539-C3CS	1.5 - 2.5 ft	134	1160	90	4280	386	182	4280	597
13B-0539-C3HS	6.5 - 7.59 ft	6.88 U	6.69 U	7.12 U	5.54 U	6.95 U	7.34 U	5.54 U	6.09 U
13B-0540-C4AS	0 - 0.5 ft	2190 J	10400 J	1270 J	43600 J	4640 J	2080 J	43600 J	6610 J
13B-0540-C4BS	0.5 - 1.5 ft	3350 J	29700 J	4090 J	102000 J	15600 J	6190 J	102000 J	20600 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	48000 J	203000 J	34900 J	741000 J	129000 J	48600 J	741000 J	173000 J
13B-0540-C4LS	10.3 - 11.25 ft	16.4 U	15.3 U	15.7 U	30.3 J	16.6 U	16.1 U	30.3 J	14 U
13B-0541-C1AS	0 - 0.5 ft	6130 J	32300 J	4600 J	107000 J	22000 J	8710 J	107000 J	26400 J
13B-0541-C1BS	0.5 - 1.5 ft	7920	43200	6210	137000	30200	11600	137000	37100
13B-0541-C1CS	1.5 - 2.5 ft	10.7 U	9530	1240	31700	5520	2350	31700	6240
13B-0541-C1FS	4.5 - 5.67 ft	17.1 U	16 U	17 U	13.8 U	16.7 U	18 U	13.8 U	14.7 U
13B-0542-C2AS	0 - 0.5 ft	66.5	296	37.8 J	1040	161	66.6	1040	221
13B-0542-C2BS	0.5 - 1.5 ft	10.1 U	9.59 U	10.1 U	17.8 J	9.83 U	10.7 U	17.8 J	8.69 U
13B-0542-C2CS	1.5 - 2.5 ft	13.1 U	12.5 U	13.2 U	155	12.8 U	13.9 U	155	11.3 U
13B-0542-C2HS	6.5 - 7.55 ft	9.9 U	9.41 U	9.96 U	7.98 U	9.65 U	10.5 U	7.98 U	8.53 U
13B-0543-G1AS	0 - 0.5 ft	1790 J	7340 J	966 J	26100 J	3540 J	1610 J	26100 J	4520 J
13B-0544-C2AS	0 - 0.5 ft	1380 J	7230 J	905 J	27000 J	3480 J	1630 J	27000 J	4600 J
13B-0544-C2BS	0.5 - 1.5 ft	1640	9430	1140	36900	4100	2210	36900	5830
13B-0544-C2CS	1.5 - 2.5 ft	2270	15600	1670	56800	7080	3360	56800	9510
13B-0544-C2ES	3 - 3.97 ft	839	9090	672	26700	2930	1420	26700	11 U
13B-0546-G2AS	0 - 0.5 ft	250	1180	102	21700	731	568	21700	559
13B-0547-C2AS	0 - 0.5 ft	41400 J	188000 J	30200 J	636000 J	123000 J	44500 J	636000 J	157000 J
13B-0547-C2BS	0.5 - 1.5 ft	4830 J	54300 J	6910 J	183000 J	30200 J	11600 J	183000 J	39700 J
13B-0547-C2CS	1.5 - 2.05 ft	86	634	76.8	2270	303	120	2270	405
13B-0547-C2HS	6.5 - 7.15 ft	8.3 U	7.79 U	8.92 U	207	7.62 U	8.63 U	207	7.28 U
13B-0548-C1AS	0 - 0.5 ft	882	5350	679	21700	2420	1400	21700	3260
13B-0548-C1BS	0.5 - 1.5 ft	900	5040	622	20400	2370	1210	20400	3140
13B-0548-C1BT	0.5 - 1.5 ft	970	5010	616	19700	2130	1200	19700	3110
13B-0548-C1CS	1.5 - 2.5 ft	1310	11700	1210	42900	4790	2410	42900	6610
13B-0548-C1IS	7.5 - 8.79 ft	13.9 U	12.9 U	14.9 U	11.1 U	12.4 U	14.3 U	11.1 U	11.8 U
13B-0549-C3AS	0 - 0.5 ft	777	4720	565	18600	1960	960	18600	2760
13B-0549-C3BS	0.5 - 1.5 ft	14.4 U	13.4 U	15.1 U	27 J	13.1 U	15.1 U	27 J	12.3 U
13B-0549-C3CS	1.5 - 2.65 ft	10.8 U	10.1 U	11.3 U	8.67 U	9.8 U	11.3 U	8.67 U	9.24 U
13B-0550-C3AS	0 - 0.5 ft	1140 J	5030 J	616 J	20800 J	2160 J	1120 J	20800 J	3070 J
13B-0550-C3BS	0.5 - 1.5 ft	227	1850	208	6630	863	398	6630	1160
13B-0550-C3CS	1.5 - 2.5 ft	6.53 U	5.56 U	5.95 U	67.2 J	6.27 U	6.36 U	67.2 J	5.14 U
13B-0550-C3FS	4.5 - 5.37 ft	5.49 U	4.67 U	5 U	4.03 U	5.27 U	5.34 U	4.03 U	4.32 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	1140	8080	928	28900	4350	2000	28900	5540
13B-0551-C2BS	0.5 - 0.88 ft	799	6910	921	23500	4160	1680	23500	5230
13B-0552-C3AS	0 - 0.5 ft	2700 J	10700 J	1490 J	40800 J	5400 J	2380 J	40800 J	7640 J
13B-0552-C3BS	0.5 - 1.5 ft	4000	24900	2750	92000	11500	5300	92000	15400
13B-0552-C3CS	1.5 - 2.38 ft	31900	131000	20900	462000	80500	32800	462000	112000
13B-0552-C3CT	1.5 - 2.38 ft	29600	116000	17500	398000	75400	29600	398000	98100
13B-0553-C2AS	0 - 0.5 ft	481	2630	300	11700	1220	588	11700	1500
13B-0553-C2BS	0.5 - 1.5 ft	8.11 U	48.9	7.77 U	267	19.2 J	7.99 U	267	28.6 J
13B-0553-C2CS	1.5 - 2.5 ft	14.5 U	13.3 U	15.1 U	30.3 J	13.7 U	14.5 U	30.3 J	12.2 U
13B-0553-C2DS	2.5 - 3.5 ft	19.3 U	17.8 U	20.2 U	15.7 U	18.3 U	19.4 U	15.7 U	16.3 U
13B-0554-C1AS	0 - 0.5 ft	611	3070	397	12300	1270	756	12300	1890
13B-0554-C1BS	0.5 - 1.5 ft	1750	9440	1100	38700	3870	1930	38700	5640
13B-0554-C1CS	1.5 - 2.5 ft	3260	15300	2120	54600	8170	3680	54600	10400
13B-0554-C1ES	3.5 - 4.7 ft	11.5 U	10.4 U	11.8 U	21.9 U	10.4 U	11.9 U	21.9 U	9.76 U
13B-0555-C1AS	0 - 0.5 ft	64100 J	285000 J	48600 J	1010000 J	199000 J	77800 J	1010000 J	245000 J
13B-0555-C1BS	0.5 - 1.22 ft	7810	92600	14600	313000	62900	23900	313000	74800
13B-0555-C2CS	1.5 - 2 ft	109000 J	408000 J	70600 J	1410000 J	288000 J	111000 J	1410000 J	357000 J
13B-0555-C2DS	2 - 3 ft	22000 J	134000 J	20600 J	478000 J	92900 J	35000 J	478000 J	112000 J
13B-0556-C2AS	0 - 0.5 ft	1480 J	7720 J	936 J	30300 J	3990 J	1700 J	30300 J	4500 J
13B-0556-C2BS	0.5 - 1.5 ft	1220	10500	1070	41000	4810	2410	41000	5330
13B-0556-C2CS	1.5 - 2.38 ft	750	5240	510	17800	2670	1440	17800	2610
13B-0557-C2AS	0 - 0.5 ft	3050 J	10600 J	1090 J	40000 J	5520 J	2630 J	40000 J	6260 J
13B-0557-C2BS	0.5 - 1.5 ft	2180 J	10000 J	1190 J	35700 J	5320 J	2350 J	35700 J	5930 J
13B-0557-C2CS	1.5 - 2.5 ft	5120	33900	5190	123000	19600	8070	123000	22100
13B-0557-C2ES	3.5 - 4.5 ft	8240	44000	4540	143000	27100	10000	143000	32900
13B-0558-C2AS	0 - 0.5 ft	940 J	7600 J	655 J	28400 J	3750 J	1780 J	28400 J	3870 J
13B-0558-C2BS	0.5 - 1.5 ft	292	4210	271	14500	2070	943	14500	1890
13B-0558-C2CS	1.5 - 2.5 ft	12.5 U	89.5	12.7 U	353	32.6	17.8	353	33.1
13B-0558-C2FS	4.5 - 5.75 ft	16 U	14.8 U	16.3 U	13 U	16.1 U	16 U	13 U	13.7 U
13B-0559-C3AS	0 - 0.5 ft	512	2930	312	12200	1360	647	12200	1540
13B-0559-C3BS	0.5 - 1.5 ft	1240 J	9240 J	798 J	32800 J	4460 J	1930 J	32800 J	4850 J
13B-0559-C3CS	1.5 - 2.5 ft	4730	20500	2680	70200	12200	4540	70200	14400

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
Maximum Detect		113000	408000	70600	1410000	288000	111000	1410000	357000
Mean of Detects		9580	34600	5850	118000	22100	9440	118000	28400
St. Dev. of Detects		21700	67500	11600	233000	45500	18200	233000	59400
CV of Detects		2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
% Detected		78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	6780	39700	4340	136000 J	22600	9350	136000 J	26700
13B-0560-C1AS	0 - 0.5 ft	408	1930	227	8050	755	533	8050	997
13B-0560-C1BS	0.5 - 1.5 ft	1250	7080	772	29100	2980	1910	29100	3890
13B-0560-C1CS	1.5 - 2.5 ft	2200 J	11300 J	1190 J	57500 J	3850 J	3260 J	57500 J	6400 J
13B-0560-C1GS	5.14 - 5.86 ft	18.8 U	56.5	17.3 U	170 EMPC-J	54.2	18 U	170 EMPC-J	37.2 J
13B-0561-C1AS	0 - 0.5 ft	9150	94500	12000	308000	54900	21300	308000	63200
13B-0561-C1BS	0.5 - 1.5 ft	3810	55200	6620	171000	34500	13100	171000	38300
13B-0561-C1CS	1.5 - 2.5 ft	4740	69500	9100	233000	38400	16000	233000	21900
13B-0561-C1GS	5.5 - 6.5 ft	20.6 U	18.1 U	19.8 U	15.6 U	20.2 U	19.9 U	15.6 U	16.4 U
13B-0562-G2AS	0 - 0.5 ft	422	2260	227	8630	1170	634	8630	953
13B-0563-C2AS	0 - 0.5 ft	151	670	76.2	2840	302 J	205	2840	402

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	230	1100	141	4660	598 J	321	4660	633
13B-0563-C2BS	0.5 - 1.1 ft	68.4	404	49.8	1810	196	124	1810	215
13B-0563-C2CS	1.1 - 2.5 ft	77600 J	267000 J	41500 J	893000 J	192000 J	69800 J	893000 J	234000 J
13B-0563-C2IS	7.5 - 8.28 ft	174	1410	189	6530	640	311	6530	823
13B-0564-G2AS	0 - 0.5 ft	4850 J	15800 J	2230 J	61500 J	7290 J	3620 J	61500 J	11700 J
13B-0565-G1AS	0 - 0.5 ft	557	2390	322	10200	944	517	10200	1480
13B-0566-G3AS	0 - 0.5 ft	304	3980	631	15000	828	896	15000	1530
13B-0567-G2AS	0 - 0.5 ft	2370 J	10900 J	1340 J	46200 J	4590 J	2230 J	46200 J	6740 J
13B-0568-G2AS	0 - 0.5 ft	5400 J	53000 J	7360 J	176000 J	29800 J	11200 J	176000 J	40200 J
13B-0570-G3AS	0 - 0.5 ft	2620 J	9400 J	1310 J	34700 J	4640 J	2050 J	34700 J	6860 J
13B-0571-C3AS	0 - 0.5 ft	533	2510	340	9470	1480	633	9470	1650
13B-0571-C3BS	0.5 - 1.5 ft	81.8	812	56.4	2790	548	236	2790	227
13B-0571-C3CS	1.5 - 2.5 ft	5.55 J	24.3 J	2.61 U	459	10.5 J	5.9 J	459	11 J
13B-0571-C3MS	11 - 12 ft	2.51 U	2.2 U	2.44 U	172	2.25 U	2.49 U	172	2.04 U
13B-0572-C1AS	0 - 0.5 ft	31.4 EMPC-J	207	23.6 EMPC-J	883	103	50.3	883	128
13B-0572-C1BS	0.5 - 1.5 ft	30.1 U	27.7 U	30 U	46.8 J	28 U	31.3 U	46.8 J	25.7 U
13B-0572-C1CS	1.5 - 2.27 ft	20.1 U	18.5 U	20.1 U	16.1 U	18.7 U	20.9 U	16.1 U	17.2 U
13B-0573-C2AS	0 - 0.5 ft	854	3590	438	15600	1740	1180	15600	2030
13B-0573-C2BS	0.5 - 1.5 ft	237	1130	135	4820	544	317	4820	613
13B-0573-C2CS	1.5 - 2.5 ft	1830	10600	1290	37500	5780	2510	37500	7840
13B-0573-C2DS	2.5 - 3.75 ft	20 U	57.1 EMPC-J	19.3 U	213	23.7 EMPC-J	19.4 U	213	38.6 EMPC-J
13B-0574-C2AS	0 - 0.5 ft	6210	23500	3320	79800	14000	6120	79800	17700
13B-0574-C2BS	0.5 - 1.5 ft	4660	20300	2700	69600	11900	5640	69600	15300
13B-0574-C2CS	1.5 - 2.5 ft	8610	32900	3640 EMPC-J	122000	17200	9200	122000	22500
13B-0574-C2HS	6.4 - 7.4 ft	11900	55200	7710	179000	35100	12900	179000	45100
13B-0575-C4AS	0 - 0.5 ft	35700 J	156000 J	23300 J	514000 J	94600 J	38900 J	514000 J	129000 J
13B-0575-C4BS	0.5 - 1.5 ft	13300	69400	10200	235000	42800	17300	235000	58100
13B-0575-C4CS	1.5 - 2.5 ft	17 U	59	17 U	200 U	31.9 EMPC-J	17.8 U	200 U	39.1 J
13B-0575-C4FS	4.3 - 5.44 ft	9.84 U	8.85 U	9.82 U	44 U	9.67 U	10.3 U	44 U	8.2 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45	PCB-46	PCB-47	PCB-48
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.55	7.1	8.79	17.8	10.3	5.9	17.8	6.19
	Maximum Detect	113000	408000	70600	1410000	288000	111000	1410000	357000
	Mean of Detects	9580	34600	5850	118000	22100	9440	118000	28400
	St. Dev. of Detects	21700	67500	11600	233000	45500	18200	233000	59400
	CV of Detects	2.26	1.95	1.98	1.98	2.06	1.93	1.98	2.09
	% Detected	78.6	85.7	76.1	89.9	81.9	78.2	89.9	83.6
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	355 J	2270 J	250 J	9420 J	1270 J	563 J	9420 J	1010 J
13B-0578-C5AS	0 - 0.5 ft	168	733	97	2590	354	157	2590	486
13B-0578-C5BS	0.5 - 1.5 ft	219	2040	274	6620	1080	465	6620	1490
13B-0578-C5CS	1.5 - 2.5 ft	11.9 U	103	11.8 U	415	10.6 U	11.9 U	415	9.72 U
13B-0578-C5CT	1.5 - 2.5 ft	10.4 U	106	10.3 U	466	46.7 J	10.4 U	466	42.3 J
13B-0578-C5GS	5.25 - 6.25 ft	7.88 U	6.83 U	7.78 U	35.3 U	7.04 U	7.88 U	35.3 U	6.43 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	6160	21.5 J	1650	4120	6510	1650	313	81.6 EMPC-J
13B-0501-C1BS	0.5 - 1.5 ft	6640	68 J	2250	2880	9200	2250	357	82.9
13B-0501-C1CS	1.5 - 2.5 ft	19400	80.9 J	6580	9480	29900	6580	1150	232
13B-0501-C1DS	2.5 - 3.07 ft	5510	4.79 UJ	317	148	14700	317	3.23 U	7.11 U
13B-0502-C2AS	0 - 0.5 ft	5470	20.7 U	1540	1430	8890	1540	140	93.5
13B-0502-C2BS	0.5 - 1.5 ft	54100	134 J	17100	30800	71000 J	17100	3590	646
13B-0502-C2CS	1.5 - 2.45 ft	218000 J	730	71800	96000 J	318000 J	71800	11800	1890
13B-0503-C1AS	0 - 0.5 ft	1190	15.7 U	313	343 U	1900	313	38.9	31.6 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	15.4 U	11.3 U	18.2 U	17.8 U	18.8 U	18.2 U	14.4 U	18.1 U
13B-0503-C1CS	1.5 - 2.5 ft	15.1 U	17.9 U	17.9 U	17.5 U	18.5 U	17.9 U	15.4 U	17.4 U
13B-0503-C1DS	2.5 - 2.5 ft	12.1 U	19 U	14.3 U	14 U	14.8 U	14.3 U	11.4 U	18.1 U
13B-0504-C4AS	0 - 0.5 ft	83300 J	110 J	13500 J	6980 J	178000 J	13500 J	433 J	602 J
13B-0504-C4BS	0.5 - 1.5 ft	48000 J	148 J	5290 J	1570 J	129000 J	5290 J	110 J	476 J
13B-0504-C4CS	1.5 - 2.5 ft	16700	101 J	1710	694	43600	1710	17.4 EMPC-J	130
13B-0504-C4KS	9.5 - 10.25 ft	208	3.14 UJ	35.4 J	14.8 J	620	35.4 J	3.37 U	5.79 U
13B-0505-C1AS	0 - 0.5 ft	25000 J	138 J	7870 J	11600 J	35200 J	7870 J	1580 J	503 J
13B-0505-C1BS	0.5 - 1.5 ft	9530	74.9	3120	4260	13200	3120	701	224
13B-0505-C1CS	1.5 - 2.5 ft	99400	781	30200	38700	147000	30200	4690	2670
13B-0505-C1FS	4.5 - 5.2 ft	43.5 EMPC-J	28.8 U	22.9 U	22.1 U	88.1	22.9 U	16.9 U	23.8 U
13B-0506-C2AS	0 - 0.5 ft	8130	8.54 U	1820	1980	16400	1820	273	21.6 U
13B-0506-C2BS	0.5 - 1.5 ft	1010	11.3 U	211	209	1590	211	26.3 EMPC-J	6.87 U
13B-0506-C2CS	1.5 - 2.5 ft	80.9 J	14.1 U	19.3 J	15.8 EMPC-J	122	19.3 J	3.84 U	4.95 U
13B-0507-C2AS	0 - 0.5 ft	231	4.14 UJ	55.4 J	83.5	332	55.4 J	5.25 J	4.52 U
13B-0507-C2BS	0.5 - 1.5 ft	4.77 U	4.47 UJ	5.49 U	44.9 EMPC-J	13.6 EMPC-J	5.49 U	5.39 U	3.87 U
13B-0507-C2CS	1.5 - 2.5 ft	3.77 U	2.2 UJ	4.34 U	4.59 U	4.43 U	4.34 U	4.89 U	2.95 U
13B-0507-C2DS	2.5 - 3.5 ft	6.22 U	3.13 UJ	7.15 U	17.7 J	7.3 U	7.15 U	7.1 U	5.08 U
13B-0508-G3AS	0 - 0.5 ft	373	18.6 UJ	115	127	564	115	13.9 UJ	16.2 U
13B-0509-C1AS	0 - 0.5 ft	161000 J	675	40900	14000	301000 J	40900	1080 J	3220
13B-0509-C1BS	0.5 - 1.5 ft	7200	28.4 J	1810	538	13900	1810	30	156
13B-0509-C1CS	1.5 - 2.5 ft	59.7	10.2 U	12.6 U	12.6 U	477	12.6 U	8.34 U	12.8 U
13B-0509-C1ES	3.17 - 4.17 ft	35 U	10.8 U	15.3 U	15.3 U	104	15.3 U	10 U	15.6 U
13B-0510-C3AS	0 - 0.5 ft	40400	36.1 J	8800	2800	82700	8800	176	200

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	2770	5.03 J	586	282	4910	586	15.8 J	9.93 EMPC-J
13B-0511-C3AS	0 - 0.5 ft	25300 J	80.5 J	6910 J	8040 J	37600 J	6910 J	1030 J	513 J
13B-0511-C3BS	0.5 - 1.5 ft	23800	89.8 J	6330	6620	35100	6330	841	434
13B-0511-C3CS	1.5 - 2.5 ft	104000	564 J	26800	11800	180000	26800	984	2520
13B-0511-C3HS	5.95 - 6.95 ft	65800	80.1 J	14100	3450	104000	14100	214	522
13B-0512-G1AS	0 - 0.5 ft	19100 J	55.2 J	5460 J	4610 J	29300 J	5460 J	572 J	286 J
13B-0513-G1AS	0 - 0.5 ft	135000 J	805 J	35800 J	14700 J	266000 J	35800 J	1070 J	3750 J
13B-0514-G1AS	0 - 0.5 ft	25100 J	94.1 J	6650 J	4860 J	39700 J	6650 J	546 J	323 J
13B-0515-C1AS	0 - 0.5 ft	5700	11.3 J	1320	1120	9440	1320	103 EMPC-J	103
13B-0515-C1BS	0.5 - 1.71 ft	39.8 J	8.59 U	8.34 J	5.21 U	69.8	8.34 J	5.71 U	5.1 U
13B-0515-C2CS	1.5 - 2.19 ft	27.8 J	9.22 U	6.6 U	6.58 U	52.3	6.6 U	7.69 U	5.57 U
13B-0516-C2AS	0 - 0.5 ft	19900 J	63.1 J	4860 J	5460 J	29700 J	4860 J	597 J	375 J
13B-0516-C2BS	0.5 - 1.5 ft	58600 J	179 J	14800 J	17000 J	85000 J	14800 J	1610 J	719 J
13B-0516-C2CS	1.5 - 2.5 ft	148000 J	1950 J	40000 J	25400 J	249000 J	40000 J	2220 J	3590 J
13B-0516-C2LS	10.4 - 11.4 ft	110000	817	24700	7150	205000 J	24700	360	733
13B-0517-G2AS	0 - 0.5 ft	803	10.1 U	266	216	1390	266	19.8 J	9.38 U
13B-0518-G1AS	0 - 0.5 ft	4430	6.43 UJ	1180	1280	6800	1180	132	87.1
13B-0518-G1AT	0 - 0.5 ft	5850	3.96 UJ	1590	1590	9200	1590	176	7.12 U
13B-0519-C2AS	0 - 0.5 ft	17600 J	8.7 UJ	4620 J	5050 J	27100 J	4620 J	496 J	31.6 UJ
13B-0519-C2BS	0.5 - 1.5 ft	20000	64.9	5340	5560	28000	5340	639	21.1 U
13B-0519-C2CS	1.5 - 2.5 ft	240000 J	1080 J	57200 J	17900 J	436000 J	57200 J	1140 J	173 UJ
13B-0519-C2RS	16.1 - 17.1 ft	48.2 J	11.1 U	12 U	11.7 U	89.2	12 U	8.09 U	12.4 U
13B-0520-G1AS	0 - 0.5 ft	18900 J	50 J	5140 J	5490 J	29300 J	5140 J	465 J	352 J
13B-0521-C2AS	0 - 0.5 ft	2560	15.4 U	767	822	4070	767	91.1	20.6 U
13B-0521-C2BS	0.5 - 1.5 ft	1530	12 U	457	560	2280	457	61.5	12 U
13B-0521-C2CS	1.5 - 2.5 ft	3370	11.2 U	961	962	5180	961	103	22.3 U
13B-0521-C2HS	6.5 - 7.63 ft	506000 J	2260 J	132000 J	38300 J	1010000 J	132000 J	2280 J	9960 J
13B-0522-G1AS	0 - 0.5 ft	27400 J	64.9 J	7510 J	8370 J	42700 J	7510 J	642 J	461 J
13B-0522-G1AT	0 - 0.5 ft	26200 J	81.6 J	6970 J	7450 J	41300 J	6970 J	643 J	474 J
13B-0523-G2AS	0 - 0.5 ft	27200 J	71.2 J	7160 J	8260 J	41700 J	7160 J	737 J	431 J
13B-0524-C1AS	0 - 0.5 ft	22100 J	47.6 EMPC-J	6350 J	6170 J	36000 J	6350 J	566 J	297 J
13B-0524-C1BS	0.5 - 1.5 ft	33700	70.1	9230	9530	50600	9230	892	40.4 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	56900	148	15200	15200	84000	15200	1680 J	472
13B-0524-C1GS	5.39 - 6.39 ft	142000	1340	35300	14900	236000 J	35300	1330	2290
13B-0525-C1AS	0 - 0.5 ft	27800 J	69.5 J	7450 J	8580 J	44900 J	7450 J	763 J	447 J
13B-0525-C1BS	0.5 - 1.5 ft	37300 J	78.9 J	9760 J	10400 J	58000 J	9760 J	946 J	411 J
13B-0525-C1CS	1.5 - 2.5 ft	56400 J	96.8 J	13600 J	14300 J	72900 J	13600 J	1480 J	518 J
13B-0525-C1HS	6.42 - 7.42 ft	106000	1660	28100	14900	179000	28100	1270	944
13B-0526-C1AS	0 - 0.5 ft	216000 J	1680 J	54300 J	17700 J	430000 J	54300 J	1420 J	4210 J
13B-0526-C1BS	0.5 - 1.5 ft	489000 J	1460 J	132000 J	35200 J	1020000 J	132000 J	1970 J	11600 J
13B-0526-C1CS	1.5 - 2.5 ft	507000 J	3730 J	145000 J	38400 J	1010000 J	145000 J	2130 J	9800 J
13B-0526-C1CT	1.5 - 2.5 ft	512000 J	3560 J	147000 J	55400 J	1010000 J	147000 J	2160 J	11100 J
13B-0526-C1HS	6.5 - 7.62 ft	38200	101 J	7330	2020	64200	7330	96.3	142
13B-0527-C2AS	0 - 0.5 ft	1610	8.07 U	392	367	2540	392	37.4 J	7.68 U
13B-0527-C2BS	0.5 - 1.5 ft	36.5 J	5.21 U	9.99 J	10.8 J	60	9.99 J	4.79 U	5.04 U
13B-0527-C2CS	1.5 - 2.6 ft	10.5 J	6.8 U	5.75 U	5.31 U	16.1 J	5.75 U	5.12 U	5.19 U
13B-0528-C3AS	0 - 0.5 ft	51700 J	115 J	13500 J	7530 J	93400 J	13500 J	720 J	1320 J
13B-0528-C3BS	0.5 - 1.5 ft	561000 J	1730 J	159000 J	43900 J	1180000 J	159000 J	2250 J	10400 J
13B-0528-C3CS	1.5 - 2.5 ft	72500 J	134 J	17100 J	4380 J	187000 J	17100 J	204 J	969 J
13B-0528-C3LS	10.5 - 11.54 ft	737	7.62 UJ	45 J	16.4 J	1420	45 J	9.88 U	14.5 U
13B-0529-C2AS	0 - 0.5 ft	7670	19 J	2570	2110	13000	2570	300	104
13B-0529-C2BS	0.5 - 1.5 ft	728	4.93 UJ	180	152	1120	180	12.4 EMPC-J	11.7
13B-0529-C2CS	1.5 - 2.5 ft	168	6.33 UJ	30	45.6	261	30	6.36 U	5.4 U
13B-0529-C2ES	3.5 - 4.2 ft	6.49 U	9.31 UJ	7.39 U	7.64 U	11.4 EMPC-J	7.39 U	7.47 U	5.32 U
13B-0530-C1AS	0 - 0.5 ft	5750	15 U	2040	1440	8000	2040	163	22 U
13B-0530-C1BS	0.5 - 1.5 ft	72000	300	19300	13700	102000	19300	1250	54.3 U
13B-0530-C1CS	1.5 - 1.8 ft	13200	18.2 U	3840	2360	18500	3840	468	239
13B-0531-C2AS	0 - 0.5 ft	2110	4.46 U	731	653 J	3500	731	63.2	7.62 U
13B-0531-C2AT	0 - 0.5 ft	2770	5.43 U	899	1130 J	3550	899	77.2	11.3 U
13B-0531-C2BS	0.5 - 1.5 ft	7930 J	4.25 U	1590	721	14100 J	1590	35.8 J	10 U
13B-0531-C2CS	1.5 - 2.5 ft	31.8 U	6.79 U	5.29 EMPC-J	4.14 U	71.7 U	5.29 EMPC-J	3.38 U	5.16 U
13B-0531-C2ES	3.5 - 4.42 ft	3.93 U	5.31 U	4.68 U	4.9 U	11.6 U	4.68 U	3.4 U	5.37 U
13B-0532-C1AS	0 - 0.5 ft	4530	5.85 UJ	1230	1470	5930	1230	184	65.5
13B-0532-C1BS	0.5 - 1.5 ft	1170	6.91 UJ	361	385	1590	361	48.2 J	8.8 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	117	6.43 UJ	19 J	7.86 J	291	19 J	5.2 U	6.54 U
13B-0532-C1DS	2.5 - 3.73 ft	7.24 U	6.63 UJ	8.3 U	8.65 U	12 J	8.3 U	6.12 U	6.63 U
13B-0533-C2AS	0 - 0.5 ft	46800 J	107 J	12000 J	9890 J	82200 J	12000 J	781 J	797 J
13B-0533-C2AT	0 - 0.5 ft	36500 J	82.6 J	9210 J	6740 J	64200 J	9210 J	717 J	583 J
13B-0533-C2BS	0.5 - 1.5 ft	528000 J	1130 J	134000 J	43800 J	1040000 J	134000 J	1970 J	6880 J
13B-0533-C2CS	1.5 - 2.5 ft	99500 J	137 J	20600 J	5310 J	201000 J	20600 J	286 J	662 J
13B-0533-C2JS	8.5 - 9.62 ft	2790	6.24 UJ	454	117	7780	454	8.36 U	56.8
13B-0533-C2JT	8.5 - 9.62 ft	2440	5.6 UJ	369	82.7	6730	369	7.15 U	44.2 J
13B-0534-C2AS	0 - 0.5 ft	252000 J	2570 J	76300 J	18600 J	524000 J	76300 J	1440 J	7440 J
13B-0534-C2AT	0 - 0.5 ft	243000 J	2230 J	70200 J	20900 J	493000 J	70200 J	1360 J	7500 J
13B-0534-C2BS	0.5 - 1.5 ft	106000	361 J	26500	5800	208000 J	26500	371	1100
13B-0534-C2CS	1.5 - 2.5 ft	5440	45 J	449	118	16300	449	9.34 U	100
13B-0534-C2IS	7.5 - 8.59 ft	805	5.87 UJ	129	29.9 J	2680	129	3.84 U	13.2 U
13B-0535-C2AS	0 - 0.5 ft	29800 J	78 J	7820 J	6730 J	49400 J	7820 J	595 J	460 J
13B-0535-C2BS	0.5 - 1.5 ft	623	20.5 U	141	156	1050	141	12.4 U	15.7 U
13B-0535-C2CS	1.5 - 2.45 ft	71.8 J	14.8 U	10.5 U	10.4 U	113	10.5 U	8.09 U	9.04 U
13B-0536-C1AS	0 - 0.5 ft	13200 J	40.8 J	3360 J	3500 J	21100 J	3360 J	387 J	314 J
13B-0536-C1BS	0.5 - 1.5 ft	253	2.14 U	42.8 J	13.8 J	573	42.8 J	2.13 U	7.98 J
13B-0536-C1CS	1.5 - 2.5 ft	96.3 J	6.83 J	22.9 J	8.26 J	831	22.9 J	2.42 U	4.79 U
13B-0536-C1FS	4.28 - 5.28 ft	17.9 J	5.07 J	4.96 J	3.39 U	95.9	4.96 J	2.53 U	5.52 U
13B-0537-C3AS	0 - 0.5 ft	8250	7.19 U	2240	1580	13700	2240	134	123
13B-0538-C3AS	0 - 0.5 ft	474000 J	7650 J	141000 J	34900 J	1060000 J	141000 J	2730 J	20000 J
13B-0538-C3BS	0.5 - 1.5 ft	462000 J	4610 J	133000 J	34200 J	1020000 J	133000 J	2520 J	17000 J
13B-0538-C3CS	1.5 - 2.5 ft	349000 J	5860 J	99000 J	27200 J	750000 J	99000 J	1860 J	13400 J
13B-0538-C3ES	3.5 - 4.8 ft	75.3 J	8.61 UJ	24.2 EMPC-J	11.3 U	146	24.2 EMPC-J	9.35 U	9.28 U
13B-0539-C3AS	0 - 0.5 ft	75700	69.5	15700	5080	132000	15700	359	84.9 U
13B-0539-C3AT	0 - 0.5 ft	101000	112	20400	5930	178000	20400	464	102 U
13B-0539-C3BS	0.5 - 1.5 ft	10200	46.5 EMPC-J	990	323	25600	990	19.5 J	65.9 U
13B-0539-C3CS	1.5 - 2.5 ft	3620	10.9 U	399	123	10000	399	8.89 U	37.9 U
13B-0539-C3HS	6.5 - 7.59 ft	5.02 U	8.41 U	5.81 U	5.67 U	18.3 J	5.81 U	5.27 U	6.02 U
13B-0540-C4AS	0 - 0.5 ft	24600 J	62.2 J	6620 J	6360 J	42400 J	6620 J	552 J	399 J
13B-0540-C4BS	0.5 - 1.5 ft	65400 J	254 J	14600 J	6520 J	109000 J	14600 J	523 J	1250 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	428000 J	2530 J	115000 J	32300 J	843000 J	115000 J	1920 J	9860 J
13B-0540-C4LS	10.3 - 11.25 ft	17.9 J	15.1 UJ	13.5 U	12.5 U	44.1 J	13.5 U	7.52 U	9.36 U
13B-0541-C1AS	0 - 0.5 ft	65300 J	248 J	18200 J	5890 J	117000 J	18200 J	455 J	1070 J
13B-0541-C1BS	0.5 - 1.5 ft	85500	460	23300	5990	144000	23300	423	1300
13B-0541-C1CS	1.5 - 2.5 ft	20400	23.1 J	5010	1150	34200	5010	70.8	82
13B-0541-C1FS	4.5 - 5.67 ft	12.2 U	19.9 U	14.6 U	14.6 U	24.1 EMPC-J	14.6 U	10.2 U	11 U
13B-0542-C2AS	0 - 0.5 ft	715	13.6 U	172	83.9	1470	172	5.45 U	15.4 U
13B-0542-C2BS	0.5 - 1.5 ft	8.74 J	12.3 U	8.63 U	8.59 U	32.7 J	8.63 U	6.44 U	9.27 U
13B-0542-C2CS	1.5 - 2.5 ft	9.32 U	13.5 U	11.2 U	39.9 J	37.9 J	11.2 U	8.06 U	11.4 U
13B-0542-C2HS	6.5 - 7.55 ft	7.04 U	11.5 U	8.47 U	8.43 U	8.66 U	8.47 U	6.83 U	8.77 U
13B-0543-G1AS	0 - 0.5 ft	16000 J	43.4 J	4190 J	3190 J	26700 J	4190 J	363 J	314 J
13B-0544-C2AS	0 - 0.5 ft	16900 J	48 J	4300 J	3450 J	27300 J	4300 J	299 J	243 J
13B-0544-C2BS	0.5 - 1.5 ft	23300	85.8	5920	5180	41000	5920	425	44.9 U
13B-0544-C2CS	1.5 - 2.5 ft	37100	13.8 U	9310	7700	57300	9310	710	73.1 U
13B-0544-C2ES	3 - 3.97 ft	15500	13.3 U	3880	3530	23100	3880	364	433
13B-0546-G2AS	0 - 0.5 ft	6350	10.6 UJ	3410	8830	4880	3410	786	15.3 U
13B-0547-C2AS	0 - 0.5 ft	387000 J	799 J	98200 J	23700 J	696000 J	98200 J	1690 J	272 UJ
13B-0547-C2BS	0.5 - 1.5 ft	119000 J	144 J	26300 J	7650 J	211000 J	26300 J	392 J	110 UJ
13B-0547-C2CS	1.5 - 2.05 ft	1730	7.01 UJ	286	88.8	3120	286	7.8 U	15.8 U
13B-0547-C2HS	6.5 - 7.15 ft	10	6.74 UJ	7.16 U	48.3	16.5 J	7.16 U	5.41 U	5.22 U
13B-0548-C1AS	0 - 0.5 ft	13600	43.3 EMPC-J	4200	3690	21600	4200	385	212
13B-0548-C1BS	0.5 - 1.5 ft	12200	39.8 J	3590	2930	21800	3590	344	209
13B-0548-C1BT	0.5 - 1.5 ft	12000	43.8 J	3370	3030	19900	3370	310	221
13B-0548-C1CS	1.5 - 2.5 ft	28500	17.5 U	6700	5470	43900	6700	437	1010
13B-0548-C1IS	7.5 - 8.79 ft	9.81 U	14.6 U	11.6 U	12.3 U	24.3 U	11.6 U	8.94 U	13.9 U
13B-0549-C3AS	0 - 0.5 ft	11100	26.7 J	2830	2660	17700	2830	264	186
13B-0549-C3BS	0.5 - 1.5 ft	15.8 J	21.1 U	12.1 U	12.6 U	50.8 U	12.1 U	10.3 U	10.9 U
13B-0549-C3CS	1.5 - 2.65 ft	7.56 U	13.5 U	9.08 U	9.44 U	38.1 U	9.08 U	6.87 U	9.6 U
13B-0550-C3AS	0 - 0.5 ft	12300 J	41.1 J	3250 J	3050 J	21900 J	3250 J	274 J	165 J
13B-0550-C3BS	0.5 - 1.5 ft	4240	18.1 J	1000	670	7250	1000	52.6	62
13B-0550-C3CS	1.5 - 2.5 ft	6.27 EMPC-J	3.13 UJ	5.07 U	13.2 J	10.4 J	5.07 U	3.44 U	4.69 U
13B-0550-C3FS	4.5 - 5.37 ft	3.56 U	4.13 UJ	4.26 U	4 U	5.9 J	4.26 U	3.29 U	3.44 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	18100	51.5 J	4610	2560	29500	4610	229	292
13B-0551-C2BS	0.5 - 0.88 ft	15000	7.3 UJ	3470	995	25000	3470	65	322
13B-0552-C3AS	0 - 0.5 ft	25500 J	83.4 J	5980 J	4140 J	40500 J	5980 J	422 J	502 J
13B-0552-C3BS	0.5 - 1.5 ft	59000	187	14300	10600	91800	14300	1050	2350
13B-0552-C3CS	1.5 - 2.38 ft	280000	1520	70700	18000	506000 J	70700	1230	5680
13B-0552-C3CT	1.5 - 2.38 ft	244000	1180	60900	14300	433000 J	60900	1060	4220
13B-0553-C2AS	0 - 0.5 ft	7240	17.4 J	1800	1600	13100	1800	176	109
13B-0553-C2BS	0.5 - 1.5 ft	157	7.78 UJ	25.2 J	38.2 J	579	25.2 J	4.26 U	6.18 U
13B-0553-C2CS	1.5 - 2.5 ft	16.3 EMPC-J	9.92 UJ	12 U	11.8 U	655	12 U	7.83 U	11.9 U
13B-0553-C2DS	2.5 - 3.5 ft	14.1 U	11.2 J	16 U	15.8 U	1020	16 U	9.11 U	19.1 U
13B-0554-C1AS	0 - 0.5 ft	7640	16.6 J	2170	2060	12000	2170	205	123
13B-0554-C1BS	0.5 - 1.5 ft	22900	58.1 J	6090	6970	35800	6090	646	321
13B-0554-C1CS	1.5 - 2.5 ft	34600	189 J	8510	4490	60600 J	8510	361	880
13B-0554-C1ES	3.5 - 4.7 ft	8.1 U	6.88 U	9.19 U	10.1 U	19 U	9.19 U	7.73 U	10.4 U
13B-0555-C1AS	0 - 0.5 ft	592000 J	2820 J	161000 J	39400 J	1100000 J	161000 J	2070 J	9720 J
13B-0555-C1BS	0.5 - 1.22 ft	197000	346 J	48500	11500	336000	48500	624 J	1580
13B-0555-C2CS	1.5 - 2 ft	816000 J	5600 J	235000 J	52900 J	1530000 J	235000 J	3190 J	13400 J
13B-0555-C2DS	2 - 3 ft	283000 J	652 J	73400 J	16200 J	499000 J	73400 J	935 J	3590 J
13B-0556-C2AS	0 - 0.5 ft	17400 J	41.1 J	4900 J	3870 J	28500 J	4900 J	331 EMPC-J	283 J
13B-0556-C2BS	0.5 - 1.5 ft	24400	41.6 J	7260	6810	36600	7260	781	274
13B-0556-C2CS	1.5 - 2.38 ft	11100	58.5 J	3700	2140	19100	3700	186	177
13B-0557-C2AS	0 - 0.5 ft	25300 J	101 J	7000 J	4690 J	44600 J	7000 J	407 J	499 J
13B-0557-C2BS	0.5 - 1.5 ft	22300 J	87.7 J	5850 J	3150 J	39000 J	5850 J	264 J	43 UJ
13B-0557-C2CS	1.5 - 2.5 ft	76100	334	21600	12000	126000	21600	1130	113 U
13B-0557-C2ES	3.5 - 4.5 ft	89300	688	22500	6220	170000	22500	343	91.5 U
13B-0558-C2AS	0 - 0.5 ft	18700 J	48.4 J	4770 J	3730 J	27000 J	4770 J	342 J	361 J
13B-0558-C2BS	0.5 - 1.5 ft	9790	15.9 J	2400	1280	14900	2400	99.9 J	189
13B-0558-C2CS	1.5 - 2.5 ft	255	9.15 UJ	39.9	20.9 EMPC-J	768	39.9	5.77 UJ	10.6 U
13B-0558-C2FS	4.5 - 5.75 ft	11.4 U	8.96 UJ	13.3 U	13 U	17.4	13.3 U	8.35 UJ	8.74 U
13B-0559-C3AS	0 - 0.5 ft	7160	25.3 J	1960	1990	10700	1960	268	86 EMPC-J
13B-0559-C3BS	0.5 - 1.5 ft	20700 J	55 J	4910 J	3390 J	32400 J	4910 J	416 J	401 J
13B-0559-C3CS	1.5 - 2.5 ft	43700	416	10900	4600	73100 J	10900	494	930

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	87200 J	713	21500	9280	144000 J	21500	977	1200
13B-0560-C1AS	0 - 0.5 ft	4890	14.8 U	1540	1420	7560	1540	168	24 U
13B-0560-C1BS	0.5 - 1.5 ft	18200	80.3	5490	5210	26200	5490	613	320
13B-0560-C1CS	1.5 - 2.5 ft	29400 J	131 J	11300 J	18700 J	48200 J	11300 J	3850 J	459 J
13B-0560-C1GS	5.14 - 5.86 ft	107	18.9 U	37.8 J	14.9 U	230	37.8 J	10.2 U	24.5 U
13B-0561-C1AS	0 - 0.5 ft	198000	653 J	45100	13700	322000 J	45100	885 J	2020
13B-0561-C1BS	0.5 - 1.5 ft	111000	513 J	26500	7550	175000	26500	568	1030
13B-0561-C1CS	1.5 - 2.5 ft	141000	130 J	33600	9530	240000 J	33600	575 J	1450
13B-0561-C1GS	5.5 - 6.5 ft	13.7 U	19.6 U	16.1 U	15.2 U	16.7 U	16.1 U	15 U	14.2 U
13B-0562-G2AS	0 - 0.5 ft	4890	12.2 U	1570	1110	9060	1570	112	76.8
13B-0563-C2AS	0 - 0.5 ft	1650 J	10.2 J	576	565	2640 J	576	58.3	44.1

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	2780 J	6.44 UJ	916	798	4550 J	916	93.1	14.4 U
13B-0563-C2BS	0.5 - 1.1 ft	1000	6.8 UJ	358	375	1550	358	40.3 EMPC-J	9.51 U
13B-0563-C2CS	1.1 - 2.5 ft	534000 J	8270 J	151000 J	37500 J	959000 J	151000 J	2970 J	285 UJ
13B-0563-C2IS	7.5 - 8.28 ft	4670	5.97 UJ	704	301	10300	704	18.3 J	79.6
13B-0564-G2AS	0 - 0.5 ft	36900 J	136 J	9010 J	6900 J	62200 J	9010 J	633 J	993 J
13B-0565-G1AS	0 - 0.5 ft	5850	13.4 U	1660	1830	9010	1660	204	139
13B-0566-G3AS	0 - 0.5 ft	10500	15.2 U	2930	2180	13000	2930	209	156
13B-0567-G2AS	0 - 0.5 ft	27100 J	76.4 J	7390 J	8140 J	41700 J	7390 J	674 J	426 J
13B-0568-G2AS	0 - 0.5 ft	118000 J	687 J	24900 J	6920 J	207000 J	24900 J	459 J	1090 J
13B-0570-G3AS	0 - 0.5 ft	21100 J	57.3 J	5300 J	3320 J	37300 J	5300 J	246 J	354 J
13B-0571-C3AS	0 - 0.5 ft	5980	15.7 J	1780	1080	11200	1780	103	90
13B-0571-C3BS	0.5 - 1.5 ft	1500	18.7 J	690	440	3380	690	35.2 J	24.6 J
13B-0571-C3CS	1.5 - 2.5 ft	55.4 J	2.01 U	15.8 J	101	106	15.8 J	1.7 U	3.25 U
13B-0571-C3MS	11 - 12 ft	3.63 EMPC-J	3.27 U	2.02 U	40.6 J	4.37 U	2.02 U	1.53 U	2.53 U
13B-0572-C1AS	0 - 0.5 ft	527	14.6 U	141	92.6 EMPC-J	1080	141	9.72 U	19 U
13B-0572-C1BS	0.5 - 1.5 ft	31.8 J	26.6 U	25.3 U	26.3 U	99.1	25.3 U	15.7 U	31.2 U
13B-0572-C1CS	1.5 - 2.27 ft	19.6 EMPC-J	17.2 U	16.9 U	17.6 U	38.4 J	16.9 U	9.01 U	19.6 U
13B-0573-C2AS	0 - 0.5 ft	9370	51.3 J	3640	3350	15800	3640	425	147
13B-0573-C2BS	0.5 - 1.5 ft	2820	22.2 J	910	835	4490	910	105	61.3
13B-0573-C2CS	1.5 - 2.5 ft	23900	159 J	5340	1680	44800	5340	122 J	687
13B-0573-C2DS	2.5 - 3.75 ft	130	16.8 U	26 EMPC-J	14.8 U	240	26 EMPC-J	11.3 U	14.8 U
13B-0574-C2AS	0 - 0.5 ft	49000	472	13800	4400	92600	13800	321	1350
13B-0574-C2BS	0.5 - 1.5 ft	43600	354 J	12600	4050	84700	12600	382	34.5 U
13B-0574-C2CS	1.5 - 2.5 ft	77200	553	23000	9230	141000	23000	670	1590
13B-0574-C2HS	6.4 - 7.4 ft	109000	695	29300	7250	207000 J	29300	419	1580
13B-0575-C4AS	0 - 0.5 ft	320000 J	1860 J	83400 J	24700 J	561000 J	83400 J	1570 J	6570 J
13B-0575-C4BS	0.5 - 1.5 ft	147000	784	36000	9960	257000 J	36000	573	2340
13B-0575-C4CS	1.5 - 2.5 ft	110 EMPC-J	9.45 U	34.8 J	14.3 U	257	34.8 J	15 U	13.3 U
13B-0575-C4FS	4.3 - 5.44 ft	18.9 J	5.6 U	8.31 U	8.27 U	35.5	8.31 U	7.46 U	9.58 U

APPENDIX I
DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	3.63	5.03	4.96	7.86	5.9	4.96	5.25	7.98
	Maximum Detect	816000	8270	235000	96000	1530000	235000	11800	20000
	Mean of Detects	69000	655	19800	8070	124000	19800	766	1880
	St. Dev. of Detects	133000	1350	38000	12300	258000	38000	1160	3550
	CV of Detects	1.93	2.07	1.91	1.53	2.08	1.91	1.52	1.88
	% Detected	90.8	57.1	84.0	82.4	94.1	84.0	71.0	57.1
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	5570 J	12.2 UJ	1690 J	1380 J	10200 J	1690 J	136 J	66.7 EMPC-J
13B-0578-C5AS	0 - 0.5 ft	1640	9.26 U	375	227	2810	375	18.1 EMPC-J	7.89 U
13B-0578-C5BS	0.5 - 1.5 ft	4340	4.69 U	1020	359	7590	1020	21.2 EMPC-J	9.95 U
13B-0578-C5CS	1.5 - 2.5 ft	467	44.4 U	45.2 J	9.9 U	957	45.2 J	6.73 U	23.6 U
13B-0578-C5CT	1.5 - 2.5 ft	529	12.1 U	50.8 J	8.65 U	1040	50.8 J	4.67 U	12.2 U
13B-0578-C5GS	5.25 - 6.25 ft	22.7 J	11.5 U	6.38 U	6.55 U	52.3	6.38 U	3.65 U	7.23 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	2420	33.6 J	17.3 J	684	385 J	858	7970	684
13B-0501-C1BS	0.5 - 1.5 ft	2990	47.3	23.9 J	758	1190 J	949	10200	758
13B-0501-C1CS	1.5 - 2.5 ft	9340	142	72.2	2200	1500 J	2890	33200	2200
13B-0501-C1DS	2.5 - 3.07 ft	522	29.7 J	15.6 J	246	96.4 J	122	4590	246
13B-0502-C2AS	0 - 0.5 ft	3080	34.4 EMPC-J	29.9 U	668	529	1070	10600	668
13B-0502-C2BS	0.5 - 1.5 ft	21900	377	320	5950	4450	4700	76300	5950
13B-0502-C2CS	1.5 - 2.45 ft	108000 J	1160	1160	25000	26200	23100	381000 J	25000
13B-0503-C1AS	0 - 0.5 ft	759	14.3 U	14.3 U	152	65.9 J	280	2510	152
13B-0503-C1BS	0.5 - 1.5 ft	19.8 U	17.3 U	17.3 U	13.5 U	11 U	18.5 U	17.6 U	13.5 U
13B-0503-C1CS	1.5 - 2.5 ft	19 U	16.6 U	16.6 U	13.3 U	17.5 U	17.7 U	16.8 U	13.3 U
13B-0503-C1DS	2.5 - 2.5 ft	19.8 U	17.3 U	17.3 U	10.6 U	18.6 U	18.5 U	17.6 U	10.6 U
13B-0504-C4AS	0 - 0.5 ft	40400 J	349 J	631 J	7280 J	2790 J	7810 J	180000 J	7280 J
13B-0504-C4BS	0.5 - 1.5 ft	20000 J	75.8 J	320 J	3420 J	3570 J	4930 J	111000 J	3420 J
13B-0504-C4CS	1.5 - 2.5 ft	7090	36.9	118	1110	721 J	1890	39500	1110
13B-0504-C4KS	9.5 - 10.25 ft	89.7	5.69 U	5.51 U	21 J	41.7 J	37.3	498	21 J
13B-0505-C1AS	0 - 0.5 ft	13300 J	147 EMPC-J	133 J	3030 J	3460 J	4850 J	46900 J	3030 J
13B-0505-C1BS	0.5 - 1.5 ft	4070	65.7	55.4	1190	3050	1300	15500	1190
13B-0505-C1CS	1.5 - 2.5 ft	45600	723	507	12400	24300	14200	182000	12400
13B-0505-C1FS	4.5 - 5.2 ft	30.3 EMPC-J	22.8 U	22.8 U	17.3 U	28.5 U	23.5 U	122 J	17.3 U
13B-0506-C2AS	0 - 0.5 ft	5860	57	19.8 U	914	582	2480	24200	914
13B-0506-C2BS	0.5 - 1.5 ft	511	7.54 J	6.28 U	114 J	97.5	193	1990	114 J
13B-0506-C2CS	1.5 - 2.5 ft	43.8 J	4.86 U	4.53 U	10.3 J	13.8 J	18.2 EMPC-J	158 J	10.3 J
13B-0507-C2AS	0 - 0.5 ft	138	4.41 U	4.32 U	32.4 J	18.2 J	49.3	450	32.4 J
13B-0507-C2BS	0.5 - 1.5 ft	5.86 J	3.78 U	3.7 U	4.15 U	4.55 UJ	3.77 U	20.7 J	4.15 U
13B-0507-C2CS	1.5 - 2.5 ft	3.08 U	2.88 U	2.83 U	3.28 U	2.24 UJ	2.88 U	2.83 U	3.28 U
13B-0507-C2DS	2.5 - 3.5 ft	5.29 U	4.96 U	4.86 U	5.41 U	3.18 UJ	4.95 U	4.87 U	5.41 U
13B-0508-G3AS	0 - 0.5 ft	217	15.7 U	15.7 U	53.4 EMPC-J	18.8 J	79.5	683	53.4 EMPC-J
13B-0509-C1AS	0 - 0.5 ft	110000 J	989	731	21100	48100 J	40500 J	390000 J	21100
13B-0509-C1BS	0.5 - 1.5 ft	4700	52.9	26.4	1020	1010	1920	16800	1020
13B-0509-C1CS	1.5 - 2.5 ft	38.8	12.3 U	12.1 U	9.33 U	64.8 J	20	153	9.33 U
13B-0509-C1ES	3.17 - 4.17 ft	27.2 EMPC-J	14.9 U	14.8 U	11.3 U	10.7 U	15.1 U	91.2	11.3 U
13B-0510-C3AS	0 - 0.5 ft	26800	149	281	4120	794 J	4800	102000	4120

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	1820	9.53 J	19.7 J	288	110 J	315	6630	288
13B-0511-C3AS	0 - 0.5 ft	18300 J	225 J	142 J	3210 J	1930 J	6510 J	61100 J	3210 J
13B-0511-C3BS	0.5 - 1.5 ft	16600	196	130	2940	3000 J	5790	57000	2940
13B-0511-C3CS	1.5 - 2.5 ft	83700	921	488	15000	12500 J	31100	283000	15000
13B-0511-C3HS	5.95 - 6.95 ft	45900	320	473	7200	4990 J	6060	172000	7200
13B-0512-G1AS	0 - 0.5 ft	11500 J	144 J	104 J	2420 J	1620 J	4070 J	39800 J	2420 J
13B-0513-G1AS	0 - 0.5 ft	113000 J	1130 J	436 J	20000 J	13600 J	56400 J	399000 J	20000 J
13B-0514-G1AS	0 - 0.5 ft	14100 J	178 J	136 J	3130 J	3100 J	4300 J	50100 J	3130 J
13B-0515-C1AS	0 - 0.5 ft	3660	42.1 J	29.6 EMPC-J	731	269	1030	12900	731
13B-0515-C1BS	0.5 - 1.71 ft	22.9 J	4.91 U	4.75 U	4.97 EMPC-J	8.67 U	5.01 U	92.6 J	4.97 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	22.1 EMPC-J	5.36 U	5.19 U	5.25 U	9.31 U	5.47 U	94.3 J	5.25 U
13B-0516-C2AS	0 - 0.5 ft	13600 J	145 J	127 J	2370 J	1570 J	4390 J	47500 J	2370 J
13B-0516-C2BS	0.5 - 1.5 ft	26600 J	325 J	437 J	6580 J	8580 J	6100 J	103000 J	6580 J
13B-0516-C2CS	1.5 - 2.5 ft	65300 J	1100 J	1020 J	20000 J	47800 J	14200 J	270000 J	20000 J
13B-0516-C2LS	10.4 - 11.4 ft	68200	997	742	13800	14200	92.1 U	253000	13800
13B-0517-G2AS	0 - 0.5 ft	448	9.23 U	9.02 U	133	37.7 EMPC-J	131	1180	133
13B-0518-G1AS	0 - 0.5 ft	2760	32.5 J	25.2 J	584	241 J	980	9390	584
13B-0518-G1AT	0 - 0.5 ft	3390	47.4 J	24.5 EMPC-J	738	614 J	1220	11500	738
13B-0519-C2AS	0 - 0.5 ft	10400 J	31.1 UJ	30.4 UJ	2110 J	1450 J	3490 J	35500 J	2110 J
13B-0519-C2BS	0.5 - 1.5 ft	9270	102	115	2200	2990	2450	32800	2200
13B-0519-C2CS	1.5 - 2.5 ft	179000 J	1960 J	1240 J	32500 J	32500 J	55600 J	620000 J	32500 J
13B-0519-C2RS	16.1 - 17.1 ft	95.3 EMPC-J	12.2 U	11.9 U	8.58 U	11.2 U	52.4	297	8.58 U
13B-0520-G1AS	0 - 0.5 ft	11400 J	138 J	87.6 J	2410 J	1200 J	4330 J	38600 J	2410 J
13B-0521-C2AS	0 - 0.5 ft	1420	19.8 U	19 U	352	228	495	4780	352
13B-0521-C2BS	0.5 - 1.5 ft	735	17.1 J	11 U	168 EMPC-J	183	243	2620	168 EMPC-J
13B-0521-C2CS	1.5 - 2.5 ft	1920	21.4 U	20.6 U	422	200	698	6480	422
13B-0521-C2HS	6.5 - 7.63 ft	407000 J	3720 J	2060 J	74500 J	44600 J	149000 J	1350000 J	74500 J
13B-0522-G1AS	0 - 0.5 ft	16500 J	212 J	128 J	3640 J	1800 J	6120 J	57700 J	3640 J
13B-0522-G1AT	0 - 0.5 ft	16000 J	205 J	133 J	3350 J	1960 J	5890 J	56000 J	3350 J
13B-0523-G2AS	0 - 0.5 ft	17100 J	241 J	29.8 UJ	3540 J	1950 J	6110 J	58400 J	3540 J
13B-0524-C1AS	0 - 0.5 ft	12300 J	150 J	26.3 UJ	2870 J	1220 J	4430 J	42200 J	2870 J
13B-0524-C1BS	0.5 - 1.5 ft	16900	190	165	4250	1750	5690	59100	4250

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	26000	245	328	6640	3900	6620	95300	6640
13B-0524-C1GS	5.39 - 6.39 ft	56900	1190	862	19700	37100	11800	237000	19700
13B-0525-C1AS	0 - 0.5 ft	16000 J	200 J	114 J	3610 J	1730 J	5630 J	55300 J	3610 J
13B-0525-C1BS	0.5 - 1.5 ft	19800 J	229 J	155 J	4730 J	2040 J	6390 J	69900 J	4730 J
13B-0525-C1CS	1.5 - 2.5 ft	26500 J	449 J	373 J	5570 J	3550 J	7270 J	93600 J	5570 J
13B-0525-C1HS	6.42 - 7.42 ft	50300	916	505	15900	16400	13100	203000	15900
13B-0526-C1AS	0 - 0.5 ft	158000 J	1460 J	828 J	31600 J	23300 J	67200 J	557000 J	31600 J
13B-0526-C1BS	0.5 - 1.5 ft	418000 J	2910 J	1650 J	69500 J	28300 J	198000 J	1450000 J	69500 J
13B-0526-C1CS	1.5 - 2.5 ft	414000 J	4480 J	2060 J	80100 J	63900 J	157000 J	1460000 J	80100 J
13B-0526-C1CT	1.5 - 2.5 ft	416000 J	5820 J	2030 J	78200 J	67000 J	161000 J	1460000 J	78200 J
13B-0526-C1HS	6.5 - 7.62 ft	18000	190	286	4480	2930 J	1720	74000	4480
13B-0527-C2AS	0 - 0.5 ft	1090	11.9 EMPC-J	7.43 U	213	107	392	3720	213
13B-0527-C2BS	0.5 - 1.5 ft	24.7 J	4.9 U	4.87 U	5.3 U	5.14 U	4.96 U	85.9 J	5.3 U
13B-0527-C2CS	1.5 - 2.6 ft	5.44 U	5.05 U	5.02 U	4.57 U	6.7 U	5.11 U	20.6 J	4.57 U
13B-0528-C3AS	0 - 0.5 ft	39500 J	420 J	18.1 UJ	7180 J	3900 J	17000 J	140000 J	7180 J
13B-0528-C3BS	0.5 - 1.5 ft	458000 J	2930 J	1800 J	80000 J	38500 J	190000 J	1380000 J	80000 J
13B-0528-C3CS	1.5 - 2.5 ft	47400 J	216 J	331 J	8540 J	5640 J	17900 J	179000 J	8540 J
13B-0528-C3LS	10.5 - 11.54 ft	108	52.6	13.9 U	37.6 EMPC-J	64.1 J	37.4 J	574	37.6 EMPC-J
13B-0529-C2AS	0 - 0.5 ft	3450	53.2	27.7	1060	681 J	1280	11800	1060
13B-0529-C2BS	0.5 - 1.5 ft	402	5.09 EMPC-J	5.31 J	90.4	52.8 J	130	1320	90.4
13B-0529-C2CS	1.5 - 2.5 ft	117	5.48 U	5.31 U	20.5 J	9.37 J	23.5	351	20.5 J
13B-0529-C2ES	3.5 - 4.2 ft	5.53 U	5.4 U	5.24 U	5.7 U	9.3 UJ	5.26 U	12.2 EMPC-J	5.7 U
13B-0530-C1AS	0 - 0.5 ft	2320	40.4 J	20.6 U	567	920	744	7770	567
13B-0530-C1BS	0.5 - 1.5 ft	26700	430	350	7600	14900	7490	102000	7600
13B-0530-C1CS	1.5 - 1.8 ft	3990	74.1	70 EMPC-J	1350	7940	27.3 U	18200	1350
13B-0531-C2AS	0 - 0.5 ft	1140	7.26 U	6.99 U	289	320	366	3730	289
13B-0531-C2AT	0 - 0.5 ft	1210	10.8 U	10.4 U	349	201 J	413	4050	349
13B-0531-C2BS	0.5 - 1.5 ft	5360 J	9.52 U	9.17 U	826	101	1490	18000 J	826
13B-0531-C2CS	1.5 - 2.5 ft	30.6 EMPC-J	5.16 U	5.23 U	5.97 J	6.73 U	12.2 EMPC-J	108 U	5.97 J
13B-0531-C2ES	3.5 - 4.42 ft	5.55 U	5.37 U	5.44 U	3.48 U	5.26 U	5.32 U	12.5 U	3.48 U
13B-0532-C1AS	0 - 0.5 ft	2040	31 J	21.8 J	525	600 J	666	6980	525
13B-0532-C1BS	0.5 - 1.5 ft	452	8.69 U	8.47 U	127 J	149 J	130	1670	127 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	37.5 J	6.46 U	6.29 U	12.3 J	21.5 J	14.6 J	199	12.3 J
13B-0532-C1DS	2.5 - 3.73 ft	6.84 U	6.55 U	6.38 U	6.37 U	6.5 UJ	6.37 U	11.9 EMPC-J	6.37 U
13B-0533-C2AS	0 - 0.5 ft	31500 J	340 J	242 J	6240 J	2710 J	13100 J	113000 J	6240 J
13B-0533-C2AT	0 - 0.5 ft	25400 J	254 J	133 J	4970 J	2170 J	10100 J	90400 J	4970 J
13B-0533-C2BS	0.5 - 1.5 ft	404000 J	3180 J	3380 J	74600 J	28100 J	133000 J	1340000 J	74600 J
13B-0533-C2CS	1.5 - 2.5 ft	60200 J	267 J	336 J	10400 J	3490 J	10500 J	224000 J	10400 J
13B-0533-C2JS	8.5 - 9.62 ft	1660	16.6 U	21.5 J	297	154 J	648	7830	297
13B-0533-C2JT	8.5 - 9.62 ft	1460	13.5 U	21.6 J	248	145 J	594	6970	248
13B-0534-C2AS	0 - 0.5 ft	225000 J	2500 J	871 J	40900 J	36500 J	117000 J	765000 J	40900 J
13B-0534-C2AT	0 - 0.5 ft	208000 J	1990 J	765 J	38600 J	34300 J	110000 J	702000 J	38600 J
13B-0534-C2BS	0.5 - 1.5 ft	78000	605	533	13400	6010 J	21100	275000	13400
13B-0534-C2CS	1.5 - 2.5 ft	2030	61	52.3	306	625 J	678	15400	306
13B-0534-C2IS	7.5 - 8.59 ft	439	13 U	12.7 U	84 J	59.8 J	180	2130	84 J
13B-0535-C2AS	0 - 0.5 ft	19100 J	244 J	129 J	3950 J	1880 J	6760 J	66000 J	3950 J
13B-0535-C2BS	0.5 - 1.5 ft	338	15.3 U	14.6 U	82.1 J	49.5 J	99.2	1230	82.1 J
13B-0535-C2CS	1.5 - 2.45 ft	29.2 J	8.89 U	8.6 U	7.65 U	14.9 U	9.06 U	118 J	7.65 U
13B-0536-C1AS	0 - 0.5 ft	9500 J	120 J	60.3 J	1690 J	941 J	3410 J	33200 J	1690 J
13B-0536-C1BS	0.5 - 1.5 ft	179	3.94 U	3.82 U	30.7 J	38.8 J	82.3	744	30.7 J
13B-0536-C1CS	1.5 - 2.5 ft	71.7	4.72 U	4.57 U	13.4 J	78.6	27.9 J	300	13.4 J
13B-0536-C1FS	4.28 - 5.28 ft	14.9 J	5.44 U	5.27 U	2.57 U	20.3 J	8.4 J	59.9 J	2.57 U
13B-0537-C3AS	0 - 0.5 ft	4340	69.2	34.2 EMPC-J	1020	1000	1400	15200	1020
13B-0538-C3AS	0 - 0.5 ft	461000 J	4490 J	1150 J	77100 J	98600 J	267000 J	1470000 J	77100 J
13B-0538-C3BS	0.5 - 1.5 ft	426000 J	3750 J	1220 J	73600 J	75000 J	250000 J	1360000 J	73600 J
13B-0538-C3CS	1.5 - 2.5 ft	331000 J	2800 J	816 J	56300 J	72600 J	188000 J	1010000 J	56300 J
13B-0538-C3ES	3.5 - 4.8 ft	67.9	9.2 U	8.88 U	11.7 EMPC-J	27 J	41.5 J	221	11.7 EMPC-J
13B-0539-C3AS	0 - 0.5 ft	41400	331	475	7990	3360	5600	167000	7990
13B-0539-C3AT	0 - 0.5 ft	59000	474	628	10700	4810	7620	235000	10700
13B-0539-C3BS	0.5 - 1.5 ft	3600	62.9 U	61.9 U	576	1290	977	25900	576
13B-0539-C3CS	1.5 - 2.5 ft	1670	36.2 U	35.6 U	307	382	613	8660	307
13B-0539-C3HS	6.5 - 7.59 ft	6.22 U	5.75 U	5.65 U	4.32 U	8.53 U	5.75 U	16.6 J	4.32 U
13B-0540-C4AS	0 - 0.5 ft	13900 J	166 J	109 J	3230 J	1430 J	5130 J	48300 J	3230 J
13B-0540-C4BS	0.5 - 1.5 ft	45800 J	514 J	486 J	8820 J	9930 J	10200 J	164000 J	8820 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	352000 J	2820 J	1840 J	62400 J	66400 J	117000 J	1070000 J	62400 J
13B-0540-C4LS	10.3 - 11.25 ft	17.6 J	8.96 U	8.77 U	10.2 U	15.2 UJ	9.25 U	48.1 EMPC-J	10.2 U
13B-0541-C1AS	0 - 0.5 ft	48300 J	539 J	296 J	10400 J	8210 J	12600 J	160000 J	10400 J
13B-0541-C1BS	0.5 - 1.5 ft	63100	820	390	14300	16500	14600	202000	14300
13B-0541-C1CS	1.5 - 2.5 ft	13300	129	139	2480	1410	1260	44700	2480
13B-0541-C1FS	4.5 - 5.67 ft	16.4 J	10.7 U	10.3 U	10.8 U	20 U	10.8 U	51.9 J	10.8 U
13B-0542-C2AS	0 - 0.5 ft	407	15.2 U	14.7 U	92.7 J	63 J	146	1530	92.7 J
13B-0542-C2BS	0.5 - 1.5 ft	9.68 U	9.11 U	8.82 U	6.32 U	12.4 U	9.29 U	19.6 J	6.32 U
13B-0542-C2CS	1.5 - 2.5 ft	11.9 U	11.2 U	10.8 U	8.21 U	13.5 U	11.4 U	20.8 EMPC-J	8.21 U
13B-0542-C2HS	6.5 - 7.55 ft	9.16 U	8.62 U	8.34 U	6.2 U	11.6 U	8.79 U	8.42 U	6.2 U
13B-0543-G1AS	0 - 0.5 ft	12000 J	144 J	79.3 J	2120 J	1080 J	4150 J	40500 J	2120 J
13B-0544-C2AS	0 - 0.5 ft	10000 J	114 J	60.5 J	2180 J	943 J	3490 J	34700 J	2180 J
13B-0544-C2BS	0.5 - 1.5 ft	12700	129	101	2780	1410	4090	47900	2780
13B-0544-C2CS	1.5 - 2.5 ft	20800	221 EMPC-J	205	4440	2190	6640	72800	4440
13B-0544-C2ES	3 - 3.97 ft	5870	97.6	90.5	7.91 U	2880	1740	25500	7.91 U
13B-0546-G2AS	0 - 0.5 ft	915	19.8 EMPC-J	14.9 U	865	385 J	387	3400	865
13B-0547-C2AS	0 - 0.5 ft	342000 J	3300 J	2320 J	58500 J	21600 J	89400 J	1130000 J	58500 J
13B-0547-C2BS	0.5 - 1.5 ft	92400 J	784 J	815 J	15100 J	4540 J	13700 J	326000 J	15100 J
13B-0547-C2CS	1.5 - 2.05 ft	939	15.1 U	14.3 U	170	92.7 J	216	3760	170
13B-0547-C2HS	6.5 - 7.15 ft	5.31 U	5.13 U	5.11 U	5.48 U	6.76 UJ	5.1 U	17.5	5.48 U
13B-0548-C1AS	0 - 0.5 ft	7150	110	69.3	1650	1860	2300	25200	1650
13B-0548-C1BS	0.5 - 1.5 ft	6950	100	48.9	1540	1300	2220	25300	1540
13B-0548-C1BT	0.5 - 1.5 ft	6900	87	56.9	1560	1370	2270	24700	1560
13B-0548-C1CS	1.5 - 2.5 ft	10800	154	190	3360	6570	3330	47600	3360
13B-0548-C1IS	7.5 - 8.79 ft	14.2 U	13.5 U	13.3 U	8.61 U	14.6 U	13.9 U	13.1 U	8.61 U
13B-0549-C3AS	0 - 0.5 ft	7260	86.7	23.9 U	1470	601	2480	24000	1470
13B-0549-C3BS	0.5 - 1.5 ft	11.3 U	10.8 U	10.5 U	8.96 U	21.2 U	11 U	35.4 J	8.96 U
13B-0549-C3CS	1.5 - 2.65 ft	9.89 U	9.5 U	9.22 U	6.71 U	13.5 U	9.63 U	28.5 J	6.71 U
13B-0550-C3AS	0 - 0.5 ft	7300 J	86.4 J	83.6 J	1590 J	999 J	2590 J	26200 J	1590 J
13B-0550-C3BS	0.5 - 1.5 ft	2430	27	28.4	549	772 J	681	8990	549
13B-0550-C3CS	1.5 - 2.5 ft	4.71 U	4.6 U	4.46 U	3.73 U	3.11 UJ	4.57 U	18.3 J	3.73 U
13B-0550-C3FS	4.5 - 5.37 ft	3.46 U	3.38 U	3.27 U	3.13 U	4.11 UJ	3.36 U	7.56 J	3.13 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	11600	130	121	2540	1440 J	2640	39900	2540
13B-0551-C2BS	0.5 - 0.88 ft	10500	112	104	2230	1060 J	1800	35400	2230
13B-0552-C3AS	0 - 0.5 ft	17700 J	190 J	143 J	3510 J	2210 J	6710 J	61500 J	3510 J
13B-0552-C3BS	0.5 - 1.5 ft	28700	455	444	7460	12300	9420	118000	7460
13B-0552-C3CS	1.5 - 2.38 ft	226000 J	2300	1390	41900	29100	72300	796000 J	41900
13B-0552-C3CT	1.5 - 2.38 ft	189000 J	2000	1260	36400	23500	60700	639000	36400
13B-0553-C2AS	0 - 0.5 ft	3990	63 J	34.8 J	879	494 J	1380	15000	879
13B-0553-C2BS	0.5 - 1.5 ft	55.4	5.91 U	5.79 U	17.8 J	17.8 J	19.2 J	247	17.8 J
13B-0553-C2CS	1.5 - 2.5 ft	20.2 J	11.7 U	11.2 U	9.17 U	81.5 J	11.8 U	49.6 J	9.17 U
13B-0553-C2DS	2.5 - 3.5 ft	19.6 U	18.8 U	18 U	12.2 U	45.9 J	18.9 U	60 EMPC-J	12.2 U
13B-0554-C1AS	0 - 0.5 ft	4120	53.5	23.2 EMPC-J	978	727	1360	14700	978
13B-0554-C1BS	0.5 - 1.5 ft	14300	171	90.4	2930	1480	5130	47900	2930
13B-0554-C1CS	1.5 - 2.5 ft	15800	290	160	4750	7160	4030	64800	4750
13B-0554-C1ES	3.5 - 4.7 ft	10.5 U	10 U	9.65 U	7.07 U	6.96 U	10.1 U	32.7 U	7.07 U
13B-0555-C1AS	0 - 0.5 ft	458000 J	3370 J	2790 J	88300 J	76200 J	130000 J	1540000 J	88300 J
13B-0555-C1BS	0.5 - 1.22 ft	136000	1200	1200	28300	18700 J	16500	445000	28300
13B-0555-C2CS	1.5 - 2 ft	635000 J	5470 J	3860 J	125000 J	111000 J	207000 J	2110000 J	125000 J
13B-0555-C2DS	2 - 3 ft	208000 J	1810 J	1390 J	40600 J	18000 J	45400 J	682000 J	40600 J
13B-0556-C2AS	0 - 0.5 ft	10600 J	133 J	96.3 J	2350 J	900 J	3590 J	34900 J	2350 J
13B-0556-C2BS	0.5 - 1.5 ft	13100	142	139	2890	1020 J	3650	43900	2890
13B-0556-C2CS	1.5 - 2.38 ft	7080	77.8	69.2	1650	992 J	2030	22600	1650
13B-0557-C2AS	0 - 0.5 ft	14500 J	202 J	39.8 UJ	3190 J	2470 J	4510 J	57200 J	3190 J
13B-0557-C2BS	0.5 - 1.5 ft	15000 J	191 J	159 J	2980 J	1760 J	4880 J	55600 J	2980 J
13B-0557-C2CS	1.5 - 2.5 ft	34000	643	490	10100	20300	8500	144000	10100
13B-0557-C2ES	3.5 - 4.5 ft	59200	737	563	12300	18100	15200	232000	12300
13B-0558-C2AS	0 - 0.5 ft	7190 J	128 J	136 J	2130 J	3790 J	2260 J	29500 J	2130 J
13B-0558-C2BS	0.5 - 1.5 ft	3180	45.3	61.2	1010	2620 J	796	14800	1010
13B-0558-C2CS	1.5 - 2.5 ft	85.4	10.5 U	10.3 U	20.1 J	51.5 J	28.3 EMPC-J	425	20.1 J
13B-0558-C2FS	4.5 - 5.75 ft	8.96 U	8.63 U	8.51 U	10.1 U	8.91 UJ	8.67 U	34.1 U	10.1 U
13B-0559-C3AS	0 - 0.5 ft	4340	50.6	44.5	922	772	1490	14700	922
13B-0559-C3BS	0.5 - 1.5 ft	11600 J	129 J	133 J	2690 J	2660 J	3320 J	41300 J	2690 J
13B-0559-C3CS	1.5 - 2.5 ft	23100	368	253	6370	9240	6360	91000	6370

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	58200 J	670	494	11700	15500	14300	206000 J	11700
13B-0560-C1AS	0 - 0.5 ft	2440	32.4 J	22.6 U	639	580 J	962	8530	639
13B-0560-C1BS	0.5 - 1.5 ft	9320	152	87.8	2260	3260	3300	32000	2260
13B-0560-C1CS	1.5 - 2.5 ft	13800 J	136 J	88.1 J	3640 J	5290 J	4910 J	53600 J	3640 J
13B-0560-C1GS	5.14 - 5.86 ft	63	23.6 U	23.1 U	10.8 U	85.7	24.6 U	197	10.8 U
13B-0561-C1AS	0 - 0.5 ft	138000	1550	1490	28000	35700 J	19700	459000	28000
13B-0561-C1BS	0.5 - 1.5 ft	81600	838	756	16700	23500 J	10400	262000	16700
13B-0561-C1CS	1.5 - 2.5 ft	57400	1880	912	17000	51900 J	16400	204000	17000
13B-0561-C1GS	5.5 - 6.5 ft	15.4 U	14.2 U	13.7 U	12.1 U	19.2 U	14.8 U	45.1 J	12.1 U
13B-0562-G2AS	0 - 0.5 ft	2430	33.1 EMPC-J	21.2 U	726	469	841	8520	726
13B-0563-C2AS	0 - 0.5 ft	834	11.4 U	11.4 U	231	215 J	305	2800	231

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-56	PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	5.86	5.09	5.31	4.97	9.37	8.4	7.56	4.97
	Maximum Detect	635000	5820	3860	125000	139000	267000	2110000	125000
	Mean of Detects	52600	706	505	10900	9900	20200	167000	10900
	St. Dev. of Detects	111000	1170	694	21100	20300	47000	357000	21100
	CV of Detects	2.12	1.66	1.37	1.92	2.05	2.33	2.14	1.92
	% Detected	88.7	66.4	58.0	81.5	82.8	81.5	95.0	81.5
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	1320	27.6 J	14 U	368	245 J	448	4550	368
13B-0563-C2BS	0.5 - 1.1 ft	9.94 U	12.1 J	9.23 U	143	134 J	9.67 U	1550	143
13B-0563-C2CS	1.1 - 2.5 ft	489000 J	5770 J	2860 J	89100 J	139000 J	154000 J	1530000 J	89100 J
13B-0563-C2IS	7.5 - 8.28 ft	1950	145	29.3 J	408	613 J	429	8960	408
13B-0564-G2AS	0 - 0.5 ft	28600 J	302 J	159 J	5110 J	2790 J	10700 J	97400 J	5110 J
13B-0565-G1AS	0 - 0.5 ft	3620	24.4 U	24.3 U	821	300	1390	12100	821
13B-0566-G3AS	0 - 0.5 ft	3960	125	63.7	985	562	1220	14700	985
13B-0567-G2AS	0 - 0.5 ft	16100 J	207 J	134 J	3390 J	1870 J	5900 J	55600 J	3390 J
13B-0568-G2AS	0 - 0.5 ft	82000 J	770 J	746 J	15900 J	13300 J	11700 J	296000 J	15900 J
13B-0570-G3AS	0 - 0.5 ft	15400 J	171 J	19.1 UJ	2900 J	1300 J	5480 J	52500 J	2900 J
13B-0571-C3AS	0 - 0.5 ft	3450	44.3 J	7.82 U	875	413	1150	11100	875
13B-0571-C3BS	0.5 - 1.5 ft	1100	6.29 U	6 U	373	170	315	2820	373
13B-0571-C3CS	1.5 - 2.5 ft	43.9 J	3.11 U	2.97 U	11.1 J	1.99 U	16.8 J	126 J	11.1 J
13B-0571-C3MS	11 - 12 ft	2.59 U	2.42 U	2.31 U	1.51 U	3.25 U	2.45 U	6.56 U	1.51 U
13B-0572-C1AS	0 - 0.5 ft	297	17.9 U	17.5 U	75.2 J	94.9 J	99.5	1170	75.2 J
13B-0572-C1BS	0.5 - 1.5 ft	31 U	29.4 U	28.7 U	18.8 U	26.5 U	29.7 U	87.8 J	18.8 U
13B-0572-C1CS	1.5 - 2.27 ft	19.5 U	18.5 U	18 U	12.6 U	17.2 U	18.7 U	30.7 J	12.6 U
13B-0573-C2AS	0 - 0.5 ft	4160	67.7 EMPC-J	57.6 EMPC-J	1170	1320 J	1470	14600	1170
13B-0573-C2BS	0.5 - 1.5 ft	1570	28.5 J	18.9 U	399	614 J	576	5260	399
13B-0573-C2CS	1.5 - 2.5 ft	15700	176	155	3280	4540 J	4190	60800	3280
13B-0573-C2DS	2.5 - 3.75 ft	94.1 EMPC-J	14.8 U	14.2 U	16.8 EMPC-J	17.5 J	19 EMPC-J	357	16.8 EMPC-J
13B-0574-C2AS	0 - 0.5 ft	45100	613	259	6780	8670	15600	159000	6780
13B-0574-C2BS	0.5 - 1.5 ft	38800	408	258	5840	7530 J	12800	137000	5840
13B-0574-C2CS	1.5 - 2.5 ft	56700	576	517	8680	7710	18200	210000	8680
13B-0574-C2HS	6.4 - 7.4 ft	92600	1030	749	16200	15700	20200	319000	16200
13B-0575-C4AS	0 - 0.5 ft	247000 J	2640 J	1310 J	47500 J	40800 J	90300 J	819000 J	47500 J
13B-0575-C4BS	0.5 - 1.5 ft	110000	1150	696	21500	17700	33100	379000	21500
13B-0575-C4CS	1.5 - 2.5 ft	93.5	13.4 U	12.9 U	10.6 U	63.5 J	31.3 J	353	10.6 U
13B-0575-C4FS	4.3 - 5.44 ft	22.3 J	9.65 U	9.3 U	6.14 U	5.71 U	9.73 U	75.3 J	6.14 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-56**	**PCB-57**	**PCB-58**	**PCB-59**	**PCB-6**	**PCB-60**	**PCB-61**	**PCB-62**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**5.86**	**5.09**	**5.31**	**4.97**	**9.37**	**8.4**	**7.56**	**4.97**
	Maximum Detect	**635000**	**5820**	**3860**	**125000**	**139000**	**267000**	**2110000**	**125000**
	Mean of Detects	**52600**	**706**	**505**	**10900**	**9900**	**20200**	**167000**	**10900**
	St. Dev. of Detects	**111000**	**1170**	**694**	**21100**	**20300**	**47000**	**357000**	**21100**
	CV of Detects	**2.12**	**1.66**	**1.37**	**1.92**	**2.05**	**2.33**	**2.14**	**1.92**
	% Detected	**88.7**	**66.4**	**58.0**	**81.5**	**82.8**	**81.5**	**95.0**	**81.5**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	3390 J	32.1 EMPC-J	21.7 UJ	829 J	281 J	1140 J	10000 J	829 J
13B-0578-C5AS	0 - 0.5 ft	1080	15.4 J	7.57 U	218	166	358	3730	218
13B-0578-C5BS	0.5 - 1.5 ft	2760	25 EMPC-J	23 J	576	227	411	9640	576
13B-0578-C5CS	1.5 - 2.5 ft	90.5	25.1 U	22.6 U	7.18 U	44.6 U	23.1 U	519	7.18 U
13B-0578-C5CT	1.5 - 2.5 ft	105	13 U	11.7 U	30.9 J	12.1 U	12 U	573	30.9 J
13B-0578-C5GS	5.25 - 6.25 ft	23.2 J	7.68 U	6.93 U	4.75 U	11.5 U	7.09 U	70.1 J	4.75 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	230	2400	15500	5490	299	143	6160	52.6 J
13B-0501-C1BS	0.5 - 1.5 ft	267	3280	11900	6330	221	105	6640	158 J
13B-0501-C1CS	1.5 - 2.5 ft	808	9480	35200	18600	652	230	19400	179 J
13B-0501-C1DS	2.5 - 3.07 ft	75.2	1220	6830	1910	81.9	69.6	5510	14.6 J
13B-0502-C2AS	0 - 0.5 ft	229	2920	9530	6240	230	143 U	5470	55.9 J
13B-0502-C2BS	0.5 - 1.5 ft	1690	22000	104000	44900 J	2140	1200	54100	410
13B-0502-C2CS	1.5 - 2.45 ft	7680	95200 J	387000 J	227000 J	7800	4500	218000 J	2530
13B-0503-C1AS	0 - 0.5 ft	69.6	653	1980 U	1590	60.5	21.9 U	1190	14.6 U
13B-0503-C1BS	0.5 - 1.5 ft	16.1 U	12.5 U	58.2 U	18.4 U	16.6 U	15.9 U	15.4 U	10.5 U
13B-0503-C1CS	1.5 - 2.5 ft	15.4 U	12.3 U	17.1 U	22.4	15.9 U	15.2 U	15.1 U	16.7 U
13B-0503-C1DS	2.5 - 2.5 ft	16 U	9.85 U	13.6 U	18.4 U	16.6 U	15.8 U	12.1 U	17.7 U
13B-0504-C4AS	0 - 0.5 ft	4050 J	38700 J	114000 J	110000 J	2520 J	1010 J	83300 J	270 J
13B-0504-C4BS	0.5 - 1.5 ft	2030 J	19800 J	63800 J	61300 J	897 J	527 J	48000 J	250 J
13B-0504-C4CS	1.5 - 2.5 ft	658	6660	21700	21200	416	183	16700	111 J
13B-0504-C4KS	9.5 - 10.25 ft	8.16 EMPC-J	101	282	282	5.31 U	5.09 U	208	6.35 J
13B-0505-C1AS	0 - 0.5 ft	1110 J	12200 J	43500 J	28100 J	1230 J	368 J	25000 J	353 J
13B-0505-C1BS	0.5 - 1.5 ft	364	4410	16900	8200	597	213	9530	247
13B-0505-C1CS	1.5 - 2.5 ft	4490	50100	174000	77600	6880	1190	99400	1950
13B-0505-C1FS	4.5 - 5.2 ft	21.3 U	32 J	83 J	74.1	22 U	22.3 U	43.5 EMPC-J	26.9 U
13B-0506-C2AS	0 - 0.5 ft	491	4520	13800	13200	481	144	8130	66.2
13B-0506-C2BS	0.5 - 1.5 ft	55.7	492	1560	1200	51.9	20.7 EMPC-J	1010	14.4 J
13B-0506-C2CS	1.5 - 2.5 ft	4.35 U	40.7 J	123 J	102	4.51 U	4.25 U	80.9 J	13.4 U
13B-0507-C2AS	0 - 0.5 ft	13.8 J	130	406	284	10.2 EMPC-J	3.96 U	231	3.59 UJ
13B-0507-C2BS	0.5 - 1.5 ft	3.38 U	4.08 U	213	11.5 J	3.29 U	31.1 J	4.77 U	3.88 UJ
13B-0507-C2CS	1.5 - 2.5 ft	2.58 U	3.22 U	4.22 U	2.94 U	2.51 U	2.59 U	3.77 U	1.91 UJ
13B-0507-C2DS	2.5 - 3.5 ft	4.43 U	5.31 U	77.7 J	5.05 U	4.32 U	9.64 EMPC-J	6.22 U	2.71 UJ
13B-0508-G3AS	0 - 0.5 ft	21.5	198	632	471	15.1 U	14.3 U	373	17.2 UJ
13B-0509-C1AS	0 - 0.5 ft	8190	98100 J	255000 J	215000 J	9230	1180	161000 J	3130
13B-0509-C1BS	0.5 - 1.5 ft	352	4430	11400	9630	388	46	7200	98.7
13B-0509-C1CS	1.5 - 2.5 ft	11.2 U	33.5	78	69.6	11.4 U	11 U	59.7	9.59 U
13B-0509-C1ES	3.17 - 4.17 ft	13.7 U	20.1	58.5 U	59.5	13.9 U	13.3 U	35 U	10.1 U
13B-0510-C3AS	0 - 0.5 ft	1760	23100	63800	59500	1110	433	40400	124 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	105	1610	4770	4130	76.3	98.3	2770	15.8 J
13B-0511-C3AS	0 - 0.5 ft	1550 J	13800 J	42900 J	40800 J	1480 J	450 J	25300 J	212 J
13B-0511-C3BS	0.5 - 1.5 ft	1380	13000	39200	37400	1320	346	23800	284 J
13B-0511-C3CS	1.5 - 2.5 ft	6800	69000	170000	166000	6400	840	104000	1520 J
13B-0511-C3HS	5.95 - 6.95 ft	3330	40300	99200	116000	2750	744	65800	442 J
13B-0512-G1AS	0 - 0.5 ft	982 J	10300 J	32300 J	25400 J	903 J	275 J	19100 J	164 J
13B-0513-G1AS	0 - 0.5 ft	8320 J	94600 J	229000 J	222000 J	7420 J	679 J	135000 J	2180 J
13B-0514-G1AS	0 - 0.5 ft	1210 J	13100 J	40400 J	31100 J	1260 J	365 J	25100 J	268 J
13B-0515-C1AS	0 - 0.5 ft	300	3230	9370	8460	264	75.5	5700	37.5 J
13B-0515-C1BS	0.5 - 1.71 ft	4.38 U	25 J	63.1 J	57.2	4.73 U	4.31 U	39.8 J	7.98 U
13B-0515-C2CS	1.5 - 2.19 ft	4.78 U	15.9 J	43.2 J	52.1	5.17 U	4.71 U	27.8 J	8.57 U
13B-0516-C2AS	0 - 0.5 ft	1050 J	10500 J	32100 J	31500 J	1060 J	442 J	19900 J	193 J
13B-0516-C2BS	0.5 - 1.5 ft	2080 J	27300 J	91800 J	59100 J	3500 J	1130 J	58600 J	673 J
13B-0516-C2CS	1.5 - 2.5 ft	7640 J	83500 J	234000 J	110000 J	11800 J	1980 J	148000 J	5560 J
13B-0516-C2LS	10.4 - 11.4 ft	6210	62800	165000	151000	5330	1370	110000	2440
13B-0517-G2AS	0 - 0.5 ft	8.04 U	466	1390	935	8.32 U	10.7 EMPC-J	803	9.49 U
13B-0518-G1AS	0 - 0.5 ft	229	2540	7510	5890	228	62.4	4430	30.2 J
13B-0518-G1AT	0 - 0.5 ft	281	3240	9880	7140	267	75.7	5850	45.4 J
13B-0519-C2AS	0 - 0.5 ft	813 J	9650 J	29100 J	22700 J	812 J	288 J	17600 J	156 J
13B-0519-C2BS	0.5 - 1.5 ft	668	9350	31300	20400	1030	404	20000	246
13B-0519-C2CS	1.5 - 2.5 ft	14600 J	157000 J	374000 J	323000 J	15300 J	2100 J	240000 J	3240 J
13B-0519-C2RS	16.1 - 17.1 ft	10.6 U	53.4	138 J	190	11 U	11.1 U	48.2 J	10.4 U
13B-0520-G1AS	0 - 0.5 ft	968 J	10100 J	32300 J	24700 J	893 J	246 J	18900 J	142 J
13B-0521-C2AS	0 - 0.5 ft	115	1390	4510	3150	119 EMPC-J	17.5 U	2560	27.9 J
13B-0521-C2BS	0.5 - 1.5 ft	74.3	743	2580	1630	72.8 EMPC-J	29.1 J	1530	14.9 J
13B-0521-C2CS	1.5 - 2.5 ft	166	1790	5690	4170	135 EMPC-J	39.2 EMPC-J	3370	24 J
13B-0521-C2HS	6.5 - 7.63 ft	31400 J	343000 J	837000 J	785000 J	27300 J	2880 J	506000 J	7270 J
13B-0522-G1AS	0 - 0.5 ft	1440 J	15100 J	48200 J	36300 J	1360 J	394 J	27400 J	210 J
13B-0522-G1AT	0 - 0.5 ft	1410 J	14200 J	45800 J	35400 J	1310 J	367 J	26200 J	241 J
13B-0523-G2AS	0 - 0.5 ft	1410 J	14700 J	45900 J	39000 J	1340 J	463 J	27200 J	224 J
13B-0524-C1AS	0 - 0.5 ft	1010 J	12300 J	37400 J	27600 J	1020 J	270 J	22100 J	168 J
13B-0524-C1BS	0.5 - 1.5 ft	1330	17300	55400	39700	1300	438	33700	224 EMPC-J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	1650	26600	90700	65400	2070	1030	56900	579
13B-0524-C1GS	5.39 - 6.39 ft	6760	80700	210000	131000	9290	1510	142000	4470
13B-0525-C1AS	0 - 0.5 ft	1300 J	15100 J	47900 J	35700 J	1270 J	363 J	27800 J	234 J
13B-0525-C1BS	0.5 - 1.5 ft	1550 J	19400 J	62000 J	46600 J	1500 J	526 J	37300 J	266 J
13B-0525-C1CS	1.5 - 2.5 ft	1850 J	23400 J	83700 J	63500 J	2170 J	1160 J	56400 J	505 J
13B-0525-C1HS	6.42 - 7.42 ft	5260	65500	174000	122000	4700	1100	106000	4520
13B-0526-C1AS	0 - 0.5 ft	12500 J	143000 J	375000 J	315000 J	9750 J	1020 J	216000 J	3880 J
13B-0526-C1BS	0.5 - 1.5 ft	32000 J	345000 J	870000 J	790000 J	24300 J	2330 J	489000 J	4510 J
13B-0526-C1CS	1.5 - 2.5 ft	35000 J	355000 J	900000 J	811000 J	29800 J	3100 J	507000 J	9580 J
13B-0526-C1CT	1.5 - 2.5 ft	34100 J	353000 J	902000 J	805000 J	28900 J	2950 J	512000 J	10000 J
13B-0526-C1HS	6.5 - 7.62 ft	1650	19700	53700	48500	1290	445	38200	425 J
13B-0527-C2AS	0 - 0.5 ft	96.4	909	2740	2370	85.3	23.1 J	1610	7.33 U
13B-0527-C2BS	0.5 - 1.5 ft	4.39 U	21.5 J	62.9 J	51.4	4.67 U	4.25 U	36.5 J	4.74 U
13B-0527-C2CS	1.5 - 2.6 ft	4.52 U	4.31 U	25.2 EMPC-J	12.2 J	4.81 U	4.38 U	10.5 J	6.18 U
13B-0528-C3AS	0 - 0.5 ft	3320 J	33000 J	90200 J	78800 J	3290 J	481 J	51700 J	375 J
13B-0528-C3BS	0.5 - 1.5 ft	31100 J	352000 J	1010000 J	741000 J	24100 J	2540 J	561000 J	5930 J
13B-0528-C3CS	1.5 - 2.5 ft	58.9 UJ	41200 J	128000 J	85800 J	62.8 UJ	531 J	72500 J	482 J
13B-0528-C3LS	10.5 - 11.54 ft	25.1 EMPC-J	108	681	398	13.8 U	45.1 J	737	7 UJ
13B-0529-C2AS	0 - 0.5 ft	332	4250	13100	7830	285	98.8	7670	60.5 J
13B-0529-C2BS	0.5 - 1.5 ft	34.8	405	1140	879	32.1	13	728	6.13 J
13B-0529-C2CS	1.5 - 2.5 ft	8.86 J	95.4	354	205	6.3 EMPC-J	22	168	5.72 UJ
13B-0529-C2ES	3.5 - 4.2 ft	4.86 U	5.47 U	7.29 U	6.25 J	4.93 U	4.78 U	6.49 U	8.42 UJ
13B-0530-C1AS	0 - 0.5 ft	207	2170	7710	4690	20.5 U	51.3 EMPC-J	5750	75.5 EMPC-J
13B-0530-C1BS	0.5 - 1.5 ft	2640	29300	103000	56300	3150	923	72000	1070
13B-0530-C1CS	1.5 - 1.8 ft	365	5360	19400	7540	857	214	13200	458
13B-0531-C2AS	0 - 0.5 ft	87.8	1160	3650	2480	84	6.93 U	2110	4.19 U
13B-0531-C2AT	0 - 0.5 ft	120	1180	5440	2840	104	99.6	2770	22 J
13B-0531-C2BS	0.5 - 1.5 ft	368	4330 J	11000 J	10600 J	339	70.8	7930 J	3.99 U
13B-0531-C2CS	1.5 - 2.5 ft	4.4 U	22.3 EMPC-J	53.5 U	53.9 U	5.14 U	4.8 U	31.8 U	6.34 U
13B-0531-C2ES	3.5 - 4.42 ft	4.57 U	3.32 U	4.45 U	5.31 U	5.34 U	4.99 U	3.93 U	4.95 U
13B-0532-C1AS	0 - 0.5 ft	176	2060	7140	4620	189	86.5	4530	49.7 EMPC-J
13B-0532-C1BS	0.5 - 1.5 ft	39 J	487	1840	1040	49.9	23.5 J	1170	6.27 UJ

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	5.84 U	46.7 J	148	121	5.99 U	5.59 U	117	5.83 UJ
13B-0532-C1DS	2.5 - 3.73 ft	5.92 U	6.07 U	8.08 U	6.82 U	6.08 U	5.66 U	7.24 U	6.01 UJ
13B-0533-C2AS	0 - 0.5 ft	2580 J	28200 J	78200 J	67900 J	2290 J	437 J	46800 J	375 J
13B-0533-C2AT	0 - 0.5 ft	2090 J	22000 J	61400 J	55200 J	1830 J	394 J	36500 J	281 J
13B-0533-C2BS	0.5 - 1.5 ft	32600 J	337000 J	833000 J	827000 J	26500 J	2900 J	528000 J	4690 J
13B-0533-C2CS	1.5 - 2.5 ft	5010 J	53700 J	146000 J	142000 J	3360 J	872 J	99500 J	469 J
13B-0533-C2JS	8.5 - 9.62 ft	129	1450	4010	3860	133	29.5 J	2790	20.2 J
13B-0533-C2JT	8.5 - 9.62 ft	119	1220	3460	3540	107	18.5 J	2440	20.7 J
13B-0534-C2AS	0 - 0.5 ft	17200 J	188000 J	482000 J	428000 J	15600 J	1050 J	252000 J	5790 J
13B-0534-C2AT	0 - 0.5 ft	15900 J	170000 J	453000 J	384000 J	14500 J	954 J	243000 J	5370 J
13B-0534-C2BS	0.5 - 1.5 ft	5960	65400	177000	165000	4360	776	106000	919 J
13B-0534-C2CS	1.5 - 2.5 ft	223	2000	7330	6130	790	114 EMPC-J	5440	92.6 J
13B-0534-C2IS	7.5 - 8.59 ft	30.6 EMPC-J	415	1200	1030	30.6 J	11.7 U	805	5.46 UJ
13B-0535-C2AS	0 - 0.5 ft	1550 J	17100 J	49300 J	41400 J	1490 J	369 J	29800 J	238 J
13B-0535-C2BS	0.5 - 1.5 ft	21.2 EMPC-J	348	1230	703	37 J	42.2 J	623	19.3 U
13B-0535-C2CS	1.5 - 2.45 ft	7.96 U	41.6 J	103 J	60.2	8.37 U	7.95 U	71.8 J	13.9 U
13B-0536-C1AS	0 - 0.5 ft	797 J	7350 J	22200 J	21400 J	749 J	228 J	13200 J	115 J
13B-0536-C1BS	0.5 - 1.5 ft	14.2 J	146	356	428	15.9 J	3.63 U	253	4.83 J
13B-0536-C1CS	1.5 - 2.5 ft	7.22 J	73.2	183	127	4.29 U	4.34 U	96.3 J	6.43 J
13B-0536-C1FS	4.28 - 5.28 ft	4.92 U	12.8 J	26.4 EMPC-J	38.2 J	4.95 U	5.01 U	17.9 J	10.4 J
13B-0537-C3AS	0 - 0.5 ft	400	5010	13600	8950	343	93.5	8250	6.83 U
13B-0538-C3AS	0 - 0.5 ft	32100 J	349000 J	935000 J	778000 J	29700 J	1560 J	474000 J	13800 J
13B-0538-C3BS	0.5 - 1.5 ft	29000 J	323000 J	895000 J	729000 J	27000 J	1500 J	462000 J	9840 J
13B-0538-C3CS	1.5 - 2.5 ft	21000 J	238000 J	658000 J	579000 J	19500 J	979 J	349000 J	10800 J
13B-0538-C3ES	3.5 - 4.8 ft	8.21 U	53.5	134 J	121	8.74 U	8.48 U	75.3 J	8 UJ
13B-0539-C3AS	0 - 0.5 ft	3430	41400	109000	110000	2500	927	75700	464
13B-0539-C3AT	0 - 0.5 ft	4800	55600	146000	155000	3620	1070	101000	679
13B-0539-C3BS	0.5 - 1.5 ft	401	3640	12200	12900	1010	200	10200	177
13B-0539-C3CS	1.5 - 2.5 ft	134	1440	4280	4970	192	67.5 EMPC-J	3620	28.7 J
13B-0539-C3HS	6.5 - 7.59 ft	5.26 U	4.23 U	5.54 U	7.93 EMPC-J	5.31 U	5.14 U	5.02 U	7.97 U
13B-0540-C4AS	0 - 0.5 ft	1170 J	14000 J	43600 J	30300 J	1080 J	285 J	24600 J	199 J
13B-0540-C4BS	0.5 - 1.5 ft	3980 J	38900 J	102000 J	87400 J	4410 J	728 J	65400 J	811 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	24600 J	264000 J	741000 J	618000 J	22700 J	2530 J	428000 J	7580 J
13B-0540-C4LS	10.3 - 11.25 ft	8.13 U	9.49 U	30.3 J	37 J	8.61 U	8.15 U	17.9 J	14.1 UJ
13B-0541-C1AS	0 - 0.5 ft	3720 J	43000 J	107000 J	97600 J	3860 J	489 J	65300 J	874 J
13B-0541-C1BS	0.5 - 1.5 ft	4720	54800	137000	124000	5450	586	85500	1630
13B-0541-C1CS	1.5 - 2.5 ft	1010	12100	31700	28600	956	203	20400	120
13B-0541-C1FS	4.5 - 5.67 ft	9.43 U	10.2 U	13.8 U	28.7 J	9.96 U	9.43 U	12.2 U	18.8 U
13B-0542-C2AS	0 - 0.5 ft	27.9 EMPC-J	371	1040	919	33.3 J	13.6 U	715	12.8 U
13B-0542-C2BS	0.5 - 1.5 ft	8.16 U	6.03 U	17.8 J	9.44 U	8.58 U	8.15 U	8.74 J	11.6 U
13B-0542-C2CS	1.5 - 2.5 ft	10 U	7.83 U	155	14 EMPC-J	10.5 U	20.9 EMPC-J	9.32 U	12.7 U
13B-0542-C2HS	6.5 - 7.55 ft	7.72 U	5.92 U	7.98 U	8.94 U	8.12 U	7.71 U	7.04 U	10.8 U
13B-0543-G1AS	0 - 0.5 ft	1010 J	9740 J	26100 J	25800 J	932 J	240 J	16000 J	125 J
13B-0544-C2AS	0 - 0.5 ft	792 J	9770 J	27000 J	21300 J	738 J	198 J	16900 J	152 J
13B-0544-C2BS	0.5 - 1.5 ft	999	12500	36900	28800	896	319	23300	237
13B-0544-C2CS	1.5 - 2.5 ft	1570	19400	56800	46700	1490	755	37100	307
13B-0544-C2ES	3 - 3.97 ft	604	7870	26700	10900	1320	227	15500	12.6 U
13B-0546-G2AS	0 - 0.5 ft	175	1360	21700	2310	165	213	6350	38.1 J
13B-0547-C2AS	0 - 0.5 ft	26200 J	252000 J	636000 J	715000 J	22700 J	2990 J	387000 J	3530 J
13B-0547-C2BS	0.5 - 1.5 ft	7120 J	69600 J	183000 J	218000 J	5560 J	1420 J	119000 J	715 J
13B-0547-C2CS	1.5 - 2.05 ft	69	784	2270	2410	68.1	43.4	1730	14.7 J
13B-0547-C2HS	6.5 - 7.15 ft	4.66 U	5.11 U	207	11.4 J	4.97 U	32.7	10	6.5 UJ
13B-0548-C1AS	0 - 0.5 ft	616	6670	21700	16000	624	198	13600	171
13B-0548-C1BS	0.5 - 1.5 ft	578	6590	20400	15000	614	148	12200	124
13B-0548-C1BT	0.5 - 1.5 ft	589	6640	19700	15100	604	164	12000	141
13B-0548-C1CS	1.5 - 2.5 ft	1090	14400	42900	17900	2940	358	28500	290
13B-0548-C1IS	7.5 - 8.79 ft	12 U	8.17 U	11.1 U	13.7 U	12.6 U	12.1 U	9.81 U	13.7 U
13B-0549-C3AS	0 - 0.5 ft	599	6090	18600	15800	619	162	11100	89.2
13B-0549-C3BS	0.5 - 1.5 ft	9.41 U	8.44 U	27 J	17.8 J	10 U	9.64 U	15.8 J	19.8 U
13B-0549-C3CS	1.5 - 2.65 ft	8.26 U	6.32 U	8.67 U	19 J	8.79 U	8.46 U	7.56 U	12.7 U
13B-0550-C3AS	0 - 0.5 ft	624 J	6900 J	20800 J	16200 J	586 J	146 J	12300 J	123 J
13B-0550-C3BS	0.5 - 1.5 ft	197	2380	6630	5090	256	46.3	4240	55.2 J
13B-0550-C3CS	1.5 - 2.5 ft	4.17 U	3.49 U	67.2 J	10.5 EMPC-J	4.3 U	8.31 J	6.27 EMPC-J	2.9 UJ
13B-0550-C3FS	4.5 - 5.37 ft	3.06 U	2.93 U	4.03 U	4.4 J	3.16 U	3.03 U	3.56 U	3.83 UJ

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	889	10500	28900	24900	833	196	18100	187 J
13B-0551-C2BS	0.5 - 0.88 ft	806	9060	23500	22100	807	156	15000	153 J
13B-0552-C3AS	0 - 0.5 ft	1440 J	15200 J	40800 J	38500 J	1360 J	254 J	25500 J	248 J
13B-0552-C3BS	0.5 - 1.5 ft	2760	32700	92000	55500	6120	807	59000	701
13B-0552-C3CS	1.5 - 2.38 ft	17700	188000	462000	485000 J	15300	1950	280000	4730
13B-0552-C3CT	1.5 - 2.38 ft	15400	163000	398000	387000 J	12800	1510	244000	3770
13B-0553-C2AS	0 - 0.5 ft	336	3550	11700	9170	293	149	7240	46.1 J
13B-0553-C2BS	0.5 - 1.5 ft	6.05 EMPC-J	60.3	267	163	5.69 U	19 J	157	7.27 UJ
13B-0553-C2CS	1.5 - 2.5 ft	10.4 U	8.65 U	30.3 J	22.3 J	11.1 U	10.6 U	16.3 EMPC-J	9.29 UJ
13B-0553-C2DS	2.5 - 3.5 ft	16.7 U	11.6 U	15.7 U	19.5 U	17.9 U	17 U	14.1 U	12.5 J
13B-0554-C1AS	0 - 0.5 ft	382	4050	12300	9150	368	109	7640	60.8 J
13B-0554-C1BS	0.5 - 1.5 ft	1160	12600	38700	32600	1030	264	22900	172
13B-0554-C1CS	1.5 - 2.5 ft	1660	20100	54600	33400	2750	345	34600	679
13B-0554-C1ES	3.5 - 4.7 ft	8.9 U	6.81 U	21.9 U	21.8 U	9.27 U	8.84 U	8.1 U	6.51 U
13B-0555-C1AS	0 - 0.5 ft	36000 J	375000 J	1010000 J	853000 J	33500 J	3910 J	592000 J	7790 J
13B-0555-C1BS	0.5 - 1.22 ft	10600	113000	313000	279000	10600	1680	197000	1560 J
13B-0555-C2CS	1.5 - 2 ft	49800 J	536000 J	1410000 J	1200000 J	45200 J	4740 J	816000 J	14900 J
13B-0555-C2DS	2 - 3 ft	15300 J	171000 J	478000 J	423000 J	13500 J	1910 J	283000 J	2410 J
13B-0556-C2AS	0 - 0.5 ft	858 J	9940 J	30300 J	23100 J	760 J	321 J	17400 J	129 J
13B-0556-C2BS	0.5 - 1.5 ft	971	12300	41000	31100	965	399	24400	152 J
13B-0556-C2CS	1.5 - 2.38 ft	525	6510	17800	16500	483	165	11100	184 J
13B-0557-C2AS	0 - 0.5 ft	1280 J	13100 J	40000 J	32400 J	1550 J	463 J	25300 J	313 J
13B-0557-C2BS	0.5 - 1.5 ft	1250 J	12400 J	35700 J	32200 J	1290 J	409 J	22300 J	252 J
13B-0557-C2CS	1.5 - 2.5 ft	3640	41100	123000	64600	6220	1130	76100	1410
13B-0557-C2ES	3.5 - 4.5 ft	4800	54500	143000	129000	5210	909	89300	2580
13B-0558-C2AS	0 - 0.5 ft	684 J	8880 J	28400 J	14700 J	1520 J	303 J	18700 J	190 J
13B-0558-C2BS	0.5 - 1.5 ft	268	4590	14500	6530	717	159	9790	87.2 J
13B-0558-C2CS	1.5 - 2.5 ft	9.5 U	92.1	353	252	18.2	9.42 U	255	8.4 UJ
13B-0558-C2FS	4.5 - 5.75 ft	7.83 U	9.59 U	13 U	23.8 U	8.17 U	7.76 U	11.4 U	8.23 UJ
13B-0559-C3AS	0 - 0.5 ft	333	3800	12200	10200	326	119 U	7160	65.7 J
13B-0559-C3BS	0.5 - 1.5 ft	820 J	11200 J	32800 J	26300 J	1420 J	280 UJ	20700 J	192 J
13B-0559-C3CS	1.5 - 2.5 ft	2140	26700	70200	48100 J	3220	452 U	43700	1080

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	4380	50100 J	136000 J	130000 J	4880	892	87200 J	2680
13B-0560-C1AS	0 - 0.5 ft	231	2500	8050	5870	210	81.7	4890	58 EMPC-J
13B-0560-C1BS	0.5 - 1.5 ft	788	8730	29100	21500	746	35.1 U	18200	239
13B-0560-C1CS	1.5 - 2.5 ft	1070 J	14200 J	57500 J	33100 J	1160 J	401 J	29400 J	460 J
13B-0560-C1GS	5.14 - 5.86 ft	21.2 U	68.7	170 EMPC-J	88.3 EMPC-J	22.4 U	21.4 U	107	17.4 U
13B-0561-C1AS	0 - 0.5 ft	11000	120000	308000	288000 J	12900	2020	198000	2120 J
13B-0561-C1BS	0.5 - 1.5 ft	5380	66200	171000	171000	6480	993	111000	1830 J
13B-0561-C1CS	1.5 - 2.5 ft	8030	91900	233000	135000	6230	1170	141000	343 J
13B-0561-C1GS	5.5 - 6.5 ft	12.4 U	11.3 U	15.6 U	31.5 J	13 U	12.2 U	13.7 U	18.1 U
13B-0562-G2AS	0 - 0.5 ft	206	2630	8630	5500	281	70.8	4890	59.4 J
13B-0563-C2AS	0 - 0.5 ft	73.4	893	2840	1770	84.3	17.3 EMPC-J	1650 J	23.8 J

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PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67	PCB-68	PCB-69	PCB-7
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.05	10.1	17.8	4.4	6.3	8.31	3.63	4.83
	Maximum Detect	49800	536000	1410000	1200000	45200	4740	816000	19200
	Mean of Detects	4700	45000	118000	97300	4530	658	69000	1430
	St. Dev. of Detects	8910	90100	233000	204000	8030	866	133000	2890
	CV of Detects	1.89	2.00	1.98	2.09	1.77	1.32	1.93	2.02
	% Detected	77.3	87.4	89.9	94.1	75.2	74.8	90.8	71.8
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	124	1420	4660	2770	181	37.6	2780 J	25.9 J
13B-0563-C2BS	0.5 - 1.1 ft	47	509	1810	981	51.3	17.4 EMPC-J	1000	13.8 J
13B-0563-C2CS	1.1 - 2.5 ft	37100 J	355000 J	893000 J	924000 J	38100 J	3310 J	534000 J	19200 J
13B-0563-C2IS	7.5 - 8.28 ft	211	1940	6530	4870	443	82.9 EMPC-J	4670	52.5 J
13B-0564-G2AS	0 - 0.5 ft	2230 J	22800 J	61500 J	59700 J	2030 J	435 J	36900 J	413 J
13B-0565-G1AS	0 - 0.5 ft	300	3320	10200	8010	284	87.5	5850	51.1 J
13B-0566-G3AS	0 - 0.5 ft	716	3740	15000	10200	348	116	10500	37 J
13B-0567-G2AS	0 - 0.5 ft	1370 J	14500 J	46200 J	35700 J	1320 J	405 J	27100 J	213 J
13B-0568-G2AS	0 - 0.5 ft	6910 J	66400 J	176000 J	189000 J	5960 J	1230 J	118000 J	2280 J
13B-0570-G3AS	0 - 0.5 ft	1260 J	12600 J	34700 J	32200 J	1160 J	230 J	21100 J	181 J
13B-0571-C3AS	0 - 0.5 ft	274	3150	9470	7560	276	72.8	5980	47.4 J
13B-0571-C3BS	0.5 - 1.5 ft	56	777	2790	2730	74.8	60.4	1500	40.1 J
13B-0571-C3CS	1.5 - 2.5 ft	2.77 U	29 J	459	110	2.88 U	50.7	55.4 J	1.87 U
13B-0571-C3MS	11 - 12 ft	2.15 U	1.42 U	172	2.47 U	2.24 U	27.2 J	3.63 EMPC-J	3.04 U
13B-0572-C1AS	0 - 0.5 ft	19.6 EMPC-J	308	883	694	33.3 J	16.4 U	527	13.5 U
13B-0572-C1BS	0.5 - 1.5 ft	26.2 U	18 U	46.8 J	52.2	28.3 U	26.9 U	31.8 J	24.7 U
13B-0572-C1CS	1.5 - 2.27 ft	16.5 U	12 U	16.1 U	22.1 EMPC-J	17.8 U	16.9 U	19.6 EMPC-J	16 U
13B-0573-C2AS	0 - 0.5 ft	358	4730	15600	9490	392	260	9370	139 J
13B-0573-C2BS	0.5 - 1.5 ft	136	1560	4820	3440	161	37.5 EMPC-J	2820	51 EMPC-J
13B-0573-C2CS	1.5 - 2.5 ft	1210	14900	37500	30500	1930	233	23900	386 J
13B-0573-C2DS	2.5 - 3.75 ft	13 U	83.4	213	191	13.6 U	12.7 U	130	15.5 U
13B-0574-C2AS	0 - 0.5 ft	3700	31100	79800	91500	3260	593	49000	1140
13B-0574-C2BS	0.5 - 1.5 ft	2920	27000	69600	81600	2880	460	43600	858 J
13B-0574-C2CS	1.5 - 2.5 ft	5360	39900	122000	118000	3880	1510	77200	1270
13B-0574-C2HS	6.4 - 7.4 ft	7800	72200	179000	181000	6670	982	109000	2210
13B-0575-C4AS	0 - 0.5 ft	19500 J	210000 J	514000 J	465000 J	18200 J	1610 J	320000 J	5890 J
13B-0575-C4BS	0.5 - 1.5 ft	8920	95400	235000	223000 J	8150	889	147000	2550
13B-0575-C4CS	1.5 - 2.5 ft	11.7 U	81.7	200 U	227	12.3 U	12.2 U	110 EMPC-J	10.6 J
13B-0575-C4FS	4.3 - 5.44 ft	8.41 U	10.1 EMPC-J	44 U	41.9	8.85 U	8.81 U	18.9 J	5.29 U

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-63**	**PCB-64**	**PCB-65**	**PCB-66**	**PCB-67**	**PCB-68**	**PCB-69**	**PCB-7**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**6.05**	**10.1**	**17.8**	**4.4**	**6.3**	**8.31**	**3.63**	**4.83**
	Maximum Detect	**49800**	**536000**	**1410000**	**1200000**	**45200**	**4740**	**816000**	**19200**
	Mean of Detects	**4700**	**45000**	**118000**	**97300**	**4530**	**658**	**69000**	**1430**
	St. Dev. of Detects	**8910**	**90100**	**233000**	**204000**	**8030**	**866**	**133000**	**2890**
	CV of Detects	**1.89**	**2.00**	**1.98**	**2.09**	**1.77**	**1.32**	**1.93**	**2.02**
	% Detected	**77.3**	**87.4**	**89.9**	**94.1**	**75.2**	**74.8**	**90.8**	**71.8**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	260 J	3370 J	9420 J	7160 J	225 J	64.4 EMPC-J	5570 J	30 EMPC-J
13B-0578-C5AS	0 - 0.5 ft	91	993	2590	2300	90.3	22.7 J	1640	8.68 U
13B-0578-C5BS	0.5 - 1.5 ft	229	2600	6620	6030	191	41.4 J	4340	30.1 J
13B-0578-C5CS	1.5 - 2.5 ft	20.7 U	103	415	360 EMPC-J	21.7 U	22.9 U	467	41.7 U
13B-0578-C5CT	1.5 - 2.5 ft	10.7 U	109	466	412	11.2 U	47.2 EMPC-J	529	11.3 U
13B-0578-C5GS	5.25 - 6.25 ft	6.36 U	15 J	35.3 U	42.8 J	6.64 U	7.03 U	22.7 J	10.8 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	7970	3650	74.2	133	7970	684	7970	687
13B-0501-C1BS	0.5 - 1.5 ft	10200	4980	90.9	75.3	10200	758	10200	807
13B-0501-C1CS	1.5 - 2.5 ft	33200	13500	251	281	33200	2200	33200	2020
13B-0501-C1DS	2.5 - 3.07 ft	4590	815	105	5.15 U	4590	246	4590	92.8
13B-0502-C2AS	0 - 0.5 ft	10600	3960	73 EMPC-J	57.9	10600	668	10600	678
13B-0502-C2BS	0.5 - 1.5 ft	76300	36300	1060	911	76300	5950	76300	4540
13B-0502-C2CS	1.5 - 2.45 ft	381000 J	145000 J	4240	2760	381000 J	25000	381000 J	27900
13B-0503-C1AS	0 - 0.5 ft	2510	818	19 EMPC-J	15.1 U	2510	152	2510	172 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	17.6 U	17.9 U	19.4 U	13.7 U	17.6 U	13.5 U	17.6 U	19.5 U
13B-0503-C1CS	1.5 - 2.5 ft	16.8 U	17.6 U	18.6 U	13.4 U	16.8 U	13.3 U	16.8 U	21.5 U
13B-0503-C1DS	2.5 - 2.5 ft	17.6 U	14 U	19.4 U	10.7 U	17.6 U	10.6 U	17.6 U	17.6 U
13B-0504-C4AS	0 - 0.5 ft	180000 J	39500 J	1680 J	36.5 UJ	180000 J	7280 J	180000 J	12600 J
13B-0504-C4BS	0.5 - 1.5 ft	111000 J	17500 J	975 J	45.4 UJ	111000 J	3420 J	111000 J	12700 J
13B-0504-C4CS	1.5 - 2.5 ft	39500	5730	332	15.9 U	39500	1110	39500	9000
13B-0504-C4KS	9.5 - 10.25 ft	498	114	5.46 U	4.46 U	498	21 J	498	21.2 J
13B-0505-C1AS	0 - 0.5 ft	46900 J	16200 J	385 EMPC-J	346 J	46900 J	3030 J	46900 J	4910 J
13B-0505-C1BS	0.5 - 1.5 ft	15500	6540	228	162	15500	1190	15500	2330
13B-0505-C1CS	1.5 - 2.5 ft	182000	68500	1550	1120	182000	12400	182000	12100
13B-0505-C1FS	4.5 - 5.2 ft	122 J	40.7 J	25.4 U	17.4 U	122 J	17.3 U	122 J	30.9 U
13B-0506-C2AS	0 - 0.5 ft	24200	5460	143	72.1	24200	914	24200	1900
13B-0506-C2BS	0.5 - 1.5 ft	1990	695	32.1 J	8.2 EMPC-J	1990	114 J	1990	134
13B-0506-C2CS	1.5 - 2.5 ft	158 J	57.7 J	4.61 U	3.6 U	158 J	10.3 J	158 J	14.8 J
13B-0507-C2AS	0 - 0.5 ft	450	174	4.29 U	4.33 U	450	32.4 J	450	43.2 J
13B-0507-C2BS	0.5 - 1.5 ft	20.7 J	5.74 U	3.67 U	4.46 U	20.7 J	4.15 U	20.7 J	4.22 U
13B-0507-C2CS	1.5 - 2.5 ft	2.83 U	4.54 U	2.8 U	3.53 U	2.83 U	3.28 U	2.83 U	3.15 U
13B-0507-C2DS	2.5 - 3.5 ft	4.87 U	7.48 U	4.82 U	5.81 U	4.87 U	5.41 U	4.87 U	5.39 U
13B-0508-G3AS	0 - 0.5 ft	683	277	15.3 U	16.1 U	683	53.4 EMPC-J	683	79.2 J
13B-0509-C1AS	0 - 0.5 ft	390000 J	119000 J	2280	449	390000 J	21100	390000 J	24800
13B-0509-C1BS	0.5 - 1.5 ft	16800	5380	88	15.1	16800	1020	16800	1010
13B-0509-C1CS	1.5 - 2.5 ft	153	31.9	12.5 U	9.89 U	153	9.33 U	153	32
13B-0509-C1ES	3.17 - 4.17 ft	91.2	21.9 EMPC-J	15.2 U	12 U	91.2	11.3 U	91.2	25.9
13B-0510-C3AS	0 - 0.5 ft	102000	26300	684	4.55 U	102000	4120	102000	4890

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	6630	1910	57	4.25 U	6630	288	6630	321
13B-0511-C3AS	0 - 0.5 ft	61100 J	18000 J	481 J	317 J	61100 J	3210 J	61100 J	5990 J
13B-0511-C3BS	0.5 - 1.5 ft	57000	17200	436	214	57000	2940	57000	6260
13B-0511-C3CS	1.5 - 2.5 ft	283000	83600	1390	407	283000	15000	283000	23500
13B-0511-C3HS	5.95 - 6.95 ft	172000	48800	1240	128	172000	7200	172000	9460
13B-0512-G1AS	0 - 0.5 ft	39800 J	12900 J	312 J	203 J	39800 J	2420 J	39800 J	3700 J
13B-0513-G1AS	0 - 0.5 ft	399000 J	111000 J	1210 J	562 J	399000 J	20000 J	399000 J	38000 J
13B-0514-G1AS	0 - 0.5 ft	50100 J	16300 J	447 J	244 J	50100 J	3130 J	50100 J	4510 J
13B-0515-C1AS	0 - 0.5 ft	12900	3860	94.8	50.2	12900	731	12900	1120
13B-0515-C1BS	0.5 - 1.71 ft	92.6 J	29.7 J	4.74 U	4.32 U	92.6 J	4.97 EMPC-J	92.6 J	5.67 U
13B-0515-C2CS	1.5 - 2.19 ft	94.3 J	17.1 J	5.17 U	5.46 U	94.3 J	5.25 U	94.3 J	6.38 U
13B-0516-C2AS	0 - 0.5 ft	47500 J	13700 J	521 J	200 J	47500 J	2370 J	47500 J	4090 J
13B-0516-C2BS	0.5 - 1.5 ft	103000 J	37200 J	1660 J	526 J	103000 J	6580 J	103000 J	8410 J
13B-0516-C2CS	1.5 - 2.5 ft	270000 J	104000 J	2960 J	852 J	270000 J	20000 J	270000 J	18200 J
13B-0516-C2LS	10.4 - 11.4 ft	253000	72200	2300	190	253000	13800	253000	13400
13B-0517-G2AS	0 - 0.5 ft	1180	662	11.1 EMPC-J	5.42 U	1180	133	1180	150
13B-0518-G1AS	0 - 0.5 ft	9390	3130	67.8	5.81 U	9390	584	9390	883
13B-0518-G1AT	0 - 0.5 ft	11500	4060	79.5	52	11500	738	11500	1070
13B-0519-C2AS	0 - 0.5 ft	35500 J	12100 J	294 J	168 J	35500 J	2110 J	35500 J	3120 J
13B-0519-C2BS	0.5 - 1.5 ft	32800	13600	490	158	32800	2200	32800	3010
13B-0519-C2CS	1.5 - 2.5 ft	620000 J	173000 J	3370 J	612 J	620000 J	32500 J	620000 J	50600 J
13B-0519-C2RS	16.1 - 17.1 ft	297	62.6 J	12.6 U	9.33 U	297	8.58 U	297	43 J
13B-0520-G1AS	0 - 0.5 ft	38600 J	12800 J	283 J	173 J	38600 J	2410 J	38600 J	3220 J
13B-0521-C2AS	0 - 0.5 ft	4780	1930	20 U	30.6 EMPC-J	4780	352	4780	9220
13B-0521-C2BS	0.5 - 1.5 ft	2620	1010	24.9 J	14.6 EMPC-J	2620	168 EMPC-J	2620	211
13B-0521-C2CS	1.5 - 2.5 ft	6480	2300	45.9 J	34.7 J	6480	422	6480	556
13B-0521-C2HS	6.5 - 7.63 ft	1350000 J	395000 J	5290 J	28.5 UJ	1350000 J	74500 J	1350000 J	98200 J
13B-0522-G1AS	0 - 0.5 ft	57700 J	18900 J	459 J	278 J	57700 J	3640 J	57700 J	5520 J
13B-0522-G1AT	0 - 0.5 ft	56000 J	17600 J	424 J	259 J	56000 J	3350 J	56000 J	4680 J
13B-0523-G2AS	0 - 0.5 ft	58400 J	18100 J	429 J	272 J	58400 J	3540 J	58400 J	5540 J
13B-0524-C1AS	0 - 0.5 ft	42200 J	15300 J	291 J	177 J	42200 J	2870 J	42200 J	3900 J
13B-0524-C1BS	0.5 - 1.5 ft	59100	22800	559	211 EMPC-J	59100	4250	59100	5400

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	95300	38000	1260	381	95300	6640	95300	9310
13B-0524-C1GS	5.39 - 6.39 ft	237000	96400	2380	14.5 U	237000	19700	237000	16400
13B-0525-C1AS	0 - 0.5 ft	55300 J	19400 J	432 J	285 J	55300 J	3610 J	55300 J	8840 J
13B-0525-C1BS	0.5 - 1.5 ft	69900 J	25800 J	681 J	279 J	69900 J	4730 J	69900 J	6910 J
13B-0525-C1CS	1.5 - 2.5 ft	93600 J	37400 J	1320 J	462 J	93600 J	5570 J	93600 J	9490 J
13B-0525-C1HS	6.42 - 7.42 ft	203000	79600	1770	423	203000	15900	203000	13200
13B-0526-C1AS	0 - 0.5 ft	557000 J	169000 J	1920 J	24.3 UJ	557000 J	31600 J	557000 J	43800 J
13B-0526-C1BS	0.5 - 1.5 ft	1450000 J	404000 J	4560 J	42 UJ	1450000 J	69500 J	1450000 J	83300 J
13B-0526-C1CS	1.5 - 2.5 ft	1460000 J	427000 J	5500 J	34.7 UJ	1460000 J	80100 J	1460000 J	85900 J
13B-0526-C1CT	1.5 - 2.5 ft	1460000 J	432000 J	5360 J	28.9 UJ	1460000 J	78200 J	1460000 J	91300 J
13B-0526-C1HS	6.5 - 7.62 ft	74000	23800	789	17 U	74000	4480	74000	3950
13B-0527-C2AS	0 - 0.5 ft	3720	1140	27.8 J	5.62 U	3720	213	3720	319
13B-0527-C2BS	0.5 - 1.5 ft	85.9 J	24.3 EMPC-J	4.68 U	5.3 U	85.9 J	5.3 U	85.9 J	5.9 U
13B-0527-C2CS	1.5 - 2.6 ft	20.6 J	6.13 U	4.83 U	4.56 U	20.6 J	4.57 U	20.6 J	6.02 U
13B-0528-C3AS	0 - 0.5 ft	140000 J	38300 J	691 J	279 J	140000 J	7180 J	140000 J	10700 J
13B-0528-C3BS	0.5 - 1.5 ft	1380000 J	413000 J	5010 J	44.7 UJ	1380000 J	80000 J	1380000 J	98200 J
13B-0528-C3CS	1.5 - 2.5 ft	179000 J	44100 J	935 J	27 UJ	179000 J	8540 J	179000 J	18500 J
13B-0528-C3LS	10.5 - 11.54 ft	574	204	54.8	11.3 U	574	37.6 EMPC-J	574	37.3 J
13B-0529-C2AS	0 - 0.5 ft	11800	5560	106	87.4	11800	1060	11800	850
13B-0529-C2BS	0.5 - 1.5 ft	1320	507	14.1 EMPC-J	5.14 J	1320	90.4	1320	115
13B-0529-C2CS	1.5 - 2.5 ft	351	118	5.22 U	5.92 U	351	20.5 J	351	23.5
13B-0529-C2ES	3.5 - 4.2 ft	12.2 EMPC-J	7.68 U	5.14 U	6 U	12.2 EMPC-J	5.7 U	12.2 EMPC-J	5.67 U
13B-0530-C1AS	0 - 0.5 ft	7770	3910	65.7 EMPC-J	51.1	7770	567	7770	702
13B-0530-C1BS	0.5 - 1.5 ft	102000	44800	1190	531	102000	7600	102000	9000
13B-0530-C1CS	1.5 - 1.8 ft	18200	9220	297	93.4	18200	1350	18200	1810
13B-0531-C2AS	0 - 0.5 ft	3730	1580	29.1 EMPC-J	23.1 EMPC-J	3730	289	3730	334
13B-0531-C2AT	0 - 0.5 ft	4050	1720	43.3 J	84.2	4050	349	4050	386
13B-0531-C2BS	0.5 - 1.5 ft	18000 J	5380 J	128	24.8 EMPC-J	18000 J	826	18000 J	890
13B-0531-C2CS	1.5 - 2.5 ft	108 U	27.4 J	5.12 U	3.03 U	108 U	5.97 J	108 U	10.7 J
13B-0531-C2ES	3.5 - 4.42 ft	12.5 U	4.72 U	5.33 U	3.59 U	12.5 U	3.48 U	12.5 U	6.38 U
13B-0532-C1AS	0 - 0.5 ft	6980	2970	84.1	49.4 J	6980	525	6980	593
13B-0532-C1BS	0.5 - 1.5 ft	1670	776	26.2 J	12.3 J	1670	127 J	1670	132

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	199	70.3 J	6.34 U	5.61 U	199	12.3 J	199	11.2 J
13B-0532-C1DS	2.5 - 3.73 ft	11.9 EMPC-J	8.69 U	6.43 U	6.5 U	11.9 EMPC-J	6.37 U	11.9 EMPC-J	7.83 U
13B-0533-C2AS	0 - 0.5 ft	113000 J	33600 J	558 J	963 J	113000 J	6240 J	113000 J	8330 J
13B-0533-C2AT	0 - 0.5 ft	90400 J	26000 J	507 J	1160 J	90400 J	4970 J	90400 J	7600 J
13B-0533-C2BS	0.5 - 1.5 ft	1340000 J	382000 J	5350 J	13000 J	1340000 J	74600 J	1340000 J	92100 J
13B-0533-C2CS	1.5 - 2.5 ft	224000 J	56900 J	1480 J	4100 J	224000 J	10400 J	224000 J	14600 J
13B-0533-C2JS	8.5 - 9.62 ft	7830	1600	78.5	66.1	7830	297	7830	373
13B-0533-C2JT	8.5 - 9.62 ft	6970	1360	60.6	216	6970	248	6970	351
13B-0534-C2AS	0 - 0.5 ft	765000 J	223000 J	2160 J	868 J	765000 J	40900 J	765000 J	56300 J
13B-0534-C2AT	0 - 0.5 ft	702000 J	208000 J	1910 J	861 J	702000 J	38600 J	702000 J	55700 J
13B-0534-C2BS	0.5 - 1.5 ft	275000	77300	1350	202	275000	13400	275000	22300
13B-0534-C2CS	1.5 - 2.5 ft	15400	1810	242	30.1 J	15400	306	15400	4750
13B-0534-C2IS	7.5 - 8.59 ft	2130	473	30.9 EMPC-J	7.06 U	2130	84 J	2130	111
13B-0535-C2AS	0 - 0.5 ft	66000 J	21100 J	469 J	206 J	66000 J	3950 J	66000 J	5760 J
13B-0535-C2BS	0.5 - 1.5 ft	1230	434	14.7 U	9.64 U	1230	82.1 J	1230	97.1
13B-0535-C2CS	1.5 - 2.45 ft	118 J	45.2 J	8.64 U	8.1 U	118 J	7.65 U	118 J	10.5 U
13B-0536-C1AS	0 - 0.5 ft	33200 J	9310 J	247 J	125 J	33200 J	1690 J	33200 J	3590 J
13B-0536-C1BS	0.5 - 1.5 ft	744	168	5.93 EMPC-J	2.18 U	744	30.7 J	744	42.2 J
13B-0536-C1CS	1.5 - 2.5 ft	300	63.1 J	4.62 U	2.78 U	300	13.4 J	300	19.1 J
13B-0536-C1FS	4.28 - 5.28 ft	59.9 J	11.4 J	5.33 U	2.67 U	59.9 J	2.57 U	59.9 J	17.5 J
13B-0537-C3AS	0 - 0.5 ft	15200	6290	117	50.6	15200	1020	15200	1210
13B-0538-C3AS	0 - 0.5 ft	1470000 J	418000 J	3500 J	57.9 UJ	1470000 J	77100 J	1470000 J	143000 J
13B-0538-C3BS	0.5 - 1.5 ft	1360000 J	391000 J	3270 J	71.5 UJ	1360000 J	73600 J	1360000 J	117000 J
13B-0538-C3CS	1.5 - 2.5 ft	1010000 J	291000 J	2230 J	559 J	1010000 J	56300 J	1010000 J	99800 J
13B-0538-C3ES	3.5 - 4.8 ft	221	63.7 J	8.82 U	9.24 U	221	11.7 EMPC-J	221	23.1 J
13B-0539-C3AS	0 - 0.5 ft	167000	50200	1490	198	167000	7990	167000	9900
13B-0539-C3AT	0 - 0.5 ft	235000	68800	1960	227	235000	10700	235000	14600
13B-0539-C3BS	0.5 - 1.5 ft	25900	4260	436	14.4 U	25900	576	25900	14500
13B-0539-C3CS	1.5 - 2.5 ft	8660	1750	141	12.1 U	8660	307	8660	1070
13B-0539-C3HS	6.5 - 7.59 ft	16.6 J	6.01 U	5.76 U	4.71 U	16.6 J	4.32 U	16.6 J	7.25 U
13B-0540-C4AS	0 - 0.5 ft	48300 J	17000 J	338 J	200 J	48300 J	3230 J	48300 J	4650 J
13B-0540-C4BS	0.5 - 1.5 ft	164000 J	45800 J	1190 J	251 J	164000 J	8820 J	164000 J	17400 J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	1070000 J	319000 J	4740 J	615 J	1070000 J	62400 J	1070000 J	95900 J
13B-0540-C4LS	10.3 - 11.25 ft	48.1 EMPC-J	16 EMPC-J	8.67 U	10.8 U	48.1 EMPC-J	10.2 U	48.1 EMPC-J	10.6 U
13B-0541-C1AS	0 - 0.5 ft	160000 J	52000 J	803 J	145 J	160000 J	10400 J	160000 J	11300 J
13B-0541-C1BS	0.5 - 1.5 ft	202000	69000	1070	252	202000	14300	202000	16300
13B-0541-C1CS	1.5 - 2.5 ft	44700	15200	349	38.9 J	44700	2480	44700	2310
13B-0541-C1FS	4.5 - 5.67 ft	51.9 J	14.7 U	10.3 U	11.3 U	51.9 J	10.8 U	51.9 J	12.8 U
13B-0542-C2AS	0 - 0.5 ft	1530	436	14.8 U	6.95 U	1530	92.7 J	1530	106
13B-0542-C2BS	0.5 - 1.5 ft	19.6 J	8.69 U	8.85 U	6.69 U	19.6 J	6.32 U	19.6 J	11.9 U
13B-0542-C2CS	1.5 - 2.5 ft	20.8 EMPC-J	11.3 U	10.9 U	8.7 U	20.8 EMPC-J	8.21 U	20.8 EMPC-J	13.7 U
13B-0542-C2HS	6.5 - 7.55 ft	8.42 U	8.53 U	8.38 U	6.57 U	8.42 U	6.2 U	8.42 U	11.3 U
13B-0543-G1AS	0 - 0.5 ft	40500 J	11800 J	293 J	114 J	40500 J	2120 J	40500 J	3280 J
13B-0544-C2AS	0 - 0.5 ft	34700 J	12000 J	263 J	116 EMPC-J	34700 J	2180 J	34700 J	3390 J
13B-0544-C2BS	0.5 - 1.5 ft	47900	16000	378	117	47900	2780	47900	3540
13B-0544-C2CS	1.5 - 2.5 ft	72800	25500	882	266	72800	4440	72800	6580
13B-0544-C2ES	3 - 3.97 ft	25500	10200	294	129	25500	7.91 U	25500	1900
13B-0546-G2AS	0 - 0.5 ft	3400	2630	65.3	479	3400	865	3400	286
13B-0547-C2AS	0 - 0.5 ft	1130000 J	294000 J	5540 J	23.5 UJ	1130000 J	58500 J	1130000 J	70600 J
13B-0547-C2BS	0.5 - 1.5 ft	326000 J	79600 J	2190 J	18.2 UJ	326000 J	15100 J	326000 J	20600 J
13B-0547-C2CS	1.5 - 2.05 ft	3760	1100	68.6	8.7 U	3760	170	3760	238
13B-0547-C2HS	6.5 - 7.15 ft	17.5	7.38 U	4.94 U	5.63 U	17.5	5.48 U	17.5	5.09 U
13B-0548-C1AS	0 - 0.5 ft	25200	9080	221	133	25200	1650	25200	2020
13B-0548-C1BS	0.5 - 1.5 ft	25300	8320	189	108	25300	1540	25300	2060
13B-0548-C1BT	0.5 - 1.5 ft	24700	8530	194	112	24700	1560	24700	1760
13B-0548-C1CS	1.5 - 2.5 ft	47600	19000	617	214	47600	3360	47600	3250 J
13B-0548-C1IS	7.5 - 8.79 ft	13.1 U	11.8 U	14.2 U	8.79 U	13.1 U	8.61 U	13.1 U	16.5 U
13B-0549-C3AS	0 - 0.5 ft	24000	7720	189	100	24000	1470	24000	2350
13B-0549-C3BS	0.5 - 1.5 ft	35.4 J	12 U	11.4 U	9.24 U	35.4 J	8.96 U	35.4 J	14.9 U
13B-0549-C3CS	1.5 - 2.65 ft	28.5 J	9 U	10 U	6.92 U	28.5 J	6.71 U	28.5 J	12.1 U
13B-0550-C3AS	0 - 0.5 ft	26200 J	8410 J	183 J	158 J	26200 J	1590 J	26200 J	5490 J
13B-0550-C3BS	0.5 - 1.5 ft	8990	2920	82.5	30.2	8990	549	8990	659
13B-0550-C3CS	1.5 - 2.5 ft	18.3 J	4.92 U	4.42 U	3.94 U	18.3 J	3.73 U	18.3 J	4.97 U
13B-0550-C3FS	4.5 - 5.37 ft	7.56 J	4.13 U	3.24 U	3.31 U	7.56 J	3.13 U	7.56 J	3.78 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	39900	13100	347	101	39900	2540	39900	2790
13B-0551-C2BS	0.5 - 0.88 ft	35400	11000	287	6.19 U	35400	2230	35400	2120
13B-0552-C3AS	0 - 0.5 ft	61500 J	18600 J	392 J	122 J	61500 J	3510 J	61500 J	8110 J
13B-0552-C3BS	0.5 - 1.5 ft	118000	41200	1140	428	118000	7460	118000	9570
13B-0552-C3CS	1.5 - 2.38 ft	796000 J	218000	3260	625	796000 J	41900	796000 J	62500 J
13B-0552-C3CT	1.5 - 2.38 ft	639000	189000	2940	735	639000	36400	639000	48300 J
13B-0553-C2AS	0 - 0.5 ft	15000	4590	137 EMPC-J	72.9 EMPC-J	15000	879	15000	1120
13B-0553-C2BS	0.5 - 1.5 ft	247	86.1	11.7 EMPC-J	5.33 U	247	17.8 J	247	22.3 J
13B-0553-C2CS	1.5 - 2.5 ft	49.6 J	14.7 J	11.1 U	9.72 U	49.6 J	9.17 U	49.6 J	13.4 U
13B-0553-C2DS	2.5 - 3.5 ft	60 EMPC-J	16.4 U	17.9 U	13 U	60 EMPC-J	12.2 U	60 EMPC-J	22.3 U
13B-0554-C1AS	0 - 0.5 ft	14700	5250	115	76.7	14700	978	14700	1290
13B-0554-C1BS	0.5 - 1.5 ft	47900	15700	363	215	47900	2930	47900	5710
13B-0554-C1CS	1.5 - 2.5 ft	64800	25000	578	163	64800	4750	64800	5510
13B-0554-C1ES	3.5 - 4.7 ft	32.7 U	9.54 U	10.2 U	7.33 U	32.7 U	7.07 U	32.7 U	12.7 U
13B-0555-C1AS	0 - 0.5 ft	1540000 J	450000 J	7230 J	40.6 UJ	1540000 J	88300 J	1540000 J	85700 J
13B-0555-C1BS	0.5 - 1.22 ft	445000	140000	3140	258	445000	28300	445000	25700 J
13B-0555-C2CS	1.5 - 2 ft	2110000 J	649000 J	8870 J	44.7 UJ	2110000 J	125000 J	2110000 J	114000 J
13B-0555-C2DS	2 - 3 ft	682000 J	208000 J	3560 J	372 J	682000 J	40600 J	682000 J	40300 J
13B-0556-C2AS	0 - 0.5 ft	34900 J	13400 J	284 J	110 J	34900 J	2350 J	34900 J	3620 J
13B-0556-C2BS	0.5 - 1.5 ft	43900	18900	523	187	43900	2890	43900	4500
13B-0556-C2CS	1.5 - 2.38 ft	22600	9140	222	76	22600	1650	22600	2360
13B-0557-C2AS	0 - 0.5 ft	57200 J	16500 J	641 J	200 J	57200 J	3190 J	57200 J	4770 J
13B-0557-C2BS	0.5 - 1.5 ft	55600 J	16700 J	616 J	110 J	55600 J	2980 J	55600 J	4740 J
13B-0557-C2CS	1.5 - 2.5 ft	144000	54600	1630	7.11 U	144000	10100	144000	9570
13B-0557-C2ES	3.5 - 4.5 ft	232000	67700	1730	5.28 U	232000	12300	232000	27300
13B-0558-C2AS	0 - 0.5 ft	29500 J	12800 J	397 J	171 J	29500 J	2130 J	29500 J	2930 J
13B-0558-C2BS	0.5 - 1.5 ft	14800	6720	224	57.4	14800	1010	14800	913 J
13B-0558-C2CS	1.5 - 2.5 ft	425	137	13	8.04 U	425	20.1 J	425	29.9 J
13B-0558-C2FS	4.5 - 5.75 ft	34.1 U	13.5 U	8.2 U	10.3 U	34.1 U	10.1 U	34.1 U	8.59 UJ
13B-0559-C3AS	0 - 0.5 ft	14700	5090	128	77.3	14700	922	14700	2070
13B-0559-C3BS	0.5 - 1.5 ft	41300 J	14800 J	415 J	144 J	41300 J	2690 J	41300 J	3960 J
13B-0559-C3CS	1.5 - 2.5 ft	91000	32200	699	208	91000	6370	91000	8880

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	206000 J	60900	1510	378	206000 J	11700	206000 J	14300
13B-0560-C1AS	0 - 0.5 ft	8530	3450	81.6 EMPC-J	49.7	8530	639	8530	947 J
13B-0560-C1BS	0.5 - 1.5 ft	32000	12700	44.2 U	187	32000	2260	32000	3600
13B-0560-C1CS	1.5 - 2.5 ft	53600 J	20600 J	452 J	490 J	53600 J	3640 J	53600 J	5570 J
13B-0560-C1GS	5.14 - 5.86 ft	197	91.6 J	27 U	11.3 U	197	10.8 U	197	31.1 U
13B-0561-C1AS	0 - 0.5 ft	459000	144000	3750	671	459000	28000	459000	34200 J
13B-0561-C1BS	0.5 - 1.5 ft	262000	82600	2000	361	262000	16700	262000	18200
13B-0561-C1CS	1.5 - 2.5 ft	204000	108000	2120	773	204000	17000	204000	17700 J
13B-0561-C1GS	5.5 - 6.5 ft	45.1 J	16 U	15 U	12.4 U	45.1 J	12.1 U	45.1 J	18.9 U
13B-0562-G2AS	0 - 0.5 ft	8520	3900	91.2	49.5 EMPC-J	8520	726	8520	828 J
13B-0563-C2AS	0 - 0.5 ft	2800	1190	24.3 J	24.9 J	2800	231	2800	264

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	4550	1890	54.8	39.9	4550	368	4550	383
13B-0563-C2BS	0.5 - 1.1 ft	1550	739	21.8 J	21.3 J	1550	143	1550	130
13B-0563-C2CS	1.1 - 2.5 ft	1530000 J	433000 J	7330 J	25.7 UJ	1530000 J	89100 J	1530000 J	139000 J
13B-0563-C2IS	7.5 - 8.28 ft	8960	2180	147	27.7 J	8960	408	8960	496
13B-0564-G2AS	0 - 0.5 ft	97400 J	27300 J	499 J	242 J	97400 J	5110 J	97400 J	9670 J
13B-0565-G1AS	0 - 0.5 ft	12100	4250	78.6	54.3	12100	821	12100	1490
13B-0566-G3AS	0 - 0.5 ft	14700	8150	187	85.9	14700	985	14700	1370
13B-0567-G2AS	0 - 0.5 ft	55600 J	18200 J	419 J	261 J	55600 J	3390 J	55600 J	4760 J
13B-0568-G2AS	0 - 0.5 ft	296000 J	79400 J	2170 J	289 J	296000 J	15900 J	296000 J	19900 J
13B-0570-G3AS	0 - 0.5 ft	52500 J	14400 J	284 J	96.1 J	52500 J	2900 J	52500 J	4930 J
13B-0571-C3AS	0 - 0.5 ft	11100	3940	79.1	50.4	11100	875	11100	1410
13B-0571-C3BS	0.5 - 1.5 ft	2820	1190	29.3 J	23.9 J	2820	373	2820	781
13B-0571-C3CS	1.5 - 2.5 ft	126 J	36.1 J	3.13 U	1.68 U	126 J	11.1 J	126 J	39.1 J
13B-0571-C3MS	11 - 12 ft	6.56 U	2.01 U	2.44 U	1.56 U	6.56 U	1.51 U	6.56 U	3.15 U
13B-0572-C1AS	0 - 0.5 ft	1170	372	18.8 U	12.8 U	1170	75.2 J	1170	134 J
13B-0572-C1BS	0.5 - 1.5 ft	87.8 J	25.8 U	30.9 U	19.5 U	87.8 J	18.8 U	87.8 J	45.6 EMPC-J
13B-0572-C1CS	1.5 - 2.27 ft	30.7 J	17.3 U	19.4 U	13.1 U	30.7 J	12.6 U	30.7 J	28.2 U
13B-0573-C2AS	0 - 0.5 ft	14600	6600	148	136	14600	1170	14600	1410
13B-0573-C2BS	0.5 - 1.5 ft	5260	2130	46.9 J	32.7 J	5260	399	5260	523 J
13B-0573-C2CS	1.5 - 2.5 ft	60800	17600	386	107	60800	3280	60800	12000 J
13B-0573-C2DS	2.5 - 3.75 ft	357	102	15.7 U	12.1 U	357	16.8 EMPC-J	357	20.5 U
13B-0574-C2AS	0 - 0.5 ft	159000	39100	945	153	159000	6780	159000	9840
13B-0574-C2BS	0.5 - 1.5 ft	137000	34000	820	133	137000	5840	137000	7390 J
13B-0574-C2CS	1.5 - 2.5 ft	210000	53000	1760	412	210000	8680	210000	14000
13B-0574-C2HS	6.4 - 7.4 ft	319000	86200	1810	238	319000	16200	319000	20600
13B-0575-C4AS	0 - 0.5 ft	819000 J	246000 J	3430 J	574 J	819000 J	47500 J	819000 J	62600 J
13B-0575-C4BS	0.5 - 1.5 ft	379000	111000	1940	314	379000	21500	379000	21200 J
13B-0575-C4CS	1.5 - 2.5 ft	353	97.1	13.2 U	11.1 U	353	10.6 U	353	24.7 U
13B-0575-C4FS	4.3 - 5.44 ft	75.3 J	14.5 EMPC-J	9.53 U	6.42 U	75.3 J	6.14 U	75.3 J	10.3 U

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	7.56	11.4	5.93	5.14	7.56	4.97	7.56	9.34
	Maximum Detect	2110000	649000	8870	13000	2110000	125000	2110000	143000
	Mean of Detects	167000	54100	1090	374	167000	10900	167000	14200
	St. Dev. of Detects	357000	107000	1570	1150	357000	21100	357000	27000
	CV of Detects	2.14	1.98	1.43	3.09	2.14	1.92	2.14	1.90
	% Detected	95.0	87.8	74.8	59.7	95.0	81.5	95.0	84.0
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	10000 J	4060 J	89.5 J	47.7 J	10000 J	829 J	10000 J	1430 J
13B-0578-C5AS	0 - 0.5 ft	3730	1190	33.1 J	13.8 J	3730	218	3730	281
13B-0578-C5BS	0.5 - 1.5 ft	9640	3080	77.5	12.8 J	9640	576	9640	499
13B-0578-C5CS	1.5 - 2.5 ft	519	197	24.3 U	7.5 U	519	7.18 U	519	38.9 J
13B-0578-C5CT	1.5 - 2.5 ft	573	221	42.3 EMPC-J	6.55 U	573	30.9 J	573	46.8 J
13B-0578-C5GS	5.25 - 6.25 ft	70.1 J	6.29 U	7.45 U	4.96 U	70.1 J	4.75 U	70.1 J	9.34 EMPC-J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	8.53 U	70.3	1150 J	7.15 U	26.9 J	806	86 U	1740
13B-0501-C1BS	0.5 - 1.5 ft	5.4 U	60.7	2650 J	4.53 U	21.1 J	827	439	1860
13B-0501-C1CS	1.5 - 2.5 ft	15.4 U	274	4700 J	12.9 U	69.4	3330	2140	8380
13B-0501-C1DS	2.5 - 3.07 ft	7.36 U	36 J	203 J	6.17 U	7.79 U	413	295	2210
13B-0502-C2AS	0 - 0.5 ft	34 U	51.3 EMPC-J	1800	26.6 U	35.6 U	818	349	1730
13B-0502-C2BS	0.5 - 1.5 ft	37.8 U	549	8930	29.6 U	127	5230	2600	13700
13B-0502-C2CS	1.5 - 2.45 ft	85.4 U	2250	60100 J	66.8 U	606	24700	11300	67200 J
13B-0503-C1AS	0 - 0.5 ft	16.2 U	13 U	212 J	12.7 U	17 U	230	104	457
13B-0503-C1BS	0.5 - 1.5 ft	19.7 U	15.7 U	10.8 U	15.4 U	20.6 U	19.4 U	17.8 U	17.9 U
13B-0503-C1CS	1.5 - 2.5 ft	18.9 U	15.1 U	17.2 U	14.8 U	19.7 U	22.2 U	20.4 U	20.5 U
13B-0503-C1DS	2.5 - 2.5 ft	19.7 U	15.7 U	18.3 U	15.4 U	20.5 U	20.8 U	19.1 U	19.2 U
13B-0504-C4AS	0 - 0.5 ft	52.4 UJ	1160 J	9460 J	44.9 UJ	170 J	18900 J	12500 J	53100 J
13B-0504-C4BS	0.5 - 1.5 ft	70.8 UJ	957 J	5970 J	60.7 UJ	161 J	17200 J	9460 J	46600 J
13B-0504-C4CS	1.5 - 2.5 ft	26.4 U	422	1480 J	22.6 U	35.7	6030	2770	16800
13B-0504-C4KS	9.5 - 10.25 ft	5.69 U	4.67 U	189 J	4.88 U	6.16 U	53.5	24.7 J	129
13B-0505-C1AS	0 - 0.5 ft	43.2 UJ	328 J	7530 J	34.3 UJ	128 J	3780 J	1590 J	8580 J
13B-0505-C1BS	0.5 - 1.5 ft	29 U	131	4230	22.9 U	37 J	1110	569	2520
13B-0505-C1CS	1.5 - 2.5 ft	68.8 U	932	39400	54.6 U	263	11200	6110	29500
13B-0505-C1FS	4.5 - 5.2 ft	26.3 U	20.9 U	38.3 J	20.8 U	28.3 U	31 U	30.8 U	29.3 U
13B-0506-C2AS	0 - 0.5 ft	22.7 U	147	2060	18.7 U	50.5 EMPC-J	3850	1540	7510
13B-0506-C2BS	0.5 - 1.5 ft	7.21 U	22 J	298	5.92 U	7.33 U	167	77.2	367
13B-0506-C2CS	1.5 - 2.5 ft	5.2 U	4.1 U	28 EMPC-J	4.27 U	5.28 U	4.83 U	4.73 U	27 J
13B-0507-C2AS	0 - 0.5 ft	4.68 U	3.82 U	64.7 J	3.92 U	4.95 U	45.6 J	9.86 U	86.4
13B-0507-C2BS	0.5 - 1.5 ft	4.01 U	3.27 U	8.41 J	3.36 U	4.24 U	4.72 U	4.87 U	4.63 U
13B-0507-C2CS	1.5 - 2.5 ft	3.06 U	2.5 U	2.15 UJ	2.56 U	3.24 U	4.07 U	4.2 U	3.99 U
13B-0507-C2DS	2.5 - 3.5 ft	5.26 U	4.3 U	3.06 UJ	4.41 U	5.57 U	8.36 U	8.63 U	8.21 U
13B-0508-G3AS	0 - 0.5 ft	16.5 U	14.2 U	60.9 J	14.2 U	16.3 UJ	64.4	26.8	149
13B-0509-C1AS	0 - 0.5 ft	97.7 U	2300	95000 J	78.6 U	841	31800	14000	70500 J
13B-0509-C1BS	0.5 - 1.5 ft	17.7 U	93.8	4130	14.2 U	40 EMPC-J	1060	486	2530
13B-0509-C1CS	1.5 - 2.5 ft	13.5 U	11.1 U	88.2 J	10.9 U	14.7 U	19.7 U	19.3 U	27.6
13B-0509-C1ES	3.17 - 4.17 ft	16.4 U	13.5 U	51.3 J	13.2 U	17.9 U	19.9 U	19.5 U	18.9 U
13B-0510-C3AS	0 - 0.5 ft	19 U	665	3970 J	16.4 U	96.7	9140	4380	23900

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	5.27 U	43.5 J	497 J	4.53 U	5.55 U	437	270	1130
13B-0511-C3AS	0 - 0.5 ft	36.2 UJ	355 J	6980 J	29.6 UJ	156 J	5000 J	2100 J	10500 J
13B-0511-C3BS	0.5 - 1.5 ft	26.9 U	329	7740 J	22 U	136	4620	1860	9740
13B-0511-C3CS	1.5 - 2.5 ft	84.8 U	1150	51800 J	69.5 U	535	18400	7510	40300
13B-0511-C3HS	5.95 - 6.95 ft	33.5 U	704	18500 J	27.4 U	138	7440	3260	22000
13B-0512-G1AS	0 - 0.5 ft	13.1 UJ	224 J	5010 J	11.3 UJ	77.2 J	3180 J	1290 J	7140 J
13B-0513-G1AS	0 - 0.5 ft	85.2 UJ	1570 J	74500 J	67.8 UJ	1080 J	30700 J	10000 J	58600 J
13B-0514-G1AS	0 - 0.5 ft	15.5 UJ	333 J	7670 J	13.3 UJ	79.2 J	4010 J	2490 J	9610 J
13B-0515-C1AS	0 - 0.5 ft	8.54 U	77.7	1110	6.95 U	27.2 J	1070	510	2350
13B-0515-C1BS	0.5 - 1.71 ft	5.3 U	4.46 U	10.3 J	4.32 U	5.59 U	6.48 U	6.37 U	6.05 U
13B-0515-C2CS	1.5 - 2.19 ft	5.79 U	4.87 U	16.5 J	4.72 U	6.1 U	6.46 U	6.36 U	14.3 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	34.3 UJ	388 J	5240 J	28.3 UJ	103 J	3830 J	1470 J	8300 J
13B-0516-C2BS	0.5 - 1.5 ft	45.8 UJ	852 J	13700 J	37.8 UJ	167 J	6710 J	3500 J	19600 J
13B-0516-C2CS	1.5 - 2.5 ft	151 UJ	1490 J	77800 J	125 UJ	240 J	17200 J	8280 J	43700 J
13B-0516-C2LS	10.4 - 11.4 ft	98.9 U	1190	73100	81.6 U	234	15200	9330	45000
13B-0517-G2AS	0 - 0.5 ft	9.72 U	7.62 U	163	8.15 U	10.1 U	175	92.4	389
13B-0518-G1AS	0 - 0.5 ft	7.59 U	60.3	936 J	6.3 U	22.9 J	866	337	1720
13B-0518-G1AT	0 - 0.5 ft	7.55 U	69.3	1800 J	6.26 U	7.97 U	1110	493	2240
13B-0519-C2AS	0 - 0.5 ft	32.7 UJ	291 J	4600 J	27.5 UJ	34 UJ	3110 J	1450 J	6830 J
13B-0519-C2BS	0.5 - 1.5 ft	21.9 U	346	5290	18.4 U	78.4	2340	1200	6200
13B-0519-C2CS	1.5 - 2.5 ft	180 UJ	2490 J	84100 J	151 UJ	958 J	46500 J	19900 J	102000 J
13B-0519-C2RS	16.1 - 17.1 ft	12.8 U	10.1 U	42.6 J	10.8 U	13.3 U	13.6 U	14.7 U	13.4 U
13B-0520-G1AS	0 - 0.5 ft	21.2 UJ	217 J	4250 J	17.6 UJ	83.6 J	3380 J	1380 J	7120 J
13B-0521-C2AS	0 - 0.5 ft	35.5 J	82.5	598	17.3 U	23.8 U	444	196	944
13B-0521-C2BS	0.5 - 1.5 ft	12.7 U	35.2 EMPC-J	423	10 U	13.8 U	231	117	511
13B-0521-C2CS	1.5 - 2.5 ft	23.6 U	49.5 EMPC-J	660	18.7 U	25.8 U	626	248	1290
13B-0521-C2HS	6.5 - 7.63 ft	249 UJ	4530 J	255000 J	198 UJ	3040 J	114000 J	43100 J	217000 J
13B-0522-G1AS	0 - 0.5 ft	26.8 UJ	341 J	6310 J	22.3 UJ	136 J	4650 J	2120 J	10300 J
13B-0522-G1AT	0 - 0.5 ft	25.5 UJ	307 J	7390 J	21.2 UJ	121 EMPC-J	4420 J	1860 J	9700 J
13B-0523-G2AS	0 - 0.5 ft	32.9 UJ	363 J	6820 J	27 UJ	133 J	4840 J	1950 J	10500 J
13B-0524-C1AS	0 - 0.5 ft	28.1 UJ	322 J	4380 J	22.8 UJ	29.6 UJ	4210 J	1890 J	10100 J
13B-0524-C1BS	0.5 - 1.5 ft	41.6 U	454	6070	33.8 U	159	5250	2240	12900

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-78**	**PCB-79**	**PCB-8**	**PCB-80**	**PCB-81**	**PCB-82**	**PCB-83**	**PCB-84**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**35.5**	**6.49**	**5.14**	**5.99**	**10**	**15.4**	**11.4**	**14.3**
	Maximum Detect	**349**	**6010**	**646000**	**37.6**	**4430**	**128000**	**55700**	**279000**
	Mean of Detects	**179**	**930**	**37400**	**21.8**	**550**	**14600**	**6170**	**29800**
	St. Dev. of Detects	**127**	**1340**	**95900**	**15.8**	**921**	**28100**	**10900**	**55400**
	CV of Detects	**0.708**	**1.44**	**2.57**	**0.725**	**1.68**	**1.93**	**1.77**	**1.86**
	% Detected	**1.68**	**70.6**	**90.3**	**0.840**	**54.2**	**79.8**	**78.6**	**84.0**
Sample ID	**Depth Interval**								
13B-0524-C1CS	1.5 - 2.5 ft	46.7 U	869	11600	37.8 U	49.2 U	6300	3420	19900
13B-0524-C1GS	5.39 - 6.39 ft	71.9 U	1300	65500	58.3 U	75.7 U	18500	10000	46300
13B-0525-C1AS	0 - 0.5 ft	34.3 UJ	375 J	6280 J	27.7 UJ	153 J	4700 J	2170 J	10200 J
13B-0525-C1BS	0.5 - 1.5 ft	40 UJ	511 J	6930 J	32.4 UJ	160 J	5660 J	2790 J	13200 J
13B-0525-C1CS	1.5 - 2.5 ft	62.4 UJ	760 J	11100 J	49.3 UJ	207 J	6440 J	2830 J	17100 J
13B-0525-C1HS	6.42 - 7.42 ft	65.9 U	1110	63200	53.2 U	294	15100	6030	31300
13B-0526-C1AS	0 - 0.5 ft	118 UJ	2340 J	121000 J	99.6 UJ	1120 J	46400 J	17400 J	94800 J
13B-0526-C1BS	0.5 - 1.5 ft	305 UJ	5570 J	167000 J	257 UJ	2850 J	125000 J	44800 J	256000 J
13B-0526-C1CS	1.5 - 2.5 ft	232 UJ	5630 J	350000 J	196 UJ	2700 J	105000 J	39900 J	232000 J
13B-0526-C1CT	1.5 - 2.5 ft	219 UJ	4980 J	376000 J	184 UJ	2730 J	110000 J	38800 J	238000 J
13B-0526-C1HS	6.5 - 7.62 ft	30.2 U	577	13100 J	25.4 U	59.5	4310	2690	15500
13B-0527-C2AS	0 - 0.5 ft	8.02 U	6.69 U	434	6.59 U	8.42 U	312	172	643
13B-0527-C2BS	0.5 - 1.5 ft	5.26 U	4.39 U	10.3 J	4.33 U	5.53 U	6.77 U	6.92 U	19 J
13B-0527-C2CS	1.5 - 2.6 ft	5.42 U	4.52 U	12.2 J	4.46 U	5.69 U	6.5 U	6.65 U	6.06 U
13B-0528-C3AS	0 - 0.5 ft	20 UJ	590 J	12600 J	16.6 UJ	347 J	11400 J	4380 J	22600 J
13B-0528-C3BS	0.5 - 1.5 ft	87.7 UJ	4850 J	219000 J	72.8 UJ	2970 J	125000 J	48800 J	223000 J
13B-0528-C3CS	1.5 - 2.5 ft	69.9 UJ	1100 J	15400 J	58 UJ	311 J	23000 J	9580 J	47300 J
13B-0528-C3LS	10.5 - 11.54 ft	15.4 U	12.9 U	158 J	12.8 U	16.2 U	29.3 U	55.1 EMPC-J	169
13B-0529-C2AS	0 - 0.5 ft	7.34 U	63.3	1690 J	6.29 U	19.9 EMPC-J	952	389	2350
13B-0529-C2BS	0.5 - 1.5 ft	4.52 U	8.02 J	150 J	3.87 U	4.83 U	110	55.5	234
13B-0529-C2CS	1.5 - 2.5 ft	5.46 U	4.61 U	32.5 J	4.69 U	5.84 U	27.1 EMPC-J	18.9	68.8 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	5.38 U	4.55 U	9.08 UJ	4.62 U	5.76 U	8.21 U	8.29 U	7.99 U
13B-0530-C1AS	0 - 0.5 ft	23.5 U	59.1	1910	18.4 U	23.5 U	686	321	1520
13B-0530-C1BS	0.5 - 1.5 ft	58 U	665	25900	45.4 U	185	6000	2650	15200
13B-0530-C1CS	1.5 - 1.8 ft	29.9 U	121 EMPC-J	12000	23.4 U	30 U	985	457	2780
13B-0531-C2AS	0 - 0.5 ft	8.21 U	6.44 U	523	6.57 U	8.63 U	329	157	725
13B-0531-C2AT	0 - 0.5 ft	12.2 U	39.5 J	568 J	9.77 U	12.8 U	461	176	889
13B-0531-C2BS	0.5 - 1.5 ft	10.8 U	81.1	390	8.61 U	11.3 U	1110	568	3260 J
13B-0531-C2CS	1.5 - 2.5 ft	5.5 U	4.37 U	6.64 U	4.44 U	5.69 U	15.4 EMPC-J	8.22 U	26.6 J
13B-0531-C2ES	3.5 - 4.42 ft	5.72 U	4.55 U	5.19 U	4.62 U	5.92 U	5.84 U	5.74 U	5.63 U
13B-0532-C1AS	0 - 0.5 ft	8.75 U	39.8 J	1570 J	7.1 U	9.34 U	546	215	1220
13B-0532-C1BS	0.5 - 1.5 ft	9.31 U	13.8 J	251 J	7.56 U	9.94 U	146	64.8	353

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	6.92 U	5.8 U	81 J	5.62 U	7.39 U	16.8 EMPC-J	10.3 U	48.1 J
13B-0532-C1DS	2.5 - 3.73 ft	7.02 U	5.88 U	6.35 UJ	5.69 U	7.49 U	7.96 U	7.91 U	7.61 U
13B-0533-C2AS	0 - 0.5 ft	38.3 UJ	585 J	12000 J	32.8 UJ	238 J	9070 J	3970 J	18600 J
13B-0533-C2AT	0 - 0.5 ft	31.1 UJ	500 J	9050 J	26 UJ	190 J	7410 J	4040 J	15400 J
13B-0533-C2BS	0.5 - 1.5 ft	149 UJ	4100 J	165000 J	125 UJ	2120 J	96400 J	55700 J	204000 J
13B-0533-C2CS	1.5 - 2.5 ft	60.5 UJ	969 J	20100 J	50.6 UJ	212 J	19600 J	17200 J	49300 J
13B-0533-C2JS	8.5 - 9.62 ft	17.5 U	65.4	764 J	14.7 U	18.8 U	1190	852	2840
13B-0533-C2JT	8.5 - 9.62 ft	14.2 U	68.2	706 J	11.9 U	15.3 U	1060	597	2510
13B-0534-C2AS	0 - 0.5 ft	136 UJ	3070 J	196000 J	114 UJ	1970 J	55100 J	18600 J	108000 J
13B-0534-C2AT	0 - 0.5 ft	132 UJ	2790 J	189000 J	111 UJ	1740 J	51600 J	19900 J	102000 J
13B-0534-C2BS	0.5 - 1.5 ft	70.9 U	1360	33600 J	59.7 U	391	18500	9720	45800
13B-0534-C2CS	1.5 - 2.5 ft	36.1 U	218	1140 J	30.4 U	37.4 U	2630	1140	6990
13B-0534-C2IS	7.5 - 8.59 ft	13.8 U	36.9 J	209 J	11.6 U	14.3 U	336	206	838
13B-0535-C2AS	0 - 0.5 ft	33.6 UJ	377 J	7080 J	27.2 UJ	178 J	5660 J	2500 J	12600 J
13B-0535-C2BS	0.5 - 1.5 ft	16.6 U	13.6 U	143 J	13.5 U	18.3 U	89.3 EMPC-J	50.6	272
13B-0535-C2CS	1.5 - 2.45 ft	9.64 U	7.84 U	14.4 U	7.96 U	10.4 U	18 U	18.5 U	17.6 U
13B-0536-C1AS	0 - 0.5 ft	19.3 UJ	227 J	3530 J	16.1 UJ	82.6 J	2870 J	1180 J	6140 J
13B-0536-C1BS	0.5 - 1.5 ft	4.04 U	6.49 J	192	3.37 U	4.29 U	70.4	31 J	172
13B-0536-C1CS	1.5 - 2.5 ft	4.84 U	3.79 U	150	4.04 U	5.13 U	27.7 J	15.2 J	63.6
13B-0536-C1FS	4.28 - 5.28 ft	5.58 U	4.37 U	74.2	4.66 U	5.91 U	5.23 U	5.03 U	5.3 U
13B-0537-C3AS	0 - 0.5 ft	19.4 U	111	1760	15 U	32.9 J	1150	474	2810
13B-0538-C3AS	0 - 0.5 ft	252 J	4530 J	536000 J	149 UJ	4430 J	122000 J	36600 J	208000 J
13B-0538-C3BS	0.5 - 1.5 ft	195 UJ	4540 J	430000 J	163 UJ	4010 J	114000 J	37600 J	202000 J
13B-0538-C3CS	1.5 - 2.5 ft	148 UJ	3300 J	388000 J	123 UJ	3080 J	83600 J	30200 J	144000 J
13B-0538-C3ES	3.5 - 4.8 ft	9.76 U	8.24 U	124 J	8.13 U	9.97 U	10.8 U	10.7 U	19.3 EMPC-J
13B-0539-C3AS	0 - 0.5 ft	89.9 U	1180	16000	73.8 U	120 EMPC-J	9940 J	5820 J	30400 J
13B-0539-C3AT	0 - 0.5 ft	108 U	1530	23100	88.9 U	263	14300	8380	43300
13B-0539-C3BS	0.5 - 1.5 ft	69.7 U	359	2490	57.2 U	71 U	3960	2000	11100
13B-0539-C3CS	1.5 - 2.5 ft	40.1 U	132	1000	32.9 U	40.8 U	1090	540	2660
13B-0539-C3HS	6.5 - 7.59 ft	6.37 U	4.7 U	8.28 U	5.23 U	6.48 U	8.18 U	7.97 U	7.94 U
13B-0540-C4AS	0 - 0.5 ft	17 UJ	232 J	5450 J	13.9 UJ	125 J	4830 J	2170 J	10100 J
13B-0540-C4BS	0.5 - 1.5 ft	28.7 UJ	732 J	20500 J	24.2 UJ	249 J	10300 J	5180 J	26800 J

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-78**	**PCB-79**	**PCB-8**	**PCB-80**	**PCB-81**	**PCB-82**	**PCB-83**	**PCB-84**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**35.5**	**6.49**	**5.14**	**5.99**	**10**	**15.4**	**11.4**	**14.3**
	Maximum Detect	**349**	**6010**	**646000**	**37.6**	**4430**	**128000**	**55700**	**279000**
	Mean of Detects	**179**	**930**	**37400**	**21.8**	**550**	**14600**	**6170**	**29800**
	St. Dev. of Detects	**127**	**1340**	**95900**	**15.8**	**921**	**28100**	**10900**	**55400**
	CV of Detects	**0.708**	**1.44**	**2.57**	**0.725**	**1.68**	**1.93**	**1.77**	**1.86**
	% Detected	**1.68**	**70.6**	**90.3**	**0.840**	**54.2**	**79.8**	**78.6**	**84.0**
Sample ID	**Depth Interval**								
13B-0540-C4CS	1.5 - 2.5 ft	157 UJ	4100 J	257000 J	132 UJ	1950 J	82800 J	30800 J	159000 J
13B-0540-C4LS	10.3 - 11.25 ft	9.66 U	7.98 U	14.7 UJ	7.91 U	10.4 U	11 U	11.6 U	10.7 U
13B-0541-C1AS	0 - 0.5 ft	42.4 UJ	661 J	31900 J	34.3 UJ	250 J	9070 J	3960 J	20900 J
13B-0541-C1BS	0.5 - 1.5 ft	43.2 U	640	64800	35 U	351	9190	4400	21800
13B-0541-C1CS	1.5 - 2.5 ft	19.2 U	234	4630	15.5 U	51.8	2040	1220	6480
13B-0541-C1FS	4.5 - 5.67 ft	11.7 U	9.52 U	19.6 U	9.43 U	12.8 U	13 U	12.7 U	12.8 U
13B-0542-C2AS	0 - 0.5 ft	16.5 U	13.4 U	323	13.6 U	17.8 U	140	70.7	318
13B-0542-C2BS	0.5 - 1.5 ft	9.88 U	8.04 U	26.6 J	8.16 U	10.7 U	9.31 U	9.57 U	9.08 U
13B-0542-C2CS	1.5 - 2.5 ft	12.1 U	9.87 U	37.8 J	10 U	13.1 U	10.4 U	10.7 U	10.2 U
13B-0542-C2HS	6.5 - 7.55 ft	9.35 U	7.61 U	11.2 U	7.72 U	10.1 U	8.71 U	8.96 U	8.5 U
13B-0543-G1AS	0 - 0.5 ft	15.8 UJ	200 J	3940 J	13.2 UJ	89.7 J	3490 J	1300 J	7960 J
13B-0544-C2AS	0 - 0.5 ft	31.8 UJ	280 J	3530 J	24.7 UJ	126 J	2700 J	1240 J	6220 J
13B-0544-C2BS	0.5 - 1.5 ft	48 U	402	5630	37.3 U	115	4260	1840	10900
13B-0544-C2CS	1.5 - 2.5 ft	78.1 U	542	7840	60.7 U	191 EMPC-J	5550	2490	13800
13B-0544-C2ES	3 - 3.97 ft	30.7 U	194	3260	23.8 U	40.7 J	1880	906	4680
13B-0546-G2AS	0 - 0.5 ft	17 U	55.4 EMPC-J	987 J	13.3 U	18.5 U	325	137	761
13B-0547-C2AS	0 - 0.5 ft	292 UJ	4400 J	119000 J	229 UJ	2000 J	70000 J	32100 J	159000 J
13B-0547-C2BS	0.5 - 1.5 ft	119 UJ	1630 J	21200 J	93.2 UJ	364 J	19200 J	11400 J	53100 J
13B-0547-C2CS	1.5 - 2.05 ft	16.9 U	38.2	349 J	13.3 U	17.8 U	286	146	783
13B-0547-C2HS	6.5 - 7.15 ft	5.39 U	4.76 U	6.65 UJ	4.53 U	5.31 U	7.72 U	7.68 U	7.28 U
13B-0548-C1AS	0 - 0.5 ft	22.3 U	152	4740	17.9 U	65.1	2160	903	4560
13B-0548-C1BS	0.5 - 1.5 ft	25.9 U	187	3620	20.7 U	55.9	2560	1150	5860
13B-0548-C1BT	0.5 - 1.5 ft	25.2 U	200	3780	20 U	69.7	2180	824	4700
13B-0548-C1CS	1.5 - 2.5 ft	32.9 U	324	6160	26.1 U	164	3760	1580	9190
13B-0548-C1IS	7.5 - 8.79 ft	15.5 U	12.6 U	14.1 U	12.3 U	15.6 U	13.2 U	12.6 U	12.6 U
13B-0549-C3AS	0 - 0.5 ft	27.2 U	146	2170	21.8 U	71.8	2160	833	4570
13B-0549-C3BS	0.5 - 1.5 ft	12 U	9.47 U	20.1 J	9.58 U	12.7 U	11.7 U	11.4 U	11.2 U
13B-0549-C3CS	1.5 - 2.65 ft	10.5 U	8.31 U	44.7 J	8.4 U	11.2 U	10.1 U	9.86 U	9.66 U
13B-0550-C3AS	0 - 0.5 ft	10.7 UJ	158 J	3710 J	9.18 UJ	64 J	2720 J	1010 J	6130 J
13B-0550-C3BS	0.5 - 1.5 ft	5.36 U	52.5	1440 J	4.6 U	10 EMPC-J	669	354	1680
13B-0550-C3CS	1.5 - 2.5 ft	4.61 U	3.78 U	5.14 J	3.95 U	4.99 U	4.25 U	5.01 U	4.26 U
13B-0550-C3FS	4.5 - 5.37 ft	3.38 U	2.78 U	3.96 UJ	2.9 U	3.66 U	3.57 U	4.21 U	3.57 U

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	24.5 U	239	5600 J	19.2 U	78.9	2510	1040	6320
13B-0551-C2BS	0.5 - 0.88 ft	25.1 U	210	4800 J	19.6 U	49.5	1900	935	5100
13B-0552-C3AS	0 - 0.5 ft	39 UJ	393 J	7500 J	31.2 UJ	178 J	5450 J	2310 J	10600 J
13B-0552-C3BS	0.5 - 1.5 ft	62.6 U	879	16200	50.1 U	212	9980	4140	22000
13B-0552-C3CS	1.5 - 2.38 ft	279 U	3370	159000	223 U	1500	51400 J	20200 J	105000 J
13B-0552-C3CT	1.5 - 2.38 ft	126 U	2370	125000	104 U	1110	47200	20000	100000
13B-0553-C2AS	0 - 0.5 ft	23.4 U	105	1270 J	19.5 U	27.1 J	1810	797	4120
13B-0553-C2BS	0.5 - 1.5 ft	6.38 U	5.27 U	37.3 J	5.22 U	6.87 U	28.7 J	20.7 J	71.7
13B-0553-C2CS	1.5 - 2.5 ft	12.1 U	10.4 U	51.1 J	10.3 U	12.8 U	18.6 U	18.5 U	18.2 U
13B-0553-C2DS	2.5 - 3.5 ft	19.5 U	16.8 U	59.9 J	16.5 U	20.6 U	29.5 U	29.3 U	29 U
13B-0554-C1AS	0 - 0.5 ft	19.6 U	107	1810	15.7 U	43	1240	536	2790
13B-0554-C1BS	0.5 - 1.5 ft	35.7 U	336	5150	28.6 U	122	4000	1520	8450
13B-0554-C1CS	1.5 - 2.5 ft	48.6 U	373	11400	39 U	119	5630	2690	12600
13B-0554-C1ES	3.5 - 4.7 ft	11 U	8.91 U	6.79 U	8.82 U	11.7 U	10.9 U	11.3 U	10.7 U
13B-0555-C1AS	0 - 0.5 ft	349 J	4890 J	314000 J	175 UJ	2150 J	104000 J	37000 J	221000 J
13B-0555-C1BS	0.5 - 1.22 ft	61.4 U	1610	54900 J	52.8 U	407 J	20900	11400	56200
13B-0555-C2CS	1.5 - 2 ft	92.7 UJ	6010 J	646000 J	79.8 UJ	3580 J	128000 J	51700 J	279000 J
13B-0555-C2DS	2 - 3 ft	99.3 UJ	2490 J	92500 J	85.4 UJ	859 J	39900 J	14800 J	91700 J
13B-0556-C2AS	0 - 0.5 ft	14.7 UJ	212 J	3390 J	12.4 UJ	98.5 J	3390 J	1350 J	7730 J
13B-0556-C2BS	0.5 - 1.5 ft	80.7	338	4110 J	37.6	99.8	3610	1350	9300
13B-0556-C2CS	1.5 - 2.38 ft	16.2 U	184	4050 J	13.9 U	61.2	2300	1210	5960
13B-0557-C2AS	0 - 0.5 ft	45.7 UJ	407 J	8360 J	37.5 UJ	46.4 UJ	4600 J	1990 J	11700 J
13B-0557-C2BS	0.5 - 1.5 ft	45.1 UJ	350 J	6500 J	37 UJ	124 J	4440 J	2000 J	10600 J
13B-0557-C2CS	1.5 - 2.5 ft	118 U	800	26700	97 U	199	9920	4180	23700
13B-0557-C2ES	3.5 - 4.5 ft	93.4 U	1050	58400	79.1 U	308	12400	5860	32800
13B-0558-C2AS	0 - 0.5 ft	21.9 UJ	257 J	5040 J	18.2 UJ	62 J	2210 J	884 J	5640 J
13B-0558-C2BS	0.5 - 1.5 ft	14.1 U	111	2310 J	11.7 U	13.9 U	853	364	2650
13B-0558-C2CS	1.5 - 2.5 ft	11.1 U	9.31 U	83.1 J	9.2 U	10.9 U	33.4	29.4	126
13B-0558-C2FS	4.5 - 5.75 ft	9.13 U	7.67 U	8.65 UJ	7.58 U	8.99 U	12.3 U	13 U	12.1 U
13B-0559-C3AS	0 - 0.5 ft	30.3 U	111	2060	24.2 U	40.3	1420	537	2820
13B-0559-C3BS	0.5 - 1.5 ft	38.1 UJ	334 J	5220 J	30.4 UJ	122 J	3780 J	1700 J	8390 J
13B-0559-C3CS	1.5 - 2.5 ft	44.7 U	480	21100	35.7 U	181	7620	3120	16300

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	58.1 U	1040	39800	46.4 U	382	15300	6460	34300
13B-0560-C1AS	0 - 0.5 ft	26.3 U	49.2 J	1510 J	20.9 U	26.8 U	929	425	1920
13B-0560-C1BS	0.5 - 1.5 ft	44 U	211	5930	35 U	79.8 EMPC-J	2880	1240	6140
13B-0560-C1CS	1.5 - 2.5 ft	49.6 UJ	362 J	10500 J	39.4 UJ	159 J	5820 J	2310 J	14000 J
13B-0560-C1GS	5.14 - 5.86 ft	26.8 U	20.6 U	292	21.3 U	27.4 U	21.4 U	22.1 U	21.4 U
13B-0561-C1AS	0 - 0.5 ft	113 U	2170	70100 J	87.7 U	532	29200	13900	74500
13B-0561-C1BS	0.5 - 1.5 ft	75.4 U	1260	62700 J	58.8 U	340	12500	6930	35700
13B-0561-C1CS	1.5 - 2.5 ft	55 U	1000	13300 J	42.9 U	384	16600 J	7460 J	40700 J
13B-0561-C1GS	5.5 - 6.5 ft	16.2 U	12.3 U	18.6 U	12.6 U	17.7 U	23.4 U	23.5 U	22.8 U
13B-0562-G2AS	0 - 0.5 ft	24.5 U	103	1220	19.4 U	26.3 U	1650	731	3740
13B-0563-C2AS	0 - 0.5 ft	13 U	18.2 J	695 J	10.2 U	14.2 U	264	132	589 J

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	16 U	30.4 J	759 J	12.5 U	17.5 U	436	171	1030 J
13B-0563-C2BS	0.5 - 1.1 ft	10.5 U	11.5 J	401 J	8.25 U	11.5 U	152	53.6 EMPC-J	321
13B-0563-C2CS	1.1 - 2.5 ft	316 UJ	4430 J	597000 J	247 UJ	3240 J	90400 J	33900 J	190000 J
13B-0563-C2IS	7.5 - 8.28 ft	14.2 U	82.7	1360 J	11 U	15.1 U	834	569	2670
13B-0564-G2AS	0 - 0.5 ft	54.3 UJ	524 J	12000 J	42.2 UJ	249 J	7670 J	3280 J	15900 J
13B-0565-G1AS	0 - 0.5 ft	28.1 U	95.6	1200	22.2 U	30.2 U	1050	518	2160
13B-0566-G3AS	0 - 0.5 ft	24.1 U	94	1070	19.1 U	25.9 U	1060	677	2420
13B-0567-G2AS	0 - 0.5 ft	31.2 UJ	369 J	6450 J	25.9 UJ	117 J	4570 J	1740 J	10000 J
13B-0568-G2AS	0 - 0.5 ft	75.8 UJ	1790 J	74200 J	59.9 UJ	298 J	18700 J	10900 J	49600 J
13B-0570-G3AS	0 - 0.5 ft	21.9 UJ	322 J	5380 J	17.9 UJ	130 J	4280 J	1640 J	9170 J
13B-0571-C3AS	0 - 0.5 ft	8.97 U	89.5	1370	7.31 U	28.8 J	1310	654	2950
13B-0571-C3BS	0.5 - 1.5 ft	6.89 U	63.8	717	5.61 U	15.4 EMPC-J	812	350	1720
13B-0571-C3CS	1.5 - 2.5 ft	3.41 U	2.7 U	29.1 J	5.99 EMPC-J	3.67 U	34.5 J	11.4 EMPC-J	53.2
13B-0571-C3MS	11 - 12 ft	2.65 U	2.1 U	3.13 U	2.16 U	2.86 U	2.72 U	2.74 U	2.64 U
13B-0572-C1AS	0 - 0.5 ft	19.5 U	16.8 U	261 J	15.6 U	21.4 U	137	40.7 EMPC-J	278
13B-0572-C1BS	0.5 - 1.5 ft	32 U	27.6 U	61.3 J	25.5 U	35.1 U	38.3 U	35.9 U	36.6 U
13B-0572-C1CS	1.5 - 2.27 ft	20.1 U	17.4 U	31 J	16 U	22 U	23.2 U	21.7 U	22.1 U
13B-0573-C2AS	0 - 0.5 ft	29.9 U	109	3460 J	23.8 U	32.8 U	1370	518	3320
13B-0573-C2BS	0.5 - 1.5 ft	21.2 U	18.2 U	1700 J	16.8 U	23.1 U	553	222	1100
13B-0573-C2CS	1.5 - 2.5 ft	54.3 U	46.9 U	9000 J	43.3 U	111	4510	1960	10700
13B-0573-C2DS	2.5 - 3.75 ft	16.9 U	12.9 U	61 EMPC-J	13.1 U	18.4 U	24 U	24.2 U	76.3
13B-0574-C2AS	0 - 0.5 ft	51.6 U	577	34700	43.7 U	288	9740	4330	22700
13B-0574-C2BS	0.5 - 1.5 ft	35.2 U	27 U	29800 J	29.8 U	35.4 U	8720	4260	21400
13B-0574-C2CS	1.5 - 2.5 ft	81.9 U	1040	37100	69.4 U	356	15800	8220	39700
13B-0574-C2HS	6.4 - 7.4 ft	115 U	1180	73700	97.4 U	411	17800	8420	40700
13B-0575-C4AS	0 - 0.5 ft	186 UJ	2990 J	172000 J	153 UJ	1510 J	52300 J	22700 J	112000 J
13B-0575-C4BS	0.5 - 1.5 ft	84.2 U	1560	86600	69.5 U	566	24200	10000	56400
13B-0575-C4CS	1.5 - 2.5 ft	13.9 U	11.5 U	267	11.5 U	14.7 U	18.1 U	19.6 U	35.6 J
13B-0575-C4FS	4.3 - 5.44 ft	10 U	8.29 U	15.2 J	8.28 U	10.6 U	9.83 U	10.6 U	10.1 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-78	PCB-79	PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	35.5	6.49	5.14	5.99	10	15.4	11.4	14.3
	Maximum Detect	349	6010	646000	37.6	4430	128000	55700	279000
	Mean of Detects	179	930	37400	21.8	550	14600	6170	29800
	St. Dev. of Detects	127	1340	95900	15.8	921	28100	10900	55400
	CV of Detects	0.708	1.44	2.57	0.725	1.68	1.93	1.77	1.86
	% Detected	1.68	70.6	90.3	0.840	54.2	79.8	78.6	84.0
Sample ID	Depth Interval								
13B-0577-G1AS	0 - 0.5 ft	23.4 UJ	134 J	1030 J	19.3 UJ	38.7 EMPC-J	1420 J	633 J	3280 J
13B-0578-C5AS	0 - 0.5 ft	8.43 U	6.61 U	476	6.86 U	8.87 U	310	125	616
13B-0578-C5BS	0.5 - 1.5 ft	10.6 U	58.2	914	8.64 U	11.2 U	523	264	1330
13B-0578-C5CS	1.5 - 2.5 ft	24.9 U	20 U	42.5 U	20.5 U	25.8 U	45.4 EMPC-J	51.2	153
13B-0578-C5CT	1.5 - 2.5 ft	12.9 U	10.4 U	93.7	10.6 U	13.3 U	10.5 U	10.7 U	148
13B-0578-C5GS	5.25 - 6.25 ft	7.64 U	6.14 U	11 U	6.28 U	7.9 U	8.21 U	8.36 U	19.3 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
	Maximum Detect	**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
	Mean of Detects	**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
	St. Dev. of Detects	**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
	CV of Detects	**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
	% Detected	**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0501-C1AS	0 - 0.5 ft	909	5440	5440	70.3 U	77.1 U	77.6 J	7830	1600
13B-0501-C1BS	0.5 - 1.5 ft	911	4190	4190	33.8 U	117	220 J	6570	1180
13B-0501-C1CS	1.5 - 2.5 ft	3390	19300	19300	88.5 U	393	307 J	32000	4590
13B-0501-C1DS	2.5 - 3.07 ft	504	2750	2750	9.79 U	39.4 J	28.9 EMPC-J	4810	942
13B-0502-C2AS	0 - 0.5 ft	973	3920	3920	39.4 U	117	121 J	6150	967
13B-0502-C2BS	0.5 - 1.5 ft	6250	28100	28100	17.2 U	957	639	47400	8900
13B-0502-C2CS	1.5 - 2.45 ft	30100	134000	134000	18.2 U	3960	3700	224000 J	38400
13B-0503-C1AS	0 - 0.5 ft	281	1040	1040	23.7 U	38.9	16.5 U	1670	259
13B-0503-C1BS	0.5 - 1.5 ft	13.4 U	13.2 U	13.2 U	17.1 U	17.2 U	11.8 U	13.5 U	13.8 U
13B-0503-C1CS	1.5 - 2.5 ft	15.3 U	15.1 U	15.1 U	19.5 U	19.7 U	18.8 U	15.5 U	15.7 U
13B-0503-C1DS	2.5 - 2.5 ft	14.3 U	14.1 U	14.1 U	18.3 U	18.4 U	20 U	14.5 U	14.7 U
13B-0504-C4AS	0 - 0.5 ft	23400 J	107000 J	107000 J	51.5 UJ	2240 J	676 J	183000 J	21400 J
13B-0504-C4BS	0.5 - 1.5 ft	20200 J	102000 J	102000 J	35.4 UJ	1420 J	729 J	170000 J	17400 J
13B-0504-C4CS	1.5 - 2.5 ft	7450	37300	37300	20.8 U	457	429 J	62300	6520
13B-0504-C4KS	9.5 - 10.25 ft	87.7	317	317	8.67 U	7.65 U	14.4 J	507	70.3
13B-0505-C1AS	0 - 0.5 ft	5160 J	19200 J	19200 J	160 UJ	454 J	527 J	30900 J	5090 J
13B-0505-C1BS	0.5 - 1.5 ft	1370	5630	5630	109 U	133 EMPC-J	339	9610	1450
13B-0505-C1CS	1.5 - 2.5 ft	14800	57400	57400	519 U	1650	2890	97400	16200
13B-0505-C1FS	4.5 - 5.2 ft	21.4 U	21.3 U	21.3 U	30.1 U	27.9 U	30.5 U	94 J	20.8 U
13B-0506-C2AS	0 - 0.5 ft	4410	19800	19800	67.3 U	321	108	30600	3300
13B-0506-C2BS	0.5 - 1.5 ft	194	810	810	14.5 U	23 J	23.6 J	1490	216
13B-0506-C2CS	1.5 - 2.5 ft	15.7 J	71.3 J	71.3 J	4.63 U	4.29 U	14.3 U	120 J	14.6 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	46.9 J	190 J	190 J	8.06 U	8.83 U	4.45 UJ	304	51.1
13B-0507-C2BS	0.5 - 1.5 ft	3.1 U	3.37 U	3.37 U	3.98 U	4.36 U	4.81 UJ	12.4 J	3.79 U
13B-0507-C2CS	1.5 - 2.5 ft	2.68 U	2.9 U	2.9 U	3.43 U	3.76 U	2.36 UJ	2.97 U	3.26 U
13B-0507-C2DS	2.5 - 3.5 ft	5.5 U	5.97 U	5.97 U	7.06 U	7.74 U	3.36 UJ	6.11 U	6.71 U
13B-0508-G3AS	0 - 0.5 ft	82.8	328	328	19.4 U	18.9 U	20.1 UJ	508	78.3
13B-0509-C1AS	0 - 0.5 ft	35500	152000	152000	20.2 U	4120	5670	221000 J	28800
13B-0509-C1BS	0.5 - 1.5 ft	1260	5290	5290	12 U	151	208	8010	1080
13B-0509-C1CS	1.5 - 2.5 ft	27.9	105	105	19.6 U	17.5 U	21.7 J	160	12.9 U
13B-0509-C1ES	3.17 - 4.17 ft	13.7 U	28.2 EMPC-J	28.2 EMPC-J	19.8 U	17.7 U	11.4 U	53.7	13.1 U
13B-0510-C3AS	0 - 0.5 ft	10600	48700	48700	63.8 U	1230	198 J	72600	10300

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
	Maximum Detect	**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
	Mean of Detects	**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
	St. Dev. of Detects	**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
	CV of Detects	**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
	% Detected	**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0510-C3BS	0.5 - 1.9 ft	528	2290	2290	7.89 U	72.4	26.4 J	3530	541
13B-0511-C3AS	0 - 0.5 ft	6300 J	22800 J	22800 J	298 J	608 J	337 J	37400 J	5290 J
13B-0511-C3BS	0.5 - 1.5 ft	5850	20900	20900	171 U	596	416 J	34800	5200
13B-0511-C3CS	1.5 - 2.5 ft	22500	77300	77300	155 U	2810	2550 J	123000	18000
13B-0511-C3HS	5.95 - 6.95 ft	9540	33100	33100	57.5 U	1520	679 J	58400	10000
13B-0512-G1AS	0 - 0.5 ft	3650 J	16600 J	16600 J	146 UJ	419 J	276 J	26300 J	4280 J
13B-0513-G1AS	0 - 0.5 ft	36100 J	138000 J	138000 J	395 J	3900 J	4190 J	183000 J	28300 J
13B-0514-G1AS	0 - 0.5 ft	4930 J	21100 J	21100 J	142 UJ	568 J	442 J	34000 J	5410 J
13B-0515-C1AS	0 - 0.5 ft	1310	5460	5460	28.3 U	130	53.5	8620	1200
13B-0515-C1BS	0.5 - 1.71 ft	4.69 U	37 J	37 J	5.97 U	5.74 U	9.18 U	51.4 EMPC-J	4.48 U
13B-0515-C2CS	1.5 - 2.19 ft	4.68 U	29.5 J	29.5 J	5.96 U	5.72 U	9.87 U	45.4 J	4.47 U
13B-0516-C2AS	0 - 0.5 ft	4680 J	18600 J	18600 J	24.7 UJ	489 J	283 J	30200 J	4470 J
13B-0516-C2BS	0.5 - 1.5 ft	8760 J	37400 J	37400 J	353 UJ	1040 J	884 J	67400 J	11100 J
13B-0516-C2CS	1.5 - 2.5 ft	21400 J	83100 J	83100 J	926 UJ	2750 J	7490 J	144000 J	21000 J
13B-0516-C2LS	10.4 - 11.4 ft	17500	80700	80700	144 U	2520	3610	142000	18800
13B-0517-G2AS	0 - 0.5 ft	266	851	851	17.2 U	27.9 J	10.5 U	1280	211
13B-0518-G1AS	0 - 0.5 ft	1030	4210	4210	27.7 U	107	48.2 J	6380	1040
13B-0518-G1AT	0 - 0.5 ft	1250	5340	5340	8.82 U	138	72.4 EMPC-J	8010	1340
13B-0519-C2AS	0 - 0.5 ft	3970 J	16400 J	16400 J	108 UJ	408 J	239 J	26200 J	3720 J
13B-0519-C2BS	0.5 - 1.5 ft	3100	13500	13500	104 U	310	323	22800	3520
13B-0519-C2CS	1.5 - 2.5 ft	52300 J	211000 J	211000 J	16.2 UJ	7110 J	5060 J	301000 J	44000 J
13B-0519-C2RS	16.1 - 17.1 ft	24.1 J	98.3 J	98.3 J	12.8 U	12.2 U	11.5 U	107 J	9.62 U
13B-0520-G1AS	0 - 0.5 ft	4110 J	17300 J	17300 J	10.6 UJ	447 J	230 J	26700 J	4280 J
13B-0521-C2AS	0 - 0.5 ft	611	2230	2230	22.4 U	49.4	42.4 J	3350	598
13B-0521-C2BS	0.5 - 1.5 ft	310	1130	1130	13.8 U	22.4 J	27.4 J	1840	339
13B-0521-C2CS	1.5 - 2.5 ft	808	2890	2890	25.6 U	78.6	38.7 J	4670	715
13B-0521-C2HS	6.5 - 7.63 ft	141000 J	491000 J	491000 J	167 UJ	15100 J	12300 J	665000 J	98700 J
13B-0522-G1AS	0 - 0.5 ft	5720 J	24000 J	24000 J	13.7 UJ	625 J	339 J	38300 J	6280 J
13B-0522-G1AT	0 - 0.5 ft	5420 J	22800 J	22800 J	13.8 UJ	593 J	381 J	35800 J	5920 J
13B-0523-G2AS	0 - 0.5 ft	6570 J	24800 J	24800 J	167 UJ	633 J	366 J	39500 J	6670 J
13B-0524-C1AS	0 - 0.5 ft	5430 J	21800 J	21800 J	17.7 UJ	565 J	237 J	34700 J	5090 J
13B-0524-C1BS	0.5 - 1.5 ft	6860	28000	28000	22.7 U	761	352	46200	7330

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-85	PCB-86	PCB-87	PCB-88	PCB-89	PCB-9	PCB-90	PCB-91
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.5	10.7	10.7	29.2	5.62	9.15	11.4	12.6
	Maximum Detect	148000	590000	590000	3680	21000	34600	832000	127000
	Mean of Detects	16600	62300	62300	1010	2390	2410	86200	14300
	St. Dev. of Detects	31900	124000	124000	1030	4360	5490	168000	25000
	CV of Detects	1.92	1.99	1.99	1.02	1.82	2.28	1.95	1.75
	% Detected	82.4	88.7	88.7	5.88	71.8	76.9	93.3	81.5
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	9140	38300	38300	19.5 U	1070	737	65700	11500
13B-0524-C1GS	5.39 - 6.39 ft	27400	93300	93300	315 U	3120	6180	150000	22400
13B-0525-C1AS	0 - 0.5 ft	5770 J	23800 J	23800 J	18.5 UJ	631 J	350 J	37600 J	5460 J
13B-0525-C1BS	0.5 - 1.5 ft	6960 J	30200 J	30200 J	17.4 UJ	784 J	411 J	50000 J	7660 J
13B-0525-C1CS	1.5 - 2.5 ft	8580 J	37600 J	37600 J	13 UJ	921 J	672 J	64600 J	10000 J
13B-0525-C1HS	6.42 - 7.42 ft	17900	69500	69500	20.4 U	2280	5880	103000	15600
13B-0526-C1AS	0 - 0.5 ft	52900 J	218000 J	218000 J	624 J	6720 J	7020 J	302000 J	41700 J
13B-0526-C1BS	0.5 - 1.5 ft	141000 J	583000 J	583000 J	3680 J	18700 J	8590 J	789000 J	110000 J
13B-0526-C1CS	1.5 - 2.5 ft	116000 J	491000 J	491000 J	1230 J	16500 J	18200 J	688000 J	103000 J
13B-0526-C1CT	1.5 - 2.5 ft	121000 J	512000 J	512000 J	1910 J	16800 J	19000 J	719000 J	104000 J
13B-0526-C1HS	6.5 - 7.62 ft	5750	27700	27700	37.5 U	721	688 J	50900	6820
13B-0527-C2AS	0 - 0.5 ft	397	1580	1580	13.4 U	34.7 J	8.57 U	2480	372
13B-0527-C2BS	0.5 - 1.5 ft	4.58 U	42.7 J	42.7 J	5.75 U	5.95 U	5.54 U	81.4 J	18.2 J
13B-0527-C2CS	1.5 - 2.6 ft	4.4 U	4.67 U	4.67 U	5.52 U	5.72 U	7.22 U	11.4 J	4.86 U
13B-0528-C3AS	0 - 0.5 ft	13300 J	53000 J	53000 J	6.76 UJ	1560 J	616 J	77300 J	12200 J
13B-0528-C3BS	0.5 - 1.5 ft	144000 J	572000 J	572000 J	83.5 UJ	16900 J	11400 J	790000 J	103000 J
13B-0528-C3CS	1.5 - 2.5 ft	27800 J	125000 J	125000 J	25.6 UJ	2030 J	990 J	204000 J	20900 J
13B-0528-C3LS	10.5 - 11.54 ft	104	393	393	24.3 U	26 U	24.5 J	1220	177
13B-0529-C2AS	0 - 0.5 ft	1090	4660	4660	8.98 U	132	110 J	7260	1310
13B-0529-C2BS	0.5 - 1.5 ft	133	529	529	7.46 U	15.1	10.4 J	882	138
13B-0529-C2CS	1.5 - 2.5 ft	34.7	161	161	7.87 U	8.64 U	6.8 UJ	268	45.7
13B-0529-C2ES	3.5 - 4.2 ft	5.55 U	5.84 U	5.84 U	6.9 U	7.57 U	10 UJ	12.9 J	6.73 U
13B-0530-C1AS	0 - 0.5 ft	857	3220	3220	31 U	71.4	97.4 EMPC-J	5030	817
13B-0530-C1BS	0.5 - 1.5 ft	7730	29700	29700	238 U	775	1620	51400	8760
13B-0530-C1CS	1.5 - 1.8 ft	1260	4990	4990	70.2 U	138	626	8450	1790
13B-0531-C2AS	0 - 0.5 ft	440	1600	1600	17.4 U	42.6 J	4.77 U	2430	434 J
13B-0531-C2AT	0 - 0.5 ft	530	2080	2080	9.36 U	44.1 EMPC-J	41.1 J	3230	752 J
13B-0531-C2BS	0.5 - 1.5 ft	1280	5490 J	5490 J	9.35 U	177	29.1 J	8350 J	1470 J
13B-0531-C2CS	1.5 - 2.5 ft	12.5 EMPC-J	61.5 J	61.5 J	8.02 U	7.46 U	7.18 U	113 J	12.6 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	4.17 U	4.07 U	4.07 U	5.6 U	5.21 U	5.61 U	10.5 U	3.98 U
13B-0532-C1AS	0 - 0.5 ft	635	2810	2810	8.63 U	68.2	87.8 J	4450	799
13B-0532-C1BS	0.5 - 1.5 ft	206	760	760	16.7 U	16.4 U	7.3 UJ	1210	216

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	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
	Maximum Detect	**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
	Mean of Detects	**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
	St. Dev. of Detects	**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
	CV of Detects	**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
	% Detected	**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0532-C1CS	1.5 - 2.5 ft	19.2 EMPC-J	99.7 J	99.7 J	9.54 U	9.37 U	6.79 UJ	177	32.8 J
13B-0532-C1DS	2.5 - 3.73 ft	5.16 U	5.85 U	5.85 U	7.33 U	7.2 U	7 UJ	13.9 J	5.75 U
13B-0533-C2AS	0 - 0.5 ft	10400 J	43200 J	43200 J	200 UJ	1180 J	577 J	63200 J	9090 J
13B-0533-C2AT	0 - 0.5 ft	7770 J	35900 J	35900 J	175 UJ	932 J	442 J	52900 J	8210 J
13B-0533-C2BS	0.5 - 1.5 ft	97800 J	431000 J	431000 J	478 UJ	14300 J	7840 J	608000 J	90500 J
13B-0533-C2CS	1.5 - 2.5 ft	20900 J	100000 J	100000 J	22.3 UJ	2640 J	788 J	163000 J	21100 J
13B-0533-C2JS	8.5 - 9.62 ft	1440	7160	7160	25.1 U	80.4	34.5 J	11700	1380
13B-0533-C2JT	8.5 - 9.62 ft	1140	6360	6360	26.1 U	69.4	33 J	10500	1200
13B-0534-C2AS	0 - 0.5 ft	62300 J	249000 J	249000 J	128 UJ	7770 J	11900 J	330000 J	53600 J
13B-0534-C2AT	0 - 0.5 ft	58900 J	235000 J	235000 J	821 J	7180 J	11200 J	313000 J	49400 J
13B-0534-C2BS	0.5 - 1.5 ft	24500	98900	98900	184	2870	1870 J	154000	23100
13B-0534-C2CS	1.5 - 2.5 ft	3540	17700	17700	22.4 U	184	193 J	30800	3540
13B-0534-C2IS	7.5 - 8.59 ft	422	2140	2140	16.6 U	25.2 J	31.3 J	3850	439
13B-0535-C2AS	0 - 0.5 ft	7010 J	28100 J	28100 J	174 UJ	785 J	369 J	44000 J	6790 J
13B-0535-C2BS	0.5 - 1.5 ft	137	545	545	17.9 U	17.5 U	21.8 U	917	147
13B-0535-C2CS	1.5 - 2.45 ft	12.7 U	47.6 J	47.6 J	15.7 U	16.4 U	15.7 U	77.1 J	13.6 U
13B-0536-C1AS	0 - 0.5 ft	3260 J	13500 J	13500 J	110 UJ	332 J	173 J	21200 J	3300 J
13B-0536-C1BS	0.5 - 1.5 ft	82.5 J	366	366	3.81 U	5.62 J	10.3 J	574	80.9
13B-0536-C1CS	1.5 - 2.5 ft	31.3 J	142 J	142 J	38.9 J	4.84 U	25.4 J	221	3.74 U
13B-0536-C1FS	4.28 - 5.28 ft	3.36 U	18.9 J	18.9 J	4.94 U	4.89 U	15.3 J	35.2 J	3.78 U
13B-0537-C3AS	0 - 0.5 ft	1480	5730	5730	43.6 U	170	100	8900	1410
13B-0538-C3AS	0 - 0.5 ft	137000 J	559000 J	559000 J	1310 J	16600 J	30700 J	712000 J	92200 J
13B-0538-C3BS	0.5 - 1.5 ft	130000 J	539000 J	539000 J	2480 J	15200 J	22700 J	702000 J	85900 J
13B-0538-C3CS	1.5 - 2.5 ft	88900 J	399000 J	399000 J	1090 J	11200 J	22800 J	520000 J	61400 J
13B-0538-C3ES	3.5 - 4.8 ft	7.66 U	48.8 J	48.8 J	10.6 U	9.83 U	13 J	54.7 J	7.66 U
13B-0539-C3AS	0 - 0.5 ft	16300 J	58300 J	58300 J	11.5 UJ	1600 J	699	102000 J	14300 J
13B-0539-C3AT	0 - 0.5 ft	19500	79100	79100	124 U	2390	1020	137000	20200
13B-0539-C3BS	0.5 - 1.5 ft	5410	26300	26300	44.1 U	289	270	45000	5430
13B-0539-C3CS	1.5 - 2.5 ft	2030	6600	6600	62.3 U	60.5 U	86.3	13200	1630
13B-0539-C3HS	6.5 - 7.59 ft	5.82 U	5.65 U	5.65 U	7.81 U	7.58 U	9.01 U	12.7 J	5.81 U
13B-0540-C4AS	0 - 0.5 ft	6350 J	23800 J	23800 J	42.8 J	574 J	294 J	37500 J	5490 J
13B-0540-C4BS	0.5 - 1.5 ft	12200 J	53600 J	53600 J	20.9 UJ	1750 J	1210 J	84100 J	13600 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-85	PCB-86	PCB-87	PCB-88	PCB-89	PCB-9	PCB-90	PCB-91
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.5	10.7	10.7	29.2	5.62	9.15	11.4	12.6
	Maximum Detect	148000	590000	590000	3680	21000	34600	832000	127000
	Mean of Detects	16600	62300	62300	1010	2390	2410	86200	14300
	St. Dev. of Detects	31900	124000	124000	1030	4360	5490	168000	25000
	CV of Detects	1.92	1.99	1.99	1.02	1.82	2.28	1.95	1.75
	% Detected	82.4	88.7	88.7	5.88	71.8	76.9	93.3	81.5
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	90700 J	393000 J	393000 J	21.4 UJ	13400 J	14500 J	569000 J	75800 J
13B-0540-C4LS	10.3 - 11.25 ft	8.41 U	21.2 J	21.2 J	10 U	10.1 U	16.3 UJ	27.3 J	8.22 U
13B-0541-C1AS	0 - 0.5 ft	10400 J	41900 J	41900 J	55.7 UJ	1450 J	1510 J	62300 J	9580 J
13B-0541-C1BS	0.5 - 1.5 ft	10400	41800	41800	48 U	1660	2960	62600	9880
13B-0541-C1CS	1.5 - 2.5 ft	2610	10200	10200	23.1 U	459	164	17800	2810
13B-0541-C1FS	4.5 - 5.67 ft	9.14 U	9.01 U	9.01 U	12.2 U	11.9 U	21.3 U	32.9 J	9.4 U
13B-0542-C2AS	0 - 0.5 ft	181	724	724	15.4 U	16.2 U	34.8 J	1150	182
13B-0542-C2BS	0.5 - 1.5 ft	6.55 U	6.46 U	6.46 U	8.1 U	8.51 U	13.1 U	16.7 EMPC-J	7.03 U
13B-0542-C2CS	1.5 - 2.5 ft	7.32 U	7.22 U	7.22 U	9.06 U	9.51 U	14.3 U	14.4 EMPC-J	7.86 U
13B-0542-C2HS	6.5 - 7.55 ft	6.13 U	6.04 U	6.04 U	7.58 U	7.96 U	12.2 U	6.24 U	6.58 U
13B-0543-G1AS	0 - 0.5 ft	3790 J	15500 J	15500 J	75.2 UJ	482 J	196 J	24200 J	4050 J
13B-0544-C2AS	0 - 0.5 ft	3920 J	13900 J	13900 J	84.2 UJ	364 J	213 J	22300 J	3350 J
13B-0544-C2BS	0.5 - 1.5 ft	5190	23300	23300	71.5 U	512	366	37200	5310
13B-0544-C2CS	1.5 - 2.5 ft	7040	29300	29300	16 U	846	451	49900	7580
13B-0544-C2ES	3 - 3.97 ft	2360	9720	9720	12.1 U	275 EMPC-J	203	17300	2760
13B-0546-G2AS	0 - 0.5 ft	309	1920	1920	21.2 U	40.3 J	92.1 J	4340	2340
13B-0547-C2AS	0 - 0.5 ft	78200 J	330000 J	330000 J	168 UJ	11400 J	5550 J	468000 J	67400 J
13B-0547-C2BS	0.5 - 1.5 ft	27200 J	103000 J	103000 J	97.5 UJ	3360 J	1030 J	170000 J	23000 J
13B-0547-C2CS	1.5 - 2.05 ft	439	1690	1690	43 U	39.2 U	20.8 J	3830	580
13B-0547-C2HS	6.5 - 7.15 ft	5.17 U	5.65 U	5.65 U	6.49 U	6.97 U	7.41 UJ	15.2	6.15 U
13B-0548-C1AS	0 - 0.5 ft	2610	10500	10500	51.9 U	254	261	16200	2760
13B-0548-C1BS	0.5 - 1.5 ft	3090	13300	13300	55.3 U	282	205	20600	3220
13B-0548-C1BT	0.5 - 1.5 ft	2630	10700	10700	68.3 U	268	223	16800	2370
13B-0548-C1CS	1.5 - 2.5 ft	4550	19400	19400	174 U	501	392	33500	4900
13B-0548-C1IS	7.5 - 8.79 ft	9.11 U	9.05 U	9.05 U	13 U	11.9 U	15.5 U	9.23 U	8.69 U
13B-0549-C3AS	0 - 0.5 ft	2360	10600	10600	68 U	270	119	16500	2860
13B-0549-C3BS	0.5 - 1.5 ft	7.96 U	19.7 J	19.7 J	9.4 U	10.3 U	22.4 U	25.1 U	9.25 U
13B-0549-C3CS	1.5 - 2.65 ft	6.88 U	6.99 U	6.99 U	8.13 U	8.88 U	14.3 U	7.08 U	7.99 U
13B-0550-C3AS	0 - 0.5 ft	3050 J	14100 J	14100 J	88.3 UJ	326 J	196 J	21500 J	3050 J
13B-0550-C3BS	0.5 - 1.5 ft	760	3510	3510	14.4 U	95.6	88.7 J	5770	836
13B-0550-C3CS	1.5 - 2.5 ft	2.77 U	10.7 J	10.7 J	4.45 U	3.92 U	3.28 UJ	13.9 U	2.94 U
13B-0550-C3FS	4.5 - 5.37 ft	2.32 U	2.5 U	2.5 U	3.73 U	3.29 U	4.33 UJ	7.87 U	2.47 U

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DATA RESULTS SUMMARY
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Analytic Method		**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
Analyte		**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
Maximum Detect		**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
Mean of Detects		**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
St. Dev. of Detects		**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
CV of Detects		**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
% Detected		**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0551-C2AS	0 - 0.5 ft	3240	12700	12700	37.5 U	377	299 J	21100	3170
13B-0551-C2BS	0.5 - 0.88 ft	2620	9870	9870	17.3 U	308	230 J	16800	2360
13B-0552-C3AS	0 - 0.5 ft	7090 J	26100 J	26100 J	108 UJ	638 J	384 J	38800 J	5740 J
13B-0552-C3BS	0.5 - 1.5 ft	12800	50700	50700	382 U	1260	999	82600	12300
13B-0552-C3CS	1.5 - 2.38 ft	62800 J	233000 J	233000 J	170 UJ	7370 J	7920	335000 J	48600 J
13B-0552-C3CT	1.5 - 2.38 ft	58300	214000	214000	118 U	7010	6540	314000	43700
13B-0553-C2AS	0 - 0.5 ft	2730	11200	11200	25.9 U	189	71.3 J	18000	2170
13B-0553-C2BS	0.5 - 1.5 ft	34.5 J	187 J	187 J	10.4 U	10.4 U	9.15 J	481	74.9
13B-0553-C2CS	1.5 - 2.5 ft	12.8 U	40.2 EMPC-J	40.2 EMPC-J	15.9 U	16.8 U	33.5 J	70 EMPC-J	14.5 U
13B-0553-C2DS	2.5 - 3.5 ft	20.3 U	21.6 U	21.6 U	25.2 U	26.7 U	36 J	108 EMPC-J	23 U
13B-0554-C1AS	0 - 0.5 ft	1610	6280	6280	8.57 U	161	109 J	9850	1600
13B-0554-C1BS	0.5 - 1.5 ft	5140	20400	20400	7.63 U	549	264	31500	4940
13B-0554-C1CS	1.5 - 2.5 ft	6870	27200	27200	14.6 U	802	931	42400	6260
13B-0554-C1ES	3.5 - 4.7 ft	7.94 U	7.78 U	7.78 U	9.92 U	9.9 U	7.36 U	23.6 U	8.07 U
13B-0555-C1AS	0 - 0.5 ft	125000 J	476000 J	476000 J	31.7 UJ	16500 J	15100 J	684000 J	102000 J
13B-0555-C1BS	0.5 - 1.22 ft	27800	109000	109000	22.9 U	4080	2640 J	174000	26300
13B-0555-C2CS	1.5 - 2 ft	148000 J	590000 J	590000 J	33.3 UJ	21000 J	30100 J	832000 J	127000 J
13B-0555-C2DS	2 - 3 ft	49900 J	192000 J	192000 J	33.9 UJ	6930 J	4130 J	282000 J	42400 J
13B-0556-C2AS	0 - 0.5 ft	4450 J	17500 J	17500 J	29.2 J	502 J	195 J	27600 J	4480 J
13B-0556-C2BS	0.5 - 1.5 ft	4670	18700	18700	15.5 U	543	216 J	30000	5990
13B-0556-C2CS	1.5 - 2.38 ft	2770	11100	11100	9.63 U	381	256 J	18600	3510
13B-0557-C2AS	0 - 0.5 ft	6360 J	23000 J	23000 J	124 UJ	544 J	468 J	37800 J	5940 J
13B-0557-C2BS	0.5 - 1.5 ft	4610 J	21100 J	21100 J	86.9 UJ	553 J	364 J	33900 J	5220 J
13B-0557-C2CS	1.5 - 2.5 ft	11300	44900	44900	5.62 U	1460	1870	74100	12400
13B-0557-C2ES	3.5 - 4.5 ft	14200	60300	60300	168 U	2040	3950	98600	17000
13B-0558-C2AS	0 - 0.5 ft	2570 J	12000 J	12000 J	12.3 UJ	326 J	268 J	19600 J	3610 J
13B-0558-C2BS	0.5 - 1.5 ft	1060	4710	4710	10.8 U	134	130 J	8240	1700
13B-0558-C2CS	1.5 - 2.5 ft	42.9	267	267	8.88 U	9.41 U	22.5 J	555	97.8
13B-0558-C2FS	4.5 - 5.75 ft	8.36 U	9.15 U	9.15 U	10.7 U	11.4 U	9.52 UJ	17.4 U	9.78 U
13B-0559-C3AS	0 - 0.5 ft	1710	6780	6780	14.9 U	167	110 J	10600	1600
13B-0559-C3BS	0.5 - 1.5 ft	4810 J	18300 J	18300 J	13.4 UJ	448 J	278 J	30000 J	4610 J
13B-0559-C3CS	1.5 - 2.5 ft	9390	34900	34900	26.8 U	1020	1640	53500	8150

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-85	PCB-86	PCB-87	PCB-88	PCB-89	PCB-9	PCB-90	PCB-91
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.5	10.7	10.7	29.2	5.62	9.15	11.4	12.6
	Maximum Detect	148000	590000	590000	3680	21000	34600	832000	127000
	Mean of Detects	16600	62300	62300	1010	2390	2410	86200	14300
	St. Dev. of Detects	31900	124000	124000	1030	4360	5490	168000	25000
	CV of Detects	1.92	1.99	1.99	1.02	1.82	2.28	1.95	1.75
	% Detected	82.4	88.7	88.7	5.88	71.8	76.9	93.3	81.5
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	18600	72800	72800	26.2 U	2110	3630	110000	17000
13B-0560-C1AS	0 - 0.5 ft	1240	4280	4280	47.2 U	110 EMPC-J	106 J	6550	1210
13B-0560-C1BS	0.5 - 1.5 ft	3920	13700	13700	110 U	376	377	20600	3810
13B-0560-C1CS	1.5 - 2.5 ft	7330 J	29500 J	29500 J	166 UJ	633 J	707 J	44400 J	7320 J
13B-0560-C1GS	5.14 - 5.86 ft	16.2 U	46 EMPC-J	46 EMPC-J	18.4 U	19.3 U	19.7 U	93.1 J	16.6 U
13B-0561-C1AS	0 - 0.5 ft	33100	137000	137000	281 U	5200	3500 J	222000	32000
13B-0561-C1BS	0.5 - 1.5 ft	13900	64600	64600	120 U	2280	3120 J	113000	14800
13B-0561-C1CS	1.5 - 2.5 ft	18600 J	60400 J	60400 J	113 U	4150 J	558 J	78000 J	18300 J
13B-0561-C1GS	5.5 - 6.5 ft	16.2 U	16.1 U	16.1 U	23.2 U	21.4 U	20.7 U	16.6 U	15.5 U
13B-0562-G2AS	0 - 0.5 ft	1850	8410	8410	44.4 U	181	92 J	12400	1630
13B-0563-C2AS	0 - 0.5 ft	416	1290	1290	16.1 U	34 J	44.1 J	1940	377

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DATA RESULTS SUMMARY
PCB-Congener

Analytic Method		**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
Analyte		**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
Maximum Detect		**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
Mean of Detects		**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
St. Dev. of Detects		**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
CV of Detects		**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
% Detected		**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0563-C2AT	0 - 0.5 ft	668	2020	2020	26.6 U	54.6	46.8 EMPC-J	3120	629
13B-0563-C2BS	0.5 - 1.1 ft	229	697	697	14.9 U	14.8 U	28.8 J	1070	226
13B-0563-C2CS	1.1 - 2.5 ft	123000 J	402000 J	402000 J	622 UJ	15300 J	34600 J	556000 J	90400 J
13B-0563-C2IS	7.5 - 8.28 ft	1370	5040	5040	27.4 U	92.8	91.9 J	8420	1510
13B-0564-G2AS	0 - 0.5 ft	9960 J	36600 J	36600 J	164 UJ	996 J	621 J	55300 J	8860 J
13B-0565-G1AS	0 - 0.5 ft	1490	5010	5010	69.3 U	120	63	7830	1190
13B-0566-G3AS	0 - 0.5 ft	1470	5240	5240	34.3 U	180	71.2 J	7900	1500
13B-0567-G2AS	0 - 0.5 ft	5380 J	23600 J	23600 J	12.3 UJ	608 J	345 J	37400 J	6150 J
13B-0568-G2AS	0 - 0.5 ft	21300 J	101000 J	101000 J	129 UJ	2880 J	3330 J	171000 J	21000 J
13B-0570-G3AS	0 - 0.5 ft	5290 J	21000 J	21000 J	58.5 UJ	574 J	285 J	30700 J	4710 J
13B-0571-C3AS	0 - 0.5 ft	1890	6560	6560	28.6 U	173	83	10500	1730
13B-0571-C3BS	0.5 - 1.5 ft	1110	3350	3350	20.6 U	104	55.3	5920	1020
13B-0571-C3CS	1.5 - 2.5 ft	79.3 J	119 J	119 J	3.33 U	3.35 U	2.1 U	226	40.2 J
13B-0571-C3MS	11 - 12 ft	2.06 U	1.91 U	1.91 U	2.45 U	2.46 U	3.42 U	8.39 U	2.01 U
13B-0572-C1AS	0 - 0.5 ft	160	661	661	21.6 U	22.1 U	20.8 J	1070	143 EMPC-J
13B-0572-C1BS	0.5 - 1.5 ft	28.6 U	52.6 J	52.6 J	33.2 U	33.8 U	28.2 U	102 J	29.4 U
13B-0572-C1CS	1.5 - 2.27 ft	17.4 U	16.1 U	16.1 U	20.1 U	20.5 U	18.3 U	26.3 EMPC-J	17.8 U
13B-0573-C2AS	0 - 0.5 ft	1800	6780	6780	94.2 U	170	232 EMPC-J	10200	2050
13B-0573-C2BS	0.5 - 1.5 ft	733	2580	2580	34.4 U	66	116 J	3860	681
13B-0573-C2CS	1.5 - 2.5 ft	5630	22700	22700	49.6 U	595	610 J	35800	5330
13B-0573-C2DS	2.5 - 3.75 ft	38.2 J	134 J	134 J	23.8 U	22 U	17.7 U	188	25.6 J
13B-0574-C2AS	0 - 0.5 ft	9960	43200	43200	5.99 U	1470	1850	66100	11400
13B-0574-C2BS	0.5 - 1.5 ft	9500	39600	39600	4.36 U	1310	1450 J	59600	9860
13B-0574-C2CS	1.5 - 2.5 ft	16900	76600	76600	7.04 U	2080	2020	122000	22300
13B-0574-C2HS	6.4 - 7.4 ft	23000	79400	79400	6.63 U	3000	3820	125000	20000
13B-0575-C4AS	0 - 0.5 ft	59700 J	235000 J	235000 J	177 UJ	7940 J	9510 J	328000 J	50100 J
13B-0575-C4BS	0.5 - 1.5 ft	26500	115000	115000	71.5 U	3660	4270	172000	24200
13B-0575-C4CS	1.5 - 2.5 ft	13 U	72 J	72 J	17.7 U	17.1 U	19.3 J	103 EMPC-J	13.7 U
13B-0575-C4FS	4.3 - 5.44 ft	7.08 U	7.04 U	7.04 U	9.6 U	9.3 U	5.9 U	26.2 J	7.41 U

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-85**	**PCB-86**	**PCB-87**	**PCB-88**	**PCB-89**	**PCB-9**	**PCB-90**	**PCB-91**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**12.5**	**10.7**	**10.7**	**29.2**	**5.62**	**9.15**	**11.4**	**12.6**
	Maximum Detect	**148000**	**590000**	**590000**	**3680**	**21000**	**34600**	**832000**	**127000**
	Mean of Detects	**16600**	**62300**	**62300**	**1010**	**2390**	**2410**	**86200**	**14300**
	St. Dev. of Detects	**31900**	**124000**	**124000**	**1030**	**4360**	**5490**	**168000**	**25000**
	CV of Detects	**1.92**	**1.99**	**1.99**	**1.02**	**1.82**	**2.28**	**1.95**	**1.75**
	% Detected	**82.4**	**88.7**	**88.7**	**5.88**	**71.8**	**76.9**	**93.3**	**81.5**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	1770 J	6940 J	6940 J	41.9 UJ	164 J	48.3 EMPC-J	10900 J	1730 J
13B-0578-C5AS	0 - 0.5 ft	365	1450	1450	10.8 U	37 J	9.77 U	2170	309
13B-0578-C5BS	0.5 - 1.5 ft	633	2610	2610	14.4 U	94.5	48.7 EMPC-J	4290	642
13B-0578-C5CS	1.5 - 2.5 ft	61.7 J	293 EMPC-J	293 EMPC-J	22.9 U	25.1 U	47.1 U	1300	210
13B-0578-C5CT	1.5 - 2.5 ft	67.1 J	357	357	9.02 U	9.89 U	12.8 U	1510	245
13B-0578-C5GS	5.25 - 6.25 ft	6.39 U	43 J	43 J	7.06 U	7.74 U	12.1 U	71.8 J	6.63 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0501-C1AS	0 - 0.5 ft	1460	2810	742	4780	300	5440	76.5 U	8370
13B-0501-C1BS	0.5 - 1.5 ft	1450	652	232	4930	170	4190	36.8 U	3240
13B-0501-C1CS	1.5 - 2.5 ft	6950	1640	803	23800	570	19300	96.2 U	13500
13B-0501-C1DS	2.5 - 3.07 ft	975	47.5 J	25.1 J	6280	46.5	2750	10.6 U	2290
13B-0502-C2AS	0 - 0.5 ft	1190	330	97.9	4730	98.6	3920	39.4 U	3200
13B-0502-C2BS	0.5 - 1.5 ft	9890	9590	2350	36800	1580	28100	171	25500
13B-0502-C2CS	1.5 - 2.45 ft	46200 J	24900	7270	179000 J	4910	134000	879	119000 J
13B-0503-C1AS	0 - 0.5 ft	334	115	37	1180	24.6 EMPC-J	1040	23.7 U	937
13B-0503-C1BS	0.5 - 1.5 ft	15.9 U	14.7 U	16.1 U	15 U	7.03 U	13.2 U	17 U	15 U
13B-0503-C1CS	1.5 - 2.5 ft	18.2 U	16.8 U	18.4 U	17.1 U	11 U	15.1 U	19.5 U	17.1 U
13B-0503-C1DS	2.5 - 2.5 ft	17 U	15.7 U	17.2 U	16 U	8.76 U	14.1 U	18.2 U	16 U
13B-0504-C4AS	0 - 0.5 ft	38400 J	1530 J	921 J	143000 J	1190 J	107000 J	36.2 UJ	85700 J
13B-0504-C4BS	0.5 - 1.5 ft	34500 J	28.7 UJ	455 J	108000 J	764 J	102000 J	3410 J	75300 J
13B-0504-C4CS	1.5 - 2.5 ft	12200	313	165	36200	262	37300	1170	28700
13B-0504-C4KS	9.5 - 10.25 ft	102	7.03 U	7.49 U	364	3.58 U	317	6.09 U	303
13B-0505-C1AS	0 - 0.5 ft	6140 J	3370 J	776 J	22100 J	584 J	19200 J	177 UJ	16900 J
13B-0505-C1BS	0.5 - 1.5 ft	1970	1240	291	7310	218	5630	93.5 U	4980
13B-0505-C1CS	1.5 - 2.5 ft	20100	9200	2680	75800	2260	57400	574 U	46500
13B-0505-C1FS	4.5 - 5.2 ft	26.6 U	24.6 U	26.8 U	50.3	14.7 U	21.3 U	25.9 U	69.7
13B-0506-C2AS	0 - 0.5 ft	5840	943	319	20300	261	19800	66.7 U	15500
13B-0506-C2BS	0.5 - 1.5 ft	392	92.3 J	30.8 J	1120	21.2 EMPC-J	810	14.4 J	849
13B-0506-C2CS	1.5 - 2.5 ft	24.5 J	7.52 J	4.09 U	87.4	2.17 U	71.3 J	4.59 U	64.9
13B-0507-C2AS	0 - 0.5 ft	64.8	26.9 J	8.54 U	204	5.32 U	190 J	8.77 U	149
13B-0507-C2BS	0.5 - 1.5 ft	4.06 U	3.57 U	4.22 U	3.9 U	5.22 U	3.37 U	4.33 U	3.47 U
13B-0507-C2CS	1.5 - 2.5 ft	3.5 U	3.08 U	3.64 U	3.36 U	4.36 U	2.9 U	3.73 U	2.99 U
13B-0507-C2DS	2.5 - 3.5 ft	7.19 U	6.33 U	7.48 U	6.91 U	5.53 U	5.97 U	7.68 U	6.15 U
13B-0508-G3AS	0 - 0.5 ft	92.1	39.3	18.4 U	384	9.02 U	328	21.1 U	282
13B-0509-C1AS	0 - 0.5 ft	41600 J	2760	1380	179000 J	2520	152000	445	105000 J
13B-0509-C1BS	0.5 - 1.5 ft	1540	79.9	51.1	6390	87.5	5290	10.2 U	3940
13B-0509-C1CS	1.5 - 2.5 ft	28.7	15.5 U	17 U	109	5.41 U	105	16.6 U	81.4
13B-0509-C1ES	3.17 - 4.17 ft	16.6 U	15.7 U	17.2 U	25.4 U	8.67 U	28.2 EMPC-J	16.8 U	23.6
13B-0510-C3AS	0 - 0.5 ft	14000	811	445	58900	733	48700	176	37200

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0510-C3BS	0.5 - 1.9 ft	654	50.9 J	25.3 J	2840	49.7	2290	10 J	2020
13B-0511-C3AS	0 - 0.5 ft	7560 J	3230 J	834 J	25700 J	609 J	22800 J	225 J	22600 J
13B-0511-C3BS	0.5 - 1.5 ft	7000	2450	742	24400	555	20900	165 U	20800
13B-0511-C3CS	1.5 - 2.5 ft	23700	3100	1320	93200	1550	77300	520	68100
13B-0511-C3HS	5.95 - 6.95 ft	11100	825	455	46200	918	33100	278	38500
13B-0512-G1AS	0 - 0.5 ft	5550 J	2090 J	589 J	19700 J	376 J	16600 J	180 J	14900 J
13B-0513-G1AS	0 - 0.5 ft	32800 J	3360 J	1480 J	142000 J	2500 J	138000 J	954 J	93800 J
13B-0514-G1AS	0 - 0.5 ft	6890 J	2010 J	611 J	26300 J	448 J	21100 J	165 J	18100 J
13B-0515-C1AS	0 - 0.5 ft	1650	413	113	6310	112	5460	27 U	4700
13B-0515-C1BS	0.5 - 1.71 ft	5.44 U	5.16 U	5.55 U	45.7	4.09 U	37 J	5.7 U	33.3 J
13B-0515-C2CS	1.5 - 2.19 ft	5.43 U	5.15 U	5.53 U	36.8 J	5.34 U	29.5 J	5.68 U	21.1 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	5940 J	1900 J	562 J	21700 J	455 J	18600 J	127 J	18600 J
13B-0516-C2BS	0.5 - 1.5 ft	13900 J	4630 J	1340 J	53300 J	967 J	37400 J	509 J	40300 J
13B-0516-C2CS	1.5 - 2.5 ft	32100 J	7360 J	2210 J	114000 J	2230 J	83100 J	962 J	83000 J
13B-0516-C2LS	10.4 - 11.4 ft	31100	1560	857	112000	1310	80700	492	83700
13B-0517-G2AS	0 - 0.5 ft	265	82.9	27.2 EMPC-J	1030	20.1 J	851	17 U	745
13B-0518-G1AS	0 - 0.5 ft	1260	440	127	4590	99.3	4210	27.9 U	3160
13B-0518-G1AT	0 - 0.5 ft	1570	514	148 EMPC-J	5870	131	5340	8.87 U	3960
13B-0519-C2AS	0 - 0.5 ft	4940 J	1890 J	437 J	18400 J	376 J	16400 J	107 UJ	15200 J
13B-0519-C2BS	0.5 - 1.5 ft	4380	1450	450	17000	403	13500	103 U	13300
13B-0519-C2CS	1.5 - 2.5 ft	60900 J	3950 J	2540 J	247000 J	4120 J	211000 J	16.1 UJ	165000 J
13B-0519-C2RS	16.1 - 17.1 ft	12.1 U	11 U	12.5 U	65.6	6.41 U	98.3 J	12.7 U	57.7
13B-0520-G1AS	0 - 0.5 ft	5280 J	1700 J	503 J	18400 J	392 J	17300 J	126 J	13500 J
13B-0521-C2AS	0 - 0.5 ft	636	418	64.3	2560	63.4	2230	24 U	2040
13B-0521-C2BS	0.5 - 1.5 ft	369	126	38.2 J	1520	33.8 J	1130	14.8 U	965
13B-0521-C2CS	1.5 - 2.5 ft	898	280	88.7	3440	73.3	2890	27.4 U	2500
13B-0521-C2HS	6.5 - 7.63 ft	131000 J	6160 J	4380 J	580000 J	8490 J	491000 J	179 UJ	355000 J
13B-0522-G1AS	0 - 0.5 ft	7480 J	2920 J	770 J	27900 J	522 J	24000 J	90 J	19000 J
13B-0522-G1AT	0 - 0.5 ft	6940 J	2730 J	719 J	25800 J	494 J	22800 J	144 J	18300 J
13B-0523-G2AS	0 - 0.5 ft	7460 J	2920 J	891 J	29300 J	586 J	24800 J	168 UJ	21100 J
13B-0524-C1AS	0 - 0.5 ft	6960 J	2180 J	711 J	28200 J	443 J	21800 J	95.6 J	19300 J
13B-0524-C1BS	0.5 - 1.5 ft	8970	3340	982	37800	638 J	28000	19.6 U	27300

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0524-C1CS	1.5 - 2.5 ft	12600	5080	1170	57000	959	38300	16.8 U	40000
13B-0524-C1GS	5.39 - 6.39 ft	34100	246 U	1920	142000	2170	93300	271 U	86800
13B-0525-C1AS	0 - 0.5 ft	7210 J	2720 J	760 J	27800 J	537 J	23800 J	117 J	21800 J
13B-0525-C1BS	0.5 - 1.5 ft	9560 J	3340 J	961 J	38000 J	708 J	30200 J	267 J	29400 J
13B-0525-C1CS	1.5 - 2.5 ft	12400 J	4000 J	1180 J	50200 J	1000 J	37600 J	413 J	38300 J
13B-0525-C1HS	6.42 - 7.42 ft	21000	5080	1660	85600	1840	69500	392	60800
13B-0526-C1AS	0 - 0.5 ft	57700 J	3450 J	1930 J	209000 J	3530 J	218000 J	282 J	152000 J
13B-0526-C1BS	0.5 - 1.5 ft	148000 J	8190 J	5400 J	601000 J	7900 J	583000 J	2720 J	388000 J
13B-0526-C1CS	1.5 - 2.5 ft	132000 J	7590 J	4800 J	561000 J	6730 J	491000 J	1930 J	346000 J
13B-0526-C1CT	1.5 - 2.5 ft	139000 J	7200 J	4850 J	559000 J	7210 J	512000 J	1250 J	361000 J
13B-0526-C1HS	6.5 - 7.62 ft	10700	477	261	40600	415	27700	281	28300
13B-0527-C2AS	0 - 0.5 ft	459	149	36 EMPC-J	1730	38.9 J	1580	12.8 U	1190
13B-0527-C2BS	0.5 - 1.5 ft	12.9 EMPC-J	31.7 EMPC-J	5.71 U	43.2 J	4.46 U	42.7 J	5.51 U	34.4 J
13B-0527-C2CS	1.5 - 2.6 ft	5.48 U	5.25 U	5.48 U	5.24 U	3.74 U	4.67 U	5.3 U	4.66 U
13B-0528-C3AS	0 - 0.5 ft	14600 J	2880 J	937 J	58100 J	902 J	53000 J	6.8 UJ	36500 J
13B-0528-C3BS	0.5 - 1.5 ft	151000 J	6570 J	4290 J	486000 J	8350 J	572000 J	84 UJ	365000 J
13B-0528-C3CS	1.5 - 2.5 ft	38300 J	961 J	662 J	116000 J	1100 J	125000 J	25.8 UJ	86300 J
13B-0528-C3LS	10.5 - 11.54 ft	354	23.3 U	25.3 U	688	10.8 U	393	24.4 U	595
13B-0529-C2AS	0 - 0.5 ft	1440	419	137	6370	125	4660	23.3	3530
13B-0529-C2BS	0.5 - 1.5 ft	163	38.7	17.9	609	13.8	529	8.28 U	459
13B-0529-C2CS	1.5 - 2.5 ft	59.3	7.59 U	8.43 U	190	5.35 U	161	8.74 U	139
13B-0529-C2ES	3.5 - 4.2 ft	7.22 U	6.66 U	7.39 U	8.5 EMPC-J	7.14 U	5.84 U	7.67 U	6.55 U
13B-0530-C1AS	0 - 0.5 ft	1120	307	99.8	3880	88.1	3220	33.4 U	2710
13B-0530-C1BS	0.5 - 1.5 ft	10400	2620	824	41200	852	29700	257 U	27000
13B-0530-C1CS	1.5 - 1.8 ft	1740	471	68 U	7400	253	4990	75.6 U	4580
13B-0531-C2AS	0 - 0.5 ft	468	171	52.9	1920	46.4 EMPC-J	1600	18.9 U	1270
13B-0531-C2AT	0 - 0.5 ft	672	372	174	2420	94.7	2080	10.2 U	1570
13B-0531-C2BS	0.5 - 1.5 ft	1490 J	138	84	8240 J	136	5490 J	10.2 U	3820 J
13B-0531-C2CS	1.5 - 2.5 ft	7.2 U	7.4 U	7.96 U	88.4 U	2.75 U	61.5 J	7.47 U	51.7
13B-0531-C2ES	3.5 - 4.42 ft	5.03 U	5.16 U	5.55 U	9.09 U	2.88 U	4.07 U	5.21 U	4.69 U
13B-0532-C1AS	0 - 0.5 ft	849	457	98.1	3300	82.1	2810	9.07 U	2400
13B-0532-C1BS	0.5 - 1.5 ft	238	92.5 J	31 J	972	18.4 EMPC-J	760	17.6 U	702

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DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0532-C1CS	1.5 - 2.5 ft	35 J	8.5 U	9.06 U	142	4.98 U	99.7 J	10 U	120
13B-0532-C1DS	2.5 - 3.73 ft	6.72 U	6.52 U	6.95 U	6.6 U	6.38 U	5.85 U	7.7 U	6.41 U
13B-0533-C2AS	0 - 0.5 ft	12100 J	2950 J	921 J	48300 J	787 J	43200 J	199 J	28700 J
13B-0533-C2AT	0 - 0.5 ft	10200 J	2510 J	809 J	39800 J	717 J	35900 J	160 UJ	23700 J
13B-0533-C2BS	0.5 - 1.5 ft	122000 J	6040 J	3820 J	489000 J	7160 J	431000 J	3380 J	272000 J
13B-0533-C2CS	1.5 - 2.5 ft	33800 J	821 J	711 J	108000 J	1360 J	100000 J	1060 J	75000 J
13B-0533-C2JS	8.5 - 9.62 ft	2040	69.3 J	37.8 J	8640	51.3	7160	23.1 U	4710
13B-0533-C2JT	8.5 - 9.62 ft	1840	46.7 EMPC-J	30.5 J	7200	45.4	6360	24 U	4270
13B-0534-C2AS	0 - 0.5 ft	59100 J	4600 J	2570 J	266000 J	4190 J	249000 J	400 J	163000 J
13B-0534-C2AT	0 - 0.5 ft	56600 J	4430 J	2290 J	236000 J	3740 J	235000 J	481 J	154000 J
13B-0534-C2BS	0.5 - 1.5 ft	28700	1300	851	106000	1490	98900	308	82700
13B-0534-C2CS	1.5 - 2.5 ft	5420	173	84.6	21100	112	17700	713	14400
13B-0534-C2IS	7.5 - 8.59 ft	699	28.2 EMPC-J	17.9 U	2870	15.9 J	2140	18.1 U	1690
13B-0535-C2AS	0 - 0.5 ft	8530 J	2670 J	754 J	32800 J	580 J	28100 J	174 UJ	25100 J
13B-0535-C2BS	0.5 - 1.5 ft	187	38.5 J	16.8 U	721	7.07 U	545	17.9 U	513
13B-0535-C2CS	1.5 - 2.45 ft	15.5 U	14.3 U	15.8 U	56.6	5.26 U	47.6 J	14.3 U	37.4 J
13B-0536-C1AS	0 - 0.5 ft	4220 J	1720 J	415 J	15900 J	294 J	13500 J	98.7 UJ	12300 J
13B-0536-C1BS	0.5 - 1.5 ft	112	8.15 J	3.68 U	452	3.45 EMPC-J	366	3.41 U	324
13B-0536-C1CS	1.5 - 2.5 ft	46.7 J	4.34 U	4.73 U	167	1.92 U	142 J	4.37 U	107
13B-0536-C1FS	4.28 - 5.28 ft	4.52 U	4.38 U	4.78 U	19.8 U	2.24 U	18.9 J	4.41 U	11.9 J
13B-0537-C3AS	0 - 0.5 ft	1830	527	178	7370	140	5730	40.7 U	4850
13B-0538-C3AS	0 - 0.5 ft	131000 J	6880 J	4440 J	468000 J	7970 J	559000 J	1970 J	345000 J
13B-0538-C3BS	0.5 - 1.5 ft	130000 J	6400 J	4170 J	465000 J	7140 J	539000 J	1550 J	332000 J
13B-0538-C3CS	1.5 - 2.5 ft	93400 J	4170 J	2770 J	314000 J	5520 J	399000 J	658 J	241000 J
13B-0538-C3ES	3.5 - 4.8 ft	9.41 U	8.89 U	9.64 U	45 J	5.92 U	48.8 J	10.3 U	31.9 J
13B-0539-C3AS	0 - 0.5 ft	19900 J	1430 J	667 J	82400 J	1080	58300 J	11.2 UJ	61700 J
13B-0539-C3AT	0 - 0.5 ft	27600	1780	775	117000	1390	79100	120 U	83100
13B-0539-C3BS	0.5 - 1.5 ft	7970	227	142 EMPC-J	34400	192	26300	42.7 U	24600
13B-0539-C3CS	1.5 - 2.5 ft	2280	52.9 U	58.7 U	9500	73.3	6600	60.4 U	7280
13B-0539-C3HS	6.5 - 7.59 ft	7.08 U	6.64 U	7.36 U	9.39 J	2.86 U	5.65 U	7.57 U	6.53 U
13B-0540-C4AS	0 - 0.5 ft	7200 J	2170 J	610 J	26700 J	406 J	23800 J	116 J	18000 J
13B-0540-C4BS	0.5 - 1.5 ft	16300 J	2220 J	795 J	63200 J	1070 J	53600 J	240 J	45900 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0540-C4CS	1.5 - 2.5 ft	109000 J	5510 J	3280 J	348000 J	6790 J	393000 J	1490 J	297000 J
13B-0540-C4LS	10.3 - 11.25 ft	9.69 U	8.98 U	9.66 U	20.2 EMPC-J	6.91 U	21.2 J	9.13 U	13.1 J
13B-0541-C1AS	0 - 0.5 ft	12200 J	1380 J	599 J	49900 J	856 J	41900 J	55.8 UJ	35500 J
13B-0541-C1BS	0.5 - 1.5 ft	12500	839	503	49900	885	41800	48.1 U	36800
13B-0541-C1CS	1.5 - 2.5 ft	3790	265	130	16600	268	10200	21.5 U	11400
13B-0541-C1FS	4.5 - 5.67 ft	11 U	10.4 U	11.4 U	21.2 EMPC-J	6.85 U	9.01 U	12.2 U	10.3 U
13B-0542-C2AS	0 - 0.5 ft	229	35.3 J	15.6 U	804	11.9 EMPC-J	724	14.1 U	578
13B-0542-C2BS	0.5 - 1.5 ft	8.02 U	7.39 U	8.18 U	17.6 J	3.62 U	6.46 U	7.41 U	6.87 U
13B-0542-C2CS	1.5 - 2.5 ft	8.96 U	8.26 U	9.14 U	8.63 U	4.49 U	7.22 U	8.28 U	7.69 U
13B-0542-C2HS	6.5 - 7.55 ft	7.5 U	6.92 U	7.65 U	7.22 U	4.62 U	6.04 U	6.93 U	6.43 U
13B-0543-G1AS	0 - 0.5 ft	5080 J	1300 J	401 J	20800 J	354 J	15500 J	78.9 J	13600 J
13B-0544-C2AS	0 - 0.5 ft	4350 J	1020 J	418 J	17800 J	323 J	13900 J	78.7 UJ	12000 J
13B-0544-C2BS	0.5 - 1.5 ft	7280	1340	577	30900	455	23300	66.8 U	19900
13B-0544-C2CS	1.5 - 2.5 ft	9720	2630	947	39900	702	29300	14.9 U	27400
13B-0544-C2ES	3 - 3.97 ft	3590	938	334	13400	299	9720	11.3 U	9040
13B-0546-G2AS	0 - 0.5 ft	747	2680	641	2660	389	1920	21.8 U	1620
13B-0547-C2AS	0 - 0.5 ft	94300 J	5790 J	3050 J	384000 J	5980 J	330000 J	147 UJ	274000 J
13B-0547-C2BS	0.5 - 1.5 ft	34200 J	1870 J	1040 J	136000 J	1830 J	103000 J	85.3 UJ	100000 J
13B-0547-C2CS	1.5 - 2.05 ft	626	91.1	39.3 U	2720	32.4	1690	37.6 U	2080
13B-0547-C2HS	6.5 - 7.15 ft	6.62 U	6.4 U	6.77 U	10.2 EMPC-J	5.1 U	5.65 U	7.1 U	6.14 U
13B-0548-C1AS	0 - 0.5 ft	3260	852	250	12800	240	10500	55 U	9330
13B-0548-C1BS	0.5 - 1.5 ft	4010	775	246	16500	257	13300	58.6 U	10800
13B-0548-C1BT	0.5 - 1.5 ft	3360	785	253	13100	235	10700	60.9 U	8980
13B-0548-C1CS	1.5 - 2.5 ft	6880	1400	486	24700	477	19400	155 U	17600
13B-0548-C1IS	7.5 - 8.79 ft	11.1 U	10.4 U	11.5 U	10.5 U	5.49 U	9.05 U	11.6 U	10.3 U
13B-0549-C3AS	0 - 0.5 ft	3240	951	260	13200	229	10600	72.1 U	9630
13B-0549-C3BS	0.5 - 1.5 ft	9.92 U	9.33 U	10.4 U	23.5 J	4.64 U	19.7 J	9.96 U	9.39 U
13B-0549-C3CS	1.5 - 2.65 ft	8.57 U	8.07 U	8.97 U	8.27 U	3.71 U	6.99 U	8.61 U	8.12 U
13B-0550-C3AS	0 - 0.5 ft	4170 J	1150 J	328 J	17000 J	247 J	14100 J	180 J	9700 J
13B-0550-C3BS	0.5 - 1.5 ft	1120	189	67.4	4490	69.4	3510	17.9 J	2660
13B-0550-C3CS	1.5 - 2.5 ft	3.65 U	3.61 U	3.84 U	7.85 EMPC-J	2.44 U	10.7 J	3.12 U	5.37 J
13B-0550-C3FS	4.5 - 5.37 ft	3.07 U	3.03 U	3.22 U	6.83 J	2.24 U	2.5 U	2.62 U	2.32 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0551-C2AS	0 - 0.5 ft	3950	555	221	16800	291	12700	38.5 U	11600
13B-0551-C2BS	0.5 - 0.88 ft	3170	219	111	13100	199	9870	17.8 U	9410
13B-0552-C3AS	0 - 0.5 ft	7250 J	1390 J	416 J	25400 J	530 J	26100 J	218 J	20500 J
13B-0552-C3BS	0.5 - 1.5 ft	16500	3180	1370	62100	1270	50700	452 U	39800
13B-0552-C3CS	1.5 - 2.38 ft	61200 J	3620 J	2210 J	264000 J	4250 J	233000 J	561 EMPC-J	166000 J
13B-0552-C3CT	1.5 - 2.38 ft	60100	3130	2250	254000 J	3770	214000	1030 J	154000
13B-0553-C2AS	0 - 0.5 ft	3260	527	159	12400	141	11200	25.2 U	9100
13B-0553-C2BS	0.5 - 1.5 ft	107	35.7 J	9.98 U	314	2.99 U	187 J	9.43 U	227
13B-0553-C2CS	1.5 - 2.5 ft	15.9 U	15.3 U	16.2 U	15.3 U	8.07 U	40.2 EMPC-J	16.6 U	14.7 U
13B-0553-C2DS	2.5 - 3.5 ft	25.2 U	24.3 U	25.7 U	45.1 J	11.1 U	21.6 U	26.3 U	23.3 U
13B-0554-C1AS	0 - 0.5 ft	1970	540	166	7370	146	6280	41.7	5040
13B-0554-C1BS	0.5 - 1.5 ft	6110	2070	642	23500	458	20400	108	16900
13B-0554-C1CS	1.5 - 2.5 ft	8200	1360	468	34200	616	27200	163	19900
13B-0554-C1ES	3.5 - 4.7 ft	9.23 U	8.79 U	9.6 U	20.9 U	4.53 U	7.78 U	10.4 U	15.1
13B-0555-C1AS	0 - 0.5 ft	131000 J	7740 J	4710 J	506000 J	7490 J	476000 J	34.4 UJ	366000 J
13B-0555-C1BS	0.5 - 1.22 ft	34700	2080	1180	124000	1990 J	109000	406	101000
13B-0555-C2CS	1.5 - 2 ft	158000 J	9350 J	6040 J	623000 J	10300 J	590000 J	1680 J	432000 J
13B-0555-C2DS	2 - 3 ft	53800 J	3300 J	1910 J	200000 J	3310 J	192000 J	915 J	161000 J
13B-0556-C2AS	0 - 0.5 ft	5250 J	1330 J	460 J	21700 J	337 J	17500 J	55.3 J	14400 J
13B-0556-C2BS	0.5 - 1.5 ft	6090	2530	539	26500	502	18700	120	19100
13B-0556-C2CS	1.5 - 2.38 ft	3740	701	266	16300	319	11100	131	9970
13B-0557-C2AS	0 - 0.5 ft	7520 J	1350 J	406 J	31300 J	416 J	23000 J	123 UJ	20000 J
13B-0557-C2BS	0.5 - 1.5 ft	6820 J	873 J	354 J	27900 J	381 J	21100 J	86.2 UJ	18500 J
13B-0557-C2CS	1.5 - 2.5 ft	14900	2890	1100	59700	1060	44900	5.57 U	40500
13B-0557-C2ES	3.5 - 4.5 ft	19500	1260	812	79600	1080	60300	172 U	48800
13B-0558-C2AS	0 - 0.5 ft	3690 J	1220 J	285 J	14900 J	298 J	12000 J	68.4 J	9650 J
13B-0558-C2BS	0.5 - 1.5 ft	1570	303	94.1 EMPC-J	6880	140 J	4710	52.8	4220
13B-0558-C2CS	1.5 - 2.5 ft	103	8.57 U	9.06 U	369	4.76 U	267	8.94 U	320
13B-0558-C2FS	4.5 - 5.75 ft	10.7 U	10.3 U	10.9 U	10.4 U	6.94 U	9.15 U	10.8 U	9.18 U
13B-0559-C3AS	0 - 0.5 ft	2020	1010	183	7740	175	6780	48 EMPC-J	6050
13B-0559-C3BS	0.5 - 1.5 ft	5610 J	1070 J	376 J	22900 J	419 J	18300 J	98.2 J	15700 J
13B-0559-C3CS	1.5 - 2.5 ft	10400	1840	646	43400 J	914	34900	195	28100

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0559-C3GS	5.5 - 6 ft	22100	2720	1170	85100 J	1740	72800	366	59500 J
13B-0560-C1AS	0 - 0.5 ft	1310	426	98.2 EMPC-J	4920	117	4280	52.2 U	3270
13B-0560-C1BS	0.5 - 1.5 ft	4130	1260	378	16000	378	13700	122 U	10900
13B-0560-C1CS	1.5 - 2.5 ft	8320 J	2340 J	540 J	33500 J	733 J	29500 J	183 UJ	21600 J
13B-0560-C1GS	5.14 - 5.86 ft	18.2 U	17.2 U	19.1 U	68.8 EMPC-J	9.81 U	46 EMPC-J	20.4 U	32.6 EMPC-J
13B-0561-C1AS	0 - 0.5 ft	46900	2990	1830	180000	2800	137000	1380	127000
13B-0561-C1BS	0.5 - 1.5 ft	22500	1220	785	88700	1330	64600	358	59700
13B-0561-C1CS	1.5 - 2.5 ft	17200 J	1620 J	1290 J	78300 J	2110	60400 J	648 J	51800 J
13B-0561-C1GS	5.5 - 6.5 ft	19.9 U	18.4 U	21.4 U	19.1 U	9.82 U	16.1 U	19.1 U	17.2 U
13B-0562-G2AS	0 - 0.5 ft	2560	298	111	10300	160	8410	38.2 U	5280
13B-0563-C2AS	0 - 0.5 ft	390 J	149	31.1 J	1560 J	39.5	1290	16.5 U	1040

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	12.9	7.52	17.9	5.02	3.45	10.7	10	5.37
	Maximum Detect	158000	24900	7270	623000	10300	590000	3410	432000
	Mean of Detects	19000	2030	975	66800	1310	62300	574	47000
	St. Dev. of Detects	33600	2690	1280	127000	2070	124000	724	86400
	CV of Detects	1.77	1.32	1.32	1.89	1.59	1.99	1.26	1.84
	% Detected	82.4	76.9	71.4	91.2	74.4	88.7	30.3	88.2
Sample ID	Depth Interval								
13B-0563-C2AT	0 - 0.5 ft	658 J	211	62.6	2780 J	62.9	2020	27.3 U	1590
13B-0563-C2BS	0.5 - 1.1 ft	224	121	30.3 EMPC-J	874	26.4 EMPC-J	697	15.3 U	551
13B-0563-C2CS	1.1 - 2.5 ft	115000 J	7060 J	3840 J	488000 J	7500 J	402000 J	639 UJ	315000 J
13B-0563-C2IS	7.5 - 8.28 ft	1980	157	68.8	7850	94.1	5040	25 U	4170
13B-0564-G2AS	0 - 0.5 ft	10600 J	2350 J	702 J	42100 J	785 J	36600 J	149 UJ	28100 J
13B-0565-G1AS	0 - 0.5 ft	1550	582	153	6000	129	5010	59.6 U	4140
13B-0566-G3AS	0 - 0.5 ft	2020	476	188	5550	152 EMPC-J	5240	29.5 U	5060
13B-0567-G2AS	0 - 0.5 ft	7270 J	2810 J	756 J	27000 J	507 J	23600 J	140 J	19000 J
13B-0568-G2AS	0 - 0.5 ft	36100 J	1840 J	796 J	134000 J	1680 J	101000 J	111 UJ	90300 J
13B-0570-G3AS	0 - 0.5 ft	5910 J	1040 J	357 J	22600 J	386 J	21000 J	63.6 UJ	15700 J
13B-0571-C3AS	0 - 0.5 ft	2050	390	122	8610	148	6560	31.1 U	5320
13B-0571-C3BS	0.5 - 1.5 ft	1230	217	70.4	4910	85.2	3350	22.4 U	3060
13B-0571-C3CS	1.5 - 2.5 ft	49.9	2.93 U	3.33 U	160	0.936 U	119 J	3.63 U	152
13B-0571-C3MS	11 - 12 ft	2.3 U	2.16 U	2.45 U	5.02 EMPC-J	1.43 U	1.91 U	2.67 U	2 U
13B-0572-C1AS	0 - 0.5 ft	219	25.1 J	21.2 U	813	8.44 U	661	24.2 U	535
13B-0572-C1BS	0.5 - 1.5 ft	32 U	30.2 U	32.5 U	49.3 EMPC-J	13.7 U	52.6 J	37.1 U	29.5 U
13B-0572-C1CS	1.5 - 2.27 ft	19.4 U	18.3 U	19.7 U	18.2 U	8.97 U	16.1 U	22.5 U	17.8 U
13B-0573-C2AS	0 - 0.5 ft	2000	525	192 EMPC-J	8890	218	6780	105 U	5140
13B-0573-C2BS	0.5 - 1.5 ft	762	241	55.5 EMPC-J	2810	63.4	2580	38.5 U	1930
13B-0573-C2CS	1.5 - 2.5 ft	6660	424	241	26700	421	22700	55.4 U	17100
13B-0573-C2DS	2.5 - 3.75 ft	42.8 EMPC-J	18.9 U	22 U	144	7.93 U	134 J	19.7 U	99.2
13B-0574-C2AS	0 - 0.5 ft	13600	1150	699	53300	818	43200	6.12 U	32100
13B-0574-C2BS	0.5 - 1.5 ft	11700	819	532	50200	737	39600	4.45 U	28400
13B-0574-C2CS	1.5 - 2.5 ft	26700	2050	1700	97100	1410	76600	7.19 U	57600
13B-0574-C2HS	6.4 - 7.4 ft	25000	1600	915	97800	1360	79400	6.77 U	63900
13B-0575-C4AS	0 - 0.5 ft	62800 J	4360 J	2360 J	277000 J	5100 J	235000 J	820 J	165000 J
13B-0575-C4BS	0.5 - 1.5 ft	32700	1690	1050	130000	2050	115000	69.9 U	86800
13B-0575-C4CS	1.5 - 2.5 ft	20.2 EMPC-J	15.2 U	18.7 U	89.5	9.19 U	72 J	17.3 U	45.8
13B-0575-C4FS	4.3 - 5.44 ft	8.85 U	8.25 U	10.1 U	11.8 EMPC-J	5.09 U	7.04 U	9.38 U	7.43 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Congener

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**PCB-92**	**PCB-93**	**PCB-94**	**PCB-95**	**PCB-96**	**PCB-97**	**PCB-98**	**PCB-99**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**12.9**	**7.52**	**17.9**	**5.02**	**3.45**	**10.7**	**10**	**5.37**
	Maximum Detect	**158000**	**24900**	**7270**	**623000**	**10300**	**590000**	**3410**	**432000**
	Mean of Detects	**19000**	**2030**	**975**	**66800**	**1310**	**62300**	**574**	**47000**
	St. Dev. of Detects	**33600**	**2690**	**1280**	**127000**	**2070**	**124000**	**724**	**86400**
	CV of Detects	**1.77**	**1.32**	**1.32**	**1.89**	**1.59**	**1.99**	**1.26**	**1.84**
	% Detected	**82.4**	**76.9**	**71.4**	**91.2**	**74.4**	**88.7**	**30.3**	**88.2**
Sample ID	**Depth Interval**								
13B-0577-G1AS	0 - 0.5 ft	2270 J	511 J	144 EMPC-J	9760 J	153 J	6940 J	42.4 J	5340 J
13B-0578-C5AS	0 - 0.5 ft	429	81.6 J	9.56 U	1620	26.5 EMPC-J	1450	9.62 U	1220
13B-0578-C5BS	0.5 - 1.5 ft	859	79.8 J	39 J	3520	56.3	2610	12.8 U	2470
13B-0578-C5CS	1.5 - 2.5 ft	291	62 J	26.5 U	859	5.42 U	293 EMPC-J	23 U	602
13B-0578-C5CT	1.5 - 2.5 ft	325	51.6 J	10.4 U	967	4.08 U	357	9.08 U	728
13B-0578-C5GS	5.25 - 6.25 ft	7.28 U	6.67 U	8.15 U	45.7 J	2.71 U	43 J	7.1 U	38.1 J

Notes:
% = percent
ft = feet
pg/g = picogram per gram
CV = Coefficient of Variation
EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
PCB = Polychlorinated Biphenyl
St. Dev.= Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	550	5710 J	81000	70800	1810
13B-0501-C1BS	0.5 - 1.5 ft	402	10000 J	15100	31300 EMPC-J	1290
13B-0501-C1CS	1.5 - 2.5 ft	1270	18600 J	55500	156000	1110
13B-0501-C1DS	2.5 - 3.07 ft	1060	1420 EMPC-J	7860	12400 EMPC-J	427
13B-0502-C2AS	0 - 0.5 ft	1090	7490 J	14600 EMPC-J	27000 EMPC-J	418
13B-0502-C2BS	0.5 - 1.5 ft	1440	39600 J	85500	177000 J	1420
13B-0502-C2CS	1.5 - 2.45 ft	11000	249000 J	413000 J	825000 EMPC-J	8730
13B-0503-C1AS	0 - 0.5 ft	443	1160 J	4350 EMPC-J	8330 EMPC-J	68.2
13B-0503-C1BS	0.5 - 1.5 ft	20.5 U	40.1 UJ	12.6 U	41.4 UJ	17.5 U
13B-0503-C1CS	1.5 - 2.5 ft	14.8 U	28.2 UJ	19.5 EMPC-J	63 UJ	17 U
13B-0503-C1DS	2.5 - 2.5 ft	23.7 U	31.7 UJ	11.2 U	16.4 U	15.8 U
13B-0504-C4AS	0 - 0.5 ft	35400 J	95100 J	320000 J	719000 EMPC-J	2660 J
13B-0504-C4BS	0.5 - 1.5 ft	79600 J	83100 J	325000 J	725000 EMPC-J	3160 J
13B-0504-C4CS	1.5 - 2.5 ft	23600	34400 J	117000	259000 EMPC-J	1440
13B-0504-C4KS	9.5 - 10.25 ft	161	745 J	2000 EMPC-J	1920 EMPC-J	676
13B-0505-C1AS	0 - 0.5 ft	4310 J	36500 J	84900 J	159000 J	4660 J
13B-0505-C1BS	0.5 - 1.5 ft	910	21700	24800	47200 EMPC-J	4500
13B-0505-C1CS	1.5 - 2.5 ft	5040	174000	217000	426000	15300
13B-0505-C1FS	4.5 - 5.2 ft	32.7 U	181	138	129 EMPC-J	195 EMPC-J
13B-0506-C2AS	0 - 0.5 ft	3560	10700	50400 J	149000	719
13B-0506-C2BS	0.5 - 1.5 ft	3200	1300 EMPC-J	9860 J	10500	142
13B-0506-C2CS	1.5 - 2.5 ft	230	165 EMPC-J	707 EMPC-J	822 EMPC-J	22.9 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	87.4	287 J	1040 EMPC-J	1760 EMPC-J	51.7
13B-0507-C2BS	0.5 - 1.5 ft	30.5 J	35 J	39.2	50 EMPC-J	17.8
13B-0507-C2CS	1.5 - 2.5 ft	5.26 U	22.6 EMPC-J	4.8 U	4.94 U	17.9 EMPC-J
13B-0507-C2DS	2.5 - 3.5 ft	7.12 U	26.1 J	7.04 U	8.29 U	11.2
13B-0508-G3AS	0 - 0.5 ft	61.8 J	334 J	1260 EMPC-J	2370 EMPC-J	453
13B-0509-C1AS	0 - 0.5 ft	7090	395000 J	293000 J	747000 EMPC-J	21400
13B-0509-C1BS	0.5 - 1.5 ft	497	13700 J	13900 EMPC-J	27500 J	2020

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0509-C1CS	1.5 - 2.5 ft	73.8 EMPC-J	651 J	347 EMPC-J	469 EMPC-J	668
13B-0509-C1ES	3.17 - 4.17 ft	59.1	1230 J	24.6 EMPC-J	104 EMPC-J	2350
13B-0510-C3AS	0 - 0.5 ft	4320	17500 J	87700	255000 EMPC-J	844
13B-0510-C3BS	0.5 - 1.9 ft	559	1520 J	4790 EMPC-J	12400 J	212 EMPC-J
13B-0511-C3AS	0 - 0.5 ft	5070 J	36000 J	107000 J	180000 J	2620 J
13B-0511-C3BS	0.5 - 1.5 ft	3990	36700 J	103000	174000	2740
13B-0511-C3CS	1.5 - 2.5 ft	6220	159000 J	217000	421000	6110
13B-0511-C3HS	5.95 - 6.95 ft	26700	51600 J	118000	188000	2840
13B-0512-G1AS	0 - 0.5 ft	3750 J	25900 J	74200 J	131000 J	2920 J
13B-0513-G1AS	0 - 0.5 ft	14000 J	244000 J	281000 J	686000 EMPC-J	6740 J
13B-0514-G1AS	0 - 0.5 ft	3770 J	32900 J	81400 J	156000 J	2370 J
13B-0515-C1AS	0 - 0.5 ft	1990	5510 J	18800	38200 J	369
13B-0515-C1BS	0.5 - 1.71 ft	30.3 J	93.9 J	135 EMPC-J	266 EMPC-J	4.68 U
13B-0515-C2CS	1.5 - 2.19 ft	16.8 J	84 J	65.6 EMPC-J	123 EMPC-J	5.8 U
13B-0516-C2AS	0 - 0.5 ft	3380 J	26400 J	86000 J	150000 J	1940 J
13B-0516-C2BS	0.5 - 1.5 ft	17900 J	68800 J	174000 J	289000 J	4270 J
13B-0516-C2CS	1.5 - 2.5 ft	8930 J	426000 J	305000 J	599000 EMPC-J	40600 J
13B-0516-C2LS	10.4 - 11.4 ft	19000	189000	205000	438000 EMPC-J	14400
13B-0517-G2AS	0 - 0.5 ft	162	957 EMPC-J	3430 EMPC-J	6460 EMPC-J	73.9 EMPC-J
13B-0518-G1AS	0 - 0.5 ft	1040	4910 J	16100	30800	336 EMPC-J
13B-0518-G1AT	0 - 0.5 ft	1640	7910 EMPC-J	19700	37100	544
13B-0519-C2AS	0 - 0.5 ft	5540 J	21100 J	68900 EMPC-J	133000 EMPC-J	1360 J
13B-0519-C2BS	0.5 - 1.5 ft	2460	24400	67000 EMPC-J	116000 EMPC-J	1390
13B-0519-C2CS	1.5 - 2.5 ft	11500 J	329000 J	408000 EMPC-J	1020000 EMPC-J	13500 J
13B-0519-C2RS	16.1 - 17.1 ft	18.5 U	196 J	135	432 EMPC-J	8.46 U
13B-0520-G1AS	0 - 0.5 ft	2850 J	21300 J	75500 J	139000 J	1480 J
13B-0521-C2AS	0 - 0.5 ft	359	60900 J	20200	18600 EMPC-J	286 EMPC-J
13B-0521-C2BS	0.5 - 1.5 ft	228	2270 EMPC-J	4590 EMPC-J	8960 EMPC-J	146 EMPC-J
13B-0521-C2CS	1.5 - 2.5 ft	675	3450 J	14500	26600 EMPC-J	197 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0521-C2HS	6.5 - 7.63 ft	24000 J	733000 J	964000 EMPC-J	2370000 EMPC-J	22500 J
13B-0522-G1AS	0 - 0.5 ft	4900 J	31600 J	112000 J	190000 J	2590 J
13B-0522-G1AT	0 - 0.5 ft	4770 J	33600 J	98800 J	175000 J	2620 J
13B-0523-G2AS	0 - 0.5 ft	5110 J	35300 J	98100 J	187000 EMPC-J	2530 J
13B-0524-C1AS	0 - 0.5 ft	3380 J	22200 EMPC-J	89000 J	167000 EMPC-J	1540 J
13B-0524-C1BS	0.5 - 1.5 ft	7160	31200 EMPC-J	121000 J	212000 EMPC-J	2280
13B-0524-C1CS	1.5 - 2.5 ft	4980	53000	153000 EMPC-J	281000 EMPC-J	3440
13B-0524-C1GS	5.39 - 6.39 ft	7950	429000 J	305000	644000 EMPC-J	28200
13B-0525-C1AS	0 - 0.5 ft	5090 J	31200 J	101000 EMPC-J	185000 EMPC-J	2360 J
13B-0525-C1BS	0.5 - 1.5 ft	4650 J	37200 J	136000 EMPC-J	241000 EMPC-J	2760 J
13B-0525-C1CS	1.5 - 2.5 ft	5580 J	54500 J	203000 J	352000 EMPC-J	3270 J
13B-0525-C1HS	6.42 - 7.42 ft	6280	225000	197000	420000 EMPC-J	40700
13B-0526-C1AS	0 - 0.5 ft	11000 J	316000 J	423000 J	966000 EMPC-J	14300 J
13B-0526-C1BS	0.5 - 1.5 ft	24300 J	502000 J	1030000 J	2320000 J	13100 J
13B-0526-C1CS	1.5 - 2.5 ft	19400 J	901000 J	974000 J	2070000 EMPC-J	29200 J
13B-0526-C1CT	1.5 - 2.5 ft	20700 J	945000 J	947000 J	2300000 J	34400 J
13B-0526-C1HS	6.5 - 7.62 ft	4650	42300 J	69300	169000 J	2130
13B-0527-C2AS	0 - 0.5 ft	339	2210 EMPC-J	6480	12400 EMPC-J	153
13B-0527-C2BS	0.5 - 1.5 ft	12.1 J	49.6 J	444 EMPC-J	530 EMPC-J	3.15 U
13B-0527-C2CS	1.5 - 2.6 ft	5.53 U	35.7 J	12.4	39.7 EMPC-J	3.34 U
13B-0528-C3AS	0 - 0.5 ft	6040 J	55400 J	146000 J	295000 EMPC-J	2620 J
13B-0528-C3BS	0.5 - 1.5 ft	27200 J	659000 J	1020000 J	2510000 J	14000 J
13B-0528-C3CS	1.5 - 2.5 ft	34200 J	179000 J	301000 J	745000 EMPC-J	3190 J
13B-0528-C3LS	10.5 - 11.54 ft	6410	1030 J	50700	14600 EMPC-J	977
13B-0529-C2AS	0 - 0.5 ft	503	9140 J	11600	26800 EMPC-J	433
13B-0529-C2BS	0.5 - 1.5 ft	135	783 J	1920 EMPC-J	3810 EMPC-J	56.1
13B-0529-C2CS	1.5 - 2.5 ft	960	164 J	1170 EMPC-J	1360 EMPC-J	35.9 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	119	46.9 J	241 EMPC-J	92.6 EMPC-J	25.6 EMPC-J
13B-0530-C1AS	0 - 0.5 ft	643	7040 EMPC-J	10500	22000 EMPC-J	316 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	6.72	22.6	9.31	15.5	8
	Maximum Detect	620000	1580000	1170000	2560000	58000
	Mean of Detects	14300	111000	138000	294000	4450
	St. Dev. of Detects	48400	248000	222000	527000	8520
	CV of Detects	3.39	2.24	1.61	1.79	1.91
	% Detected	91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0530-C1BS	0.5 - 1.5 ft	4560	128000	133000 EMPC-J	235000 J	9340
13B-0530-C1CS	1.5 - 1.8 ft	1120	64000	18300	37500 EMPC-J	13500
13B-0531-C2AS	0 - 0.5 ft	7950 J	3030 J	8860	12700 J	136
13B-0531-C2AT	0 - 0.5 ft	1290 J	2890 J	6500 EMPC-J	17600 EMPC-J	255
13B-0531-C2BS	0.5 - 1.5 ft	137	1910 J	5780 EMPC-J	19400 EMPC-J	75.2
13B-0531-C2CS	1.5 - 2.5 ft	579	35.3	1090 EMPC-J	885 EMPC-J	6.78 U
13B-0531-C2ES	3.5 - 4.42 ft	12.9 J	117	17.8 EMPC-J	22.2 UJ	93.9 EMPC-J
13B-0532-C1AS	0 - 0.5 ft	499	7240 EMPC-J	9470	19200	370
13B-0532-C1BS	0.5 - 1.5 ft	140	1250 EMPC-J	3440 EMPC-J	5810 EMPC-J	171
13B-0532-C1CS	1.5 - 2.5 ft	112	259 J	1780 EMPC-J	957 EMPC-J	216
13B-0532-C1DS	2.5 - 3.73 ft	16.9 J	27.2 UJ	16.5	22.1 EMPC-J	37.2 U
13B-0533-C2AS	0 - 0.5 ft	5450 J	50300 J	133000 J	268000 EMPC-J	3120 J
13B-0533-C2AT	0 - 0.5 ft	5490 J	41800 J	121000 J	238000 J	2530 J
13B-0533-C2BS	0.5 - 1.5 ft	20700 J	529000 J	813000 J	2040000 EMPC-J	8820 J
13B-0533-C2CS	1.5 - 2.5 ft	25600 J	121000 J	276000 J	615000 EMPC-J	4370 J
13B-0533-C2JS	8.5 - 9.62 ft	116000	2370 J	111000	72300	356
13B-0533-C2JT	8.5 - 9.62 ft	116000	2190 J	111000	70300 EMPC-J	346 EMPC-J
13B-0534-C2AS	0 - 0.5 ft	16900 J	530000 J	437000 J	1070000 J	12000 J
13B-0534-C2AT	0 - 0.5 ft	15200 J	507000 J	408000 J	973000 EMPC-J	11500 J
13B-0534-C2BS	0.5 - 1.5 ft	28800	130000 J	247000 EMPC-J	532000 EMPC-J	4250
13B-0534-C2CS	1.5 - 2.5 ft	90100	14500 J	208000	173000 J	996
13B-0534-C2IS	7.5 - 8.59 ft	116000	836 EMPC-J	92700	31600	433
13B-0535-C2AS	0 - 0.5 ft	16100 J	35200 J	107000 J	189000 J	2660 J
13B-0535-C2BS	0.5 - 1.5 ft	4110	598 J	4150 EMPC-J	4840 EMPC-J	188 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	59.1	28.4 UJ	164 EMPC-J	303 EMPC-J	11.1 U
13B-0536-C1AS	0 - 0.5 ft	20800 J	18300 J	69100 J	106000 J	1370 J
13B-0536-C1BS	0.5 - 1.5 ft	841	556 J	2770 EMPC-J	2490 EMPC-J	360
13B-0536-C1CS	1.5 - 2.5 ft	107	904 J	659 EMPC-J	635 EMPC-J	637
13B-0536-C1FS	4.28 - 5.28 ft	194	2310 J	69.1 EMPC-J	122 EMPC-J	2820

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0537-C3AS	0 - 0.5 ft	856	8290	17400 EMPC-J	35900 EMPC-J	491
13B-0538-C3AS	0 - 0.5 ft	34600 J	1580000 J	792000 EMPC-J	2130000 EMPC-J	53100 J
13B-0538-C3BS	0.5 - 1.5 ft	39700 J	1120000 J	857000 EMPC-J	2230000 EMPC-J	18200 J
13B-0538-C3CS	1.5 - 2.5 ft	13500 J	979000 J	548000 EMPC-J	1590000 EMPC-J	37200 J
13B-0538-C3ES	3.5 - 4.8 ft	55.1	432 J	21.1	132 EMPC-J	228
13B-0539-C3AS	0 - 0.5 ft	13800	75600	178000	374000 EMPC-J	3070 J
13B-0539-C3AT	0 - 0.5 ft	16300	110000	227000	513000 EMPC-J	5040 J
13B-0539-C3BS	0.5 - 1.5 ft	170000	29700 EMPC-J	185000 EMPC-J	227000 EMPC-J	2030
13B-0539-C3CS	1.5 - 2.5 ft	620000 J	7790 J	297000 EMPC-J	155000 EMPC-J	878
13B-0539-C3HS	6.5 - 7.59 ft	162	26.6 J	48.9	40.8 EMPC-J	5.05 U
13B-0540-C4AS	0 - 0.5 ft	4960 J	27100 J	91000 J	185000 EMPC-J	1830 J
13B-0540-C4BS	0.5 - 1.5 ft	5240 J	86000 J	130000 EMPC-J	290000 EMPC-J	4060 J
13B-0540-C4CS	1.5 - 2.5 ft	16500 J	753000 J	707000 J	1730000 EMPC-J	18900 J
13B-0540-C4LS	10.3 - 11.25 ft	25.9 U	62.9 J	40.1	77.3 EMPC-J	37 U
13B-0541-C1AS	0 - 0.5 ft	4920 J	112000 J	106000 J	224000 J	2620 J
13B-0541-C1BS	0.5 - 1.5 ft	4170	202000 J	92400	197000 EMPC-J	4050
13B-0541-C1CS	1.5 - 2.5 ft	1680	17900	28800 EMPC-J	61000 EMPC-J	721
13B-0541-C1FS	4.5 - 5.67 ft	13.3 U	46 UJ	17.1 EMPC-J	55.9 EMPC-J	10.9 U
13B-0542-C2AS	0 - 0.5 ft	23000	2480 EMPC-J	14200	6770 EMPC-J	1870
13B-0542-C2BS	0.5 - 1.5 ft	55.4	519 EMPC-J	14.9	63 EMPC-J	796
13B-0542-C2CS	1.5 - 2.5 ft	67.6	446 EMPC-J	8.71 U	28.4 EMPC-J	1080
13B-0542-C2HS	6.5 - 7.55 ft	8.81 U	16.9 UJ	6.12 U	15.5 EMPC-J	10.2 U
13B-0543-G1AS	0 - 0.5 ft	3040 J	19800 J	60700 J	114000 J	1290 J
13B-0544-C2AS	0 - 0.5 ft	2730 J	17300 J	58400 J	108000 EMPC-J	1350 J
13B-0544-C2BS	0.5 - 1.5 ft	10700	24800	84900 EMPC-J	167000 EMPC-J	1700
13B-0544-C2CS	1.5 - 2.5 ft	8330	39200	150000	252000 EMPC-J	2830
13B-0544-C2ES	3 - 3.97 ft	17500	19500 EMPC-J	74200	85000 EMPC-J	1140
13B-0546-G2AS	0 - 0.5 ft	360	6010 EMPC-J	5740 EMPC-J	14800 J	733
13B-0547-C2AS	0 - 0.5 ft	29300 J	459000 J	599000 J	1440000 J	6310 J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0547-C2BS	0.5 - 1.5 ft	72800 J	158000 J	315000 J	614000 EMPC-J	3070 J
13B-0547-C2CS	1.5 - 2.05 ft	47900	2060 J	68600	31800 J	439
13B-0547-C2HS	6.5 - 7.15 ft	6.72 EMPC-J	101 J	54.6 EMPC-J	78.3	21.7
13B-0548-C1AS	0 - 0.5 ft	2010	20300 EMPC-J	37500 EMPC-J	73300 EMPC-J	1300
13B-0548-C1BS	0.5 - 1.5 ft	2210	14500 J	42700	97100 EMPC-J	728
13B-0548-C1BT	0.5 - 1.5 ft	2270	15600 J	40800 EMPC-J	79300 EMPC-J	912
13B-0548-C1CS	1.5 - 2.5 ft	5800	39100 EMPC-J	104000	161000 EMPC-J	2320
13B-0548-C1IS	7.5 - 8.79 ft	9.18 U	22.3 UJ	8.5 U	10 U	9.84 U
13B-0549-C3AS	0 - 0.5 ft	2350	12100 J	58700 EMPC-J	86000 EMPC-J	973
13B-0549-C3BS	0.5 - 1.5 ft	36.1 EMPC-J	687 J	26.1 U	98.4 UJ	621
13B-0549-C3CS	1.5 - 2.65 ft	48	2080 J	8.8 U	16.9 U	2250
13B-0550-C3AS	0 - 0.5 ft	2850 J	15300 J	49900 J	97400 EMPC-J	922 J
13B-0550-C3BS	0.5 - 1.5 ft	707	5940 J	12000	24100 J	367
13B-0550-C3CS	1.5 - 2.5 ft	10.7 U	37.4 J	27.5 EMPC-J	71.2 EMPC-J	23.2
13B-0550-C3FS	4.5 - 5.37 ft	2.83 U	17.7 UJ	31.2 EMPC-J	52.1 EMPC-J	2.39 U
13B-0551-C2AS	0 - 0.5 ft	3170	21300 J	41000	85700 EMPC-J	858
13B-0551-C2BS	0.5 - 0.88 ft	4920	17200 J	34200 EMPC-J	65100 J	573
13B-0552-C3AS	0 - 0.5 ft	4380 J	34900 J	94400 EMPC-J	196000 EMPC-J	2130 J
13B-0552-C3BS	0.5 - 1.5 ft	8410	97200	247000	436000 EMPC-J	6020
13B-0552-C3CS	1.5 - 2.38 ft	10500 J	492000 J	476000 EMPC-J	1300000 EMPC-J	13100 J
13B-0552-C3CT	1.5 - 2.38 ft	9140	364000 J	443000	1070000 EMPC-J	8270 J
13B-0553-C2AS	0 - 0.5 ft	8710	6630 J	31900 EMPC-J	71100 EMPC-J	464
13B-0553-C2BS	0.5 - 1.5 ft	11100	255 J	32500 EMPC-J	7760 EMPC-J	193
13B-0553-C2CS	1.5 - 2.5 ft	158	777 J	170 EMPC-J	211 EMPC-J	633
13B-0553-C2DS	2.5 - 3.5 ft	158	1870 J	26.5 U	270 EMPC-J	1360
13B-0554-C1AS	0 - 0.5 ft	4070 J	9000 J	29600 EMPC-J	54100 J	556
13B-0554-C1BS	0.5 - 1.5 ft	3980	28300 J	95200 J	174000 J	2280
13B-0554-C1CS	1.5 - 2.5 ft	3640	68600 J	112000 J	215000 EMPC-J	4280
13B-0554-C1ES	3.5 - 4.7 ft	65	78.7 J	142 EMPC-J	148 EMPC-J	11.4 U

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0555-C1AS	0 - 0.5 ft	28500 J	849000 J	995000 J	2160000 J	14600 J
13B-0555-C1BS	0.5 - 1.22 ft	113000 J	199000 J	244000 J	517000 EMPC-J	2900
13B-0555-C2CS	1.5 - 2 ft	21300 J	1450000 J	1170000 J	2560000 J	29900 J
13B-0555-C2DS	2 - 3 ft	210000 J	301000 J	419000 J	885000 EMPC-J	5440 J
13B-0556-C2AS	0 - 0.5 ft	2710 J	18600 J	86300 J	134000 J	1440 J
13B-0556-C2BS	0.5 - 1.5 ft	3110	21600 J	126000 J	155000 EMPC-J	1560
13B-0556-C2CS	1.5 - 2.38 ft	4440	25100 J	52300	89800 EMPC-J	2290
13B-0557-C2AS	0 - 0.5 ft	2990 J	40500 J	68200 J	149000 J	2100 J
13B-0557-C2BS	0.5 - 1.5 ft	3460 J	39400 J	67700 J	144000 J	2100 J
13B-0557-C2CS	1.5 - 2.5 ft	5250	144000	144000 J	293000	6090
13B-0557-C2ES	3.5 - 4.5 ft	21500	196000	152000	305000	10300
13B-0558-C2AS	0 - 0.5 ft	1880 J	25300 J	49500 EMPC-J	92400 EMPC-J	1700 J
13B-0558-C2BS	0.5 - 1.5 ft	19100 J	12700 J	107000 J	50300 J	795
13B-0558-C2CS	1.5 - 2.5 ft	811 J	449 J	14300 EMPC-J	4420 EMPC-J	275
13B-0558-C2FS	4.5 - 5.75 ft	27.3 UJ	37.4 UJ	33.8 EMPC-J	65.5 EMPC-J	8 EMPC-J
13B-0559-C3AS	0 - 0.5 ft	1650	11500 J	40100	57600 EMPC-J	761
13B-0559-C3BS	0.5 - 1.5 ft	3450 J	32300 J	78500 EMPC-J	140000 J	1870 J
13B-0559-C3CS	1.5 - 2.5 ft	4370	156000 J	128000	252000 J	6530
13B-0559-C3GS	5.5 - 6 ft	6140	180000 J	179000	417000 J	10100
13B-0560-C1AS	0 - 0.5 ft	1070	8690 EMPC-J	15800 EMPC-J	33800 EMPC-J	626 EMPC-J
13B-0560-C1BS	0.5 - 1.5 ft	2400	31300	58400 EMPC-J	110000	2390
13B-0560-C1CS	1.5 - 2.5 ft	8160 J	60500 J	78400 J	195000 J	4630 J
13B-0560-C1GS	5.14 - 5.86 ft	31.9 U	888	60.1	164 EMPC-J	115
13B-0561-C1AS	0 - 0.5 ft	8840	249000 J	440000 EMPC-J	736000 EMPC-J	7780 J
13B-0561-C1BS	0.5 - 1.5 ft	7980	193000 J	234000	392000 J	6720
13B-0561-C1CS	1.5 - 2.5 ft	4730	98700 J	90600 J	173000 J	1460 J
13B-0561-C1GS	5.5 - 6.5 ft	56.3 EMPC-J	31.7 UJ	14.7 U	20.7 UJ	15.6 U
13B-0562-G2AS	0 - 0.5 ft	762	6790 EMPC-J	28200 EMPC-J	79200 EMPC-J	425 EMPC-J
13B-0563-C2AS	0 - 0.5 ft	241	2830 J	4150 EMPC-J	8550 EMPC-J	194

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DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0563-C2AT	0 - 0.5 ft	352	2840 EMPC-J	5950 EMPC-J	13000 J	139
13B-0563-C2BS	0.5 - 1.1 ft	114	1450 J	2590 EMPC-J	5220 EMPC-J	160 EMPC-J
13B-0563-C2CS	1.1 - 2.5 ft	21100 J	1520000 J	809000 J	1820000 J	58000 J
13B-0563-C2IS	7.5 - 8.28 ft	13700	5140 EMPC-J	17900 EMPC-J	31300 J	563
13B-0564-G2AS	0 - 0.5 ft	6210 J	54300 J	129000 J	258000 J	3360 J
13B-0565-G1AS	0 - 0.5 ft	806	6060 J	20200 EMPC-J	39600	354 EMPC-J
13B-0566-G3AS	0 - 0.5 ft	550	6950 J	12800	28000 EMPC-J	315 EMPC-J
13B-0567-G2AS	0 - 0.5 ft	4670 J	31900 J	105000 J	177000 EMPC-J	2700 J
13B-0568-G2AS	0 - 0.5 ft	16000 J	205000 J	244000 J	544000 EMPC-J	10900 J
13B-0570-G3AS	0 - 0.5 ft	3400 J	24900 J	68600 J	133000 J	1410 J
13B-0571-C3AS	0 - 0.5 ft	3110	8360	28700	54100 J	470
13B-0571-C3BS	0.5 - 1.5 ft	1710	6190	22200	40400 J	831
13B-0571-C3CS	1.5 - 2.5 ft	1910	1460 J	2380 EMPC-J	3370 EMPC-J	33.7 EMPC-J
13B-0571-C3MS	11 - 12 ft	5.25 U	42.6 EMPC-J	41.9 EMPC-J	44.3 EMPC-J	34.3
13B-0572-C1AS	0 - 0.5 ft	1550	1310 J	5310 EMPC-J	6630 EMPC-J	230
13B-0572-C1BS	0.5 - 1.5 ft	294	2360 J	506 EMPC-J	533 J	2720
13B-0572-C1CS	1.5 - 2.27 ft	91.6	202 J	65.9	78.1 EMPC-J	213
13B-0573-C2AS	0 - 0.5 ft	1300	16300 EMPC-J	21300 EMPC-J	45700 EMPC-J	857
13B-0573-C2BS	0.5 - 1.5 ft	348	7430 EMPC-J	9140 EMPC-J	21800 EMPC-J	469
13B-0573-C2CS	1.5 - 2.5 ft	2000	38300 J	53800	130000 J	1820
13B-0573-C2DS	2.5 - 3.75 ft	24.2 U	273 EMPC-J	305 EMPC-J	716 EMPC-J	14.5 U
13B-0574-C2AS	0 - 0.5 ft	3610	98400	79800 EMPC-J	194000	4220
13B-0574-C2BS	0.5 - 1.5 ft	2900 J	85500 J	62600 J	171000 J	3570 J
13B-0574-C2CS	1.5 - 2.5 ft	6540	107000	134000	338000 J	4480
13B-0574-C2HS	6.4 - 7.4 ft	4090	202000	178000	380000	5550
13B-0575-C4AS	0 - 0.5 ft	10300 J	493000 J	523000 EMPC-J	1200000 EMPC-J	7480 J
13B-0575-C4BS	0.5 - 1.5 ft	6550	248000	250000 EMPC-J	616000 EMPC-J	7670
13B-0575-C4CS	1.5 - 2.5 ft	38.7 U	1400 J	87.8 EMPC-J	255 EMPC-J	173
13B-0575-C4FS	4.3 - 5.44 ft	22.1 U	58.4 J	9.31 EMPC-J	48.2 EMPC-J	5.87 U

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DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		6.72	22.6	9.31	15.5	8
Maximum Detect		620000	1580000	1170000	2560000	58000
Mean of Detects		14300	111000	138000	294000	4450
St. Dev. of Detects		48400	248000	222000	527000	8520
CV of Detects		3.39	2.24	1.61	1.79	1.91
% Detected		91.6	95.4	95.4	95.8	91.2
Sample ID	Depth Interval					
13B-0577-G1AS	0 - 0.5 ft	2350 J	6850 EMPC-J	36400 EMPC-J	67800 EMPC-J	520 J
13B-0578-C5AS	0 - 0.5 ft	4830	2140	8000 EMPC-J	10400 J	119 EMPC-J
13B-0578-C5BS	0.5 - 1.5 ft	27200	3200 EMPC-J	29900 EMPC-J	19900 J	125 EMPC-J
13B-0578-C5CS	1.5 - 2.5 ft	21900	303	62600 EMPC-J	21200 EMPC-J	335 EMPC-J
13B-0578-C5CT	1.5 - 2.5 ft	24200	377 J	75600	24100 EMPC-J	381
13B-0578-C5GS	5.25 - 6.25 ft	23.1 J	54.8 J	168 EMPC-J	247 EMPC-J	23 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.61	12.9	9.69	17.9	7.53
	Maximum Detect	446000	449000	5450000	11100000	9650000
	Mean of Detects	24000	58500	545000	858000	663000
	St. Dev. of Detects	56300	81800	1090000	1830000	1530000
	CV of Detects	2.35	1.40	2.00	2.13	2.31
	% Detected	87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0501-C1AS	0 - 0.5 ft	3060	29600	56900	63900 EMPC-J	23600
13B-0501-C1BS	0.5 - 1.5 ft	782	3840	43200	71400	42200 J
13B-0501-C1CS	1.5 - 2.5 ft	3030	13700	193000	216000	105000
13B-0501-C1DS	2.5 - 3.07 ft	2190	5450 EMPC-J	31900	39000	6310 EMPC-J
13B-0502-C2AS	0 - 0.5 ft	1850	6040 EMPC-J	40400 EMPC-J	63300 EMPC-J	39600
13B-0502-C2BS	0.5 - 1.5 ft	3510	23900	309000 J	553000 J	287000
13B-0502-C2CS	1.5 - 2.45 ft	23600	130000	1440000 J	2380000 J	1600000 J
13B-0503-C1AS	0 - 0.5 ft	563	1630 EMPC-J	11100	14200 EMPC-J	6980 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	20 U	11 U	19.7 EMPC-J	58.2 U	26.3 U
13B-0503-C1CS	1.5 - 2.5 ft	21.9 U	18.2 U	13.4 U	22.4 U	28 U
13B-0503-C1DS	2.5 - 2.5 ft	20.4 U	12.5 U	12.8 U	15.7 U	27.1 U
13B-0504-C4AS	0 - 0.5 ft	31600 J	111000 J	1150000 J	913000 J	349000 J
13B-0504-C4BS	0.5 - 1.5 ft	40300 J	121000 J	1050000 EMPC-J	534000 J	155000 J
13B-0504-C4CS	1.5 - 2.5 ft	23000	53200	380000	188000	48300 EMPC-J
13B-0504-C4KS	9.5 - 10.25 ft	1050	2440	3460	2510 EMPC-J	1970
13B-0505-C1AS	0 - 0.5 ft	6420 J	26500 J	211000 J	282000 EMPC-J	153000 J
13B-0505-C1BS	0.5 - 1.5 ft	1630	8000	63400 EMPC-J	102000	73900 EMPC-J
13B-0505-C1CS	1.5 - 2.5 ft	10000	57600	633000	1080000	785000
13B-0505-C1FS	4.5 - 5.2 ft	69.9	235	376	514 EMPC-J	375 EMPC-J
13B-0506-C2AS	0 - 0.5 ft	6950	19300	202000	110000	46200
13B-0506-C2BS	0.5 - 1.5 ft	6810	11900 EMPC-J	9770 EMPC-J	11100	6060
13B-0506-C2CS	1.5 - 2.5 ft	506	850	737 EMPC-J	873 EMPC-J	507 EMPC-J
13B-0507-C2AS	0 - 0.5 ft	128	346 EMPC-J	1950	2680 EMPC-J	1160 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	8.36 U	15.8	49.3 EMPC-J	340 EMPC-J	33.9 EMPC-J
13B-0507-C2CS	1.5 - 2.5 ft	7.82 U	4.22 U	3.29 U	4.01 U	5.38 U
13B-0507-C2DS	2.5 - 3.5 ft	8.56 U	6.51 U	5.48 U	105 EMPC-J	6.93 U
13B-0508-G3AS	0 - 0.5 ft	105 J	384 EMPC-J	3280 EMPC-J	4290 EMPC-J	1650 J
13B-0509-C1AS	0 - 0.5 ft	13700	74800	1470000 J	2040000 J	1680000 J
13B-0509-C1BS	0.5 - 1.5 ft	2600	7540 EMPC-J	52800 EMPC-J	91800	84400

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

	Analytic Method	**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
	Analyte	**Nonachlorobiphenyl**	**Octachlorobiphenyl**	**Pentachlorobiphenyl**	**Tetrachlorobiphenyl**	**Trichlorobiphenyl**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
	Minimum Detect	**9.61**	**12.9**	**9.69**	**17.9**	**7.53**
	Maximum Detect	**446000**	**449000**	**5450000**	**11100000**	**9650000**
	Mean of Detects	**24000**	**58500**	**545000**	**858000**	**663000**
	St. Dev. of Detects	**56300**	**81800**	**1090000**	**1830000**	**1530000**
	CV of Detects	**2.35**	**1.40**	**2.00**	**2.13**	**2.31**
	% Detected	**87.0**	**88.7**	**97.1**	**97.1**	**96.2**
Sample ID	**Depth Interval**					
13B-0509-C1CS	1.5 - 2.5 ft	149 EMPC-J	337 EMPC-J	891	1010 EMPC-J	680 EMPC-J
13B-0509-C1ES	3.17 - 4.17 ft	33.5 U	37.9 U	255 EMPC-J	444 EMPC-J	425 EMPC-J
13B-0510-C3AS	0 - 0.5 ft	6360	27000	479000	503000	213000
13B-0510-C3BS	0.5 - 1.9 ft	771	1790	23700	34000	15100
13B-0511-C3AS	0 - 0.5 ft	8690 J	32600 J	248000 J	321000 J	162000 J
13B-0511-C3BS	0.5 - 1.5 ft	6990	29600	227000	298000	160000
13B-0511-C3CS	1.5 - 2.5 ft	12000	60100	786000	1430000	982000
13B-0511-C3HS	5.95 - 6.95 ft	30800	61300	390000	824000	439000
13B-0512-G1AS	0 - 0.5 ft	5470 J	22500 J	172000 J	227000 J	110000 J
13B-0513-G1AS	0 - 0.5 ft	16800 J	76600 J	1250000 J	1970000 J	1490000 J
13B-0514-G1AS	0 - 0.5 ft	6600 J	25600 J	220000 J	287000 J	160000 J
13B-0515-C1AS	0 - 0.5 ft	1630	6400	57000 EMPC-J	69200 EMPC-J	32800
13B-0515-C1BS	0.5 - 1.71 ft	47.6 EMPC-J	94.5 EMPC-J	316 EMPC-J	442 EMPC-J	205
13B-0515-C2CS	1.5 - 2.19 ft	8.81 U	13.9	258 EMPC-J	335 EMPC-J	267 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	6070 J	24100 J	201000 J	245000 J	122000 J
13B-0516-C2BS	0.5 - 1.5 ft	11500 J	49400 J	422000 J	612000 J	312000 J
13B-0516-C2CS	1.5 - 2.5 ft	15200 J	82600 J	915000 J	1610000 J	1140000 J
13B-0516-C2LS	10.4 - 11.4 ft	22800	74900	887000 EMPC-J	1310000 J	950000
13B-0517-G2AS	0 - 0.5 ft	265	1180 EMPC-J	8640 EMPC-J	9150 EMPC-J	3600
13B-0518-G1AS	0 - 0.5 ft	1660	5340 EMPC-J	43700	53000	24900
13B-0518-G1AT	0 - 0.5 ft	1980	6180	55000 EMPC-J	67900	35500
13B-0519-C2AS	0 - 0.5 ft	6180 J	21500 EMPC-J	172000 J	204000 J	102000 J
13B-0519-C2BS	0.5 - 1.5 ft	8250	30500	147000	206000	118000
13B-0519-C2CS	1.5 - 2.5 ft	23000 J	122000 J	2050000 J	3100000 J	2140000 J
13B-0519-C2RS	16.1 - 17.1 ft	23 U	23.9 U	712 EMPC-J	1130 EMPC-J	559
13B-0520-G1AS	0 - 0.5 ft	5280 J	23000 J	170000 J	223000 J	107000 J
13B-0521-C2AS	0 - 0.5 ft	1820	14400	23500	38500 EMPC-J	37100 EMPC-J
13B-0521-C2BS	0.5 - 1.5 ft	581	1920 EMPC-J	12600 EMPC-J	16500 EMPC-J	8810 J
13B-0521-C2CS	1.5 - 2.5 ft	1100	4440	31100 EMPC-J	38400 EMPC-J	18000 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		9.61	12.9	9.69	17.9	7.53
Maximum Detect		446000	449000	5450000	11100000	9650000
Mean of Detects		24000	58500	545000	858000	663000
St. Dev. of Detects		56300	81800	1090000	1830000	1530000
CV of Detects		2.35	1.40	2.00	2.13	2.31
% Detected		87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0521-C2HS	6.5 - 7.63 ft	48600 J	283000 J	4720000 EMPC-J	6980000 J	5650000 J
13B-0522-G1AS	0 - 0.5 ft	8880 J	37000 J	242000 J	330000 J	151000 J
13B-0522-G1AT	0 - 0.5 ft	8430 J	31600 J	229000 J	315000 EMPC-J	149000 J
13B-0523-G2AS	0 - 0.5 ft	8380 J	32000 J	264000 J	327000 J	163000 EMPC-J
13B-0524-C1AS	0 - 0.5 ft	6170 J	23900 EMPC-J	228000 EMPC-J	257000 J	112000 EMPC-J
13B-0524-C1BS	0.5 - 1.5 ft	8960	31700	299000 J	370000 EMPC-J	158000
13B-0524-C1CS	1.5 - 2.5 ft	10100	42200	428000	604000 J	300000 EMPC-J
13B-0524-C1GS	5.39 - 6.39 ft	14200	77800 EMPC-J	1010000	1500000 J	1190000
13B-0525-C1AS	0 - 0.5 ft	7870 J	29900 J	249000 EMPC-J	331000 J	153000 EMPC-J
13B-0525-C1BS	0.5 - 1.5 ft	9240 J	39400 J	320000 EMPC-J	421000 J	180000 J
13B-0525-C1CS	1.5 - 2.5 ft	11300 J	59500 EMPC-J	418000 EMPC-J	566000 J	291000 EMPC-J
13B-0525-C1HS	6.42 - 7.42 ft	10600	52400	728000 EMPC-J	1230000	1030000
13B-0526-C1AS	0 - 0.5 ft	27000 J	132000 J	1960000 J	2950000 J	2000000 J
13B-0526-C1BS	0.5 - 1.5 ft	57000 J	319000 J	5160000 J	7170000 J	4200000 J
13B-0526-C1CS	1.5 - 2.5 ft	51100 J	307000 J	4510000 J	7330000 J	5710000 J
13B-0526-C1CT	1.5 - 2.5 ft	49000 J	292000 J	4660000 J	7350000 J	5950000 J
13B-0526-C1HS	6.5 - 7.62 ft	6490	21900	313000	407000	266000
13B-0527-C2AS	0 - 0.5 ft	575	2140	16200 EMPC-J	19800	10100
13B-0527-C2BS	0.5 - 1.5 ft	9.61	97.1 EMPC-J	424 EMPC-J	402 EMPC-J	157
13B-0527-C2CS	1.5 - 2.6 ft	6.77 U	4.48 U	38.1	84.6 EMPC-J	36.7 EMPC-J
13B-0528-C3AS	0 - 0.5 ft	10900 J	45900 J	514000 J	704000 J	379000 J
13B-0528-C3BS	0.5 - 1.5 ft	52200 J	298000 J	5070000 J	7630000 J	5570000 J
13B-0528-C3CS	1.5 - 2.5 ft	39300 J	121000 J	1200000 J	947000 J	543000 J
13B-0528-C3LS	10.5 - 11.54 ft	30400	75000	5590 EMPC-J	4790 EMPC-J	2260 EMPC-J
13B-0529-C2AS	0 - 0.5 ft	1520	4600 EMPC-J	47400	85200 EMPC-J	52500
13B-0529-C2BS	0.5 - 1.5 ft	240	630	5570 EMPC-J	8040 EMPC-J	4130
13B-0529-C2CS	1.5 - 2.5 ft	1760	1970 EMPC-J	1620 EMPC-J	2000 EMPC-J	902 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	373	553	42.7 EMPC-J	29.9 EMPC-J	8.2
13B-0530-C1AS	0 - 0.5 ft	1200	3660 EMPC-J	34200	53200 EMPC-J	35400 EMPC-J

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DATA RESULTS SUMMARY
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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.61	12.9	9.69	17.9	7.53
	Maximum Detect	446000	449000	5450000	11100000	9650000
	Mean of Detects	24000	58500	545000	858000	663000
	St. Dev. of Detects	56300	81800	1090000	1830000	1530000
	CV of Detects	2.35	1.40	2.00	2.13	2.31
	% Detected	87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0530-C1BS	0.5 - 1.5 ft	8090	39100	331000	672000	558000
13B-0530-C1CS	1.5 - 1.8 ft	1400	5660 EMPC-J	56700 EMPC-J	120000	166000
13B-0531-C2AS	0 - 0.5 ft	6870 J	4970 EMPC-J	16700 EMPC-J	24300 J	14900 EMPC-J
13B-0531-C2AT	0 - 0.5 ft	1180 J	1990 EMPC-J	23100 EMPC-J	28800 J	13000
13B-0531-C2BS	0.5 - 1.5 ft	295	1430	55300 J	90300 J	19100 J
13B-0531-C2CS	1.5 - 2.5 ft	1530	1770 EMPC-J	666 EMPC-J	465 EMPC-J	198 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	32.5	29 EMPC-J	37.2 EMPC-J	24.2	13.9
13B-0532-C1AS	0 - 0.5 ft	878	3280	29800	45600	27600
13B-0532-C1BS	0.5 - 1.5 ft	561	1780 EMPC-J	8150 EMPC-J	11400	6140
13B-0532-C1CS	1.5 - 2.5 ft	1030	2670 EMPC-J	1120 EMPC-J	1170 EMPC-J	959 EMPC-J
13B-0532-C1DS	2.5 - 3.73 ft	10.4 U	6.88 U	36.1 EMPC-J	23.9 EMPC-J	10.8
13B-0533-C2AS	0 - 0.5 ft	10200 J	42500 J	419000 J	597000 J	306000 J
13B-0533-C2AT	0 - 0.5 ft	9690 J	37300 J	343000 J	473000 J	244000 J
13B-0533-C2BS	0.5 - 1.5 ft	43900 J	234000 J	4000000 J	7070000 J	5500000 J
13B-0533-C2CS	1.5 - 2.5 ft	29000 J	96900 J	1000000 J	1180000 J	624000 J
13B-0533-C2JS	8.5 - 9.62 ft	315000 J	245000	70100 J	36200	18800
13B-0533-C2JT	8.5 - 9.62 ft	311000 J	252000	62200 J	31900	16900
13B-0534-C2AS	0 - 0.5 ft	27500 J	138000 J	2200000 J	3900000 J	2890000 J
13B-0534-C2AT	0 - 0.5 ft	24500 J	113000 J	2070000 J	3630000 J	2770000 J
13B-0534-C2BS	0.5 - 1.5 ft	33100	95700	970000	1400000 J	827000
13B-0534-C2CS	1.5 - 2.5 ft	94000	189000	180000	67100 EMPC-J	15700 EMPC-J
13B-0534-C2IS	7.5 - 8.59 ft	288000	265000	22200 EMPC-J	10500 J	4270 EMPC-J
13B-0535-C2AS	0 - 0.5 ft	21200 J	41000 J	289000 J	364000 J	185000 J
13B-0535-C2BS	0.5 - 1.5 ft	5720	5600	5940 EMPC-J	7300 EMPC-J	3810 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	35.6	60.5	406	625 EMPC-J	254 EMPC-J
13B-0536-C1AS	0 - 0.5 ft	54200 J	62100 J	146000 J	170000 J	85000 J
13B-0536-C1BS	0.5 - 1.5 ft	3290	4170	3930	3400 EMPC-J	2680
13B-0536-C1CS	1.5 - 2.5 ft	284	684 EMPC-J	1360 EMPC-J	1990	1230 EMPC-J
13B-0536-C1FS	4.28 - 5.28 ft	53 EMPC-J	41.5 EMPC-J	158	322 EMPC-J	232 EMPC-J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.61	12.9	9.69	17.9	7.53
	Maximum Detect	446000	449000	5450000	11100000	9650000
	Mean of Detects	24000	58500	545000	858000	663000
	St. Dev. of Detects	56300	81800	1090000	1830000	1530000
	CV of Detects	2.35	1.40	2.00	2.13	2.31
	% Detected	87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0537-C3AS	0 - 0.5 ft	1470	5310	59900	93900 EMPC-J	50600
13B-0538-C3AS	0 - 0.5 ft	45300 J	242000 J	4720000 J	7580000 J	6590000 J
13B-0538-C3BS	0.5 - 1.5 ft	56200 J	254000 J	4580000 EMPC-J	7120000 J	6180000 J
13B-0538-C3CS	1.5 - 2.5 ft	27600 J	157000 J	3360000 EMPC-J	5370000 J	5090000 EMPC-J
13B-0538-C3ES	3.5 - 4.8 ft	15.9 U	11.6 U	357 EMPC-J	1100 EMPC-J	1130
13B-0539-C3AS	0 - 0.5 ft	17900	63700	660000 EMPC-J	867000 EMPC-J	504000
13B-0539-C3AT	0 - 0.5 ft	22800	78500	910000 EMPC-J	1190000	721000
13B-0539-C3BS	0.5 - 1.5 ft	332000 J	228000 EMPC-J	286000 EMPC-J	123000	36700
13B-0539-C3CS	1.5 - 2.5 ft	446000 J	449000	81300 EMPC-J	42100 EMPC-J	21800 EMPC-J
13B-0539-C3HS	6.5 - 7.59 ft	131	78.2 EMPC-J	48.3 EMPC-J	42.8 EMPC-J	19.8
13B-0540-C4AS	0 - 0.5 ft	8260 J	29700 J	244000 EMPC-J	292000 J	130000 J
13B-0540-C4BS	0.5 - 1.5 ft	9870 J	40400 J	559000 J	810000 J	546000 EMPC-J
13B-0540-C4CS	1.5 - 2.5 ft	36300 J	200000 J	3620000 EMPC-J	5770000 J	5020000 J
13B-0540-C4LS	10.3 - 11.25 ft	16.7 U	14.9 U	155 EMPC-J	211 EMPC-J	100 EMPC-J
13B-0541-C1AS	0 - 0.5 ft	10500 J	34600 J	424000 J	862000 J	836000 J
13B-0541-C1BS	0.5 - 1.5 ft	7570	30800	427000	1100000	1400000 J
13B-0541-C1CS	1.5 - 2.5 ft	3310	11200 EMPC-J	122000 EMPC-J	240000	146000 EMPC-J
13B-0541-C1FS	4.5 - 5.67 ft	19.2 U	7.99 U	102 EMPC-J	121 EMPC-J	68.2
13B-0542-C2AS	0 - 0.5 ft	58800	53000 EMPC-J	7250 EMPC-J	8400 EMPC-J	5790
13B-0542-C2BS	0.5 - 1.5 ft	35.1 EMPC-J	18.8	72.2 EMPC-J	78.8	46.7 EMPC-J
13B-0542-C2CS	1.5 - 2.5 ft	20.9 U	13.2 U	14.4 EMPC-J	288 EMPC-J	84.3
13B-0542-C2HS	6.5 - 7.55 ft	12.9 U	6.66 U	5.96 U	9.09 U	13.8 U
13B-0543-G1AS	0 - 0.5 ft	6680 J	20800 J	170000 J	209000 J	105000 J
13B-0544-C2AS	0 - 0.5 ft	4890 J	18300 J	146000 J	198000 EMPC-J	88100 J
13B-0544-C2BS	0.5 - 1.5 ft	8570	26400	241000	269000	117000
13B-0544-C2CS	1.5 - 2.5 ft	15600	53600	318000	417000 EMPC-J	201000
13B-0544-C2ES	3 - 3.97 ft	38200	62300 EMPC-J	107000 EMPC-J	155000	86700 EMPC-J
13B-0546-G2AS	0 - 0.5 ft	568	1710 EMPC-J	26400	62700 EMPC-J	22000
13B-0547-C2AS	0 - 0.5 ft	55300 J	204000 J	3230000 J	5440000 J	4670000 J

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	Analytic Method	E1668A	E1668A	E1668A	E1668A	E1668A
	Analyte	Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g
	Minimum Detect	9.61	12.9	9.69	17.9	7.53
	Maximum Detect	446000	449000	5450000	11100000	9650000
	Mean of Detects	24000	58500	545000	858000	663000
	St. Dev. of Detects	56300	81800	1090000	1830000	1530000
	CV of Detects	2.35	1.40	2.00	2.13	2.31
	% Detected	87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0547-C2BS	0.5 - 1.5 ft	101000 J	171000 J	1120000 J	1550000 J	1110000 J
13B-0547-C2CS	1.5 - 2.05 ft	127000	154000	21000	19000	11900
13B-0547-C2HS	6.5 - 7.15 ft	8.09 U	20 EMPC-J	53.1 EMPC-J	343	21.1 EMPC-J
13B-0548-C1AS	0 - 0.5 ft	3920 J	12600	112000 EMPC-J	152000	95600
13B-0548-C1BS	0.5 - 1.5 ft	3930 J	13400	139000	145000	84200
13B-0548-C1BT	0.5 - 1.5 ft	3880	12900	111000	141000	81800
13B-0548-C1CS	1.5 - 2.5 ft	14300	46100	203000 EMPC-J	283000 J	182000
13B-0548-C1IS	7.5 - 8.79 ft	14.1 U	7.06 U	7.7 U	24.3 U	18.6 U
13B-0549-C3AS	0 - 0.5 ft	4370 J	21800	113000 EMPC-J	134000	60700
13B-0549-C3BS	0.5 - 1.5 ft	20.4 UJ	14.9 U	144 EMPC-J	147	68.5
13B-0549-C3CS	1.5 - 2.65 ft	14.6 UJ	10.3 U	9.69	85.5	110 EMPC-J
13B-0550-C3AS	0 - 0.5 ft	4980 J	15500 J	139000 J	152000 J	73200 J
13B-0550-C3BS	0.5 - 1.5 ft	1240	3920 EMPC-J	36600	49000	31000
13B-0550-C3CS	1.5 - 2.5 ft	10.3 U	4.66 U	70.5 EMPC-J	134 EMPC-J	22.2
13B-0550-C3FS	4.5 - 5.37 ft	6.2 U	2.91 U	31.9 EMPC-J	17.9	7.27 U
13B-0551-C2AS	0 - 0.5 ft	7430	16500	136000	217000	164000
13B-0551-C2BS	0.5 - 0.88 ft	12000	19800	106000	185000	154000
13B-0552-C3AS	0 - 0.5 ft	8720 J	34800 J	262000 J	322000 J	184000 EMPC-J
13B-0552-C3BS	0.5 - 1.5 ft	14400	73200	521000	651000	399000 EMPC-J
13B-0552-C3CS	1.5 - 2.38 ft	25700	170000 J	2330000 EMPC-J	3890000 J	2790000 J
13B-0552-C3CT	1.5 - 2.38 ft	22600	132000	2110000 J	3270000 J	2630000 J
13B-0553-C2AS	0 - 0.5 ft	22600	29600	110000 EMPC-J	83400 EMPC-J	36500
13B-0553-C2BS	0.5 - 1.5 ft	31400	59300 EMPC-J	2390 EMPC-J	1870 EMPC-J	583
13B-0553-C2CS	1.5 - 2.5 ft	106 EMPC-J	226 EMPC-J	212 EMPC-J	809 EMPC-J	297 EMPC-J
13B-0553-C2DS	2.5 - 3.5 ft	35 U	34.6 U	204 EMPC-J	1080 EMPC-J	250 EMPC-J
13B-0554-C1AS	0 - 0.5 ft	5300 J	9210	66000	86600	49000
13B-0554-C1BS	0.5 - 1.5 ft	7040	28100	212000	276000	128000
13B-0554-C1CS	1.5 - 2.5 ft	6140	29600	278000 J	387000 J	259000 J
13B-0554-C1ES	3.5 - 4.7 ft	107	145 EMPC-J	114 EMPC-J	104 U	86.7 EMPC-J

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DATA RESULTS SUMMARY
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Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		9.61	12.9	9.69	17.9	7.53
Maximum Detect		446000	449000	5450000	11100000	9650000
Mean of Detects		24000	58500	545000	858000	663000
St. Dev. of Detects		56300	81800	1090000	1830000	1530000
CV of Detects		2.35	1.40	2.00	2.13	2.31
% Detected		87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0555-C1AS	0 - 0.5 ft	61800 J	322000 J	4450000 J	7910000 J	6170000 J
13B-0555-C1BS	0.5 - 1.22 ft	118000 J	159000	1130000 J	2400000 J	1990000 J
13B-0555-C2CS	1.5 - 2 ft	57400 J	366000 J	5450000 J	11100000 J	9650000 J
13B-0555-C2DS	2 - 3 ft	217000 J	250000 J	1860000 J	3630000 J	2790000 J
13B-0556-C2AS	0 - 0.5 ft	4800 J	23900 J	177000 J	210000 J	96600 J
13B-0556-C2BS	0.5 - 1.5 ft	8170	50600 J	208000	277000	113000
13B-0556-C2CS	1.5 - 2.38 ft	9580	26100	120000	137000	77700
13B-0557-C2AS	0 - 0.5 ft	5450 J	22500 J	241000 J	303000 J	163000 J
13B-0557-C2BS	0.5 - 1.5 ft	6360 J	23600 J	221000 J	282000 J	148000 J
13B-0557-C2CS	1.5 - 2.5 ft	9160	44500	476000	836000	558000
13B-0557-C2ES	3.5 - 4.5 ft	42400	84500	621000	1170000	856000
13B-0558-C2AS	0 - 0.5 ft	4530 J	16900 J	122000 J	186000 J	106000 J
13B-0558-C2BS	0.5 - 1.5 ft	70300 J	159000	50900 EMPC-J	93100 J	58100 J
13B-0558-C2CS	1.5 - 2.5 ft	8220 J	19900	3100 EMPC-J	2710 EMPC-J	1230 EMPC-J
13B-0558-C2FS	4.5 - 5.75 ft	19 UJ	12.9	74.4 EMPC-J	75.3 J	30.4 UJ
13B-0559-C3AS	0 - 0.5 ft	3060	15200	71600 EMPC-J	85400 EMPC-J	49000
13B-0559-C3BS	0.5 - 1.5 ft	5920 J	24200 EMPC-J	193000 J	237000 J	141000 J
13B-0559-C3CS	1.5 - 2.5 ft	6910	37200 EMPC-J	359000 J	514000 J	422000 J
13B-0559-C3GS	5.5 - 6 ft	11500	54600	720000 J	1070000 J	774000 J
13B-0560-C1AS	0 - 0.5 ft	1680	5530	46200 EMPC-J	54600 EMPC-J	32200
13B-0560-C1BS	0.5 - 1.5 ft	4210	17800	146000	199000	120000
13B-0560-C1CS	1.5 - 2.5 ft	6460 J	23300 J	303000 J	351000 J	221000 J
13B-0560-C1GS	5.14 - 5.86 ft	29.1 U	23.7 U	438 EMPC-J	1200 EMPC-J	2220 EMPC-J
13B-0561-C1AS	0 - 0.5 ft	27100	150000	1450000 J	2410000 J	1960000 EMPC-J
13B-0561-C1BS	0.5 - 1.5 ft	19200	81400	705000	1370000	1380000 J
13B-0561-C1CS	1.5 - 2.5 ft	7820	32300	651000 J	1490000 J	1120000 J
13B-0561-C1GS	5.5 - 6.5 ft	29.2 U	26.5 U	14.3 U	76.6 J	83.2
13B-0562-G2AS	0 - 0.5 ft	1780	8810	83100	57300 EMPC-J	28600
13B-0563-C2AS	0 - 0.5 ft	435	1450	13100 EMPC-J	18700 J	13600

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Analytic Method		**E1668A**	**E1668A**	**E1668A**	**E1668A**	**E1668A**
Analyte		**Nonachlorobiphenyl**	**Octachlorobiphenyl**	**Pentachlorobiphenyl**	**Tetrachlorobiphenyl**	**Trichlorobiphenyl**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**9.61**	**12.9**	**9.69**	**17.9**	**7.53**
Maximum Detect		**446000**	**449000**	**5450000**	**11100000**	**9650000**
Mean of Detects		**24000**	**58500**	**545000**	**858000**	**663000**
St. Dev. of Detects		**56300**	**81800**	**1090000**	**1830000**	**1530000**
CV of Detects		**2.35**	**1.40**	**2.00**	**2.13**	**2.31**
% Detected		**87.0**	**88.7**	**97.1**	**97.1**	**96.2**
Sample ID	**Depth Interval**					
13B-0563-C2AT	0 - 0.5 ft	717	2240 EMPC-J	21200 EMPC-J	30500 J	17400
13B-0563-C2BS	0.5 - 1.1 ft	256	855 EMPC-J	7210 EMPC-J	10400	7160
13B-0563-C2CS	1.1 - 2.5 ft	63500 J	240000 J	3780000 J	7670000 J	8480000 J
13B-0563-C2IS	7.5 - 8.28 ft	14200	17600	56400 EMPC-J	48500 EMPC-J	27300
13B-0564-G2AS	0 - 0.5 ft	10400 J	40400 J	383000 J	491000 J	295000 J
13B-0565-G1AS	0 - 0.5 ft	1370 EMPC-J	6540 EMPC-J	54100 EMPC-J	71000	32200
13B-0566-G3AS	0 - 0.5 ft	932	4290 EMPC-J	58000 EMPC-J	98200	47300
13B-0567-G2AS	0 - 0.5 ft	8560 J	33400 J	238000 EMPC-J	318000 J	149000 J
13B-0568-G2AS	0 - 0.5 ft	23100 J	91600 J	1080000 J	1460000 J	1270000 J
13B-0570-G3AS	0 - 0.5 ft	6170 J	20000 J	206000 J	273000 J	146000 J
13B-0571-C3AS	0 - 0.5 ft	3840	9530	68800	70400	35800
13B-0571-C3BS	0.5 - 1.5 ft	2180	6860	38700 EMPC-J	21200	10000
13B-0571-C3CS	1.5 - 2.5 ft	1570	1720 EMPC-J	1600 EMPC-J	1260	612
13B-0571-C3MS	11 - 12 ft	4.57 U	1.72 U	25.6 EMPC-J	254 EMPC-J	7.53 EMPC-J
13B-0572-C1AS	0 - 0.5 ft	1840	3610 EMPC-J	6970 EMPC-J	6470 EMPC-J	4710
13B-0572-C1BS	0.5 - 1.5 ft	218	407 EMPC-J	383 EMPC-J	363 EMPC-J	263 EMPC-J
13B-0572-C1CS	1.5 - 2.27 ft	33.8 U	25.2 U	64.1 EMPC-J	111 EMPC-J	93.9 EMPC-J
13B-0573-C2AS	0 - 0.5 ft	2480	9320	69500 EMPC-J	103000	70500
13B-0573-C2BS	0.5 - 1.5 ft	749	3050 EMPC-J	26600 EMPC-J	32900 J	25600 EMPC-J
13B-0573-C2CS	1.5 - 2.5 ft	3540	16400 EMPC-J	226000 EMPC-J	307000 J	203000 J
13B-0573-C2DS	2.5 - 3.75 ft	20.9 U	16.8 U	1250 EMPC-J	1590 EMPC-J	1220 EMPC-J
13B-0574-C2AS	0 - 0.5 ft	7360	24400	435000	720000	590000
13B-0574-C2BS	0.5 - 1.5 ft	4870 J	17500 J	399000 J	628000 J	523000 J
13B-0574-C2CS	1.5 - 2.5 ft	21400	60300	777000 EMPC-J	1000000 EMPC-J	656000
13B-0574-C2HS	6.4 - 7.4 ft	9940	53200	802000	1530000 J	1230000 J
13B-0575-C4AS	0 - 0.5 ft	23500 J	134000 J	2310000 J	4230000 J	3390000 J
13B-0575-C4BS	0.5 - 1.5 ft	15300	73900	1140000 EMPC-J	1920000 J	1560000 J
13B-0575-C4CS	1.5 - 2.5 ft	31.5 U	28.9 U	630 EMPC-J	1640 EMPC-J	2350
13B-0575-C4FS	4.3 - 5.44 ft	20.4 U	10.4 U	104 EMPC-J	262 EMPC-J	230 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCB-Homolog

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Nonachlorobiphenyl	Octachlorobiphenyl	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
Unit		pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		9.61	12.9	9.69	17.9	7.53
Maximum Detect		446000	449000	5450000	11100000	9650000
Mean of Detects		24000	58500	545000	858000	663000
St. Dev. of Detects		56300	81800	1090000	1830000	1530000
CV of Detects		2.35	1.40	2.00	2.13	2.31
% Detected		87.0	88.7	97.1	97.1	96.2
Sample ID	Depth Interval					
13B-0577-G1AS	0 - 0.5 ft	4560 J	12600 EMPC-J	75600 EMPC-J	66500 EMPC-J	23500 EMPC-J
13B-0578-C5AS	0 - 0.5 ft	8080	9780	15100 EMPC-J	20100 EMPC-J	11200
13B-0578-C5BS	0.5 - 1.5 ft	71400	74100	28500 EMPC-J	51800 EMPC-J	36900 EMPC-J
13B-0578-C5CS	1.5 - 2.5 ft	63300	134000	5580 EMPC-J	3290 EMPC-J	1190 EMPC-J
13B-0578-C5CT	1.5 - 2.5 ft	69800	129000	6420 EMPC-J	3870 EMPC-J	1510
13B-0578-C5GS	5.25 - 6.25 ft	118	238 EMPC-J	414 EMPC-J	271 EMPC-J	128 EMPC-J

Notes:
% = percent
ft = feet
pg/g = picogram per gram
CV = Coefficient of Variation
EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
PCB = Polychlorinated Biphenyl
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.305	0.111	0.347	0.295	0.233	0.306	0.214	0.227	0.236	0.283	0.166
Maximum Detect		4570	7370	263	82.8	1720	332	361	150	19.7	111	414
Mean of Detects		601	693	32.4	11.6	156	45.0	45.3	23.0	3.34	16.9	18.6
St. Dev. of Detects		832	1220	46.2	14.3	283	62.6	65.1	28.5	4.95	21.4	37.2
CV of Detects		1.39	1.76	1.42	1.23	1.82	1.39	1.44	1.24	1.48	1.27	2.00
% Detected		97.2	94.0	83.2	76.4	90.0	86.0	88.0	84.8	13.6	86.4	76.4
Sample ID	Depth Interval											
13B-0501-C1AS	0 - 0.5 ft	79.1	163	5.14	1.44 J	35.6	4.52 J	15	3.08 J	0.529 J	2.86 J	1.39 J
13B-0501-C1BS	0.5 - 1.5 ft	60.5	31.5	1.43 J	0.696 J	7.64	3.38 J	2.91 J	1.61 J	0.236 EMPC-J	1.18 J	0.779 EMPC-J
13B-0501-C1CS	1.5 - 2.5 ft	146	102	5.52	1.46 J	23.9	8.44	7.78	3.71 J	1.01 J	3.17 J	2.36 J
13B-0501-C1DS	2.5 - 3.07 ft	47.3	21.8	1.8 J	1.5 J	5.08	7.6	2.71 J	3.53 J	1.26 J	3.42 J	2.16 J
13B-0502-C2AS	0 - 0.5 ft	90	97.9 J	4.48 J	1.7 J	24.9	5.62 J	7.86	3.57 J	0.659 EMPC-J	3.25 J	1.99 J
13B-0502-C2BS	0.5 - 1.5 ft	218	179 J	7.57	4.09 J	32.5	25.4 J	11.2	13.7 J	0.328 U	5.4	9.19
13B-0502-C2CS	1.5 - 2.45 ft	844	763 J	34.4	11.2 J	138	59.1 J	46.5	32.6 J	3.59 J	18.3	20
13B-0503-C1AS	0 - 0.5 ft	30.9	20.7 J	1.08 J	0.553 J	4.39 J	1.43 J	1.23 J	1.22 J	0.213 U	0.569 J	0.395 J
13B-0503-C1BS	0.5 - 1.5 ft	6.83	0.197 U	0.26 U	0.238 UJ	0.15 U	0.249 UJ	0.158 U	0.423 J	0.184 U	0.161 U	0.229 U
13B-0503-C1CS	1.5 - 2.5 ft	6.76	0.239 U	0.335 U	0.322 UJ	0.219 U	0.323 UJ	0.216 U	0.389 EMPC-J	0.253 U	0.19 U	0.288 U
13B-0503-C1DS	2.5 - 2.5 ft	8.69	0.147 U	0.217 U	0.212 UJ	0.182 U	0.307 EMPC-J	0.172 U	0.419 EMPC-J	0.207 U	0.128 U	0.209 U
13B-0504-C4AS	0 - 0.5 ft	2280 J	4190 J	150 J	31.3 J	870 J	187 J	200 J	77.7 J	1.69 UJ	68.8 J	97.6 J
13B-0504-C4BS	0.5 - 1.5 ft	2590 J	5770 J	150 J	39.4 J	1220 J	187 J	287 J	88.7 J	2.35 UJ	77.6 J	59.5 J
13B-0504-C4CS	1.5 - 2.5 ft	776	1520	45	10.6	299	56.6	74	26.9	0.723 U	24.5	18.8
13B-0504-C4KS	9.5 - 10.25 ft	31.1	11.1	1.31 J	0.973 J	3.84	4.38	1.82 J	2.02 EMPC-J	0.307 U	2.97 J	1.25 J
13B-0505-C1AS	0 - 0.5 ft	525 J	551 J	20 J	7.47 J	107 J	25.8 J	29.6 J	17.9 J	0.377 UJ	10.5 J	7.02 J
13B-0505-C1BS	0.5 - 1.5 ft	129	109	4.86 J	2.34 J	23.6	8.38	6.95 EMPC-J	5.06	0.512 U	2.82 J	1.69 EMPC-J
13B-0505-C1CS	1.5 - 2.5 ft	792	552	39	11	115	82	36.2	40.3	0.611 U	16	20.7
13B-0505-C1FS	4.5 - 5.2 ft	3.31 EMPC-J	1.07 EMPC-J	0.45 U	0.499 U	0.382 J	0.468 U	0.257 U	0.536 U	0.318 U	0.325 U	0.381 U
13B-0506-C2AS	0 - 0.5 ft	1650	544 J	42.2	76.8	161	325	45	126 J	19.7	73.2	61.9
13B-0506-C2BS	0.5 - 1.5 ft	14.7	17.3 J	1.42 J	0.459 U	8.78	1.39 J	10.2	0.519 UJ	0.435 U	0.789 EMPC-J	0.506 U
13B-0506-C2CS	1.5 - 2.5 ft	0.788 EMPC-J	2.15 J	0.397 U	0.334 U	0.344 U	0.336 U	0.342 U	0.374 UJ	0.386 U	0.295 U	0.325 U
13B-0507-C2AS	0 - 0.5 ft	49.1	3.93 J	0.276 U	0.851 J	0.744 EMPC-J	1.37 J	0.483 J	1.85 EMPC-J	0.193 U	0.283 J	0.4 J
13B-0507-C2BS	0.5 - 1.5 ft	15.3	0.193 EMPC-J	0.216 U	0.295 EMPC-J	0.104 U	0.499 J	0.101 U	0.761 UJ	0.126 U	0.116 U	0.15 U
13B-0507-C2CS	1.5 - 2.5 ft	8.98	0.145 U	0.22 U	0.158 U	0.115 U	0.306 J	0.112 U	0.434 UJ	0.136 U	0.132 U	0.202 U
13B-0507-C2DS	2.5 - 3.5 ft	21.1	0.289 J	0.218 U	0.208 U	0.131 U	0.643 J	0.12 U	0.773 UJ	0.155 U	0.144 U	0.194 U
13B-0508-G3AS	0 - 0.5 ft	23.5	16.4 J	0.658 U	1.04 U	2.92 EMPC-J	1.05 UJ	1.37 J	1.05 U	0.711 U	0.666 EMPC-J	0.785 U
13B-0509-C1AS	0 - 0.5 ft	887	1370	51.7	21.7	253	60.1	75.2	29.8	0.701 U	23.8	29
13B-0509-C1BS	0.5 - 1.5 ft	47.1	71	3.24 J	0.844 J	17.1	3.64 J	5.32	2.21 J	0.571 U	2.76 J	1.31 EMPC-J
13B-0509-C1CS	1.5 - 2.5 ft	41.1	32.7	3.55 J	1.57 J	8.39	4.14 J	4.65 J	2.51 J	0.388 U	4.96 J	1.4 J
13B-0509-C1ES	3.17 - 4.17 ft	518	73.7	9.17	12.4	22	63.3	7.42	28.7	0.602 U	14.5	12.3
13B-0510-C3AS	0 - 0.5 ft	267	377	13.3	5.54 EMPC-J	64.1	19.2	23	10.4	0.463 U	8.13	62.9
13B-0510-C3BS	0.5 - 1.9 ft	16.4	17.9	0.778 J	0.182 U	3.81	0.841 EMPC-J	1.52 J	0.619 J	0.165 U	0.544 EMPC-J	0.924 J
13B-0511-C3AS	0 - 0.5 ft	586 J	615 J	24.4 J	9.17 J	130 J	31.5 J	34.6 J	19.1 J	0.882 UJ	13 J	11.4 J
13B-0511-C3BS	0.5 - 1.5 ft	580	501 J	21.2	9.31	111	29.3	34.1	20.3	0.936 U	11.9	7.08 EMPC-J
13B-0511-C3CS	1.5 - 2.5 ft	846	1470 J	60.4	10.4	375	53.5	84	27.8	0.584 U	22	15.9
13B-0511-C3HS	5.95 - 6.95 ft	439	442 J	21.3	8.04	83.6	27.6	32.2	13.7	0.641 U	11.3	25.1
13B-0512-G1AS	0 - 0.5 ft	418 J	405 J	16.6 J	6.89 J	97 J	23.3 J	26.1 J	15 J	0.324 UJ	8.86 J	6.28 J
13B-0513-G1AS	0 - 0.5 ft	1230 J	1260 J	52.9 J	32.9 J	303 J	76 J	86.6 J	42.9 J	16 J	37.7 J	22.1 J
13B-0514-G1AS	0 - 0.5 ft	497 J	494 J	19.8 J	7.34 J	102 J	25.9 J	28.8 J	18.2 J	0.441 UJ	10.6 J	7.08 J
13B-0515-C1AS	0 - 0.5 ft	95.4	95.7 J	4.09 J	1.38 EMPC-J	18.7	5.14 J	5.75	2.97 J	1.03 J	2.14 J	1.55 J
13B-0515-C1BS	0.5 - 1.71 ft	1.33 J	0.884 J	0.244 U	0.216 U	0.331 J	0.24 UJ	0.153 U	0.264 UJ	0.185 U	0.202 U	0.239 U
13B-0515-C2CS	1.5 - 2.19 ft	0.603 J	0.301 J	0.191 U	0.176 U	0.115 U	0.179 UJ	0.115 U	0.177 UJ	0.146 U	0.135 U	0.179 U
13B-0516-C2AS	0 - 0.5 ft	422 J	396 J	17.2 J	6.35 EMPC-J	92.8 J	23 J	27.6 J	14 J	0.61 UJ	9.24 J	5.09 J
13B-0516-C2BS	0.5 - 1.5 ft	710 J	780 J	29.3 J	9.88 J	177 J	42.3 J	53 J	23 J	1.05 UJ	17.5 J	9.31 J
13B-0516-C2CS	1.5 - 2.5 ft	1560 J	957 J	42 J	23.8 J	226 J	168 J	64 J	92.2 J	0.941 UJ	26.6 J	27.3 J

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.305	0.111	0.347	0.295	0.233	0.306	0.214	0.227	0.236	0.283	0.166
Maximum Detect		4570	7370	263	82.8	1720	332	361	150	19.7	111	414
Mean of Detects		601	693	32.4	11.6	156	45.0	45.3	23.0	3.34	16.9	18.6
St. Dev. of Detects		832	1220	46.2	14.3	283	62.6	65.1	28.5	4.95	21.4	37.2
CV of Detects		1.39	1.76	1.42	1.23	1.82	1.39	1.44	1.24	1.48	1.27	2.00
% Detected		97.2	94.0	83.2	76.4	90.0	86.0	88.0	84.8	13.6	86.4	76.4
Sample ID	Depth Interval											
13B-0516-C2LS	10.4 - 11.4 ft	887	663 J	31.4	10.9	126	55	38.8	29.7	0.983 U	13.7	28
13B-0517-G2AS	0 - 0.5 ft	26	19.4	0.637 U	0.79 U	3.72 J	1.14 EMPC-J	1.28 EMPC-J	0.825 U	0.628 U	1.01 J	0.806 U
13B-0518-G1AS	0 - 0.5 ft	114	83.7 J	4.06 J	1.8 J	17.2	6.38 J	5.82	3.64 J	0.233 U	2.23 J	1.5 J
13B-0518-G1AT	0 - 0.5 ft	108	81.6 J	3.45 J	1.87 J	17.3	5.65 J	6.19	3.86 J	0.164 U	2.64 J	1.77 J
13B-0519-C2AS	0 - 0.5 ft	466 J	358 J	13.8 J	5.9 EMPC-J	65.2 J	21.5 J	21.8 J	15 J	0.65 UJ	8.16 J	5.54 J
13B-0519-C2BS	0.5 - 1.5 ft	277	266	10.2	3.94 J	53.5	15.9	18.7	9.32	0.432 U	7.66	3.55 EMPC-J
13B-0519-C2CS	1.5 - 2.5 ft	1660 J	1130 J	51.5 J	17.5 J	224 J	92.6 J	77.8 J	43.5 J	1.2 UJ	30.3 J	53.6 J
13B-0519-C2RS	16.1 - 17.1 ft	0.752 U	0.684 U	0.728 U	0.737 U	0.456 U	0.668 U	0.44 U	0.691 U	0.535 U	0.486 U	0.743 U
13B-0520-G1AS	0 - 0.5 ft	516 J	403 J	16.3 J	10.3 J	83.5 J	22.3 J	24.2 J	14.8 J	0.493 UJ	9.15 J	5.84 J
13B-0521-C2AS	0 - 0.5 ft	38.1	20.7 J	1.21 J	0.725 J	4.22 J	2.34 J	1.81 J	1.53 J	0.298 U	0.89 J	0.681 EMPC-J
13B-0521-C2BS	0.5 - 1.5 ft	21.5	10.6 J	0.624 U	0.396 UJ	2.42 J	1.13 EMPC-J	0.951 EMPC-J	0.995 EMPC-J	0.392 U	0.49 EMPC-J	0.6 EMPC-J
13B-0521-C2CS	1.5 - 2.5 ft	79.6	48.6 J	2.43 J	1.02 EMPC-J	10.4	3.78 J	3.56 J	2.42 EMPC-J	0.492 U	1.6 J	1.35 J
13B-0521-C2HS	6.5 - 7.63 ft	2910 J	4620 J	179 J	35.6 J	1140 J	212 J	274 J	93.1 J	14.8 J	86.5 J	64.7 J
13B-0522-G1AS	0 - 0.5 ft	632 J	614 J	24.6 J	7.81 J	127 J	35.1 J	35.8 J	16.4 J	0.609 UJ	12.9 J	7.49 EMPC-J
13B-0522-G1AT	0 - 0.5 ft	620 J	635 J	25.6 J	8.88 J	143 J	31 J	36.8 J	17.6 J	0.758 UJ	13.2 J	8.45 J
13B-0523-G2AS	0 - 0.5 ft	661 J	653 J	26.3 J	9.33 J	148 J	34.7 J	38.4 J	21.3 J	2.49 J	12.5 J	7.59 EMPC-J
13B-0524-C1AS	0 - 0.5 ft	451 J	470 J	19.1 J	7.52 J	115 J	24.7 J	29.8 J	16 J	0.595 UJ	9.76 J	5.72 EMPC-J
13B-0524-C1BS	0.5 - 1.5 ft	527 J	481 J	18.6 J	7.78 J	107 J	27.3 J	33.4 J	17.7 J	0.836 UJ	13.7 J	6.71 EMPC-J
13B-0524-C1CS	1.5 - 2.5 ft	706 J	640 J	23.5 J	22.7 J	124 J	92.8 J	43.5 J	40.5 J	0.468 UJ	15.5 J	21.3 J
13B-0524-C1GS	5.39 - 6.39 ft	1430 J	716 J	31.5 J	33.1 J	125 J	128 J	50.1 J	75.2 J	0.844 UJ	19.9 J	20.1 EMPC-J
13B-0525-C1AS	0 - 0.5 ft	592 J	440 J	19.6 J	8.9 J	94.3 J	30.9 J	30.6 J	20 J	0.653 UJ	12.5 J	7.7 J
13B-0525-C1BS	0.5 - 1.5 ft	648 J	732 J	28.6 J	9.02 J	179 J	35.1 J	52.4 J	19.4 J	1.01 UJ	16.6 J	8.71 J
13B-0525-C1CS	1.5 - 2.5 ft	714 J	782 J	28.9 J	10 J	176 J	39.8 J	55.2 J	22.8 J	1.28 UJ	18.9 J	11.9 J
13B-0525-C1HS	6.42 - 7.42 ft	1280	580 J	28.7	10.1	119	95.4	38.2	41	1.27 U	17.5	14.1
13B-0526-C1AS	0 - 0.5 ft	1490 J	1610 J	69.6 J	18.9 J	378 J	94.8 J	91.9 J	46.1 J	0.518 UJ	32.3 J	32.8 J
13B-0526-C1BS	0.5 - 1.5 ft	2720 J	4040 J	164 J	67.4 J	1020 J	230 J	216 J	103 J	1.23 UJ	81.1 J	69.5 J
13B-0526-C1CS	1.5 - 2.5 ft	2820 J	2910 J	118 J	34.4 J	669 J	189 J	181 J	85.5 J	0.907 UJ	68.5 J	55.8 J
13B-0526-C1CT	1.5 - 2.5 ft	2810 J	2980 J	122 J	34.2 J	682 J	190 J	174 J	80.5 J	0.72 UJ	68.2 J	54.1 J
13B-0526-C1HS	6.5 - 7.62 ft	217	441 J	19.9 J	3.07 J	134 J	13.3 J	27.6	6.66	0.57 U	7.02	10.5
13B-0527-C2AS	0 - 0.5 ft	42.4	35.9 J	1.58 J	0.617 EMPC-J	7.9	2.1 J	2.31 J	1.41 J	0.497 J	0.919 J	0.613 EMPC-J
13B-0527-C2BS	0.5 - 1.5 ft	2.96 J	0.443 EMPC-J	0.247 U	0.284 U	0.233 J	0.288 UJ	0.214 EMPC-J	0.285 UJ	0.154 U	0.191 U	0.249 U
13B-0527-C2CS	1.5 - 2.6 ft	1.57 J	0.232 J	0.181 U	0.141 U	0.125 U	0.158 UJ	0.12 U	0.154 UJ	0.158 U	0.161 U	0.192 U
13B-0528-C3AS	0 - 0.5 ft	811 J	830 J	35 J	10.6 J	194 J	50.5 J	52.9 J	26.2 J	0.717 UJ	18.3 J	13.5 J
13B-0528-C3BS	0.5 - 1.5 ft	3370 J	5820 J	216 J	82.8 J	1310 J	236 J	283 J	109 J	1.94 UJ	95.1 J	91 J
13B-0528-C3CS	1.5 - 2.5 ft	3180 J	3280 J	107 J	29.3 J	666 J	147 J	185 J	75.4 J	1.03 UJ	50.4 J	51.9 J
13B-0528-C3LS	10.5 - 11.54 ft	55.7	35.4 J	5.59	2.16 J	10.3	6.62 J	7.93	4.51 J	1.14 U	8.09	1.86 EMPC-J
13B-0529-C2AS	0 - 0.5 ft	75.2	30.1	1.54 J	0.96 J	4.68 J	3.57 J	3.06 EMPC-J	2.64 J	0.461 U	1.44 J	0.784 EMPC-J
13B-0529-C2BS	0.5 - 1.5 ft	12	8.17	0.482 U	0.564 UJ	1.74 J	0.855 J	0.753 EMPC-J	0.566 EMPC-J	0.421 U	0.304 U	0.572 U
13B-0529-C2CS	1.5 - 2.5 ft	5.12	7.25	0.511 U	0.529 UJ	0.823 J	0.516 UJ	0.711 J	0.6 U	0.395 U	0.325 U	0.507 U
13B-0529-C2ES	3.5 - 4.2 ft	1.56 J	14	0.397 U	0.504 UJ	1.02 J	0.497 UJ	0.873 J	0.497 U	0.507 U	0.413 U	0.484 U
13B-0530-C1AS	0 - 0.5 ft	89.4	61.5	3.08 J	1.29 J	12.6	4.08 J	4.08 J	2.8 J	0.412 U	1.53 J	0.909 EMPC-J
13B-0530-C1BS	0.5 - 1.5 ft	580	520	21.3	6.86 EMPC-J	112	38.3	36.4	23.4	0.943 U	11.8	8.1
13B-0530-C1CS	1.5 - 1.8 ft	70.7	35.1	1.68 J	0.805 U	7.02	5.53	3.03 EMPC-J	2.05 EMPC-J	0.767 U	1.33 EMPC-J	1.15 J
13B-0531-C2AS	0 - 0.5 ft	46.8 J	19.4	0.63 J	0.425 J	3.14 J	2.35 J	1.49 J	1.08 J	0.14 U	0.855 J	0.449 EMPC-J
13B-0531-C2AT	0 - 0.5 ft	34.1 J	17.1	1.07 EMPC-J	0.442 EMPC-J	4.56 J	1.79 J	1.9 J	1.13 EMPC-J	0.125 U	1.04 J	0.583 EMPC-J
13B-0531-C2BS	0.5 - 1.5 ft	12.3	7.12	0.265 U	0.312 U	1.35 J	0.745 J	0.76 J	0.494 J	0.221 U	0.415 J	0.294 U

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.305	0.111	0.347	0.295	0.233	0.306	0.214	0.227	0.236	0.283	0.166
Maximum Detect		4570	7370	263	82.8	1720	332	361	150	19.7	111	414
Mean of Detects		601	693	32.4	11.6	156	45.0	45.3	23.0	3.34	16.9	18.6
St. Dev. of Detects		832	1220	46.2	14.3	283	62.6	65.1	28.5	4.95	21.4	37.2
CV of Detects		1.39	1.76	1.42	1.23	1.82	1.39	1.44	1.24	1.48	1.27	2.00
% Detected		97.2	94.0	83.2	76.4	90.0	86.0	88.0	84.8	13.6	86.4	76.4
Sample ID	Depth Interval											
13B-0531-C2CS	1.5 - 2.5 ft	1.32 J	3.37 J	0.41 J	0.193 U	0.867 J	0.211 U	0.626 EMPC-J	0.19 U	0.212 U	0.606 J	0.245 U
13B-0531-C2ES	3.5 - 4.42 ft	0.305 J	0.163 U	0.162 U	0.271 U	0.157 U	0.279 U	0.153 U	0.304 U	0.203 U	0.125 U	0.206 U
13B-0532-C1AS	0 - 0.5 ft	47	30.2 J	1.93 J	0.834 J	6.06	2.59 EMPC-J	2.78 J	1.82 J	0.593 U	0.968 EMPC-J	0.726 U
13B-0532-C1BS	0.5 - 1.5 ft	16.1	7.73 J	0.5 J	0.4 U	1.81 J	0.924 J	0.798 EMPC-J	0.498 EMPC-J	0.323 U	0.493 J	0.411 U
13B-0532-C1CS	1.5 - 2.5 ft	5.38	2.84 J	0.552 J	0.578 U	1.16 J	0.58 UJ	0.637 EMPC-J	0.643 U	0.354 U	0.683 J	0.62 U
13B-0532-C1DS	2.5 - 3.73 ft	0.439 EMPC-J	0.211 U	0.237 U	0.247 U	0.195 U	0.257 UJ	0.191 U	0.25 U	0.222 U	0.154 U	0.25 U
13B-0533-C2AS	0 - 0.5 ft	723 J	691 J	26.9 J	10.9 J	140 J	39.8 J	41 J	25.3 J	0.625 UJ	16.4 J	11.5 J
13B-0533-C2AT	0 - 0.5 ft	767 J	1030 J	46.7 J	11.8 J	231 J	42.5 J	55.5 J	27.9 J	1.18 UJ	15.9 J	10.4 J
13B-0533-C2BS	0.5 - 1.5 ft	2810 J	4780 J	177 J	38.4 J	1140 J	215 J	282 J	94.2 J	2.19 UJ	89.1 J	101 J
13B-0533-C2CS	1.5 - 2.5 ft	1960 J	2610 J	92.3 J	23.1 J	503 J	138 J	134 J	61.1 J	1.46 UJ	46.9 J	78.2 J
13B-0533-C2JS	8.5 - 9.62 ft	85.6	208	23.2	3.57 J	59.2	10.2	56.2	7.69	0.521 U	22.5	7.92
13B-0533-C2JT	8.5 - 9.62 ft	83.7	208	24.2	3.48 J	59	10.7	57.6	6.89	0.598 U	24.4	8.37
13B-0534-C2AS	0 - 0.5 ft	1460 J	2040 J	74.1 J	20.3 J	504 J	100 J	133 J	49.8 J	0.804 UJ	44.1 J	32.2 J
13B-0534-C2AT	0 - 0.5 ft	1460 J	1970 J	70.7 J	19.3 J	489 J	98.9 J	131 J	47.5 J	0.623 UJ	45.1 J	31.4 J
13B-0534-C2BS	0.5 - 1.5 ft	1060	1200 J	45.3 J	21.4 J	220 J	72 J	78	37.8 J	0.594 U	27.8	76.7
13B-0534-C2CS	1.5 - 2.5 ft	921	1910 J	52.5 J	12.6 J	136 J	69.4 J	120	29.9 J	0.422 U	27.7	14
13B-0534-C2IS	7.5 - 8.59 ft	53.9	194 J	26.9 J	2.03 J	59.8 J	4.37 J	56.8	3.16 EMPC-J	0.43 U	25.7	3.22 J
13B-0535-C2AS	0 - 0.5 ft	564 J	531 J	23.1 J	8.81 J	118 J	30.8 J	33.6 J	20.3 J	0.822 UJ	12.1 J	7 EMPC-J
13B-0535-C2BS	0.5 - 1.5 ft	9	9.13 J	0.858 J	0.171 UJ	2.34 J	0.557 J	1.48 J	0.411 J	0.132 U	0.787 J	0.166 J
13B-0535-C2CS	1.5 - 2.45 ft	0.633 EMPC-J	0.563 J	0.121 U	0.214 UJ	0.137 U	0.215 UJ	0.137 U	0.223 U	0.142 U	0.146 U	0.206 U
13B-0536-C1AS	0 - 0.5 ft	353 J	328 J	16.7 J	5.58 J	72.4 J	18.4 J	28.5 J	11.8 J	0.579 UJ	10.2 J	5.52 J
13B-0536-C1BS	0.5 - 1.5 ft	11.2	7.35	1.17 J	0.695 U	2.81 J	0.734 EMPC-J	1.2 EMPC-J	0.855 U	0.439 U	1.54 EMPC-J	0.502 U
13B-0536-C1CS	1.5 - 2.5 ft	27.1	28.4	3.92 J	0.926 EMPC-J	8.82	1.6 EMPC-J	4.63 J	1.45 EMPC-J	0.53 U	4.26 J	0.813 U
13B-0536-C1FS	4.28 - 5.28 ft	46.7	31.5	9.01	1.39 J	23.4	1.74 EMPC-J	11.3	2.13 J	0.67 U	36.2	1.29 U
13B-0537-C3AS	0 - 0.5 ft	161	103	4.07 J	1.6 EMPC-J	17.7	7.46	5.86	4.32 J	0.195 U	2.68 J	1.59 J
13B-0538-C3AS	0 - 0.5 ft	3170 J	4560 J	157 J	28.1 J	1220 J	227 J	235 J	113 J	0.881 UJ	94.2 J	71.8 J
13B-0538-C3BS	0.5 - 1.5 ft	3050 J	6660 J	234 J	57 J	1720 J	223 J	315 J	102 J	1.16 UJ	99.8 J	78.7 J
13B-0538-C3CS	1.5 - 2.5 ft	1630 J	1860 J	71.1 J	19.2 J	434 J	125 J	98.6 J	54.9 J	1.01 UJ	37.1 J	35.4 J
13B-0538-C3ES	3.5 - 4.8 ft	10.4	6.1	1.76 J	0.422 UJ	6.15	0.419 U	2.04 J	0.525 EMPC-J	0.315 U	5.86	0.39 U
13B-0539-C3AS	0 - 0.5 ft	798	949	39.8	16.4	182	59.5	52.6	30.1	0.692 U	19	29.1
13B-0539-C3AT	0 - 0.5 ft	777	767	34.3	18.6	162	50.6	55	27.1	0.77 U	18.7	29.2
13B-0539-C3BS	0.5 - 1.5 ft	1170	1550	63.8	27.1	160	80.2	152	38.1	0.921 U	34.7	18.3
13B-0539-C3CS	1.5 - 2.5 ft	284	568	121	4.6 J	92.9	18.1	142	8.87	1.26 U	46.9	6.04
13B-0539-C3HS	6.5 - 7.59 ft	5.52	0.746 EMPC-J	0.584 U	0.505 U	0.454 EMPC-J	0.505 U	0.347 U	0.521 U	0.389 U	0.52 EMPC-J	0.469 U
13B-0540-C4AS	0 - 0.5 ft	717 J	502 J	21.8 J	11 J	87.2 J	32.4 J	29.6 J	23.3 J	0.605 UJ	11.6 J	9.39 J
13B-0540-C4BS	0.5 - 1.5 ft	524 J	429 J	18.3 J	7.59 J	88.6 J	29.1 J	29.4 J	18 J	0.613 UJ	11.5 J	9.58 J
13B-0540-C4CS	1.5 - 2.5 ft	2050 J	2780 J	112 J	26.6 J	676 J	150 J	190 J	70 J	1.13 UJ	61.5 J	49.5 J
13B-0540-C4LS	10.3 - 11.25 ft	2.52 J	1.24 J	0.411 U	0.416 U	0.702 J	0.428 U	0.272 U	0.446 U	0.331 U	0.726 J	0.31 U
13B-0541-C1AS	0 - 0.5 ft	548 J	497 J	22.3 J	5.81 EMPC-J	125 J	32.1 J	31.3 J	16.9 J	0.541 UJ	9.93 EMPC-J	7.74 J
13B-0541-C1BS	0.5 - 1.5 ft	465	379 J	18.3 EMPC-J	5.17 J	104	24.8 J	26.8	11.7	0.855 U	10.3	7.69
13B-0541-C1CS	1.5 - 2.5 ft	138	128 J	6.37	1.85 J	26.3	10.1 J	8.14	4.35 J	0.207 U	4.92 J	8.57
13B-0541-C1FS	4.5 - 5.67 ft	0.743 U	0.403 U	0.504 U	0.751 UJ	0.466 U	0.756 UJ	0.476 U	0.797 U	0.549 U	0.582 U	0.889 U
13B-0542-C2AS	0 - 0.5 ft	64.2	61.3 J	7.32	2.71 J	19.6	5.46 EMPC-J	17.8	3.79 EMPC-J	0.829 U	17.4	1.78 J
13B-0542-C2BS	0.5 - 1.5 ft	22.7	5.85 J	1.32 J	0.694 UJ	4.84 J	1.86 J	2.19 J	1.11 EMPC-J	0.405 U	5.49	0.58 U
13B-0542-C2CS	1.5 - 2.5 ft	28.3	7.62 J	1.91 J	0.558 J	5.86	0.868 J	2.64 J	1.17 J	0.158 U	8.83	0.386 EMPC-J
13B-0542-C2HS	6.5 - 7.55 ft	0.772 U	0.454 U	0.469 U	0.661 UJ	0.434 U	0.716 UJ	0.428 U	0.768 U	0.482 U	0.482 U	0.722 U

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Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**1,2,3,4,6,7,8-HpCDD**	**1,2,3,4,6,7,8-HpCDF**	**1,2,3,4,7,8,9-HpCDF**	**1,2,3,4,7,8-HxCDD**	**1,2,3,4,7,8-HxCDF**	**1,2,3,6,7,8-HxCDD**	**1,2,3,6,7,8-HxCDF**	**1,2,3,7,8,9-HxCDD**	**1,2,3,7,8,9-HxCDF**	**1,2,3,7,8-PeCDF**	**1,2,3,7,8-Pentachlorodibenzo-p-dioxin**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.305**	**0.111**	**0.347**	**0.295**	**0.233**	**0.306**	**0.214**	**0.227**	**0.236**	**0.283**	**0.166**
Maximum Detect		**4570**	**7370**	**263**	**82.8**	**1720**	**332**	**361**	**150**	**19.7**	**111**	**414**
Mean of Detects		**601**	**693**	**32.4**	**11.6**	**156**	**45.0**	**45.3**	**23.0**	**3.34**	**16.9**	**18.6**
St. Dev. of Detects		**832**	**1220**	**46.2**	**14.3**	**283**	**62.6**	**65.1**	**28.5**	**4.95**	**21.4**	**37.2**
CV of Detects		**1.39**	**1.76**	**1.42**	**1.23**	**1.82**	**1.39**	**1.44**	**1.24**	**1.48**	**1.27**	**2.00**
% Detected		**97.2**	**94.0**	**83.2**	**76.4**	**90.0**	**86.0**	**88.0**	**84.8**	**13.6**	**86.4**	**76.4**
Sample ID	**Depth Interval**											
13B-0543-G1AS	0 - 0.5 ft	430 J	298 J	13.7 J	6.44 J	50.4 J	20.5 J	18.2 J	14.1 J	0.684 UJ	6.66 J	5 J
13B-0544-C2AS	0 - 0.5 ft	284 J	249 J	10.5 J	6.56 J	40.4 J	13.4 J	18.6 J	10.3 J	0.325 UJ	7.04 J	4.16 J
13B-0544-C2BS	0.5 - 1.5 ft	457	466	17.3	9.88	86.2	22.2	26.8	13.8	0.461 U	10	7.84
13B-0544-C2CS	1.5 - 2.5 ft	679	678	26.1	13.6	147	35.2	46.6	21.1	0.532 U	17.1	8.38
13B-0544-C2ES	3 - 3.97 ft	199	156	10.3 J	2.26 J	31.4	12.9	19.5	6.52	0.348 U	6.87	2.35 EMPC-J
13B-0546-G2AS	0 - 0.5 ft	43.1	16.5	0.893 EMPC-J	0.636 EMPC-J	2.18 J	2.07 J	1.33 EMPC-J	1.49 J	0.357 U	0.75 J	0.408 EMPC-J
13B-0547-C2AS	0 - 0.5 ft	2280 J	2820 J	122 J	25.6 J	610 J	132 J	150 J	63.1 J	1.62 UJ	43.7 J	37.7 J
13B-0547-C2BS	0.5 - 1.5 ft	1310 J	1280 J	57.6 J	17.9 J	227 J	88 J	83.1 J	46.6 J	1.64 UJ	28.9 J	37 J
13B-0547-C2CS	1.5 - 2.05 ft	44.3	116 J	11.5 J	1.34 J	26.2 J	4.22 J	28.7	2.39 EMPC-J	0.262 U	11.6	1.89 J
13B-0547-C2HS	6.5 - 7.15 ft	0.786 J	0.27 J	0.205 U	0.208 UJ	0.184 U	0.207 UJ	0.178 U	0.23 U	0.226 U	0.239 U	0.305 U
13B-0547-C5AAS	0 - 0.25 ft	1000 J	848 J	34.6 J	13.9 J	180 J	42.9 J	47.5 J	32.2 J	0.917 UJ	16.6 J	13.8 J
13B-0547-C5ABS	0.25 - 0.5 ft	817 J	807 J	35 J	12.8 J	171 J	45.2 J	48.8 J	29.7 J	1.1 UJ	18.6 J	14.4 J
13B-0547-C5ACS	0.5 - 0.75 ft	2250 J	2880 J	109 J	25.6 J	661 J	158 J	150 J	77.1 J	1.14 UJ	48.7 J	56.9 J
13B-0547-C5ADS	0.75 - 1 ft	4570 J	7370 J	263 J	53.2 J	1670 J	332 J	361 J	150 J	3.44 UJ	111 J	103 J
13B-0547-C5AES	1 - 1.25 ft	2730 J	3090 J	137 J	26.7 J	723 J	161 J	176 J	72.7 J	1.39 UJ	52.3 J	44 J
13B-0547-C5AFS	1.25 - 1.5 ft	1420	1550	64	18.3	295	102	86.3	55.9	1.25 U	29.4	137
13B-0547-C5AGS	1.5 - 1.75 ft	2930 J	2960 J	129 J	38.3 J	532 J	196 J	162 J	98.3 J	1.59 UJ	57.8 J	414 J
13B-0547-C5AHS	1.75 - 2 ft	1420	1460	62.8	17.3	267	96.9	85.7	45.6	1.85 U	29.9	33.4
13B-0547-C5AIS	2 - 2.25 ft	216	306	17.1	3.23 J	55.9	14.8	33	7.52	0.797 U	13.1	5.76
13B-0547-C5AJS	2.25 - 2.5 ft	93.6	49.6	5.04	3.47 J	12.8	11.1	6.94	5.35 EMPC-J	0.786 U	8.77	3.04 J
13B-0547-C5AKS	2.5 - 2.75 ft	26.6	15.8	1.74 EMPC-J	0.834 U	4.67 J	0.9 EMPC-J	2.63 J	0.845 U	0.878 U	1.82 J	0.867 U
13B-0547-C5ALS	2.75 - 3 ft	12.3	14	2.43 J	0.523 U	4.65 J	0.969 J	2.35 J	0.829 J	0.533 U	2.43 J	0.624 U
13B-0548-C1AS	0 - 0.5 ft	252	136	7.04	3.31 J	25	12.5	11.6	7.75 EMPC-J	0.85 U	6.46	3.16 J
13B-0548-C1BS	0.5 - 1.5 ft	279	153	7.88	4.46 J	24.3	13.8	11.1	8.98	0.714 U	5.08	3.22 J
13B-0548-C1BT	0.5 - 1.5 ft	302	142	6.17 EMPC-J	4.06 J	25.4	13.8	11.1	8.76	0.842 U	4.52 J	3.42 J
13B-0548-C1CS	1.5 - 2.5 ft	266 J	172 J	11.1	5.71	36.3 J	16.2	15.2	9.37	0.486 U	7.12	3.45 J
13B-0548-C1IS	7.5 - 8.79 ft	4.08 J	0.412 U	0.507 U	0.366 U	0.441 U	0.384 U	0.465 U	0.431 U	0.568 U	0.456 U	0.389 U
13B-0549-C3AS	0 - 0.5 ft	284	195	9.26	3.89 J	39.1	12.6	14.7	8.82	0.903 U	5.94	3.28 J
13B-0549-C3BS	0.5 - 1.5 ft	30	12.8	1.86 J	1.33 J	6.15	4.58	2.52 J	2.37 J	0.626 U	6.01	1.2 EMPC-J
13B-0549-C3CS	1.5 - 2.65 ft	12.8	12.4	4.19 J	0.448 U	11.6	0.49 EMPC-J	4.09 J	0.588 EMPC-J	0.541 U	12.2	0.412 U
13B-0550-C3AS	0 - 0.5 ft	349 J	208 J	9.83 J	5.32 J	37 J	16.9 J	13.7 J	11.3 J	0.372 UJ	5.08 J	3.9 J
13B-0550-C3BS	0.5 - 1.5 ft	73.2	56.4	3	1.01 J	12.2	3.8	4.74	1.99 EMPC-J	0.243 U	3.35	1.23 J
13B-0550-C3CS	1.5 - 2.5 ft	20	2.07 J	0.347 EMPC-J	0.248 U	2.19 J	0.494 J	0.87 J	0.653 J	0.165 U	3.18 J	0.202 U
13B-0550-C3FS	4.5 - 5.37 ft	6.15	0.151 U	0.177 U	0.215 U	0.12 U	0.216 U	0.119 U	0.218 U	0.156 U	0.0905 U	0.166 U
13B-0551-C2AS	0 - 0.5 ft	285	222	10.9	3.55 J	56.2	14.3	18	8.67	0.368 U	6.57	4.41
13B-0551-C2BS	0.5 - 0.88 ft	153	162	8.34	1.86 J	43.8	8.17	14.7	4.27 EMPC-J	0.542 U	4.68	2.69 J
13B-0552-C3AS	0 - 0.5 ft	627 J	481 J	19.8 J	9.23 J	89.9 J	32.6 J	29.8 J	20.6 J	0.557 UJ	10.4 J	7.3 EMPC-J
13B-0552-C3BS	0.5 - 1.5 ft	987	569 J	28.3	10.9	110	64.4	40.2	30.5	0.536 U	15.2	16.2
13B-0552-C3CS	1.5 - 2.38 ft	1120	1280 J	54.7	14.6	307	90.1	79.5	39.9	0.599 U	27.4	26.7
13B-0552-C3CT	1.5 - 2.38 ft	1270	1480 J	60.4	17.5	375	94.5	92.6	40.3	0.613 U	29.9	33.3
13B-0553-C2AS	0 - 0.5 ft	141	327	10	2.25 J	23.9	7.13	13.2	4.88 J	0.255 U	6.06	2.12 J
13B-0553-C2BS	0.5 - 1.5 ft	23.2	63.7	9.1	1.13 J	14.2	1.67 J	12.5	1.6 J	0.299 U	6.42	0.838 J
13B-0553-C2CS	1.5 - 2.5 ft	23.5	30.5	4.45 J	0.613 J	9.32	1.27 J	4.61 J	1.09 EMPC-J	0.308 U	4.6 J	0.712 J
13B-0553-C2DS	2.5 - 3.5 ft	39.5	63.2	6.64	1.03 UJ	16.7	2.37 J	7.65	2.26 J	0.79 U	8.38	1.12 U
13B-0554-C1AS	0 - 0.5 ft	169	479 J	20	2.47 EMPC-J	87.9 J	9.09	19.9	5.76	0.473 U	3.99 J	1.97 EMPC-J
13B-0554-C1BS	0.5 - 1.5 ft	532	459	18.8	8.06	102	27.5	30.5	18.9	0.317 U	10.6	6.53 EMPC-J

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Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.305	0.111	0.347	0.295	0.233	0.306	0.214	0.227	0.236	0.283	0.166
Maximum Detect		4570	7370	263	82.8	1720	332	361	150	19.7	111	414
Mean of Detects		601	693	32.4	11.6	156	45.0	45.3	23.0	3.34	16.9	18.6
St. Dev. of Detects		832	1220	46.2	14.3	283	62.6	65.1	28.5	4.95	21.4	37.2
CV of Detects		1.39	1.76	1.42	1.23	1.82	1.39	1.44	1.24	1.48	1.27	2.00
% Detected		97.2	94.0	83.2	76.4	90.0	86.0	88.0	84.8	13.6	86.4	76.4
Sample ID	Depth Interval											
13B-0554-C1CS	1.5 - 2.5 ft	537	293	13.5	5.56	57.4	42.5	20.4	21.5	0.302 U	8.19	6.73 EMPC-J
13B-0554-C1ES	3.5 - 4.7 ft	8.13	0.717 J	0.218 U	0.278 U	0.335 J	0.28 U	0.207 U	0.324 J	0.243 U	0.194 U	0.239 U
13B-0555-C1AS	0 - 0.5 ft	2990 J	3980 J	152 J	61.1 J	839 J	207 J	201 J	98.2 J	1.21 UJ	65.4 J	61.7 J
13B-0555-C1BS	0.5 - 1.22 ft	1290	1060 J	64.7	13.7	207	66.8 J	82.8	31.6	1.24 U	27.8	15.7
13B-0555-C2CS	1.5 - 2 ft	3490 J	5370 J	173 J	67.8 J	973 J	240 J	237 J	114 J	1.27 UJ	77.2 J	77.7 J
13B-0555-C2DS	2 - 3 ft	1720 J	2330 J	115 J	30.8 J	473 J	107 J	135 J	47 J	1.5 UJ	41.4 J	30.7 J
13B-0556-C2AS	0 - 0.5 ft	440 J	294 J	11.6 J	5.25 EMPC-J	55.3 J	19.8 J	21.3 J	12.1 J	0.551 UJ	8.27 J	4.74 J
13B-0556-C2BS	0.5 - 1.5 ft	451	303	12.6	5.92 J	60.4	21.7 J	24.6	13.9	0.512 U	9.66	4.82 J
13B-0556-C2CS	1.5 - 2.38 ft	305	170	9.73	2.87 EMPC-J	32.7	15 J	15.8	8.64	0.511 U	6.17	3.55 J
13B-0557-C2AS	0 - 0.5 ft	659 J	218 J	14.2 J	7.89 J	24.8 J	28 J	17.9 J	17.5 J	0.94 J	6.72 J	5.09 EMPC-J
13B-0557-C2BS	0.5 - 1.5 ft	781 J	244 J	15.3 J	9.55 J	28.7 J	33.4 J	20.3 J	21.2 J	1.89 J	7.26 J	5.78 EMPC-J
13B-0557-C2CS	1.5 - 2.5 ft	938	372 J	19.6	16.1	55	48.8	27.8	28 J	5.7	10.6	10.2
13B-0557-C2ES	3.5 - 4.5 ft	591	422 J	20.9	6.54	68.5	31.1	32.5	14.4	1.68 J	12	6.68 EMPC-J
13B-0558-C2AS	0 - 0.5 ft	323 J	160 J	8.23 J	5.25 J	24.9 J	18.9 J	12.5 J	11.6 J	0.458 UJ	4.42 J	3.29 EMPC-J
13B-0558-C2BS	0.5 - 1.5 ft	86.5	83.4 J	6.46	0.976 J	15.2	4.56 J	15.4	2.5 J	0.427 U	7.26	0.765 EMPC-J
13B-0558-C2CS	1.5 - 2.5 ft	16.8	20.4 J	4.72 J	0.725 U	7.44	0.754 EMPC-J	3.86 J	1.05 J	0.601 U	3.83 EMPC-J	0.617 U
13B-0558-C2FS	4.5 - 5.75 ft	0.787 U	0.671 U	0.674 U	0.547 U	0.353 U	0.553 UJ	0.334 U	0.55 U	0.39 U	0.373 U	0.48 U
13B-0559-C3AS	0 - 0.5 ft	232	333 J	9.31	3.29 J	37.2	10.7 J	13.9	6.89 J	0.671 J	3.9 J	2.33 J
13B-0559-C3BS	0.5 - 1.5 ft	636 J	283 J	14.7 J	8.26 J	42.9 J	28.7 J	21.8 J	18.3 J	1.71 J	8.03 J	5.46 J
13B-0559-C3CS	1.5 - 2.5 ft	880	345 J	17.5	12.1 J	51.5	53 J	25.8	29.6 J	2.01 J	10.3	8.53
13B-0559-C3GS	5.5 - 6 ft	788	390 J	19.5	12 J	56.4	35.8 J	25.5	18.2 J	1.17 EMPC-J	10.9	7.59
13B-0560-C1AS	0 - 0.5 ft	123	55.5	2.55 J	1.76 J	9.78	5.81	5.16	3.34 J	1.24 U	1.92 EMPC-J	1.33 J
13B-0560-C1BS	0.5 - 1.5 ft	366	278	12.1	5.37	57.3	17.9	22.1	11.2	0.307 U	7.47	3.7 J
13B-0560-C1CS	1.5 - 2.5 ft	765 J	218 J	14.2 J	8.87 J	23.5 J	31.7 J	18.6 J	19.5 J	0.58 UJ	7.19 J	5.82 J
13B-0560-C1GS	5.14 - 5.86 ft	2.02 U	1.28 U	1.92 U	1.91 U	1.51 U	1.83 U	1.39 U	2.07 U	1.77 U	1.57 U	2.06 U
13B-0561-C1AS	0 - 0.5 ft	1190	944	47.4	13.3	134	60.5	65.1	30.5	15.1	22.1	16.2
13B-0561-C1BS	0.5 - 1.5 ft	1190	357 J	26.8	19.8	47.3	55.4	28.9	27.5	3.89 J	11	11.7
13B-0561-C1CS	1.5 - 2.5 ft	250	138 J	9.75	2.78 J	20.4	14.2	14.3	9.26	1.31 J	4.95 J	4.7 J
13B-0561-C1GS	5.5 - 6.5 ft	0.44 U	0.249 U	0.335 U	0.255 U	0.175 U	0.26 U	0.164 U	0.294 U	0.207 U	0.197 U	0.254 U
13B-0562-G2AS	0 - 0.5 ft	202	75.2	3.25 EMPC-J	2.86 J	8.34	8.75	4.71 J	6.18	0.32 U	2.05 J	1.58 J
13B-0563-C2AS	0 - 0.5 ft	34.9	17	0.779 EMPC-J	0.687 J	2.3 J	1.63 J	1.77 J	1.1 J	0.379 U	0.809 J	0.388 U
13B-0563-C2AT	0 - 0.5 ft	52.5	14.2	0.52 EMPC-J	1.1 J	1.51 J	2.86 J	1.22 EMPC-J	2.16 J	0.332 U	0.647 J	0.81 J
13B-0563-C2BS	0.5 - 1.1 ft	16.7	6.63	0.324 U	0.316 U	1.13 J	0.911 J	0.501 J	0.372 U	0.304 U	0.262 U	0.315 U
13B-0563-C2CS	1.1 - 2.5 ft	3320 J	1280 J	74.2 J	39.1 J	226 J	142 J	95.8 J	70 J	1.42 UJ	36.2 J	39.2 J
13B-0563-C2IS	7.5 - 8.28 ft	215	150	8.59	2.77 J	12.1	12.1	12	7.33	0.416 U	5.89	3.02 J
13B-0564-G2AS	0 - 0.5 ft	801 J	729 J	28.8 J	11.5 J	149 J	41 J	42.3 J	26.3 J	0.943 UJ	14.2 J	9.88 J
13B-0565-G1AS	0 - 0.5 ft	101	82.7	3.68 J	1.64 J	19.5	5.63	7.11	3.87 J	0.228 U	2.75 J	1.56 J
13B-0566-G3AS	0 - 0.5 ft	60	51.7	1.88 J	0.848 EMPC-J	11.4	3 J	3.53 J	2.11 EMPC-J	0.444 U	1.6 J	1.21 J
13B-0567-G2AS	0 - 0.5 ft	686 J	839 J	33.7 J	10.2 J	149 J	35.1 J	40.5 J	23.9 J	0.751 UJ	14.4 J	9.64 J
13B-0568-G2AS	0 - 0.5 ft	1550 J	1100 J	50.1 J	19.3 J	209 J	90.9 J	67.4 J	48.4 J	0.596 UJ	23.2 J	42.1 J
13B-0570-G3AS	0 - 0.5 ft	458 J	362 J	16.4 J	6.64 J	70.6 J	23.5 J	23.9 J	15 J	0.784 UJ	8.42 J	4.76 EMPC-J
13B-0571-C3AS	0 - 0.5 ft	232	138 J	6.16	3.22 J	23.9	11.2 J	9.65	7.62	0.465 U	4.45 J	2.02 EMPC-J
13B-0571-C3BS	0.5 - 1.5 ft	153	95.6 J	4.47 J	1.88 EMPC-J	17	8.73 J	6.11	5.28	0.481 U	2.36 EMPC-J	2.03 J
13B-0571-C3CS	1.5 - 2.5 ft	16.9	21.9 J	0.471 U	0.612 U	1.12 EMPC-J	1.16 J	0.801 J	0.709 J	0.454 U	0.402 U	0.588 U
13B-0571-C3MS	11 - 12 ft	0.596 U	0.368 U	0.379 U	0.589 U	0.366 U	0.562 UJ	0.321 U	0.559 U	0.413 U	0.29 U	0.428 U
13B-0572-C1AS	0 - 0.5 ft	28.5	36.3 J	1.57 J	0.661 U	4.8 J	2.22 J	3.09 EMPC-J	1.33 EMPC-J	0.569 U	2.6 J	0.66 U

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Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.305	0.111	0.347	0.295	0.233	0.306	0.214	0.227	0.236	0.283	0.166
Maximum Detect		4570	7370	263	82.8	1720	332	361	150	19.7	111	414
Mean of Detects		601	693	32.4	11.6	156	45.0	45.3	23.0	3.34	16.9	18.6
St. Dev. of Detects		832	1220	46.2	14.3	283	62.6	65.1	28.5	4.95	21.4	37.2
CV of Detects		1.39	1.76	1.42	1.23	1.82	1.39	1.44	1.24	1.48	1.27	2.00
% Detected		97.2	94.0	83.2	76.4	90.0	86.0	88.0	84.8	13.6	86.4	76.4
Sample ID	Depth Interval											
13B-0572-C1BS	0.5 - 1.5 ft	88.1	22.2 J	4.8 J	3.75 J	12.4	9.49	6.02	4.89 J	3.24 J	22	2.32 J
13B-0572-C1CS	1.5 - 2.27 ft	8.63	8.61 J	2.13 J	0.585 U	6.97	0.631 U	2.82 EMPC-J	0.618 U	1.57 J	9.23	0.49 U
13B-0573-C2AS	0 - 0.5 ft	188	49 J	4.59 J	2.73 J	4.58 J	6.49	3.9 J	3.1 EMPC-J	0.825 EMPC-J	1.71 J	1.53 J
13B-0573-C2BS	0.5 - 1.5 ft	82.7	36.8 J	1.66 J	2.11 EMPC-J	4.71 J	4.46 J	2.4 J	2.78 J	0.35 U	1.06 J	0.859 J
13B-0573-C2CS	1.5 - 2.5 ft	187	103 J	5.56	1.9 J	17	8.99	7.15	4.48 J	0.4 EMPC-J	2.96 J	1.84 EMPC-J
13B-0573-C2DS	2.5 - 3.75 ft	1.57 J	0.724 EMPC-J	0.283 U	0.251 U	0.172 U	0.256 U	0.172 U	0.272 U	0.205 U	0.206 U	0.259 U
13B-0574-C2AS	0 - 0.5 ft	259	170 J	8.49	3.2 J	35.3	14.4	13.6	7.53	0.864 J	5.86	3.85 EMPC-J
13B-0574-C2BS	0.5 - 1.5 ft	346 J	295 J	13.3	4.93 J	62.4 J	20.4	20.9	10.2	0.719 U	7.54	6.73
13B-0574-C2CS	1.5 - 2.5 ft	348	341 J	17.3	7.34	82.4	33	32.6	18.1	2.9 J	10.7	7.28 EMPC-J
13B-0574-C2HS	6.4 - 7.4 ft	588	413 J	20	8.1	90	34.5	25.5	16.9	1.31 J	9.43	11.4 EMPC-J
13B-0575-C4AS	0 - 0.5 ft	1470 J	1400 J	60.1 J	19.4 J	333 J	114 J	93.9 J	47.3 J	0.77 UJ	36.7 J	30.8 J
13B-0575-C4BS	0.5 - 1.5 ft	628	964 J	34.9	14.1	202	44.5	52.7	21.2	0.594 U	15.6	12.8
13B-0575-C4CS	1.5 - 2.5 ft	3.49 J	0.222 EMPC-J	0.13 U	0.196 U	0.108 U	0.183 U	0.1 U	0.227 EMPC-J	0.122 U	0.114 U	0.225 U
13B-0575-C4FS	4.3 - 5.44 ft	0.613 EMPC-J	0.111 J	0.104 U	0.131 U	0.0794 U	0.144 U	0.0808 U	0.141 U	0.0908 U	0.0858 U	0.179 U
13B-0577-G1AS	0 - 0.5 ft	376 J	219 J	10.3 J	8.12 J	31.4 J	17.1 J	14.3 J	13.9 J	0.295 UJ	7.47 J	4.37 J
13B-0578-C5AS	0 - 0.5 ft	23.7	23.9 J	1.58 J	0.235 UJ	4.55 J	1.15 EMPC-J	2.77 J	0.918 J	0.373 J	1.14 EMPC-J	0.491 EMPC-J
13B-0578-C5BS	0.5 - 1.5 ft	312 J	147 J	14.4	1.41 EMPC-J	21.4	9.85 J	18.6	3.56 J	1.19 EMPC-J	7.03	1.26 EMPC-J
13B-0578-C5CS	1.5 - 2.5 ft	37 J	82.5 J	8.2	0.737 EMPC-J	14.5	3.06 J	17.8	1.94 J	1.44 J	7.34	1.15 J
13B-0578-C5CT	1.5 - 2.5 ft	87.2 J	81.8 J	8.11	1.98 J	15.1	14.2 J	19.5	9.3 J	1.44 J	8.31	1.56 J
13B-0578-C5GS	5.25 - 6.25 ft	2.08 EMPC-J	1.36 J	0.465 U	0.366 UJ	0.608 J	0.386 UJ	0.332 J	0.382 UJ	0.325 U	0.359 EMPC-J	0.387 U

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Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**3,4,6,7,8-HxCD**	**2,3,4,7,8-PeCDF**	**2,3,7,8-TCDD**	**2,3,7,8-TCDF**	**OCDD**	**OCDF**	**Total HpCDD**	**Total HpCDF**	**Total HxCDD**	**Total HxCDF**	**Total PeCDD**	**Total PeCDF**	**Total TCDD**	**Total TCDF**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.356**	**0.227**	**0.248**	**0.186**	**4.89**	**0.51**	**0.666**	**0.111**	**0.252**	**0.147**	**0.363**	**0.0896**	**0.182**	**0.105**
Maximum Detect		**239**	**390**	**51100**	**462**	**49600**	**14500**	**8920**	**11700**	**1890**	**12400**	**2850**	**12700**	**52100**	**25900**
Mean of Detects		**37.1**	**60.6**	**3090**	**50.4**	**6650**	**1400**	**1210**	**1150**	**299**	**843**	**148**	**1230**	**3310**	**1890**
St. Dev. of Detects		**51.4**	**84.6**	**7500**	**76.5**	**9190**	**2540**	**1650**	**1930**	**401**	**1460**	**296**	**2300**	**7980**	**4050**
CV of Detects		**1.38**	**1.40**	**2.43**	**1.52**	**1.38**	**1.82**	**1.36**	**1.68**	**1.34**	**1.73**	**2.01**	**1.87**	**2.41**	**2.14**
% Detected		**86.0**	**88.4**	**88.4**	**89.6**	**99.6**	**92.4**	**97.6**	**94.0**	**93.2**	**92.0**	**88.8**	**91.6**	**92.8**	**94.4**
Sample ID	**Depth Interval**														
13B-0501-C1AS	0 - 0.5 ft	6.08	8.03	49.1	4.14	737	125	171	221	42 J	163	13.7 EMPC-J	142 EMPC-J	74.9 EMPC-J	164 EMPC-J
13B-0501-C1BS	0.5 - 1.5 ft	2.84 J	5.84	39.5	2.96	584	76.5	116	68.8	26.3 EMPC-J	56 EMPC-J	10.1 EMPC-J	82.5 EMPC-J	56.5 EMPC-J	102 EMPC-J
13B-0501-C1CS	1.5 - 2.5 ft	8.05	15.6	189	6.71	1550	177	309	186	63.5 J	153 EMPC-J	24.2 EMPC-J	244	242 EMPC-J	332 EMPC-J
13B-0501-C1DS	2.5 - 3.07 ft	3.92 J	10.1	6.79	7.82	506	30	81.7	44	52.9 J	62.2 EMPC-J	24.1 EMPC-J	90.5 EMPC-J	30.2 EMPC-J	77.2 EMPC-J
13B-0502-C2AS	0 - 0.5 ft	5.98	10.8	103	6.4	973	134	196	153 J	50.6 J	127 EMPC-J	21.9	174	136 EMPC-J	222 EMPC-J
13B-0502-C2BS	0.5 - 1.5 ft	13	25.3	332	11.7	2020	292	432	336 J	120 J	267 EMPC-J	61.8	720	437	906
13B-0502-C2CS	1.5 - 2.45 ft	43.3	73.8	1810	51.3	8360	1530	1700	1250 J	359 J	938 EMPC-J	148 EMPC-J	1520	2140	2600 EMPC-J
13B-0503-C1AS	0 - 0.5 ft	1.13 J	1.79 J	16	1.28	361	34.7	66.3	36.3 J	13.1 EMPC-J	23.7 EMPC-J	3.56 EMPC-J	26.7 EMPC-J	21.9 EMPC-J	33.7 EMPC-J
13B-0503-C1BS	0.5 - 1.5 ft	0.161 U	0.146 U	0.265 U	0.183 U	172	0.744 U	21.2	0.226 U	5.75 J	0.163 U	1.43 EMPC-J	0.153 U	0.265 U	0.218 EMPC-J
13B-0503-C1CS	1.5 - 2.5 ft	0.22 U	0.184 U	0.377 U	0.275 U	138	0.628 U	18.2	0.284 U	5.12 EMPC-J	0.226 U	1.09 EMPC-J	0.187 U	0.377 U	0.275 U
13B-0503-C1DS	2.5 - 2.5 ft	0.17 U	0.121 U	0.271 U	0.164 U	195	0.784 U	24.9	0.179 U	7.92 EMPC-J	0.182 U	2.01 EMPC-J	0.124 U	0.303	0.208 EMPC-J
13B-0504-C4AS	0 - 0.5 ft	180 J	345 J	28200 J	262 J	23000 J	12500 J	4740 J	6950 J	1580 J	6310 J	2340 J	6600 J	33400 J	12900 J
13B-0504-C4BS	0.5 - 1.5 ft	229 J	317 J	22500 J	170 J	26900 J	10800 J	5340 J	9870 J	1560 J	12400 J	641 J	10800 J	26000 J	9730 J
13B-0504-C4CS	1.5 - 2.5 ft	79.5	129	3710 J	28.8	9050	2670	1590	2560	449	2290	220 EMPC-J	2320	5340 J	1580
13B-0504-C4KS	9.5 - 10.25 ft	1.85 J	3.77	1.59 EMPC-J	6.85	680	23.4	56.9	20.2	35.3 EMPC-J	22.4 EMPC-J	16.8 EMPC-J	28.6 EMPC-J	9.44 EMPC-J	45.1 EMPC-J
13B-0505-C1AS	0 - 0.5 ft	23.5 J	36.4 J	333 J	21.4 J	5790 J	934 J	1140 J	832 J	240 J	506 EMPC-J	80.6 EMPC-J	506 EMPC-J	470 EMPC-J	661 EMPC-J
13B-0505-C1BS	0.5 - 1.5 ft	6.08	11.4	87	6.19	1440	181	278	176	68.8	128 EMPC-J	19.6 EMPC-J	143 EMPC-J	121 EMPC-J	186 EMPC-J
13B-0505-C1CS	1.5 - 2.5 ft	34.5	58.4	1070	30.9	7060	1160	1580	985	443	722	134 EMPC-J	1470	1300 EMPC-J	2190 EMPC-J
13B-0505-C1FS	4.5 - 5.2 ft	0.274 U	0.334 U	0.557 EMPC-J	0.795 J	75.1	2.2 J	6.43 EMPC-J	1.78 EMPC-J	2.02 EMPC-J	1.44 EMPC-J	0.523	0.395 EMPC-J	0.557 EMPC-J	2.41 EMPC-J
13B-0506-C2AS	0 - 0.5 ft	64.7	219	118	80.7	9700	1050	2330	1120 J	1260 J	1330	357	1060	219 EMPC-J	745
13B-0506-C2BS	0.5 - 1.5 ft	1.73 J	4.09 J	4.35	1.76	217	17.6	29.5	30.9 J	9.68 J	45.1 EMPC-J	4.26 EMPC-J	40.7 EMPC-J	7.14 EMPC-J	27.6 EMPC-J
13B-0506-C2CS	1.5 - 2.5 ft	0.334 U	0.272 U	0.43 U	0.265 U	16	1.45 EMPC-J	2.06 EMPC-J	2.65 EMPC-J	0.347 UJ	0.689	0.325 U	0.283 U	0.43 U	0.265 U
13B-0507-C2AS	0 - 0.5 ft	0.485 J	0.68 J	3.06	0.409 J	1430	5.31 J	144	6.25	35.5 EMPC-J	6.43 EMPC-J	7.96 EMPC-J	9.58 EMPC-J	9.63 EMPC-J	10.6 EMPC-J
13B-0507-C2BS	0.5 - 1.5 ft	0.0978 U	0.105 U	0.248 J	0.115 U	421	0.377 U	46	0.193 EMPC-J	12.8 EMPC-J	0.106 U	2.53	0.111 U	1.56 EMPC-J	0.605 EMPC-J
13B-0507-C2CS	1.5 - 2.5 ft	0.116 U	0.125 U	0.19 U	0.126 U	206	0.331 U	27.1	0.179 U	8.69 EMPC-J	0.119 U	1.86 EMPC-J	0.128 U	0.539 U	0.519 EMPC-J
13B-0507-C2DS	2.5 - 3.5 ft	0.131 U	0.133 U	0.178 U	0.13 U	469	0.613 U	60.1	0.289	20 J	0.147 EMPC-J	4.47	0.233	3.08 EMPC-J	1.37 EMPC-J
13B-0508-G3AS	0 - 0.5 ft	1.4 EMPC-J	2.9 EMPC-J	16.4	1.38 EMPC-J	209	26.7	46.7	28.3 J	6.65 EMPC-J	24.6 EMPC-J	1.28	35.3 EMPC-J	21.2 EMPC-J	32.1 EMPC-J
13B-0509-C1AS	0 - 0.5 ft	57	98.3	16200 J	98.9	10100	2370	1840	2020	464	1450	237	2330	17000 J	4040
13B-0509-C1BS	0.5 - 1.5 ft	4.66 J	7.45	843	10.1	880	139	96.9	107	27.5 EMPC-J	73.9	12.2 EMPC-J	119	872	216 EMPC-J
13B-0509-C1CS	1.5 - 2.5 ft	4.32 J	8.51	2.49	10.3	1820	141	80.6	62.9	42.5	50.6 EMPC-J	20.1 EMPC-J	63.2 EMPC-J	19.3 EMPC-J	119 EMPC-J
13B-0509-C1ES	3.17 - 4.17 ft	8.49	23.2	5.5	37	3430	217	775	155	481	155	164 EMPC-J	133 EMPC-J	52.9 EMPC-J	187 EMPC-J
13B-0510-C3AS	0 - 0.5 ft	12.9	36.5	2730 J	35.1	3020	681	595	649	151 EMPC-J	603	423 EMPC-J	612	3930 J	1040
13B-0510-C3BS	0.5 - 1.9 ft	1.22 J	2.26 J	56	2.11	310	29.1	39	32.9	8.48 EMPC-J	25.9 EMPC-J	7.11 EMPC-J	37.4 EMPC-J	74.5 EMPC-J	54 EMPC-J
13B-0511-C3AS	0 - 0.5 ft	26.7 J	38.2 J	512 J	23.1 J	6860 J	1090 J	1310 J	948 J	285 J	592 J	111 EMPC-J	571 J	768 EMPC-J	854 EMPC-J
13B-0511-C3BS	0.5 - 1.5 ft	24	33.7	312	21.9	6290	904	1290	794 J	262	537 EMPC-J	75.3 EMPC-J	481	448 EMPC-J	656 EMPC-J
13B-0511-C3CS	1.5 - 2.5 ft	53	85	1600	81.6	9950	3140	1730	2110 J	404	1310	156 EMPC-J	1730	2040	3290 EMPC-J
13B-0511-C3HS	5.95 - 6.95 ft	31.2	52.5	1560	56.4	4800	966	865	870 J	235 EMPC-J	652	204 EMPC-J	1050	2240	1750
13B-0512-G1AS	0 - 0.5 ft	19.1 J	26.3 J	264 J	14.5 J	4940 J	729 J	900 J	616 J	201 J	412 J	69.9 J	365 J	381 EMPC-J	497 EMPC-J
13B-0513-G1AS	0 - 0.5 ft	64.6 J	94.3 J	3630 J	59.8 J	14200 J	2140 J	2660 J	1950 J	688 J	1630 J	215 EMPC-J	2570 J	4180 EMPC-J	4140 EMPC-J
13B-0514-G1AS	0 - 0.5 ft	22.8 J	34 J	410 J	28.2 J	5680 J	884 J	1080 J	789 J	225 J	494 J	75.1 J	523 J	559 EMPC-J	741 EMPC-J
13B-0515-C1AS	0 - 0.5 ft	4.59 J	6.89	75.2	4.46	991	192	201	159 J	43.6 EMPC-J	99.2	15.6 EMPC-J	138	108 EMPC-J	154 EMPC-J
13B-0515-C1BS	0.5 - 1.71 ft	0.163 U	0.19 U	0.859 J	0.159 U	17.6	1.85 J	2.69 EMPC-J	1.57 EMPC-J	0.264 UJ	0.816 EMPC-J	0.239 U	0.516	1.15 EMPC-J	1.33 EMPC-J
13B-0515-C2CS	1.5 - 2.19 ft	0.114 U	0.127 U	0.451 J	0.16 U	6.92 J	1 EMPC-J	1.42	0.553 EMPC-J	0.177 UJ	0.189 EMPC-J	0.179 U	0.523	0.451	0.669 EMPC-J
13B-0516-C2AS	0 - 0.5 ft	19.9 J	28 J	279 J	16.5 J	4560 J	657 J	924 J	631 J	189 EMPC-J	426 EMPC-J	58.4 EMPC-J	389 EMPC-J	381 EMPC-J	544 EMPC-J
13B-0516-C2BS	0.5 - 1.5 ft	34.8 J	54.5 J	741 J	30.5 J	7620 J	1280 J	1470 J	1140 J	329 J	775 J	109 EMPC-J	714 EMPC-J	895 EMPC-J	883 EMPC-J
13B-0516-C2CS	1.5 - 2.5 ft	51.4 J	239 J	947 J	135 J	14300 J	1860 J	3290 J	1530 J	1200 J	1120 J	389 J	1510 J	1320 J	1980 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**3,4,6,7,8-HxCD**	**2,3,4,7,8-PeCDF**	**2,3,7,8-TCDD**	**2,3,7,8-TCDF**	**OCDD**	**OCDF**	**Total HpCDD**	**Total HpCDF**	**Total HxCDD**	**Total HxCDF**	**Total PeCDD**	**Total PeCDF**	**Total TCDD**	**Total TCDF**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.356**	**0.227**	**0.248**	**0.186**	**4.89**	**0.51**	**0.666**	**0.111**	**0.252**	**0.147**	**0.363**	**0.0896**	**0.182**	**0.105**
Maximum Detect		**239**	**390**	**51100**	**462**	**49600**	**14500**	**8920**	**11700**	**1890**	**12400**	**2850**	**12700**	**52100**	**25900**
Mean of Detects		**37.1**	**60.6**	**3090**	**50.4**	**6650**	**1400**	**1210**	**1150**	**299**	**843**	**148**	**1230**	**3310**	**1890**
St. Dev. of Detects		**51.4**	**84.6**	**7500**	**76.5**	**9190**	**2540**	**1650**	**1930**	**401**	**1460**	**296**	**2300**	**7980**	**4050**
CV of Detects		**1.38**	**1.40**	**2.43**	**1.52**	**1.38**	**1.82**	**1.36**	**1.68**	**1.34**	**1.73**	**2.01**	**1.87**	**2.41**	**2.14**
% Detected		**86.0**	**88.4**	**88.4**	**89.6**	**99.6**	**92.4**	**97.6**	**94.0**	**93.2**	**92.0**	**88.8**	**91.6**	**92.8**	**94.4**
Sample ID	**Depth Interval**														
13B-0516-C2LS	10.4 - 11.4 ft	44.4	67.9	1530	127	9620	1570	1750	1350 J	393	1580	242	2300 EMPC-J	2200 EMPC-J	2270 EMPC-J
13B-0517-G2AS	0 - 0.5 ft	1.25 EMPC-J	2.13 J	24.3	2.2	252	28.7	57.4	33.2	11.5 EMPC-J	25.6 EMPC-J	3.72 EMPC-J	34.2 EMPC-J	34.7 EMPC-J	36.5 EMPC-J
13B-0518-G1AS	0 - 0.5 ft	5.09	6.9	61.7	5.37	1120	162	235	152 EMPC-J	53.9 EMPC-J	108 EMPC-J	15.9 EMPC-J	97 EMPC-J	89.2 EMPC-J	141 EMPC-J
13B-0518-G1AT	0 - 0.5 ft	5.02	7.91	70.9	5.16	1130	132	244	138 J	50 J	103	16.8 EMPC-J	104	99 EMPC-J	145 EMPC-J
13B-0519-C2AS	0 - 0.5 ft	16.6 J	21.6 J	237 J	14.9 J	4990 J	667 J	975 J	614 J	183 EMPC-J	361 EMPC-J	56 EMPC-J	342 J	331 J	493 EMPC-J
13B-0519-C2BS	0.5 - 1.5 ft	14.1	22.3	176	12.1	2830	436	559	405	126	278 EMPC-J	45.9 EMPC-J	300	235 EMPC-J	340
13B-0519-C2CS	1.5 - 2.5 ft	69.7 J	119 J	4390 J	92.2 J	18500 J	2300 J	3430 J	2110 J	693 J	1340 EMPC-J	398 J	2540 J	5190 EMPC-J	4590 EMPC-J
13B-0519-C2RS	16.1 - 17.1 ft	0.484 U	0.481 U	0.825 J	0.431 U	4.89 J	1.08 U	0.752 U	0.705 U	0.696 U	0.476 U	0.743 U	0.483 U	0.825	0.431 U
13B-0520-G1AS	0 - 0.5 ft	19.1 J	27.3 J	291 J	16.6 J	5630 J	770 J	1110 J	660 J	229 J	409 EMPC-J	61.2 J	369 EMPC-J	410 EMPC-J	515 EMPC-J
13B-0521-C2AS	0 - 0.5 ft	2 J	3.12 J	18.5	2.57	384	30.1	78.6	42.1 J	18.8 J	36.4 EMPC-J	6.48 EMPC-J	43.9 EMPC-J	30.5 EMPC-J	49.4 EMPC-J
13B-0521-C2BS	0.5 - 1.5 ft	1.41 J	2.2 J	9.02	1.27 EMPC-J	241	18.6	43.5	21.3 J	9.94 EMPC-J	21.4 EMPC-J	2.93 EMPC-J	25.9 EMPC-J	14.9 EMPC-J	28.3 EMPC-J
13B-0521-C2CS	1.5 - 2.5 ft	3.58 J	5.44	36.7	3.53	817	92	172	86.4 EMPC-J	34.9 EMPC-J	65 EMPC-J	11.3 EMPC-J	76.3 EMPC-J	55.4	97.4 EMPC-J
13B-0521-C2HS	6.5 - 7.63 ft	189 J	314 J	24700 J	249 J	29400 J	8200 J	5630 J	6840 J	1300 J	4450 J	557 J	9790 EMPC-J	26600 J	18700 J
13B-0522-G1AS	0 - 0.5 ft	27.4 J	36.7 J	434 J	20.9 J	7170 J	1080 J	1360 J	956 J	288 J	593 J	82.5 EMPC-J	538 EMPC-J	594 EMPC-J	739 EMPC-J
13B-0522-G1AT	0 - 0.5 ft	26.2 J	35.6 J	397 J	22.5 J	7070 J	1110 J	1370 J	984 J	283 J	608 EMPC-J	83.8 EMPC-J	522 J	559 EMPC-J	752 EMPC-J
13B-0523-G2AS	0 - 0.5 ft	26.8 J	39.1 J	435 J	27.9 J	7320 J	1300 J	1470 J	1000 J	322 J	622 J	92 EMPC-J	615 EMPC-J	609 EMPC-J	791 EMPC-J
13B-0524-C1AS	0 - 0.5 ft	20 J	31.8 J	234 J	14.2 J	5050 J	918 J	1020 J	717 J	209 J	464 J	64.1 EMPC-J	397 EMPC-J	352 EMPC-J	469 EMPC-J
13B-0524-C1BS	0.5 - 1.5 ft	23.5 J	36.2 J	275 J	20.9 J	5540 J	831 J	1140 J	763 J	228 J	500 J	72.5 EMPC-J	491 EMPC-J	393 EMPC-J	605 EMPC-J
13B-0524-C1CS	1.5 - 2.5 ft	31 J	43.5 J	380 J	26.9 J	8170 J	1080 J	1460 J	957 J	408 J	659 J	159 J	603 J	528 EMPC-J	741 EMPC-J
13B-0524-C1GS	5.39 - 6.39 ft	41.4 J	182 J	645 J	103 J	12300 J	1430 J	2960 J	1150 J	1100 J	928 J	288 EMPC-J	1170 J	939 J	1430 EMPC-J
13B-0525-C1AS	0 - 0.5 ft	24.1 J	33.1 J	366 J	20.7 J	6410 J	814 J	1340 J	750 J	265 J	500 EMPC-J	80.6 EMPC-J	499 J	513 EMPC-J	664 EMPC-J
13B-0525-C1BS	0.5 - 1.5 ft	30.2 J	45.3 J	416 J	22.5 J	7250 J	1280 J	1420 J	1090 J	277 J	718 EMPC-J	92.2 EMPC-J	612 J	554 EMPC-J	734 EMPC-J
13B-0525-C1CS	1.5 - 2.5 ft	35.8 J	53.9 J	619 J	25.7 J	7730 J	1280 J	1460 J	1180 J	305 J	772 J	116 EMPC-J	718 J	786 J	850 EMPC-J
13B-0525-C1HS	6.42 - 7.42 ft	37.8	143	709	91.3	11800	1140	2590	1070 J	732 EMPC-J	760 EMPC-J	164 EMPC-J	1040	919 EMPC-J	1450 EMPC-J
13B-0526-C1AS	0 - 0.5 ft	72.8 J	117 J	7590 J	70.1 J	19400 J	3390 J	3110 J	2630 J	561 J	1580 J	215 J	3750 J	8210 EMPC-J	7160 EMPC-J
13B-0526-C1BS	0.5 - 1.5 ft	183 J	308 J	32900 J	184 J	30000 J	8100 J	5380 J	6060 J	1370 J	4520 EMPC-J	519 J	10700 J	35000 J	20900 J
13B-0526-C1CS	1.5 - 2.5 ft	143 J	240 J	15800 J	154 J	30800 J	5280 J	5560 J	4880 J	1110 J	3030 EMPC-J	426 EMPC-J	8470 J	17200 J	13100 J
13B-0526-C1CT	1.5 - 2.5 ft	138 J	234 J	17800 J	180 J	32200 J	5430 J	5380 J	4870 J	1120 J	3000 J	428 EMPC-J	7900 EMPC-J	19200 J	12600 EMPC-J
13B-0526-C1HS	6.5 - 7.62 ft	17.7	34	1160	32	2400	1170	427	646 J	106 EMPC-J	454 J	72.4 EMPC-J	579	1350	766
13B-0527-C2AS	0 - 0.5 ft	1.75 J	2.35 J	29.8	1.72	497	56.4	93.6	57.6 J	18.3 EMPC-J	37.7 EMPC-J	5.68 EMPC-J	39.9 EMPC-J	39.4 EMPC-J	47.9 EMPC-J
13B-0527-C2BS	0.5 - 1.5 ft	0.125 U	0.181 U	0.453 EMPC-J	0.199 U	59.2	0.993 EMPC-J	7.36	0.705 EMPC-J	1.46 EMPC-J	0.701 EMPC-J	0.363 EMPC-J	0.186 U	0.453 EMPC-J	0.199 U
13B-0527-C2CS	1.5 - 2.6 ft	0.129 U	0.148 U	0.235 U	0.135 U	36.2	0.668 U	4.35	0.232 J	1.06 EMPC-J	0.132 U	0.192 U	0.154 U	0.235 U	0.135 U
13B-0528-C3AS	0 - 0.5 ft	39.2 J	54.2 J	2580 J	43.5 J	8890 J	1520 J	1750 J	1330 J	374 J	883 EMPC-J	125 EMPC-J	1200 J	2870 EMPC-J	2120 EMPC-J
13B-0528-C3BS	0.5 - 1.5 ft	226 J	345 J	32300 J	381 J	42000 J	11700 J	6930 J	8560 J	1650 J	5480 EMPC-J	757 J	11600 J	35000 EMPC-J	25900 J
13B-0528-C3CS	1.5 - 2.5 ft	173 J	221 J	17900 J	126 J	35900 J	10400 J	6180 J	6180 J	1270 J	5670 J	462 J	4160 J	20400 J	5050 J
13B-0528-C3LS	10.5 - 11.54 ft	4.67 J	7.79	4.79 EMPC-J	17.8	1760	77.5	107	61.9 J	66.1 J	71.6	22 EMPC-J	68.2	14.5 EMPC-J	118 EMPC-J
13B-0529-C2AS	0 - 0.5 ft	4.57 J	6.46	25.4	4.3	743	49.4	179	69.6 EMPC-J	33 J	64.7 EMPC-J	8 EMPC-J	66.8	40.5 EMPC-J	77.7 EMPC-J
13B-0529-C2BS	0.5 - 1.5 ft	0.565 EMPC-J	1.44 J	10.8	0.941 J	132	11.5	25.5	13.9	6.79 EMPC-J	12.3 EMPC-J	0.987	15.9 EMPC-J	14.8 EMPC-J	24 EMPC-J
13B-0529-C2CS	1.5 - 2.5 ft	0.649 EMPC-J	0.854 EMPC-J	1.43	0.498 J	54.4	8.06 J	10.9	12.8	1.96 EMPC-J	10.4 EMPC-J	0.507 U	9.27 EMPC-J	2.48	6.79 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	1.06 J	0.38 U	0.46 U	0.292 U	18.9	4.37 J	3.55	16.6	0.497 UJ	9.26 EMPC-J	0.484 U	0.396 U	0.46 U	0.292 U
13B-0530-C1AS	0 - 0.5 ft	3.43 J	4.58 J	39.6	2.77 EMPC-J	900	116	184	110	33.4 EMPC-J	72.7	8.74 EMPC-J	69.9 EMPC-J	55.8 EMPC-J	81.8 EMPC-J
13B-0530-C1BS	0.5 - 1.5 ft	24.2	49.5	399	29.8	6010	1010	1180	787	285 EMPC-J	537 EMPC-J	90 EMPC-J	557	532 EMPC-J	674 EMPC-J
13B-0530-C1CS	1.5 - 1.8 ft	3.44 J	8.96	48.6	6.21	671	60.8	146	71.4	37.1 EMPC-J	65.9 EMPC-J	11.4 EMPC-J	84.3 EMPC-J	68.3 EMPC-J	116 EMPC-J
13B-0531-C2AS	0 - 0.5 ft	1.54 EMPC-J	3.75 J	23.7	2.64	592 J	33.8	105 J	44.2	18.5	31.5 EMPC-J	5.8 EMPC-J	40.4	34.6 EMPC-J	65.7 EMPC-J
13B-0531-C2AT	0 - 0.5 ft	2.22 J	4.34 J	23	3.68	352 J	31.4	81.7 J	35.5 EMPC-J	15.5 EMPC-J	34	5.74 EMPC-J	47.1 EMPC-J	37.5 EMPC-J	73.7 EMPC-J
13B-0531-C2BS	0.5 - 1.5 ft	0.803 J	1.59 J	12.4	0.957 J	126	11.5	25.5	13.4	5.65	12.2 EMPC-J	1.11 EMPC-J	18.5 EMPC-J	16.9 EMPC-J	27.7 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**3,4,6,7,8-HxCD**	**2,3,4,7,8-PeCDF**	**2,3,7,8-TCDD**	**2,3,7,8-TCDF**	**OCDD**	**OCDF**	**Total HpCDD**	**Total HpCDF**	**Total HxCDD**	**Total HxCDF**	**Total PeCDD**	**Total PeCDF**	**Total TCDD**	**Total TCDF**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.356**	**0.227**	**0.248**	**0.186**	**4.89**	**0.51**	**0.666**	**0.111**	**0.252**	**0.147**	**0.363**	**0.0896**	**0.182**	**0.105**
Maximum Detect		**239**	**390**	**51100**	**462**	**49600**	**14500**	**8920**	**11700**	**1890**	**12400**	**2850**	**12700**	**52100**	**25900**
Mean of Detects		**37.1**	**60.6**	**3090**	**50.4**	**6650**	**1400**	**1210**	**1150**	**299**	**843**	**148**	**1230**	**3310**	**1890**
St. Dev. of Detects		**51.4**	**84.6**	**7500**	**76.5**	**9190**	**2540**	**1650**	**1930**	**401**	**1460**	**296**	**2300**	**7980**	**4050**
CV of Detects		**1.38**	**1.40**	**2.43**	**1.52**	**1.38**	**1.82**	**1.36**	**1.68**	**1.34**	**1.73**	**2.01**	**1.87**	**2.41**	**2.14**
% Detected		**86.0**	**88.4**	**88.4**	**89.6**	**99.6**	**92.4**	**97.6**	**94.0**	**93.2**	**92.0**	**88.8**	**91.6**	**92.8**	**94.4**
Sample ID	**Depth Interval**														
13B-0531-C2CS	1.5 - 2.5 ft	0.356 J	0.844 J	0.23 U	1.56	32.2	2.18 J	2.96	6.37	0.197 U	5.55 EMPC-J	0.245 U	6.56 EMPC-J	0.641	7.99 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	0.179 U	0.115 U	0.199 U	0.152 U	8.93 J	0.286 U	0.666	0.162 U	0.284 U	0.171 U	0.206 U	0.12 U	0.199 U	0.152 U
13B-0532-C1AS	0 - 0.5 ft	2.82 J	5.22	28.2	2.56 EMPC-J	454	48.4	97.4	54.5 J	28.3 EMPC-J	49.6 EMPC-J	5.52 EMPC-J	55.9 EMPC-J	39.9 EMPC-J	66.3 EMPC-J
13B-0532-C1BS	0.5 - 1.5 ft	0.949 J	1.43 EMPC-J	8.6	1.39	328	13.4	33.4	13.8 J	7.62 EMPC-J	14.4 EMPC-J	1.47 EMPC-J	17 EMPC-J	12.7 EMPC-J	25.8 EMPC-J
13B-0532-C1CS	1.5 - 2.5 ft	0.39 U	0.817 EMPC-J	0.465 J	1.42 EMPC-J	335	9.23 J	12	4.97 J	2.57 EMPC-J	3.88 EMPC-J	0.653	4.17 EMPC-J	0.465	7.33 EMPC-J
13B-0532-C1DS	2.5 - 3.73 ft	0.206 U	0.131 U	0.271 U	0.349 J	18.4	0.496 U	0.956 EMPC-J	0.223 U	0.251 UJ	0.203 U	0.25 U	0.142 U	0.271 U	0.349
13B-0533-C2AS	0 - 0.5 ft	31.7 J	47.3 J	2070 J	41.9 J	7920 J	1220 J	1560 J	1090 J	327 J	674 J	103 J	865 J	2280 J	1320 EMPC-J
13B-0533-C2AT	0 - 0.5 ft	37.7 J	49.8 J	1480 J	37.1 J	8190 J	1700 J	1600 J	1530 J	348 J	860 EMPC-J	104 J	852 EMPC-J	1690 EMPC-J	1330 EMPC-J
13B-0533-C2BS	0.5 - 1.5 ft	197 J	335 J	30500 J	246 J	31000 J	8700 J	5470 J	7210 J	1320 J	4690 J	764 J	9570 J	32800 J	20300 EMPC-J
13B-0533-C2CS	1.5 - 2.5 ft	140 J	224 J	18900 J	392 J	23300 J	5930 J	3970 J	4950 J	1070 J	4280 J	854 J	4360 J	21300 J	8290 J
13B-0533-C2JS	8.5 - 9.62 ft	36.9	51.9	50.3 J	19.5	3890	158	187	325	136 J	476	116	447 EMPC-J	141 EMPC-J	361 EMPC-J
13B-0533-C2JT	8.5 - 9.62 ft	38.1	53.8	24.1 J	25.5	4080	149	178	323	132 J	492	117	465	90.3 EMPC-J	397 EMPC-J
13B-0534-C2AS	0 - 0.5 ft	75.9 J	132 J	17300 J	92.7 J	17900 J	3880 J	3030 J	3090 J	755 J	1990 J	292 J	3380 J	18200 J	6870 J
13B-0534-C2AT	0 - 0.5 ft	76.6 J	139 J	6680 J	76 J	18000 J	3830 J	3100 J	2980 J	748 J	1950 J	290 J	3500 J	7420 J	6820 J
13B-0534-C2BS	0.5 - 1.5 ft	81.9	146	7840 J	123	11300	2440	2230	2230 J	590 J	2020 J	618	2630	9900	3890
13B-0534-C2CS	1.5 - 2.5 ft	177	284	5.44	39.8	11000	1340	1810	3660 J	525 J	2780 J	196	2650	105 EMPC-J	1440
13B-0534-C2IS	7.5 - 8.59 ft	25.6	31.6	1.67	24.6	2610	126	113	298 J	57.8 EMPC-J	414 J	43.9 EMPC-J	328	30 EMPC-J	274
13B-0535-C2AS	0 - 0.5 ft	26.8 J	38.9 J	882 J	30.9 J	6540 J	933 J	1240 J	852 J	280 J	566 EMPC-J	78.6 EMPC-J	550 EMPC-J	1030 J	864 EMPC-J
13B-0535-C2BS	0.5 - 1.5 ft	1.12 J	1.64 J	8.15	1.55	151	15.9	18.1	16.3 J	4.96 EMPC-J	16.7 EMPC-J	2.47 EMPC-J	19.4	11.6 EMPC-J	27.9 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	0.135 U	0.136 U	0.39 J	0.163 U	20	1.47 J	1.8 EMPC-J	0.92 EMPC-J	0.252 EMPC-J	0.426 EMPC-J	0.206 U	0.132 EMPC-J	0.708	0.171
13B-0536-C1AS	0 - 0.5 ft	20.2 J	29 J	390 J	15.9 J	4180 J	526 J	754 J	531 J	165 J	388 EMPC-J	61.6 EMPC-J	368 EMPC-J	487 EMPC-J	500 EMPC-J
13B-0536-C1BS	0.5 - 1.5 ft	1.32 J	2.59 J	0.637 EMPC-J	4.36 EMPC-J	526	18.9	22.2	12.7 EMPC-J	7.15 EMPC-J	12.8 EMPC-J	2.71	16.1 EMPC-J	2.39 EMPC-J	23.4 EMPC-J
13B-0536-C1CS	1.5 - 2.5 ft	3.96 J	7.06	0.665 U	8.17 EMPC-J	1380	144	56.2	59.8	20.3 EMPC-J	39.3 EMPC-J	8.4 EMPC-J	45.5 EMPC-J	6.28	73.6 EMPC-J
13B-0536-C1FS	4.28 - 5.28 ft	6.43	24.1	0.77 U	145	2970	58.3	111	53.1	27.1 EMPC-J	85.4 EMPC-J	6.95 EMPC-J	148 EMPC-J	5.89 EMPC-J	418 EMPC-J
13B-0537-C3AS	0 - 0.5 ft	5.21	7.69	75.2	4.88	1640	185	386	184	68 EMPC-J	110 EMPC-J	16.8 EMPC-J	108	103	152 EMPC-J
13B-0538-C3AS	0 - 0.5 ft	149 J	276 J	14500 J	235 J	38400 J	8750 J	6370 J	6660 J	1550 J	4070 J	592 J	8750 J	16200 J	17300 EMPC-J
13B-0538-C3BS	0.5 - 1.5 ft	191 J	298 J	13700 J	174 J	35900 J	14500 J	6400 J	9130 J	1710 J	5520 J	755 J	7890 J	15800 J	14900 J
13B-0538-C3CS	1.5 - 2.5 ft	78.5 J	131 J	10600 J	100 J	20300 J	3960 J	3230 J	3040 J	845 J	1790 J	307 EMPC-J	3690 EMPC-J	11300 J	7290 EMPC-J
13B-0538-C3ES	3.5 - 4.8 ft	1.25 J	4.74 J	1.34	29.6	589	11.8	23.2	10.8	5.12 EMPC-J	17.3 EMPC-J	1.87 EMPC-J	27.9	2.27 EMPC-J	83.8 EMPC-J
13B-0539-C3AS	0 - 0.5 ft	54.6	96.3	3460 J	148	8850	2100	1670	1630	304	1310	312	2120	4460 J	3480
13B-0539-C3AT	0 - 0.5 ft	49.7	83.2	2550 J	120	8630	1880	1630	1380	448	1350	273	2250	3390 EMPC-J	3360
13B-0539-C3BS	0.5 - 1.5 ft	239	331	388	71.1	14400	1780	2340	3170	688	3800	234	3240	645 EMPC-J	1930
13B-0539-C3CS	1.5 - 2.5 ft	95	82.8	3.05	33.5	5970	799	588	1380	165 EMPC-J	1530	79.3	1050	48.6 EMPC-J	605 EMPC-J
13B-0539-C3HS	6.5 - 7.59 ft	0.349 U	0.393 EMPC-J	0.463 U	1.43 EMPC-J	332	1.81 EMPC-J	14.5	1.37 EMPC-J	1.85 EMPC-J	0.988 EMPC-J	0.469 U	1.69 EMPC-J	0.463 U	2.42 EMPC-J
13B-0540-C4AS	0 - 0.5 ft	25.7 J	29.6 J	382 J	20 J	8290 J	896 J	1570 J	889 J	300 J	543 J	87.4 J	466 J	547 J	620 EMPC-J
13B-0540-C4BS	0.5 - 1.5 ft	23.5 J	37 J	1120 J	34.8 J	6170 J	763 J	1130 J	731 J	249 J	499 EMPC-J	83.7 J	762 J	1290 J	1210 J
13B-0540-C4CS	1.5 - 2.5 ft	116 J	190 J	9600 J	154 J	26400 J	7170 J	4230 J	4300 J	1050 J	2890 J	401 J	4950 EMPC-J	10500 J	7780 EMPC-J
13B-0540-C4LS	10.3 - 11.25 ft	0.286 U	0.621 J	0.606 J	2.27	95.2	3.23 J	5.57	1.84 EMPC-J	0.75	1.16 EMPC-J	0.31 U	2.22	0.606	5.74 EMPC-J
13B-0541-C1AS	0 - 0.5 ft	25.5 J	42.9 J	3090 J	43.7 J	6290 J	938 J	1120 J	849 J	238 EMPC-J	591 J	87.9 J	809 EMPC-J	3320 J	1310 EMPC-J
13B-0541-C1BS	0.5 - 1.5 ft	22.2	39.5	666	43.7	5910	915	911	693 EMPC-J	178 J	466 EMPC-J	81.3 EMPC-J	684	888 EMPC-J	1060 EMPC-J
13B-0541-C1CS	1.5 - 2.5 ft	8.81	17.3	2410 J	95.8	1750	289	266	254 J	77.2 J	197 EMPC-J	60.1	325	2590 J	783 EMPC-J
13B-0541-C1FS	4.5 - 5.67 ft	0.507 U	0.56 U	0.83 U	0.682 U	28.8	0.688 U	0.955	0.449 U	0.766 UJ	0.498 U	0.889 U	0.571 U	0.83 U	0.682 U
13B-0542-C2AS	0 - 0.5 ft	7.98	13.4	10.3	39.6	1200	64.9	119	94.4 J	75.2 EMPC-J	143 EMPC-J	25.2	113 EMPC-J	23.2 EMPC-J	190 EMPC-J
13B-0542-C2BS	0.5 - 1.5 ft	1.26 EMPC-J	3.94 J	0.501 U	18.4	767	11.5	43.1	10.2 EMPC-J	18.5 EMPC-J	15.7 EMPC-J	6.7 EMPC-J	24.6 EMPC-J	1.74	59.6 EMPC-J
13B-0542-C2CS	1.5 - 2.5 ft	1.56 J	5.83	0.162 U	26.6	1710	21.6	63.9	12.7 EMPC-J	14.2 J	19.7 EMPC-J	5.14 EMPC-J	37.1 EMPC-J	4.92 EMPC-J	87.9 EMPC-J
13B-0542-C2HS	6.5 - 7.55 ft	0.442 U	0.444 U	0.676 U	0.525 U	8.31 J	0.874 U	0.772 U	0.462 U	0.713 UJ	0.445 U	0.722 U	0.463 U	0.676 U	0.525 U

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**3,4,6,7,8-HxCD**	**2,3,4,7,8-PeCDF**	**2,3,7,8-TCDD**	**2,3,7,8-TCDF**	**OCDD**	**OCDF**	**Total HpCDD**	**Total HpCDF**	**Total HxCDD**	**Total HxCDF**	**Total PeCDD**	**Total PeCDF**	**Total TCDD**	**Total TCDF**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.356**	**0.227**	**0.248**	**0.186**	**4.89**	**0.51**	**0.666**	**0.111**	**0.252**	**0.147**	**0.363**	**0.0896**	**0.182**	**0.105**
Maximum Detect		**239**	**390**	**51100**	**462**	**49600**	**14500**	**8920**	**11700**	**1890**	**12400**	**2850**	**12700**	**52100**	**25900**
Mean of Detects		**37.1**	**60.6**	**3090**	**50.4**	**6650**	**1400**	**1210**	**1150**	**299**	**843**	**148**	**1230**	**3310**	**1890**
St. Dev. of Detects		**51.4**	**84.6**	**7500**	**76.5**	**9190**	**2540**	**1650**	**1930**	**401**	**1460**	**296**	**2300**	**7980**	**4050**
CV of Detects		**1.38**	**1.40**	**2.43**	**1.52**	**1.38**	**1.82**	**1.36**	**1.68**	**1.34**	**1.73**	**2.01**	**1.87**	**2.41**	**2.14**
% Detected		**86.0**	**88.4**	**88.4**	**89.6**	**99.6**	**92.4**	**97.6**	**94.0**	**93.2**	**92.0**	**88.8**	**91.6**	**92.8**	**94.4**
Sample ID	**Depth Interval**														
13B-0543-G1AS	0 - 0.5 ft	17.3 J	22.7 J	239 J	14.7 J	4630 J	521 J	917 J	529 J	175 J	331 EMPC-J	47.8 EMPC-J	311 J	325 EMPC-J	451 EMPC-J
13B-0544-C2AS	0 - 0.5 ft	0.299 UJ	20.2 J	190 J	11.6 J	3030 J	409 J	618 J	405 J	133 J	361 J	41.2 J	268 J	256 EMPC-J	381 EMPC-J
13B-0544-C2BS	0.5 - 1.5 ft	19.7	29.8	351	15.6	4700	754	885	767	214	447	105 EMPC-J	372	462	476 EMPC-J
13B-0544-C2CS	1.5 - 2.5 ft	31.1	46.6	377	26.4	7740	996	1360	1040	301	674	92.9	623 EMPC-J	503 EMPC-J	755 EMPC-J
13B-0544-C2ES	3 - 3.97 ft	10.6	18	277	14.7	2380	238	394	272 J	90.4 J	211	30.1 EMPC-J	218	324 EMPC-J	272 EMPC-J
13B-0546-G2AS	0 - 0.5 ft	1.81 J	2.76 J	0.445 EMPC-J	2.25	437	34.2	88	39.9 EMPC-J	17.4 EMPC-J	29.2 EMPC-J	4.83 EMPC-J	26.4 EMPC-J	6.97 EMPC-J	28.5 EMPC-J
13B-0547-C2AS	0 - 0.5 ft	116 J	186 J	51100 J	153 J	24600 J	5550 J	4360 J	4580 J	879 J	2720 J	333 EMPC-J	3910 EMPC-J	52100 J	6580 EMPC-J
13B-0547-C2BS	0.5 - 1.5 ft	75.9 J	125 J	3820 J	179 J	13200 J	2420 J	2580 J	2480 J	640 J	1930 J	337 J	2790 J	4970 J	3860 J
13B-0547-C2CS	1.5 - 2.05 ft	11.9 J	14.3	38.8	15.8	1740	103	88.2	174 J	42.8 EMPC-J	204 J	27.5 EMPC-J	155 EMPC-J	66.5 EMPC-J	158 EMPC-J
13B-0547-C2HS	6.5 - 7.15 ft	0.2 U	0.221 U	0.231 U	0.186 J	27.3	1.05 J	1.76 EMPC-J	0.27 J	0.214 UJ	0.196 U	0.305 U	0.23 U	0.231 U	0.577 EMPC-J
13B-0547-C5AAS	0 - 0.25 ft	35.7 J	50.8 J	1010 J	40.3 J	14200 J	1460 J	2140 J	1330 J	414 J	825 J	119 J	829 EMPC-J	1220 EMPC-J	1160 EMPC-J
13B-0547-C5ABS	0.25 - 0.5 ft	35.3 J	55.5 J	1140 J	38.7 J	9140 J	1450 J	1720 J	1300 J	370 J	805 EMPC-J	134 J	909 EMPC-J	1410 EMPC-J	1380 EMPC-J
13B-0547-C5ACS	0.5 - 0.75 ft	99.1 J	174 J	19000 J	141 J	24600 J	5390 J	4290 J	4780 J	918 J	2770 EMPC-J	410 J	5410 EMPC-J	20300 J	9290 EMPC-J
13B-0547-C5ADS	0.75 - 1 ft	223 J	390 J	40900 J	311 J	49600 J	14500 J	8920 J	11700 J	1890 J	6260 J	816 J	12700 EMPC-J	43100 J	20700 EMPC-J
13B-0547-C5AES	1 - 1.25 ft	140 J	228 J	22300 J	189 J	29800 J	5840 J	5370 J	5180 J	1090 J	3170 J	420 J	4640 J	23600 EMPC-J	6620 EMPC-J
13B-0547-C5AFS	1.25 - 1.5 ft	86.5	152	10300 J	199	14000	2970	2790	2900	753	2170	1020	3450	13200 J	5370
13B-0547-C5AGS	1.5 - 1.75 ft	168 J	302 J	22900 J	462 J	26500 J	6110 J	5620 J	5930 J	1450 J	4440 J	2850 EMPC-J	6060 EMPC-J	30500 J	9200 J
13B-0547-C5AHS	1.75 - 2 ft	90.6	153	5840 J	320	12500	3170	2760	3000	739 EMPC-J	2370	387 EMPC-J	2920 EMPC-J	7050 J	4250
13B-0547-C5AIS	2 - 2.25 ft	20.1	25.7	1280	100	2610	476	423	558	118	599	56.8 EMPC-J	561	1430 EMPC-J	687 EMPC-J
13B-0547-C5AJS	2.25 - 2.5 ft	5.73	9.38	26.1	18.8	3280	112	184	84.1	102 EMPC-J	89.5 EMPC-J	36.9 EMPC-J	83.6	51.6 EMPC-J	137 EMPC-J
13B-0547-C5AKS	2.5 - 2.75 ft	1.74 J	2.4 J	27.3	5.34	2660	37.9	59.5	28.5 EMPC-J	13.3 EMPC-J	23.1	6.7	29.6 EMPC-J	33.7 EMPC-J	44 EMPC-J
13B-0547-C5ALS	2.75 - 3 ft	1.7 J	3 J	10.4	4.75	468	40.2	26.4	25.8	8.55	19.8 EMPC-J	2.91 EMPC-J	26.7 EMPC-J	14.8 EMPC-J	40.6 EMPC-J
13B-0548-C1AS	0 - 0.5 ft	10.9	16.2	99.3	11.8	2600	264	599	271 EMPC-J	109 EMPC-J	199 EMPC-J	34.2 EMPC-J	206 EMPC-J	158 EMPC-J	220 EMPC-J
13B-0548-C1BS	0.5 - 1.5 ft	10.8	15.8	84.1	9.69	3110	271	603	304	112	217 EMPC-J	31.4	187 EMPC-J	139 EMPC-J	196 EMPC-J
13B-0548-C1BT	0.5 - 1.5 ft	10	14.9	95	8.52	3290	266	659	280 EMPC-J	110 EMPC-J	204 EMPC-J	30.4 EMPC-J	185 EMPC-J	154 EMPC-J	204 EMPC-J
13B-0548-C1CS	1.5 - 2.5 ft	12.6	22.8	247	16.6	3190	307 J	547 J	305 J	143	235 J	52.2 EMPC-J	275 EMPC-J	310 EMPC-J	345 EMPC-J
13B-0548-C1IS	7.5 - 8.79 ft	0.434 U	0.415 U	0.259 U	0.344 U	140	0.453 U	9.16	0.454 U	1.59 EMPC-J	0.473 U	0.389 U	0.435 U	0.259 U	0.344 U
13B-0549-C3AS	0 - 0.5 ft	10.7	15.5	140	11	3250	323	601	341	108	221 EMPC-J	36 EMPC-J	213 EMPC-J	193 EMPC-J	273 EMPC-J
13B-0549-C3BS	0.5 - 1.5 ft	1.85 J	5.59	0.378 U	14.3	378	21	50.7	24.5 EMPC-J	35.6 EMPC-J	29.6 EMPC-J	10.8 EMPC-J	35.5 EMPC-J	2.73	57.9 EMPC-J
13B-0549-C3CS	1.5 - 2.65 ft	2.67 J	9.42	0.41 U	41.8	699	23.8	27.6	22.6	7.15 EMPC-J	32.2 EMPC-J	3.23 EMPC-J	54.8 EMPC-J	1.72	136 EMPC-J
13B-0550-C3AS	0 - 0.5 ft	13.1 J	16.6 J	105 J	11.7 J	3850 J	360 J	784 J	386 J	135 J	241 J	39.5 J	218 EMPC-J	171 EMPC-J	276 EMPC-J
13B-0550-C3BS	0.5 - 1.5 ft	4.32	8.09	77.2	11.4	1300	97	154	100	32.7 EMPC-J	77.7 EMPC-J	11.6 EMPC-J	96.1	96	143 EMPC-J
13B-0550-C3CS	1.5 - 2.5 ft	0.552 EMPC-J	2.54 J	0.345 J	8.66	997	2.7 J	43.4	3.22 EMPC-J	6.84	6.42 EMPC-J	1.58 EMPC-J	14.5 EMPC-J	1.38 EMPC-J	31.4 EMPC-J
13B-0550-C3FS	4.5 - 5.37 ft	0.128 U	0.0919 U	0.131 U	0.0922 U	192	0.197 U	11.9	0.164 U	1.72	0.13 U	0.166 U	0.0912 U	0.182	0.105 EMPC-J
13B-0551-C2AS	0 - 0.5 ft	14.2	24.2	203	21.2	3360	450	570	414	115	300	49.9	328 EMPC-J	304 EMPC-J	458
13B-0551-C2BS	0.5 - 0.88 ft	11.9	20.6	328	20.1	1820	339	298	294	71.2 EMPC-J	242 EMPC-J	32	257 EMPC-J	413 EMPC-J	341 EMPC-J
13B-0552-C3AS	0 - 0.5 ft	24.6 J	34.9 J	1390 J	27.8 J	6870 J	916 J	1390 J	831 J	268 J	508 J	77.1 EMPC-J	554 J	1550 EMPC-J	788 EMPC-J
13B-0552-C3BS	0.5 - 1.5 ft	35	68.4	795	36.4	11000	1160 J	1910	1040 J	477	669	203	791	1100	1000 EMPC-J
13B-0552-C3CS	1.5 - 2.38 ft	64.1	109	6050 J	98.6	12000	2580	2240	2110 J	574	1490	207	2690	6630 EMPC-J	4730 EMPC-J
13B-0552-C3CT	1.5 - 2.38 ft	68.7	119	6760 J	94.3	14200	3430	2480	2440 J	607	1650	243	3010	7440 J	5290
13B-0553-C2AS	0 - 0.5 ft	9.95	9.52	54	6.6	1740	348	294	590	58.3 J	208	21 EMPC-J	124	81.9 EMPC-J	138 EMPC-J
13B-0553-C2BS	0.5 - 1.5 ft	5.72	5.2	0.941 J	9.19	1050	113	48.3	99.9	24.8 J	95.2	14.2 EMPC-J	68.2 EMPC-J	8.82 EMPC-J	69.9 EMPC-J
13B-0553-C2CS	1.5 - 2.5 ft	3.41 J	7.33	0.483 J	7.3	1440	190	51.4	70.7	16.3 EMPC-J	43.6 EMPC-J	11.8 EMPC-J	51.1 EMPC-J	10.4 EMPC-J	68.7 EMPC-J
13B-0553-C2DS	2.5 - 3.5 ft	6.09	12.1	0.93 J	16.1	2360	316	83.3	141	31.9 EMPC-J	81.8 EMPC-J	16.7 EMPC-J	83.7	18.8 EMPC-J	130 EMPC-J
13B-0554-C1AS	0 - 0.5 ft	12	13.3	70.6 J	6.92	1800	919 J	363	610 J	75.8 EMPC-J	245 J	21.5 EMPC-J	141 EMPC-J	103 J	157 EMPC-J
13B-0554-C1BS	0.5 - 1.5 ft	21.8	30.3	250	20.4	5870	778	1150	730	233	462	72 EMPC-J	397	377 EMPC-J	533 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**	**SW1613B**
Analyte		**3,4,6,7,8-HxCD**	**2,3,4,7,8-PeCDF**	**2,3,7,8-TCDD**	**2,3,7,8-TCDF**	**OCDD**	**OCDF**	**Total HpCDD**	**Total HpCDF**	**Total HxCDD**	**Total HxCDF**	**Total PeCDD**	**Total PeCDF**	**Total TCDD**	**Total TCDF**
Unit		**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Minimum Detect		**0.356**	**0.227**	**0.248**	**0.186**	**4.89**	**0.51**	**0.666**	**0.111**	**0.252**	**0.147**	**0.363**	**0.0896**	**0.182**	**0.105**
Maximum Detect		**239**	**390**	**51100**	**462**	**49600**	**14500**	**8920**	**11700**	**1890**	**12400**	**2850**	**12700**	**52100**	**25900**
Mean of Detects		**37.1**	**60.6**	**3090**	**50.4**	**6650**	**1400**	**1210**	**1150**	**299**	**843**	**148**	**1230**	**3310**	**1890**
St. Dev. of Detects		**51.4**	**84.6**	**7500**	**76.5**	**9190**	**2540**	**1650**	**1930**	**401**	**1460**	**296**	**2300**	**7980**	**4050**
CV of Detects		**1.38**	**1.40**	**2.43**	**1.52**	**1.38**	**1.82**	**1.36**	**1.68**	**1.34**	**1.73**	**2.01**	**1.87**	**2.41**	**2.14**
% Detected		**86.0**	**88.4**	**88.4**	**89.6**	**99.6**	**92.4**	**97.6**	**94.0**	**93.2**	**92.0**	**88.8**	**91.6**	**92.8**	**94.4**
Sample ID	**Depth Interval**														
13B-0554-C1CS	1.5 - 2.5 ft	16.7	63.2	203	33.1	5410	555	1080	511	289	347 EMPC-J	83.6 EMPC-J	403	310 EMPC-J	489 EMPC-J
13B-0554-C1ES	3.5 - 4.7 ft	0.208 U	0.227 J	0.5 J	0.828 J	386	1.22 J	17.4	0.995 EMPC-J	2.06	0.642 EMPC-J	0.239 U	0.552 EMPC-J	0.727 EMPC-J	1.5 EMPC-J
13B-0555-C1AS	0 - 0.5 ft	148 J	234 J	17600 J	222 J	32300 J	7660 J	5740 J	6280 J	1320 J	3620 J	487 EMPC-J	6630 J	18900 J	9610 EMPC-J
13B-0555-C1BS	0.5 - 1.22 ft	73.1	107	7230 J	68.2	13800	2130	2470	2130 J	480 EMPC-J	1510	174 EMPC-J	1530	8050 EMPC-J	1760 EMPC-J
13B-0555-C2CS	1.5 - 2 ft	176 J	279 J	19700 J	262 J	39000 J	9900 J	6900 J	8100 J	1550 J	4450 EMPC-J	637 J	8760 J	21500 J	13600 J
13B-0555-C2DS	2 - 3 ft	105 J	146 J	10800 J	197 J	19000 J	4880 J	3500 J	3800 J	744 J	2370 J	281 EMPC-J	2910 J	11600 J	4110 EMPC-J
13B-0556-C2AS	0 - 0.5 ft	16.5 J	22.3 J	161 J	13.1 J	4990 J	508 J	1050 J	514 J	162 EMPC-J	320 EMPC-J	47.1 EMPC-J	288 J	229 EMPC-J	354 EMPC-J
13B-0556-C2BS	0.5 - 1.5 ft	17.9	25.9	150 J	15.7	5270	494 J	934	519	171 J	350	55.2 EMPC-J	327 EMPC-J	222 EMPC-J	366 EMPC-J
13B-0556-C2CS	1.5 - 2.38 ft	11.3	17.7	205	11.3	3540	283	617	312	115 EMPC-J	215 EMPC-J	44 EMPC-J	210	255	229 EMPC-J
13B-0557-C2AS	0 - 0.5 ft	20.2 J	22.8 J	49.7 J	17.6 J	8140 J	460 J	1290 J	487 J	206 J	292 EMPC-J	58.7 EMPC-J	279 J	122 J	261 EMPC-J
13B-0557-C2BS	0.5 - 1.5 ft	22.3 J	23.9 J	57.9 J	16.5 J	9330 J	587 J	1510 J	559 J	238 J	339 EMPC-J	67.2 EMPC-J	309 EMPC-J	134 EMPC-J	273 EMPC-J
13B-0557-C2CS	1.5 - 2.5 ft	25.9	61.4	279	35.6	10100	896	1870	743 J	401 J	553 EMPC-J	102 EMPC-J	631 EMPC-J	428	695 EMPC-J
13B-0557-C2ES	3.5 - 4.5 ft	31.5	48.7	677	36.5	6980	700	1160	830 J	217	572	77.3 EMPC-J	803 EMPC-J	828 EMPC-J	988 EMPC-J
13B-0558-C2AS	0 - 0.5 ft	12.7 J	15.7 J	101 J	12.5 J	3630 J	342 J	679 J	312 J	140 J	219 EMPC-J	41.9 EMPC-J	194 EMPC-J	160 EMPC-J	248 EMPC-J
13B-0558-C2BS	0.5 - 1.5 ft	7.21	8.19	23	20.7	1540	107	176	137 J	37.7 EMPC-J	142	15.9 EMPC-J	116 EMPC-J	38 EMPC-J	138 EMPC-J
13B-0558-C2CS	1.5 - 2.5 ft	2.76 EMPC-J	3.77 J	6.97	6.18 EMPC-J	824	65	33.7	37.3 J	11.1 EMPC-J	36.2 EMPC-J	4.95 EMPC-J	32.3 EMPC-J	10.1	46.6 EMPC-J
13B-0558-C2FS	4.5 - 5.75 ft	0.338 U	0.363 U	0.475 U	0.428 U	7.48 J	0.765 U	0.787 U	0.672 U	0.548 UJ	0.352 U	0.48 U	0.368 U	0.475 U	0.428 U
13B-0559-C3AS	0 - 0.5 ft	9.47	10.8	82.6	8.29	2270	506	477	452 J	88.6 J	198 EMPC-J	23.2 EMPC-J	157 EMPC-J	118 EMPC-J	166 EMPC-J
13B-0559-C3BS	0.5 - 1.5 ft	20.2 J	25.7 J	103 J	18.6 J	7370 J	612 J	1280 J	568 J	221 J	351 EMPC-J	66.9 J	334 EMPC-J	181 EMPC-J	338 EMPC-J
13B-0559-C3CS	1.5 - 2.5 ft	23.1	93.9	152	52.8	9540	746	1730	670 J	386 J	454 EMPC-J	115	567 EMPC-J	290 EMPC-J	593 EMPC-J
13B-0559-C3GS	5.5 - 6 ft	28.4	43.9	546	26.4	8360	793	1540	793 J	279 J	545 EMPC-J	77.1	689	677	890 EMPC-J
13B-0560-C1AS	0 - 0.5 ft	5.48	9.43	18.6	6.61	1210	91.2	262	104 EMPC-J	49.1 EMPC-J	90.9	15.1 EMPC-J	99.8 EMPC-J	39.2 EMPC-J	97.5 EMPC-J
13B-0560-C1BS	0.5 - 1.5 ft	17.4	22.6	117	13	3850	492	758	470	146	310 EMPC-J	41.2 EMPC-J	278	175	306 EMPC-J
13B-0560-C1CS	1.5 - 2.5 ft	21.5 J	24.6 J	29.6 J	17.1 J	8390 J	512 J	1650 J	528 J	236 J	328 J	69.9 EMPC-J	283 EMPC-J	104 EMPC-J	259 EMPC-J
13B-0560-C1GS	5.14 - 5.86 ft	1.42 U	1.6 U	1.93 U	1.68 U	29.5	2.91 U	2.02 U	1.56 U	1.93 U	1.51 U	2.06 U	1.58 U	1.93 U	1.68 U
13B-0561-C1AS	0 - 0.5 ft	35.9	124	1550	80.7	13800	1540	2500	1720	462	1490	166 EMPC-J	1700	2080	1770 EMPC-J
13B-0561-C1BS	0.5 - 1.5 ft	44.2	76.5	83.8	177	14200	855	2400	1030 J	465	808 EMPC-J	140 EMPC-J	899	841 EMPC-J	898 EMPC-J
13B-0561-C1CS	1.5 - 2.5 ft	25.1	50.3	89.2	43.6	2630	220	493	338 J	141	379 EMPC-J	49.6 EMPC-J	549	187	397
13B-0561-C1GS	5.5 - 6.5 ft	0.173 U	0.194 U	0.291 U	0.197 U	6.29 J	0.534 U	1.15 U	0.289 U	0.269 U	0.179 U	0.254 U	0.195 U	0.291 U	0.197 U
13B-0562-G2AS	0 - 0.5 ft	6.33	6.8	8.14	4.57	2350	135	603	165 EMPC-J	75.1	110 EMPC-J	13.9 EMPC-J	72.2 EMPC-J	25.5 EMPC-J	71.3 EMPC-J
13B-0563-C2AS	0 - 0.5 ft	1.98 J	2.8 J	2.16	2.04	359	24.2	75.5	34.4 EMPC-J	14.4	32.5 EMPC-J	2.62 EMPC-J	35.1	7.64	37.8 EMPC-J
13B-0563-C2AT	0 - 0.5 ft	2.06 J	2.93 J	2.68	1.8	392	27.5	103	33.3 EMPC-J	23.7 EMPC-J	33.4 EMPC-J	7.56 EMPC-J	31.9 EMPC-J	11.6 EMPC-J	28.2 EMPC-J
13B-0563-C2BS	0.5 - 1.1 ft	0.792 J	1.28 J	1.11	1.31	183	8.7 J	33	14.2	5.8	14	1.21	13.1 EMPC-J	3.95 EMPC-J	12.6 EMPC-J
13B-0563-C2CS	1.1 - 2.5 ft	102 J	148 J	2130 J	73.2 J	41700 J	2740 J	6570 J	2900 J	1110 J	1860 J	327 EMPC-J	2270 J	2840 J	3120 EMPC-J
13B-0563-C2IS	7.5 - 8.28 ft	16.9	31.6	3.89 EMPC-J	12.5	1800	186	420	370	97.3 EMPC-J	266	31.9 EMPC-J	287	30.2 EMPC-J	186 EMPC-J
13B-0564-G2AS	0 - 0.5 ft	33.6 J	48.6 J	792 J	34.3 J	8660 J	1240 J	1720 J	1180 J	344 EMPC-J	722 J	97.5 J	763 EMPC-J	986 EMPC-J	1120 EMPC-J
13B-0565-G1AS	0 - 0.5 ft	5.38	10	77.1	4.66	1230	125	214	136	47.5 EMPC-J	112	17.7 EMPC-J	133	111 EMPC-J	178 EMPC-J
13B-0566-G3AS	0 - 0.5 ft	2.72 J	4.97 J	47.1	2.77	693	82.3	139	84.6	28.4 EMPC-J	59 EMPC-J	9.81 EMPC-J	69.8 EMPC-J	67.2 EMPC-J	96.2 EMPC-J
13B-0567-G2AS	0 - 0.5 ft	29.5 J	37 J	427 J	22.7 J	7910 J	1780 J	1550 J	1240 J	307 J	654 EMPC-J	95.4 J	557 J	604 EMPC-J	765 EMPC-J
13B-0568-G2AS	0 - 0.5 ft	61.2 J	110 J	2340 J	245 J	19100 J	2820 J	3050 J	2320 J	644 J	1650 J	367 J	2600 J	3360 J	3780 EMPC-J
13B-0570-G3AS	0 - 0.5 ft	18.4 J	24.9 J	435 J	20 J	4820 J	689 J	984 J	628 J	186 J	397 EMPC-J	52.4 EMPC-J	392 EMPC-J	538 EMPC-J	603 EMPC-J
13B-0571-C3AS	0 - 0.5 ft	8.74	12.5	87.6	7.69	2540	250	481	252 J	90 EMPC-J	167 EMPC-J	22.6 EMPC-J	155	121	184 EMPC-J
13B-0571-C3BS	0.5 - 1.5 ft	5.23	10.1	104	5.6	1690	171	304	167 J	64 EMPC-J	99.2 EMPC-J	20.7 EMPC-J	101 EMPC-J	126	112 EMPC-J
13B-0571-C3CS	1.5 - 2.5 ft	0.35 U	1.02 J	5.81	0.495 EMPC-J	177	19.1	31.9	39.3 J	5.69 EMPC-J	13.7 EMPC-J	0.588 U	13.7	6.6	7.72 EMPC-J
13B-0571-C3MS	11 - 12 ft	0.348 U	0.266 U	0.467 U	0.301 U	1.08 U	0.542 U	0.596 U	0.373 U	0.568 UJ	0.36 U	0.428 U	0.278 U	0.467 U	0.301 U
13B-0572-C1AS	0 - 0.5 ft	4.68 J	9.59	2.58	10.4	341	32.5	59.5	72.3 EMPC-J	19.2 EMPC-J	70.4 EMPC-J	4.45	92.2 EMPC-J	4.31	79.6 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
PCDDF

Analytic Method		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte		3,4,6,7,8-HxCD	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF	Total HpCDD	Total HpCDF	Total HxCDD	Total HxCDF	Total PeCDD	Total PeCDF	Total TCDD	Total TCDF
Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Minimum Detect		0.356	0.227	0.248	0.186	4.89	0.51	0.666	0.111	0.252	0.147	0.363	0.0896	0.182	0.105
Maximum Detect		239	390	51100	462	49600	14500	8920	11700	1890	12400	2850	12700	52100	25900
Mean of Detects		37.1	60.6	3090	50.4	6650	1400	1210	1150	299	843	148	1230	3310	1890
St. Dev. of Detects		51.4	84.6	7500	76.5	9190	2540	1650	1930	401	1460	296	2300	7980	4050
CV of Detects		1.38	1.40	2.43	1.52	1.38	1.82	1.36	1.68	1.34	1.73	2.01	1.87	2.41	2.14
% Detected		86.0	88.4	88.4	89.6	99.6	92.4	97.6	94.0	93.2	92.0	88.8	91.6	92.8	94.4
Sample ID	Depth Interval														
13B-0572-C1BS	0.5 - 1.5 ft	3.61 J	16.4	0.461 J	72.7	1040	45	154	41.3 J	89.3	56.6 EMPC-J	36.7 EMPC-J	97.4 EMPC-J	11.4 EMPC-J	209 EMPC-J
13B-0572-C1CS	1.5 - 2.27 ft	2.08 J	7.17	0.617 U	25.8	486	16.8	20.9	15.3 J	5.48	26.3 EMPC-J	3.65 EMPC-J	41.1	2.7 EMPC-J	88.7 EMPC-J
13B-0573-C2AS	0 - 0.5 ft	4.71 J	6.51	11	5.67	1890	112	372	125 J	54.8 EMPC-J	76.9 EMPC-J	15.4	75.1 EMPC-J	38.7 EMPC-J	87.5 EMPC-J
13B-0573-C2BS	0.5 - 1.5 ft	2.72 J	3.74 J	13.8	2.64	818	81.3	163	84.9 J	40.2 EMPC-J	56.6	9.92 EMPC-J	49.4	27.4 EMPC-J	51.3 EMPC-J
13B-0573-C2CS	1.5 - 2.5 ft	7.37	11	185	7.06	2380	250	383	223 J	70	138 EMPC-J	21.1 EMPC-J	198 EMPC-J	220 EMPC-J	274
13B-0573-C2DS	2.5 - 3.75 ft	0.182 U	0.195 U	1.06 EMPC-J	0.219 U	13.2	1.48 J	3.24	1.45 EMPC-J	0.259 U	0.56 EMPC-J	0.259 U	0.687 EMPC-J	1.06 EMPC-J	0.558 EMPC-J
13B-0574-C2AS	0 - 0.5 ft	15	26.9	465	21.1	2810	333	517	324 J	114	258 EMPC-J	44.6 EMPC-J	439	552 EMPC-J	664 EMPC-J
13B-0574-C2BS	0.5 - 1.5 ft	21.1	39.2 J	665 J	27.3	3410 J	550 J	683 J	509 J	172	380 J	66.6	642 J	918 EMPC-J	997 EMPC-J
13B-0574-C2CS	1.5 - 2.5 ft	33.4	39.9	691	20	3210	549	683	552 J	235	488	76.9 EMPC-J	698 EMPC-J	804 EMPC-J	902 EMPC-J
13B-0574-C2HS	6.4 - 7.4 ft	25.7	42.5	1480	26.4	6310	845	1170	782 J	227	534 EMPC-J	81.3 EMPC-J	930 EMPC-J	1670 EMPC-J	1330
13B-0575-C4AS	0 - 0.5 ft	68.2 J	114 J	8090 J	69.3 J	19500 J	3230 J	3170 J	2420 J	816 J	1620 J	248 J	3850 J	8710 EMPC-J	7540 EMPC-J
13B-0575-C4BS	0.5 - 1.5 ft	36.2	60.2	3420 J	55.7	7950	2280	1280	1470 J	315	870 EMPC-J	113 EMPC-J	1710	3730 J	2730 EMPC-J
13B-0575-C4CS	1.5 - 2.5 ft	0.105 U	0.105 U	1.13	0.113 U	67	0.51 EMPC-J	7.31	0.41 EMPC-J	1.48 EMPC-J	0.108 U	0.225 U	0.252	1.41	0.931
13B-0575-C4FS	4.3 - 5.44 ft	0.0776 U	0.075 U	0.414 EMPC-J	0.0929 U	18.1	0.195 U	1.79 EMPC-J	0.111 J	0.318	0.0818 U	0.179 U	0.0896 EMPC-J	0.414 EMPC-J	0.213
13B-0577-G1AS	0 - 0.5 ft	13.5 J	15.8 J	80.4 J	9.07 J	4380 J	431 J	839 J	409 J	160 J	263 J	39.7 J	212 J	127 J	215 EMPC-J
13B-0578-C5AS	0 - 0.5 ft	1.95 J	2.53 J	23.3	1.69	295	30.3	50.8	39.8 J	10.7 EMPC-J	34.6 EMPC-J	3.51 EMPC-J	40.8 EMPC-J	27.9 EMPC-J	42.4 EMPC-J
13B-0578-C5BS	0.5 - 1.5 ft	9.45	10.8	77.2 J	7.98	3420	671 J	512 J	579 J	47.8 EMPC-J	197 EMPC-J	16.5 EMPC-J	136	93.4 EMPC-J	135
13B-0578-C5CS	1.5 - 2.5 ft	6.52	5.94	1.1 EMPC-J	15.5	2060	74.3	73.7 J	118 J	31.5 EMPC-J	114 EMPC-J	14.7 EMPC-J	78.6 EMPC-J	8.85 EMPC-J	97.7 EMPC-J
13B-0578-C5CT	1.5 - 2.5 ft	7.34	6.79	1.07 EMPC-J	14.9	2150	74.7	147 J	116 J	106 EMPC-J	129 EMPC-J	27.6 EMPC-J	86.4 EMPC-J	10.2 EMPC-J	101 EMPC-J
13B-0578-C5GS	5.25 - 6.25 ft	0.284 U	0.562 J	0.397 U	0.709 J	121	6.61 J	4.97 EMPC-J	2.17 J	0.376 UJ	1.54 EMPC-J	0.387 U	1.75 EMPC-J	0.397 U	2.69 EMPC-J

Notes:
% = percent
ft = feet
pg/g = picogram per gram
CV = Coefficient of Deviation
EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
PCDDF = Polychlorinated Dibenzo-p-dioxins and Dibenzofurans
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**
Analyte		**2,4'-DDD**	**2,4'-DDE**	**2,4'-DDT**	**4,4'-DDD**	**4,4'-DDE**	**4,4'-DDT**	**Aldrin**	**alpha-BHC**	**beta-BHC**	**cis-Chlordane**	**cis-Nonachlor**	**delta-BHC**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**0.069**	**0.027**	**0.078**	**0.054**	**0.051**	**0.1**	**0.011**	**0.015**	**0.014**	**0.025**	**0.035**	**0.026**
Maximum Detect		**380**	**1400**	**130**	**1600**	**3900**	**650**	**24**	**2.2**	**2.2**	**220**	**67**	**0.94**
Mean of Detects		**18.9**	**29.4**	**3.42**	**58.5**	**115**	**12.1**	**2.30**	**0.219**	**0.216**	**16.7**	**5.96**	**0.153**
St. Dev. of Detects		**44.0**	**124**	**13.7**	**147**	**343**	**58.3**	**4.30**	**0.296**	**0.266**	**21.7**	**6.86**	**0.175**
CV of Detects		**2.32**	**4.23**	**3.99**	**2.52**	**2.98**	**4.83**	**1.87**	**1.35**	**1.23**	**1.30**	**1.15**	**1.15**
% Detected		**76.2**	**77.4**	**45.6**	**79.8**	**87.1**	**69.4**	**71.0**	**60.5**	**60.1**	**81.9**	**73.8**	**28.6**
Sample ID	**Depth Interval**												
13B-0501-C1AS	0 - 0.5 ft	11	1.2	0.51 EMPC-J	35	9.5	2.2	0.26 J	0.026 J	0.33 J	7.7	1.7	0.017 U
13B-0501-C1BS	0.5 - 1.5 ft	9.5	1.0	0.13 U	33	9.1	0.73	0.22 J	0.015 U	0.48	6.6	1.4	0.025 U
13B-0501-C1CS	1.5 - 2.5 ft	41	4.0	0.20 U	160	24	2.8	0.53	0.052 J	0.084 J	13	2.9	0.037 J
13B-0501-C1DS	2.5 - 3.07 ft	18	1.4	0.15 U	32	5.7	0.20 U	0.019 U	0.012 U	0.020 U	0.42	0.083 J	0.023 U
13B-0502-C2AS	0 - 0.5 ft	2.5	0.75	0.13 EMPC-J	7.6	5.3	0.58	0.22 J	0.015 U	0.095 J	3.6	0.89	0.019 U
13B-0502-C2BS	0.5 - 1.5 ft	14	4.0	1.1	34	28	51	0.52	0.078 J	0.060 J	19	5.2	0.022 U
13B-0502-C2CS	1.5 - 2.45 ft	65	15	4.3	150	110	16	3.1	0.15 J	0.12 J	75	20	0.029 U
13B-0503-C1AS	0 - 0.5 ft	0.60	0.26 J	0.12 EMPC-J	2.0	1.8	0.49	0.072 J	0.022 EMPC-J	0.028 EMPC-J	0.93	0.23 J	0.014 U
13B-0503-C1BS	0.5 - 1.5 ft	0.019 U	0.039 U	0.026 U	0.20 J	0.056 U	0.029 U	0.0090 U	0.014 U	0.016 U	0.035 EMPC-J	0.019 U	0.018 U
13B-0503-C1CS	1.5 - 2.5 ft	0.011 U	0.023 U	0.014 U	0.012 U	0.030 U	0.016 U	0.0062 U	0.010 U	0.012 U	0.010 U	0.012 U	0.014 U
13B-0503-C1DS	2.5 - 2.5 ft	0.014 U	0.027 U	0.019 U	0.015 U	0.036 U	0.021 U	0.0065 U	0.010 U	0.014 U	0.012 U	0.014 U	0.016 U
13B-0504-C4AS	0 - 0.5 ft	140 J	640 J	2.1 UJ	380 J	1600 J	23 J	0.11 UJ	0.85 J	1.0 J	7.7 J	3.6 J	0.33 J
13B-0504-C4BS	0.5 - 1.5 ft	230 J	1400 J	2.9 UJ	650 J	3900 J	30 J	0.13 UJ	2.2 J	2.2 J	7.2 J	4.6 J	0.67 J
13B-0504-C4CS	1.5 - 2.5 ft	86	420 J	1.2 U	360 J	1200 J	8.7	0.058 U	0.88	0.78	2.8	1.9	0.34 J
13B-0504-C4KS	9.5 - 10.25 ft	0.24 J	0.70	0.035 U	0.70	2.2	0.043 U	0.024 U	0.014 U	0.019 U	0.034 U	0.042 U	0.022 U
13B-0505-C1AS	0 - 0.5 ft	13 J	5.5 J	1.2 J	38 J	40 J	5.2 J	0.99 J	0.13 J	0.23 J	23 J	5.9 J	0.020 UJ
13B-0505-C1BS	0.5 - 1.5 ft	4.2	1.6	0.13 U	11	15	1.2 EMPC-J	0.34 J	0.025 U	0.034 U	6.4	2.1	0.040 U
13B-0505-C1CS	1.5 - 2.5 ft	17	8.2	54	44	66	2.0	1.0	0.11 J	0.080 J	26	8.8	0.030 U
13B-0505-C1FS	4.5 - 5.2 ft	0.088 U	0.026 U	0.11 U	0.091 U	0.15 J	0.13 U	0.035 U	0.014 U	0.019 U	0.038 J	0.018 U	0.022 U
13B-0506-C2AS	0 - 0.5 ft	6.1	1.8	0.20 U	18	15	2.4	0.42	0.022 U	0.12 J	9.4	2.7	0.030 U
13B-0506-C2BS	0.5 - 1.5 ft	0.13 U	0.11 EMPC-J	0.23 U	0.99	1.3	0.26 U	0.028 U	0.026 U	0.035 U	0.58	0.21 J	0.038 U
13B-0506-C2CS	1.5 - 2.5 ft	0.061 U	0.020 U	0.096 U	0.066 U	0.15 J	0.11 U	0.011 U	0.015 U	0.018 U	0.053 J	0.012 U	0.022 U
13B-0507-C2AS	0 - 0.5 ft	0.074 U	0.11 EMPC-J	0.11 U	0.51	0.63	0.13 U	0.023 U	0.019 U	0.024 U	0.22 J	0.024 U	0.027 U
13B-0507-C2BS	0.5 - 1.5 ft	0.035 U	0.015 U	0.049 U	0.040 U	0.065 J	0.054 U	0.030 J	0.038 J	0.024 J	0.027 J	0.063 J	0.012 U
13B-0507-C2CS	1.5 - 2.5 ft	0.035 U	0.010 U	0.047 U	0.039 U	0.016 U	0.058 U	0.011 EMPC-J	0.021 J	0.012 U	0.0075 U	0.0091 U	0.013 U
13B-0507-C2DS	2.5 - 3.5 ft	0.042 U	0.017 U	0.054 U	0.046 U	0.021 U	0.064 U	0.0056 U	0.0098 U	0.012 U	0.0072 U	0.011 U	0.014 U
13B-0508-G3AS	0 - 0.5 ft	0.43 EMPC-J	0.20 J	0.19 EMPC-J	1.2	1.1	0.59	0.090 U	0.012 U	0.079 J	1.0	0.50	0.046 J
13B-0509-C1AS	0 - 0.5 ft	15	20	1.4	71	150	6.7	3.7 J	0.13 J	0.16 J	12	5.3	0.023 U
13B-0509-C1BS	0.5 - 1.5 ft	1.3	1.5	0.13 U	4.2	8.5	0.15 U	0.37 J	0.050 EMPC-J	0.043 EMPC-J	0.40	0.27 J	0.020 U
13B-0509-C1CS	1.5 - 2.5 ft	0.037 U	0.024 U	0.057 U	0.047 U	0.051 EMPC-J	0.11 U	0.094 U	0.016 U	0.020 U	0.034 U	0.050 U	0.023 U
13B-0509-C1ES	3.17 - 4.17 ft	0.13 U	0.047 U	0.15 U	0.13 U	0.15 J	0.28 U	0.26 UJ	0.042 U	0.057 U	0.041 U	0.10 U	0.065 U
13B-0510-C3AS	0 - 0.5 ft	55	16	0.21 U	150	69	9.9	0.14 J	0.15 EMPC-J	0.17 J	6.1	2.7	0.045 EMPC-J
13B-0510-C3BS	0.5 - 1.9 ft	5.2	1.2	0.064 U	16	4.9	0.072 U	0.014 U	0.015 U	0.020 U	0.45	0.12 J	0.023 U
13B-0511-C3AS	0 - 0.5 ft	11 J	5.4 J	0.11 UJ	37 J	40 J	1.2 J	1.7 J	0.15 J	0.28 J	24 J	6.4 J	0.037 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
Maximum Detect		380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
Mean of Detects		18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
St. Dev. of Detects		44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
CV of Detects		2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
% Detected		76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0511-C3BS	0.5 - 1.5 ft	9.5 J	4.6 J	0.61 EMPC-J	27 J	38 J	2.8 J	0.95 J	0.13 J	0.11 J	24 J	7.0 J	0.019 UJ
13B-0511-C3CS	1.5 - 2.5 ft	16	18	1.3 EMPC-J	48	150	7.7	4.8	0.31 J	0.25 J	15	7.7	0.094 J
13B-0511-C3HS	5.95 - 6.95 ft	47	18	0.32 U	110	84	3.2	0.20 J	0.24 J	0.21 J	6.1	1.5	0.10 J
13B-0512-G1AS	0 - 0.5 ft	9.7 J	4.7 J	1.1 J	28 J	35 J	4.2 J	1.3 J	0.049 J	0.11 J	22 J	5.5 J	0.023 UJ
13B-0513-G1AS	0 - 0.5 ft	11 J	21 J	0.29 UJ	43 J	130 J	3.7 J	1.9 J	0.27 J	0.21 J	21 J	7.0 J	0.047 UJ
13B-0514-G1AS	0 - 0.5 ft	9.2 J	4.7 J	1.0 J	27 J	34 J	4.7 J	1.6 J	0.055 J	0.089 J	22 J	5.5 J	0.021 UJ
13B-0515-C1AS	0 - 0.5 ft	2.2	1.2	0.34 J	6.3	8.5	1.5	0.22 J	0.048 U	0.060 J	3.7	1.0	0.012 U
13B-0515-C1BS	0.5 - 1.71 ft	0.023 U	0.011 U	0.034 U	0.026 U	0.13 J	0.040 U	0.032 J	0.013 U	0.015 U	0.075 J	0.012 U	0.017 U
13B-0515-C2CS	1.5 - 2.19 ft	0.018 U	0.043 J	0.027 U	0.054 EMPC-J	0.19 J	0.033 U	0.045 J	0.052 U	0.038 J	0.027 EMPC-J	0.0091 U	0.014 U
13B-0516-C2AS	0 - 0.5 ft	10	4.3	1.5	27	36	3.6	1.2	0.062 J	0.040 U	21	6.6	0.036 U
13B-0516-C2BS	0.5 - 1.5 ft	10 J	7.3 J	1.8 J	26 J	72 J	4.5 J	1.1 J	0.090 J	0.051 EMPC-J	21 J	8.5 J	0.035 UJ
13B-0516-C2CS	1.5 - 2.5 ft	18 J	15 J	1.7 EMPC-J	45 J	180 J	3.4 EMPC-J	1.3 J	0.17 J	0.060 UJ	47 J	19 J	0.069 UJ
13B-0516-C2LS	10.4 - 11.4 ft	39	22	1.5	87	110	3.1	1.8	0.24 J	0.20 J	7.3	3.4	0.042 U
13B-0517-G2AS	0 - 0.5 ft	0.51	0.18 J	0.13 J	1.2	1.4	0.083 U	0.20 J	0.011 U	0.027 U	3.2	0.47 J	0.032 U
13B-0518-G1AS	0 - 0.5 ft	2.7	0.94	0.57	8.2	8.2	1.7	0.35 J	0.014 U	0.030 U	6.0	1.6	0.026 U
13B-0518-G1AT	0 - 0.5 ft	2.1	0.83	4.4	6.5	8.5	12	0.34 U	0.020 EMPC-J	0.076 J	4.9	1.3	0.026 J
13B-0519-C2AS	0 - 0.5 ft	9.7 J	4.2 J	2.4 J	29 J	36 J	3.2 J	1.5 J	0.045 J	0.14 J	24 J	6.6 J	0.034 UJ
13B-0519-C2BS	0.5 - 1.5 ft	6.7	2.8	1.6	18	25	2.4	2.3	0.033 J	0.037 J	13	4.7	0.023 U
13B-0519-C2CS	1.5 - 2.5 ft	27	23	6.1	81	190 J	9.6	7.0	0.25 J	0.21 J	33	13	0.047 U
13B-0519-C2RS	16.1 - 17.1 ft	0.064 U	0.016 U	0.084 U	0.071 U	0.027 U	0.10 U	0.0044 U	0.013 U	0.024 U	0.0065 U	0.0099 U	0.023 U
13B-0520-G1AS	0 - 0.5 ft	8.0 J	3.4 J	0.36 EMPC-J	25 J	28 J	2.0 J	1.7 J	0.051 J	0.082 J	39 J	7.2 J	0.018 UJ
13B-0521-C2AS	0 - 0.5 ft	1.2	0.29 J	0.038 U	4.2	3.0	0.57	0.39	0.067 U	0.11 J	3.2	0.74	0.049 J
13B-0521-C2BS	0.5 - 1.5 ft	1.0	0.21 J	0.025 U	3.0 J	2.3	0.20 J	0.24 J	0.0072 U	0.0083 U	2.6 J	0.65	0.0097 U
13B-0521-C2CS	1.5 - 2.5 ft	2.3	0.69	0.14 J	7.2	6.9	0.82	0.48	0.092 U	0.10 J	7.2	1.7	0.057 J
13B-0521-C2HS	6.5 - 7.63 ft	72 J	54 J	3.6 EMPC-J	220 J	420 J	19 J	20 J	1.0 J	0.85 J	53 J	16 J	0.47 J
13B-0522-G1AS	0 - 0.5 ft	9.1 J	4.2 J	0.96 J	27 J	32 J	3.8 J	1.7 J	0.062 J	0.098 J	22 J	5.7 J	0.018 UJ
13B-0522-G1AT	0 - 0.5 ft	10 J	5.1 J	0.82 J	32 J	38 J	10 J	2.1 J	0.074 J	0.13 J	27 J	6.6 J	0.025 UJ
13B-0523-G2AS	0 - 0.5 ft	13 J	5.9 J	3.2 J	38 J	44 J	3.7 J	1.0 J	0.088 J	0.16 J	23 J	6.2 J	0.034 UJ
13B-0524-C1AS	0 - 0.5 ft	10 J	4.1 J	1.3 J	31 J	38 J	5.4 J	1.4 J	0.062 J	0.081 J	30 J	7.6 J	0.016 UJ
13B-0524-C1BS	0.5 - 1.5 ft	12 J	5.0 J	0.53 J	33 J	41 J	2.5 J	0.76 J	0.060 J	0.11 J	27 J	7.7 J	0.014 UJ
13B-0524-C1CS	1.5 - 2.5 ft	13 J	5.3 J	0.83 J	40 J	46 J	3.4 J	0.96 J	1.2 J	0.35 J	33 J	11 J	0.16 J
13B-0524-C1GS	5.39 - 6.39 ft	21	9.1	1.1 U	54	140	3.9	1.3 J	0.14 J	0.18 J	66	20	0.058 J
13B-0525-C1AS	0 - 0.5 ft	13 J	6.2 J	1.6 J	39 J	49 J	6.5 J	2.1 J	0.064 J	0.10 J	31 J	8.2 J	0.029 UJ
13B-0525-C1BS	0.5 - 1.5 ft	11	5.5	0.60 EMPC-J	29	43	2.6	0.87	0.066 J	0.076 EMPC-J	36	9.6	0.038 J

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DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
Maximum Detect		380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
Mean of Detects		18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
St. Dev. of Detects		44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
CV of Detects		2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
% Detected		76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0525-C1CS	1.5 - 2.5 ft	18 J	7.1 J	1.0 J	32 J	60 J	8.6 J	1.2 J	0.11 J	0.095 J	30 J	11 J	0.017 UJ
13B-0525-C1HS	6.42 - 7.42 ft	18	10	2.0	42	170	4.4	1.1	0.29 J	0.060 U	52	17	0.054 U
13B-0526-C1AS	0 - 0.5 ft	320 J	16 J	1.8 UJ	870 J	160 J	5.1 J	8.1 J	0.23 J	0.36 J	220 J	67 J	0.11 J
13B-0526-C1BS	0.5 - 1.5 ft	35 J	53 J	1.9 UJ	150 J	470 J	11 J	19 J	0.54 J	0.48 J	27 J	14 J	0.18 J
13B-0526-C1CS	1.5 - 2.5 ft	76 J	41 J	1.7 UJ	160 J	380 J	10 J	22 J	0.49 J	0.50 J	54 J	17 J	0.30 J
13B-0526-C1CT	1.5 - 2.5 ft	57 J	35 J	4.5 J	140 J	310 J	6.0 J	19 J	0.34 J	0.32 EMPC-J	41 J	13 J	0.096 UJ
13B-0526-C1HS	6.5 - 7.62 ft	11	3.5	0.12 U	24	19	1.3	0.77	0.019 U	0.023 U	1.5	0.50	0.028 U
13B-0527-C2AS	0 - 0.5 ft	0.63	0.36 J	0.047 U	2.3	3.3	0.83	0.31 J	0.22 J	0.16 J	2.2	0.64	0.097 J
13B-0527-C2BS	0.5 - 1.5 ft	0.033 U	0.014 U	0.046 U	0.038 U	0.15 J	0.059 U	0.076 J	0.048 U	0.043 EMPC-J	0.094 J	0.016 U	0.017 U
13B-0527-C2CS	1.5 - 2.6 ft	0.029 U	0.21 J	0.041 U	0.032 U	0.49	0.047 U	0.069 EMPC-J	0.093 U	0.052 J	0.089 J	0.011 U	0.016 U
13B-0528-C3AS	0 - 0.5 ft	9.4 J	8.3 J	0.93 EMPC-J	36 J	62 J	5.0 J	2.0 J	0.080 J	0.12 J	24 J	6.5 J	0.026 UJ
13B-0528-C3BS	0.5 - 1.5 ft	20 J	50 J	1.6 UJ	130 J	410 J	9.2 EMPC-J	11 J	0.48 J	0.46 J	13 J	12 J	0.16 J
13B-0528-C3CS	1.5 - 2.5 ft	150 J	540 J	2.4 UJ	430 J	1800 J	31 J	1.2 J	1.6 J	1.2 J	9.7 J	4.9 J	0.52 J
13B-0528-C3LS	10.5 - 11.54 ft	0.50 U	0.030 U	0.72 U	0.51 U	1.5 EMPC-J	0.46 U	0.14 U	0.015 U	0.017 U	0.028 U	0.059 U	0.021 U
13B-0529-C2AS	0 - 0.5 ft	8.5	0.80	0.11 U	26	7.4	0.87	0.34 J	0.088 J	0.11 EMPC-J	9.9	1.9	0.10 J
13B-0529-C2BS	0.5 - 1.5 ft	4.9	1.0	0.16 U	13	12	0.19 U	0.14 J	0.082 J	0.030 U	7.2	1.6	0.034 U
13B-0529-C2CS	1.5 - 2.5 ft	0.34 J	0.025 U	0.11 U	0.88	0.72	0.13 U	0.013 U	0.017 U	0.021 U	0.28 J	0.075 J	0.025 U
13B-0529-C2ES	3.5 - 4.2 ft	0.063 U	0.028 U	0.099 U	0.073 U	0.030 U	0.12 U	0.016 U	0.015 U	0.020 U	0.014 U	0.020 U	0.024 U
13B-0530-C1AS	0 - 0.5 ft	2.0	0.67	0.25 EMPC-J	6.0	5.5	0.91	0.44	0.013 U	0.017 U	11	1.2	0.022 U
13B-0530-C1BS	0.5 - 1.5 ft	5.6	4.2	0.28 J	14	41	1.3	0.83	0.058 J	0.046 J	14	6.2	0.022 U
13B-0530-C3CS	1.5 - 1.93 ft	2.7	0.34 J	0.044 U	10	3.2	4.7	0.21 J	0.013 U	0.034 J	2.6	0.72	0.018 U
13B-0531-C2AS	0 - 0.5 ft	1.4	0.31 J	0.041 U	4.2	2.7	0.41 EMPC-J	0.18 J	0.0066 U	0.029 J	2.6	0.67	0.0094 U
13B-0531-C2AT	0 - 0.5 ft	1.6	0.33 J	0.20 J	5.3	2.8	0.64	0.16 J	0.030 J	0.085 J	2.8	0.78	0.056 J
13B-0531-C2BS	0.5 - 1.5 ft	2.0	0.29 J	0.078 EMPC-J	5.4	2.3	0.18 J	0.077 J	0.0074 U	0.023 J	1.5	0.35 J	0.011 U
13B-0531-C2CS	1.5 - 2.5 ft	0.020 U	0.046 J	0.031 U	0.083 EMPC-J	0.13 J	0.035 U	0.015 U	0.0071 U	0.0088 U	0.045 J	0.043 J	0.0098 U
13B-0531-C2ES	3.5 - 4.42 ft	0.023 U	0.011 U	0.034 U	0.024 U	0.015 U	0.039 U	0.033 J	0.039 J	0.026 J	0.061 J	0.013 U	0.027 J
13B-0532-C1AS	0 - 0.5 ft	1.8	0.41	0.24 EMPC-J	5.8	4.7	1.0	0.32 J	0.010 U	0.071 J	3.8	0.98	0.014 U
13B-0532-C1BS	0.5 - 1.5 ft	0.64	0.15 J	0.66	2.0	1.5	2.4	0.14 J	0.0089 U	0.012 U	1.6	0.37 J	0.014 U
13B-0532-C1CS	1.5 - 2.5 ft	0.069 J	0.011 U	0.030 U	0.28 J	0.30 J	0.032 U	0.021 U	0.012 U	0.012 U	0.10 J	0.016 U	0.015 U
13B-0532-C1DS	2.5 - 3.73 ft	0.019 U	0.0085 U	0.027 U	0.020 U	0.014 U	0.031 U	0.0069 U	0.0066 U	0.0090 U	0.0098 U	0.012 U	0.011 U
13B-0533-C2BS	0.5 - 1.5 ft	24 J	61 J	1.0 UJ	130 J	440 J	22 J	14 J	0.53 J	0.52 J	17 J	11 J	0.25 J
13B-0533-C2CS	1.5 - 2.5 ft	170 J	400 J	1.7 UJ	440 J	1100 J	21 J	0.59 J	0.87 J	1.0 J	8.1 J	3.6 J	0.38 J
13B-0533-C3AS	0 - 0.5 ft	13 J	9.0 J	1.4 J	44 J	67 J	68 J	2.5 J	0.17 J	0.17 J	34 J	9.0 J	0.023 UJ
13B-0533-C3AT	0 - 0.5 ft	21 J	12 J	2.1 EMPC-J	66 J	93 J	10 J	2.6 J	0.12 J	0.22 J	52 J	14 J	0.032 UJ

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
Maximum Detect		380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
Mean of Detects		18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
St. Dev. of Detects		44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
CV of Detects		2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
% Detected		76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0533-C3JS	8.5 - 9.35 ft	0.18 J	0.58 J	0.046 UJ	0.60 J	1.6 J	0.065 UJ	0.027 UJ	0.018 UJ	0.024 UJ	0.043 UJ	0.071 UJ	0.027 UJ
13B-0533-C3JT	8.5 - 9.35 ft	0.18 J	0.51	0.035 U	0.74	1.8	0.28 J	0.030 U	0.016 U	0.022 U	0.039 U	0.063 U	0.025 U
13B-0534-C2BS	0.5 - 1.5 ft	27	44	0.54 U	100	200	7.3	0.44	0.47	0.36 J	2.0	1.8	0.17 J
13B-0534-C2CS	1.5 - 2.5 ft	9.8	5.7	0.16 U	29	27	1.4	0.084 U	0.081 J	0.032 U	0.048 U	0.063 U	0.035 U
13B-0534-C2IS	7.5 - 8.59 ft	0.042 U	0.020 U	0.067 U	0.049 U	0.15 J	0.13 U	0.046 U	0.016 U	0.021 U	0.041 U	0.058 U	0.023 U
13B-0534-C3AS	0 - 0.5 ft	9.5 J	42 J	0.31 UJ	40 J	190 J	3.3 J	1.6 J	0.20 J	0.20 J	13 J	5.7 J	0.078 J
13B-0534-C3AT	0 - 0.5 ft	9.6 J	40 J	0.61 EMPC-J	41 J	190 J	3.8 J	1.5 J	0.22 J	0.23 J	12 J	5.6 J	0.085 J
13B-0535-C2AS	0 - 0.5 ft	9.0 J	5.1 J	1.4 J	26 J	38 J	8.0 J	1.1 J	0.086 J	0.15 J	25 J	6.2 J	0.030 J
13B-0535-C2BS	0.5 - 1.5 ft	0.41 EMPC-J	0.16 J	0.13 U	1.2	1.3	0.17 U	0.057 U	0.015 U	0.016 U	0.46	0.15 J	0.017 U
13B-0535-C2CS	1.5 - 2.45 ft	0.037 U	0.012 U	0.059 U	0.038 U	0.15 J	0.063 U	0.093 U	0.015 J	0.013 U	0.032 U	0.015 U	0.012 U
13B-0536-C1AS	0 - 0.5 ft	6.0	2.9	1.5	19	22	6.3	1.4	0.041 J	0.066 J	14	3.6	0.027 U
13B-0536-C1BS	0.5 - 1.5 ft	0.031 U	0.013 U	0.038 U	0.036 U	0.18 U	0.045 U	0.034 EMPC-J	0.016 U	0.026 U	0.020 U	0.029 U	0.027 U
13B-0536-C1CS	1.5 - 2.5 ft	0.028 U	0.017 U	0.047 U	0.035 U	0.020 U	0.083 U	0.070 UJ	0.0086 U	0.034 J	0.024 U	0.041 U	0.013 U
13B-0536-C1FS	4.28 - 5.28 ft	0.33 U	0.023 U	0.14 U	0.35 U	0.16 U	0.99 U	0.24 UJ	0.013 U	0.020 U	0.043 U	0.059 U	0.025 U
13B-0537-C3AS	0 - 0.5 ft	3.0	1.1	0.53	9.0	9.7	1.7	0.74	0.36 J	0.27 J	7.2	1.8	0.13 J
13B-0538-C3AS	0 - 0.5 ft	10 J	73 J	0.63 UJ	59 J	380 J	3.8 J	1.0 UJ	0.29 J	0.16 UJ	7.9 J	10 J	0.16 UJ
13B-0538-C3BS	0.5 - 1.5 ft	24 J	100 J	130 J	77 J	520 J	4.5 UJ	3.1 J	0.47 J	0.34 EMPC-J	22 J	19 J	0.090 UJ
13B-0538-C3CS	1.5 - 2.5 ft	6.3 J	23 J	0.36 UJ	26 J	150 J	2.2 J	1.8 J	0.18 J	0.076 UJ	12 J	9.3 J	0.081 UJ
13B-0538-C3ES	3.5 - 4.8 ft	0.038 U	0.019 U	0.063 U	0.038 U	0.32 J	0.093 U	0.038 U	0.0095 U	0.012 U	0.017 U	0.025 U	0.014 U
13B-0539-C2AS	0 - 0.5 ft	7.7	7.7	0.26 EMPC-J	26	49	1.9	1.2	0.12 J	0.10 U	5.3	1.7	0.017 U
13B-0539-C2AT	0 - 0.5 ft	8.8	9.2	0.57 EMPC-J	30	59	3.1	1.5	0.12 J	0.094 U	6.6	2.0	0.040 J
13B-0539-C3BS	0.5 - 1.5 ft	18	36	0.69 U	50	130	2.3 EMPC-J	0.081 U	0.17 J	0.15 U	0.40 U	0.45	0.11 J
13B-0539-C3CS	1.5 - 2.5 ft	0.10 J	0.088 U	0.062 U	0.050 U	0.40 U	0.15 U	0.10 U	0.015 U	0.020 U	0.036 U	0.045 U	0.021 U
13B-0539-C3HS	6.5 - 7.59 ft	0.018 U	0.0088 U	0.028 U	0.020 U	0.11 U	0.034 U	0.018 U	0.0067 U	0.0092 U	0.035 U	0.018 U	0.010 U
13B-0540-C4AS	0 - 0.5 ft	8.6 J	3.7 J	1.3 J	26 J	34 J	6.8 J	2.8 J	0.063 J	0.11 J	33 J	8.4 J	0.014 UJ
13B-0540-C4BS	0.5 - 1.5 ft	5.7	5.6	0.67 EMPC-J	21	43	2.6	1.5	0.10 J	0.10 J	13	4.2	0.042 J
13B-0540-C4CS	1.5 - 2.5 ft	16 J	37 J	0.51 UJ	76 J	260 J	8.1 J	3.3 J	0.37 J	0.21 J	14 J	8.7 J	0.094 UJ
13B-0540-C4LS	10.3 - 11.25 ft	0.026 U	0.0094 U	0.041 U	0.025 U	0.16 J	0.043 U	0.19 U	0.0071 U	0.017 U	0.084 U	0.018 U	0.010 U
13B-0541-C1AS	0 - 0.5 ft	12 J	8.5 J	0.72 EMPC-J	32 J	59 J	4.6 J	3.8 J	0.087 J	0.13 J	13 J	4.2 J	0.034 EMPC-J
13B-0541-C1BS	0.5 - 1.5 ft	8.2	7.2	0.52 EMPC-J	25	55	2.4	4.9	0.11 J	0.12 J	3.4	2.1	0.051 EMPC-J
13B-0541-C1CS	1.5 - 2.5 ft	17	9.0	0.17 U	44	34	1.9	0.19 U	0.052 J	0.074 J	1.1	0.31 U	0.017 U
13B-0541-C1FS	4.5 - 5.67 ft	0.045 U	0.013 U	0.064 U	0.048 U	0.12 J	0.076 U	0.029 U	0.013 U	0.014 U	0.39 J	0.038 U	0.016 U
13B-0542-C2AS	0 - 0.5 ft	0.18 U	0.054 U	0.25 U	0.57 J	0.56 J	0.42 U	0.25 U	0.060 U	0.075 U	0.36 J	0.14 U	0.081 U
13B-0542-C2BS	0.5 - 1.5 ft	0.013 U	0.027 EMPC-J	0.021 U	0.14 J	0.22 J	0.19 U	0.060 U	0.029 EMPC-J	0.097 J	0.12 J	0.020 U	0.027 EMPC-J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
Maximum Detect		380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
Mean of Detects		18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
St. Dev. of Detects		44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
CV of Detects		2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
% Detected		76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0542-C2CS	1.5 - 2.5 ft	0.020 U	0.016 U	0.033 U	0.023 U	0.17 J	0.21 U	0.013 U	0.0085 U	0.014 EMPC-J	0.053 U	0.022 U	0.011 U
13B-0542-C2HS	6.5 - 7.55 ft	0.069 U	0.088 J	0.10 U	0.076 U	0.12 EMPC-J	0.12 U	0.040 U	0.022 J	0.062 J	0.089 U	0.18 U	0.016 U
13B-0543-G1AS	0 - 0.5 ft	17 J	4.4 J	3.4 J	54 J	45 J	11 J	3.3 J	0.055 J	0.10 J	77 J	15 J	0.038 UJ
13B-0544-C2AS	0 - 0.5 ft	6.6	2.6	0.44	21	23	2.1	0.96	0.088 J	0.12 U	17	4.5	0.071 J
13B-0544-C2BS	0.5 - 1.5 ft	8.6	4.2	0.46	26	30	1.9	0.67	0.068 J	0.087 U	13	4.4	0.050 J
13B-0544-C2CS	1.5 - 2.5 ft	13	4.9	0.99 EMPC-J	39	46	4.0	1.0 J	0.088 J	0.075 U	25	8.7	0.037 J
13B-0544-C2ES	3 - 3.97 ft	3.2	1.8	0.59	7.0	17	1.0	0.24 J	0.040 U	0.035 EMPC-J	6.0	2.4	0.020 U
13B-0546-G2AS	0 - 0.5 ft	2.7	0.30 J	0.37 EMPC-J	9.7	4.4	2.1	0.29 J	0.011 U	0.044 J	7.2	1.5	0.018 U
13B-0547-C2AS	0 - 0.5 ft	11 J	26 J	0.31 UJ	45 J	210 J	6.9 J	9.0 J	0.30 J	0.24 J	7.7 J	6.8 J	0.10 J
13B-0547-C2BS	0.5 - 1.5 ft	25 J	76 J	0.42 UJ	86 J	360 J	9.4 J	0.62 J	0.50 J	0.41 J	6.8 J	4.4 J	0.19 J
13B-0547-C2CS	1.5 - 2.05 ft	0.35 J	0.74	0.055 U	1.5	3.5	0.19 EMPC-J	0.085 J	0.019 U	0.025 U	0.24 J	0.060 U	0.029 U
13B-0547-C2HS	6.5 - 7.15 ft	0.078 U	0.035 U	0.16 U	0.077 U	0.039 U	0.17 U	0.021 U	0.015 U	0.020 U	0.014 U	0.023 U	0.024 U
13B-0547-C5AAS	0 - 0.25 ft	15 J	9.2 J	2.9 J	46 J	69 J	16 J	1.5 J	0.12 J	0.21 J	34 J	9.1 J	0.052 UJ
13B-0547-C5ABS	0.25 - 0.5 ft	14 J	8.3 J	4.6 J	41 J	69 J	9.4 J	1.7 J	0.065 EMPC-J	0.20 J	33 J	9.0 J	0.059 UJ
13B-0547-C5ACS	0.5 - 0.75 ft	13 J	33 J	3.7 J	58 J	290 J	11 J	5.3 J	0.47 J	0.31 EMPC-J	24 J	14 J	0.073 UJ
13B-0547-C5ADS	0.75 - 1 ft	15 J	80 J	1.9 EMPC-J	100 J	710 J	7.9 J	7.8 J	0.69 J	0.98 J	20 J	22 J	0.23 UJ
13B-0547-C5AES	1 - 1.25 ft	20 J	40 J	2.9 J	91 J	370 J	12 J	16 J	0.45 J	0.37 EMPC-J	16 J	14 J	0.14 EMPC-J
13B-0547-C5AFS	1.25 - 1.5 ft	55	73	5.5	200 J	390 J	15	2.5	0.51	0.51	14	6.8	0.19 J
13B-0547-C5AGS	1.5 - 1.75 ft	47 J	150 J	7.7 J	160 J	720 J	24 J	2.6 J	0.77 J	0.69 J	14 J	8.3 J	0.36 J
13B-0547-C5AHS	1.75 - 2 ft	380 J	190	46	1600 J	760 J	410 J	0.59	0.68	0.70	86	29	0.39
13B-0547-C5AIS	2 - 2.25 ft	6.4	27	0.56	26	100	1.6	0.13 J	0.077 J	0.10 J	1.8	0.70	0.028 U
13B-0547-C5AJS	2.25 - 2.5 ft	0.54	0.44	0.093 U	1.9	2.0	0.20 U	0.030 U	0.019 U	0.030 U	0.16 J	0.091 U	0.039 U
13B-0547-C5AKS	2.5 - 2.75 ft	0.21 EMPC-J	0.24 J	0.063 U	0.92	1.4	0.087 U	0.022 U	0.011 U	0.020 U	0.11 J	0.036 U	0.024 U
13B-0547-C5ALS	2.75 - 3 ft	0.46	0.16 J	0.044 U	1.7	0.80	0.059 U	0.061 J	0.0094 U	0.015 U	0.10 J	0.033 U	0.018 U
13B-0548-C1AS	0 - 0.5 ft	7.1	1.8	1.5	20	17	3.2	1.2	0.022 EMPC-J	0.086 U	14	3.7	0.017 U
13B-0548-C1BS	0.5 - 1.5 ft	5.2 J	1.5	1.4	15 J	14 J	1.7	1.4	0.031 EMPC-J	0.052 U	15	3.6	0.018 U
13B-0548-C1BT	0.5 - 1.5 ft	8.9 J	2.9	2.0	27 J	24 J	6.4	1.9	0.035 J	0.080 U	21	5.1	0.019 U
13B-0548-C1CS	1.5 - 2.5 ft	2.3 J	2.3	0.53	4.9 J	23	0.53 EMPC-J	0.30 J	0.037 J	0.038 U	5.0 J	2.5 J	0.020 U
13B-0548-C1IS	7.5 - 8.79 ft	0.061 U	0.022 U	0.079 U	0.066 U	0.024 U	0.089 U	0.012 U	0.011 U	0.020 U	0.0072 U	0.010 U	0.020 U
13B-0549-C2AS	0 - 0.5 ft	0.80	0.36	0.15 EMPC-J	2.4	3.3	0.65	0.21 J	0.0082 U	0.023 U	2.9	0.70	0.011 U
13B-0549-C3BS	0.5 - 1.5 ft	0.029 U	0.016 U	0.045 U	0.032 U	0.014 U	0.073 U	0.026 U	0.0096 U	0.012 U	0.017 U	0.026 U	0.013 U
13B-0549-C3CS	1.5 - 2.65 ft	0.061 U	0.029 U	0.10 U	0.084 U	0.028 U	0.23 U	0.013 U	0.0090 U	0.015 U	0.024 U	0.050 U	0.015 U
13B-0550-C3AS	0 - 0.5 ft	5.3 J	2.1 J	0.69 J	17 J	20 J	3.2 J	1.7 J	0.032 J	0.052 J	25 J	6.0 J	0.017 UJ
13B-0550-C3BS	0.5 - 1.5 ft	1.5	1.1	0.15 EMPC-J	5.0	7.5	0.46	0.21 J	0.013 U	0.014 U	3.9	1.3	0.016 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**
Analyte		**2,4'-DDD**	**2,4'-DDE**	**2,4'-DDT**	**4,4'-DDD**	**4,4'-DDE**	**4,4'-DDT**	**Aldrin**	**alpha-BHC**	**beta-BHC**	**cis-Chlordane**	**cis-Nonachlor**	**delta-BHC**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**0.069**	**0.027**	**0.078**	**0.054**	**0.051**	**0.1**	**0.011**	**0.015**	**0.014**	**0.025**	**0.035**	**0.026**
Maximum Detect		**380**	**1400**	**130**	**1600**	**3900**	**650**	**24**	**2.2**	**2.2**	**220**	**67**	**0.94**
Mean of Detects		**18.9**	**29.4**	**3.42**	**58.5**	**115**	**12.1**	**2.30**	**0.219**	**0.216**	**16.7**	**5.96**	**0.153**
St. Dev. of Detects		**44.0**	**124**	**13.7**	**147**	**343**	**58.3**	**4.30**	**0.296**	**0.266**	**21.7**	**6.86**	**0.175**
CV of Detects		**2.32**	**4.23**	**3.99**	**2.52**	**2.98**	**4.83**	**1.87**	**1.35**	**1.23**	**1.30**	**1.15**	**1.15**
% Detected		**76.2**	**77.4**	**45.6**	**79.8**	**87.1**	**69.4**	**71.0**	**60.5**	**60.1**	**81.9**	**73.8**	**28.6**
Sample ID	**Depth Interval**												
13B-0550-C3CS	1.5 - 2.5 ft	0.022 U	0.034 U	0.028 U	0.067 EMPC-J	0.37 U	0.030 U	0.036 EMPC-J	0.013 U	0.016 U	0.027 U	0.024 U	0.019 U
13B-0550-C3FS	4.5 - 5.37 ft	0.050 U	0.089 U	0.070 U	0.30 J	1.6	0.067 U	0.026 U	0.020 U	0.023 U	0.047 U	0.039 U	0.029 U
13B-0551-C2AS	0 - 0.5 ft	12	2.2	0.11 U	40	20	1.7	1.0	0.096 J	0.26 J	38	8.2	0.19 J
13B-0552-C3AS	0 - 0.5 ft	8.1 J	4.0 J	1.2 J	28 J	34 J	16 J	1.2 J	0.060 J	0.12 J	26 J	6.7 J	0.044 J
13B-0552-C3BS	0.5 - 1.5 ft	7.7	6.9	0.31 U	18	67	2.6	1.1 U	0.10 J	0.093 U	21	10	0.047 U
13B-0552-C3CS	1.5 - 2.38 ft	11	19	0.80 U	42	130	2.7	2.0 U	0.22 J	0.16 U	11	4.6	0.081 U
13B-0552-C3CT	1.5 - 2.38 ft	13	19	0.89	46	140	4.1	2.6 J	0.20 J	0.22 J	12	4.9	0.086 J
13B-0553-C2AS	0 - 0.5 ft	1.7	0.75	0.22 EMPC-J	5.3	7.4	1.2	0.41	0.013 U	0.026 J	6.6	1.9	0.016 U
13B-0553-C2BS	0.5 - 1.5 ft	0.025 U	0.011 U	0.038 U	0.026 U	0.17 J	0.053 U	0.017 U	0.0083 U	0.011 U	0.080 U	0.023 U	0.013 U
13B-0553-C2CS	1.5 - 2.5 ft	0.17 U	0.17 J	0.25 U	0.18 U	0.35 J	0.39 U	0.14 U	0.069 U	0.077 U	0.034 U	0.32 U	0.084 U
13B-0553-C2DS	2.5 - 3.5 ft	0.19 U	0.077 U	0.23 U	0.19 U	0.091 U	0.51 U	0.17 U	0.069 U	0.089 U	0.047 U	0.14 U	0.098 U
13B-0554-C1BS	0.5 - 1.5 ft	8.7	4.3	0.59	26	33	2.9	0.72 J	0.085 J	0.14 J	20	5.7	0.057 J
13B-0554-C1CS	1.5 - 2.5 ft	8.1	3.4	0.65	21	41	3.2	0.54 J	0.073 J	0.059 J	30	9.3	0.011 U
13B-0554-C1ES	3.5 - 4.7 ft	0.014 U	0.0067 U	0.021 U	0.14 J	0.23 J	0.12 J	0.091 J	0.070 J	0.21 J	0.13 J	0.014 U	0.084 J
13B-0554-C4AS	0 - 0.5 ft	8.7 J	2.6	0.48 EMPC-J	18 J	21	2.2 EMPC-J	0.94	0.045 EMPC-J	0.043 EMPC-J	50 J	10 J	0.020 U
13B-0555-C1AS	0 - 0.5 ft	19 J	28 J	1.1 UJ	96 J	250 J	6.1 J	24 J	0.37 J	0.49 J	18 J	8.6 J	0.20 UJ
13B-0555-C1BS	0.5 - 1.22 ft	13	27	0.82 U	150	170	6.9	5.5	0.47 J	0.40 J	5.5	3.6	0.14 U
13B-0555-C2CS	1.5 - 2 ft	33 J	41 J	1.3 UJ	110 J	380 J	9.9 J	21 J	0.55 J	0.59 J	32 J	14 J	0.18 UJ
13B-0555-C2DS	2 - 3 ft	19 J	27 J	0.93 UJ	180 J	180 J	4.2 J	6.1 J	0.11 UJ	0.39 J	8.2 J	4.1 J	0.16 UJ
13B-0556-C2AS	0 - 0.5 ft	6.4 J	2.9 J	0.91 J	21 J	33 J	4.2 J	1.0 J	0.25 J	0.22 J	31 J	7.7 J	0.13 J
13B-0556-C2BS	0.5 - 1.5 ft	5.8	2.2	1.3	18	26	4.1 J	0.74 J	0.079 J	0.11 J	30	7.9	0.042 J
13B-0556-C2CS	1.5 - 2.38 ft	4.4	1.3	0.39 EMPC-J	12	14	1.8	0.40	0.059 J	0.064 J	39	5.7	0.032 J
13B-0557-C2AS	0 - 0.5 ft	7.5 J	1.9 J	1.3 J	22 J	29 J	5.8 J	1.3 J	0.13 J	0.092 EMPC-J	35 J	12 J	0.034 UJ
13B-0557-C2BS	0.5 - 1.5 ft	7.1 J	1.9 J	0.75 J	19 J	31 J	3.7 J	1.3 J	0.077 J	0.052 EMPC-J	39 J	13 J	0.027 UJ
13B-0557-C2CS	1.5 - 2.5 ft	12	4.6	0.21 U	29	57	2.8 EMPC-J	1.2	0.13 J	0.14 J	49	18	0.14 J
13B-0557-C2ES	3.5 - 4.5 ft	11	6.1	0.18 U	30	48	2.0	1.2	0.13 J	0.12 J	17	5.6	0.057 EMPC-J
13B-0558-C2AS	0 - 0.5 ft	3.7 J	1.3 J	0.72 J	10 J	16 J	3.0 J	0.85 J	0.016 UJ	0.042 EMPC-J	16 J	5.3 J	0.025 UJ
13B-0558-C2BS	0.5 - 1.5 ft	1.4	0.40	0.046 U	3.7	4.0	0.22 J	0.18 U	0.011 U	0.043 J	3.6	1.2	0.016 U
13B-0558-C2CS	1.5 - 2.5 ft	0.048 U	0.023 U	0.057 U	0.054 U	0.16 U	0.068 U	0.022 U	0.019 U	0.048 U	0.12 U	0.041 U	0.045 U
13B-0558-C2FS	4.5 - 5.75 ft	0.040 U	0.021 U	0.054 U	0.041 U	0.028 U	0.061 U	0.012 U	0.018 U	0.025 U	0.97	0.11 U	0.026 U
13B-0559-C3AS	0 - 0.5 ft	3.5	1.2	0.48	9.7	12	3.8	0.48	0.019 U	0.023 U	11	3.2	0.027 U
13B-0559-C3BS	0.5 - 1.5 ft	4.7	2.1	1.0	12	27	3.6	0.99	0.060 J	0.048 J	21	8.9	0.023 U
13B-0559-C3CS	1.5 - 2.5 ft	6.4	4.0	0.74	15	58	3.1	0.83	0.16 J	0.073 J	33	14	0.028 U
13B-0559-C3GS	5.5 - 6 ft	19	3.6	0.82	55	39	3.4	1.9	0.11 J	0.12 J	43	11	0.029 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
Maximum Detect		380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
Mean of Detects		18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
St. Dev. of Detects		44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
CV of Detects		2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
% Detected		76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0560-C1AS	0 - 0.5 ft	2.7	0.56 EMPC-J	0.24 U	6.3	5.9	0.26 U	0.68	0.30 J	0.17 J	6.7	1.6	0.087 EMPC-J
13B-0560-C1BS	0.5 - 1.5 ft	6.2	2.3	1.2 EMPC-J	19	22	5.7	0.77	0.12 J	0.18 J	16	4.9	0.074 J
13B-0560-C1CS	1.5 - 2.5 ft	8.8 J	1.9 J	2.0 J	25 J	26 J	6.3 J	1.2 J	0.070 J	0.068 J	42 J	12 J	0.028 UJ
13B-0560-C1GS	5.14 - 5.86 ft	0.064 U	0.053 U	0.10 U	0.073 U	0.064 U	0.12 U	0.014 U	0.0087 U	0.011 U	0.025 J	0.016 U	0.014 U
13B-0561-C1AS	0 - 0.5 ft	36	17	11	110	200 J	45	13	0.32 J	0.35 J	23	6.8	0.21 J
13B-0561-C1BS	0.5 - 1.5 ft	23	8.2	1.1 EMPC-J	66	83	7.1	11	0.26 J	0.29 J	10	3.2	0.12 J
13B-0561-C1CS	1.5 - 2.5 ft	31	5.6	1.5 EMPC-J	120	45	7.1	0.67	0.21 J	0.29 J	5.2	1.1	0.14 J
13B-0561-C1GS	5.5 - 6.5 ft	0.094 U	0.035 U	0.13 U	0.099 U	0.042 U	0.14 U	0.12 J	0.017 U	0.022 U	0.015 U	0.019 U	0.026 U
13B-0562-G2AS	0 - 0.5 ft	2.3	0.35	0.48 EMPC-J	7.3	6.3	2.7	0.51	0.047 J	0.086 J	15	2.8	0.019 U
13B-0563-C1AS	0 - 0.5 ft	1.7	0.25 J	0.16 EMPC-J	4.7	2.7	0.82	0.29 J	0.060 J	0.084 J	4.8	1.0	0.017 U
13B-0563-C1AT	0 - 0.5 ft	1.1	0.045 U	0.038 U	3.3	2.3	0.77	0.28 J	0.049 J	0.062 J	3.9	0.95	0.019 U
13B-0563-C2BS	0.5 - 1.1 ft	0.43	0.035 U	0.023 U	1.3	1.1	0.10 J	0.16 J	0.0082 U	0.011 U	1.1	0.28 J	0.013 U
13B-0563-C2CS	1.1 - 2.5 ft	4.3 J	0.76 J	0.038 UJ	14 J	7.9 J	0.81 J	0.081 EMPC-J	0.68 J	0.26 J	0.68 J	0.21 J	0.79 J
13B-0563-C2IS	7.5 - 8.28 ft	5.1	0.86	0.089 U	17	9.1	0.94	0.088 J	0.77	0.30 J	0.79	0.25 J	0.94
13B-0564-G2AS	0 - 0.5 ft	11 J	6.5 J	3.5 J	32 J	52 J	17 J	1.3 J	0.10 J	0.13 J	31 J	7.9 J	0.025 UJ
13B-0565-G1AS	0 - 0.5 ft	3.2	1.2	0.72 EMPC-J	9.6	10	5.2	0.27 J	0.055 J	0.11 J	9.6	2.5	0.017 U
13B-0566-G3AS	0 - 0.5 ft	1.5	0.58	0.43 EMPC-J	4.4	4.8	2.1	0.12 J	0.010 U	0.081 J	2.9	0.74	0.017 U
13B-0567-G2AS	0 - 0.5 ft	14 J	6.9 J	0.61 J	42 J	51 J	2.4 J	2.7 J	0.13 J	0.17 J	33 J	8.8 J	0.027 UJ
13B-0568-G2AS	0 - 0.5 ft	21 J	27 J	1.4 EMPC-J	50 J	150 J	7.0 J	5.4 J	0.31 J	0.30 J	7.6 J	5.0 J	0.092 J
13B-0571-C3AS	0 - 0.5 ft	2.5 J	0.81 J	0.17 UJ	7.8 J	9.2 J	2.7 J	0.57 J	0.025 UJ	0.032 UJ	35 J	5.2 J	0.035 UJ
13B-0571-C3BS	0.5 - 1.5 ft	1.3 EMPC-J	0.38 J	0.18 U	3.6 EMPC-J	3.2	0.74 EMPC-J	0.36 J	0.029 U	0.034 U	63	4.9	0.038 U
13B-0571-C3CS	1.5 - 2.5 ft	0.11 U	0.032 U	0.16 U	0.12 U	0.20 U	0.20 U	0.023 U	0.023 U	0.029 U	7.8	1.2	0.032 U
13B-0571-C3MS	11 - 12 ft	0.041 U	0.013 U	0.059 U	0.049 U	0.022 U	0.073 U	0.037 U	0.0070 U	0.024 U	0.22 J	0.017 U	0.020 U
13B-0572-C1AS	0 - 0.5 ft	0.43	0.086 J	0.047 U	0.90	0.88	0.23 J	0.079 J	0.0085 U	0.012 U	0.90	0.22 J	0.014 U
13B-0572-C1BS	0.5 - 1.5 ft	0.092 U	0.047 U	0.14 U	0.11 U	0.041 U	0.31 U	0.026 U	0.019 U	0.027 U	0.043 U	0.056 U	0.033 U
13B-0572-C1CS	1.5 - 2.27 ft	0.14 U	0.087 U	0.20 U	0.15 U	0.052 U	0.38 U	0.041 U	0.031 U	0.051 U	0.051 U	0.069 U	0.061 U
13B-0573-C2AS	0 - 0.5 ft	3.7	0.39	0.076 U	12	5.2	0.56 EMPC-J	0.50	0.037 J	0.016 U	8.7	2.3	0.018 U
13B-0573-C2BS	0.5 - 1.5 ft	1.9	0.45	0.14 U	5.6	4.9	0.16 U	0.49	0.028 EMPC-J	0.070 EMPC-J	6.8	1.7	0.049 EMPC-J
13B-0573-C2CS	1.5 - 2.5 ft	2.0	1.6	0.14 U	5.6	15	0.64 EMPC-J	0.45	0.015 EMPC-J	0.045 J	3.6	1.4	0.020 U
13B-0573-C2DS	2.5 - 3.75 ft	0.099 U	0.026 U	0.14 U	0.11 U	0.13 J	0.16 U	0.0091 U	0.014 U	0.018 U	0.014 U	0.015 U	0.021 U
13B-0574-C2AS	0 - 0.5 ft	9.2	3.5	0.37 U	30	27	650 J	1.0	0.093 J	0.088 J	7.3	2.0	0.063 J
13B-0574-C2BS	0.5 - 1.5 ft	26	6.0 J	1.4 EMPC-J	67	42 J	15 J	2.0 J	0.19 J	0.25 J	14	2.4 J	0.092 EMPC-J
13B-0574-C2CS	1.5 - 2.5 ft	8.6	5.4	0.16 U	24	36	1.5	1.4	0.11 J	0.22 J	6.0	1.6	0.11 J
13B-0574-C2HS	6.4 - 7.4 ft	6.8	4.6	0.23 U	31	35	3.0	1.4	0.022 U	0.090 J	5.0	1.5	0.068 J

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DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane	cis-Nonachlor	delta-BHC
	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.069	0.027	0.078	0.054	0.051	0.1	0.011	0.015	0.014	0.025	0.035	0.026
	Maximum Detect	380	1400	130	1600	3900	650	24	2.2	2.2	220	67	0.94
	Mean of Detects	18.9	29.4	3.42	58.5	115	12.1	2.30	0.219	0.216	16.7	5.96	0.153
	St. Dev. of Detects	44.0	124	13.7	147	343	58.3	4.30	0.296	0.266	21.7	6.86	0.175
	CV of Detects	2.32	4.23	3.99	2.52	2.98	4.83	1.87	1.35	1.23	1.30	1.15	1.15
	% Detected	76.2	77.4	45.6	79.8	87.1	69.4	71.0	60.5	60.1	81.9	73.8	28.6
Sample ID	Depth Interval												
13B-0575-C4AS	0 - 0.5 ft	7.6 J	26 J	1.3 UJ	41 J	180 J	2.5 UJ	1.4 UJ	0.22 J	0.18 UJ	17 J	6.9 J	0.099 UJ
13B-0575-C4BS	0.5 - 1.5 ft	15	12	1.4	56	100	5.5	3.8 J	0.12 J	0.12 J	6.2	2.9	0.096 J
13B-0575-C4CS	1.5 - 2.5 ft	0.024 U	0.010 U	0.033 U	0.21 U	0.30 U	0.039 U	0.15 U	0.019 J	0.0091 U	0.070 U	0.047 U	0.010 U
13B-0575-C4FS	4.3 - 5.44 ft	0.024 U	0.010 U	0.034 U	0.14 U	0.19 U	0.14 U	0.047 U	0.049 J	0.028 U	0.050 U	0.016 U	0.011 U
13B-0577-G1AS	0 - 0.5 ft	11 J	1.9 J	4.1 J	34 J	26 J	19 J	0.67 J	0.047 J	0.092 J	51 J	10 J	0.011 UJ
13B-0578-C5AS	0 - 0.5 ft	0.65	0.18 J	0.19 J	2.5	1.6	0.36 J	0.071 EMPC-J	0.0087 U	0.025 U	0.94	0.28 J	0.026 U
13B-0578-C5BS	0.5 - 1.5 ft	4.0	0.83	0.14 EMPC-J	6.9 J	5.5	0.15 J	0.19 J	0.010 U	0.024 U	1.5	0.33 EMPC-J	0.024 U
13B-0578-C5CS	1.5 - 2.5 ft	0.044 U	0.022 U	0.056 U	0.050 U	0.025 U	0.094 U	0.029 U	0.011 U	0.027 U	0.047 U	0.071 U	0.036 U
13B-0578-C5CT	1.5 - 2.5 ft	0.044 U	0.017 U	0.054 U	0.052 U	0.077 J	0.091 U	0.015 U	0.011 U	0.028 U	0.039 U	0.071 U	0.032 U
13B-0578-C5GS	5.25 - 6.25 ft	0.061 U	0.050 U	0.083 U	0.064 U	0.029 U	0.10 U	0.012 U	0.014 U	0.024 U	0.010 U	0.035 J	0.024 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0501-C1AS	0 - 0.5 ft	1.8	0.044 U	0.45	0.067 J	0.023 U	0.016 U	0.020 U	0.015 U	0.028 EMPC-J	0.41	0.92 U
13B-0501-C1BS	0.5 - 1.5 ft	1.1	0.059 U	0.18 J	0.032 J	0.033 U	0.023 U	0.028 U	0.039 J	0.012 J	0.12 J	0.60 U
13B-0501-C1CS	1.5 - 2.5 ft	6.6	0.057 U	0.074 U	0.0080 U	0.032 U	0.023 U	0.00076 U	0.058 J	0.0045 U	0.073 J	1.0 U
13B-0501-C1DS	2.5 - 3.07 ft	0.087 J	0.055 U	0.10 U	0.011 U	0.054 U	0.036 U	0.044 U	0.018 U	0.0045 U	0.0093 U	0.76 U
13B-0502-C2AS	0 - 0.5 ft	0.66	0.041 U	0.074 U	0.019 J	0.035 U	0.023 U	0.019 U	0.018 U	0.010 EMPC-J	0.13 J	0.60 U
13B-0502-C2BS	0.5 - 1.5 ft	1.6	0.091 U	0.098 U	0.023 EMPC-J	0.040 U	0.025 U	0.019 U	0.054 U	0.028 EMPC-J	0.041 J	1.0 U
13B-0502-C2CS	1.5 - 2.45 ft	7.5	0.23 U	0.20 U	0.022 U	0.082 U	0.039 U	0.027 U	0.11 U	0.011 U	0.13 J	2.9
13B-0503-C1AS	0 - 0.5 ft	0.29 J	0.029 U	0.038 U	0.023 J	0.012 U	0.012 U	0.012 U	0.031 U	0.015 EMPC-J	0.097 J	0.40 U
13B-0503-C1BS	0.5 - 1.5 ft	0.014 U	0.039 U	0.056 U	0.0053 U	0.019 U	0.021 U	0.022 U	0.017 U	0.0060 U	0.0099 U	0.26 U
13B-0503-C1CS	1.5 - 2.5 ft	0.032 J	0.024 U	0.034 U	0.013 J	0.011 U	0.014 U	0.012 U	0.033 U	0.0034 U	0.0062 U	0.25 U
13B-0503-C1DS	2.5 - 2.5 ft	0.012 U	0.030 U	0.050 U	0.0052 U	0.015 U	0.028 U	0.019 U	0.013 U	0.0039 U	0.0068 U	0.24 U
13B-0504-C4AS	0 - 0.5 ft	1.9 J	0.48 UJ	0.49 UJ	0.068 UJ	0.25 UJ	0.19 UJ	0.17 UJ	0.14 UJ	0.049 UJ	0.064 UJ	21 J
13B-0504-C4BS	0.5 - 1.5 ft	0.25 UJ	0.57 UJ	0.64 UJ	0.091 UJ	0.31 UJ	0.23 UJ	0.20 UJ	0.37 J	0.065 UJ	0.086 UJ	66 J
13B-0504-C4CS	1.5 - 2.5 ft	0.17 EMPC-J	0.19 U	0.19 U	0.025 U	0.10 U	0.054 U	0.037 U	0.19 J	0.014 U	0.012 U	17
13B-0504-C4KS	9.5 - 10.25 ft	0.045 U	0.079 U	0.12 U	0.013 U	0.058 U	0.035 U	0.023 U	0.019 U	0.0065 U	0.0090 U	0.58 U
13B-0505-C1AS	0 - 0.5 ft	6.1 J	0.093 UJ	0.86 J	0.21 J	0.051 UJ	0.037 UJ	0.093 J	0.092 J	0.10 J	1.8 J	3.0 J
13B-0505-C1BS	0.5 - 1.5 ft	0.54	0.066 U	0.088 U	0.092 U	0.044 U	0.032 U	0.17 J	0.035 U	0.031 J	0.10 J	0.62 U
13B-0505-C1CS	1.5 - 2.5 ft	1.2	65	0.13 U	0.012 U	0.26 J	0.11 EMPC-J	0.033 U	0.060 J	0.0068 U	0.051 J	2.5
13B-0505-C1FS	4.5 - 5.2 ft	0.080 J	0.027 U	0.056 U	0.022 U	0.028 U	0.018 U	0.021 U	0.018 U	0.0089 EMPC-J	0.024 J	0.20 U
13B-0506-C2AS	0 - 0.5 ft	2.5	0.093 U	0.50	0.066 EMPC-J	0.051 U	0.048 U	0.063 U	0.029 U	0.041 J	0.67	1.3
13B-0506-C2BS	0.5 - 1.5 ft	0.081 U	0.053 U	0.068 U	0.0073 U	0.18 UJ	0.020 U	0.038 U	0.033 U	0.010 U	0.014 U	0.32 U
13B-0506-C2CS	1.5 - 2.5 ft	0.055 U	0.025 U	0.035 U	0.014 EMPC-J	0.038 U	0.018 U	0.021 U	0.019 U	0.0041 U	0.0065 U	0.19 U
13B-0507-C2AS	0 - 0.5 ft	0.093 EMPC-J	0.050 U	0.073 U	0.0090 U	0.082 U	0.027 U	0.033 U	0.022 U	0.0095 U	0.0095 U	0.29 U
13B-0507-C2BS	0.5 - 1.5 ft	0.040 J	0.045 J	0.029 U	0.0091 J	0.023 EMPC-J	0.014 U	0.015 U	0.043 J	0.025 J	0.028 J	0.25 U
13B-0507-C2CS	1.5 - 2.5 ft	0.028 EMPC-J	0.020 U	0.027 U	0.0028 U	0.0093 U	0.014 U	0.016 U	0.041 J	0.0028 U	0.0043 U	0.25 U
13B-0507-C2DS	2.5 - 3.5 ft	0.0094 U	0.020 U	0.032 U	0.0035 U	0.014 U	0.014 U	0.020 U	0.032 J	0.0030 U	0.0058 U	0.23 U
13B-0508-G3AS	0 - 0.5 ft	0.45	0.27 J	0.37	0.21 J	0.031 U	0.25 J	0.50	0.016 U	0.054 J	0.21 J	0.87
13B-0509-C1AS	0 - 0.5 ft	3.6	0.11 U	0.40	0.050 U	0.060 U	0.032 U	0.047 U	0.10 U	0.0073 U	0.17 J	10
13B-0509-C1BS	0.5 - 1.5 ft	1.0	0.045 U	0.073 U	0.0089 U	0.045 U	0.025 U	0.025 U	0.061 U	0.036 J	0.035 J	1.8
13B-0509-C1CS	1.5 - 2.5 ft	0.047 U	0.075 U	0.15 U	0.019 U	0.064 U	0.026 U	0.045 U	0.023 U	0.012 U	0.0045 U	1.4
13B-0509-C1ES	3.17 - 4.17 ft	0.040 U	0.21 U	0.29 U	0.036 U	0.21 U	0.084 U	0.12 U	0.059 U	0.020 U	0.021 U	3.0 U
13B-0510-C3AS	0 - 0.5 ft	1.0	0.083 U	0.41	0.073 U	0.035 U	0.032 U	0.028 U	0.081 EMPC-J	0.035 J	0.20 J	3.1
13B-0510-C3BS	0.5 - 1.9 ft	0.13 J	0.045 U	0.068 U	0.0073 U	0.028 U	0.028 U	0.029 U	0.019 U	0.0070 U	0.039 J	0.53 U
13B-0511-C3AS	0 - 0.5 ft	5.9 J	0.11 UJ	0.89 J	0.18 J	0.056 UJ	0.045 UJ	0.041 UJ	0.11 J	0.039 J	1.3 J	3.4 J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**
Analyte		**Dieldrin**	**Endosulfan I**	**Endosulfan II**	**Endosulfan Sulfate**	**Endrin**	**Endrin aldehyde**	**Endrin ketone**	**gamma-BHC (Lindane)**	**Heptachlor**	**Heptachlor Epoxide**	**Hexachlorobenzene**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**0.027**	**0.045**	**0.11**	**0.0091**	**0.023**	**0.061**	**0.041**	**0.027**	**0.0065**	**0.012**	**0.83**
Maximum Detect		**270**	**65**	**18**	**4.4**	**0.28**	**1.2**	**1.8**	**1.9**	**6.5**	**16**	**210**
Mean of Detects		**13.3**	**9.38**	**0.995**	**0.229**	**0.130**	**0.248**	**0.292**	**0.178**	**0.175**	**0.639**	**13.7**
St. Dev. of Detects		**37.2**	**22.7**	**2.13**	**0.514**	**0.0877**	**0.288**	**0.377**	**0.238**	**0.670**	**1.48**	**29.8**
CV of Detects		**2.80**	**2.42**	**2.14**	**2.25**	**0.673**	**1.16**	**1.29**	**1.34**	**3.84**	**2.31**	**2.18**
% Detected		**79.8**	**2.82**	**29.4**	**31.0**	**3.63**	**6.45**	**11.7**	**43.1**	**53.2**	**64.5**	**24.7**
Sample ID	**Depth Interval**											
13B-0511-C3BS	0.5 - 1.5 ft	1.1 J	0.13 UJ	0.13 UJ	0.018 UJ	0.062 UJ	0.037 UJ	0.038 UJ	0.13 J	0.083 J	0.26 J	1.7 J
13B-0511-C3CS	1.5 - 2.5 ft	14	0.17 U	0.24 U	0.028 U	0.12 U	0.085 U	0.062 U	0.18 J	0.077 J	0.18 J	15
13B-0511-C3HS	5.95 - 6.95 ft	0.66	0.13 U	0.14 U	0.017 U	0.071 U	0.052 U	0.048 U	0.13 J	0.034 J	0.0092 U	5.5
13B-0512-G1AS	0 - 0.5 ft	5.5 J	0.10 UJ	0.86 J	0.17 J	0.053 UJ	0.038 UJ	0.031 UJ	0.022 UJ	0.096 J	1.6 J	3.1 J
13B-0513-G1AS	0 - 0.5 ft	8.6 J	0.24 UJ	0.48 EMPC-J	0.15 J	0.10 UJ	0.056 UJ	0.072 UJ	0.095 J	0.073 EMPC-J	1.0 J	30 J
13B-0514-G1AS	0 - 0.5 ft	4.5 J	0.082 UJ	0.65 J	0.15 J	0.037 UJ	0.028 UJ	0.041 J	0.039 J	0.083 J	0.77 J	40 J
13B-0515-C1AS	0 - 0.5 ft	1.5	0.042 U	0.20 J	0.058 U	0.029 U	0.021 U	0.017 U	0.037 J	0.031 J	0.56	0.68 U
13B-0515-C1BS	0.5 - 1.71 ft	0.040 EMPC-J	0.026 U	0.035 U	0.016 U	0.026 U	0.021 U	0.018 U	0.016 U	0.0046 U	0.041 J	0.23 U
13B-0515-C2CS	1.5 - 2.19 ft	0.079 J	0.018 U	0.035 U	0.031 U	0.014 U	0.016 U	0.018 U	0.045 J	0.0099 U	0.033 J	0.20 U
13B-0516-C2AS	0 - 0.5 ft	3.9	0.12 U	0.46	0.14 J	0.085 U	0.046 U	0.036 U	0.024 U	0.063 J	0.93	2.2
13B-0516-C2BS	0.5 - 1.5 ft	0.97 J	0.13 UJ	0.25 UJ	0.028 UJ	0.079 UJ	0.051 UJ	0.046 UJ	0.072 J	0.074 J	0.13 UJ	1.9 UJ
13B-0516-C2CS	1.5 - 2.5 ft	5.0 J	0.26 UJ	0.29 UJ	0.042 UJ	0.10 UJ	0.081 UJ	0.12 UJ	0.11 J	0.20 J	0.15 UJ	4.7 J
13B-0516-C2LS	10.4 - 11.4 ft	120	0.13 U	0.18 U	0.021 U	0.13 U	0.054 U	0.042 U	0.091 J	0.011 U	0.0062 U	3.2
13B-0517-G2AS	0 - 0.5 ft	8.3	0.11 U	0.48 U	0.34 J	0.095 U	0.057 U	0.11 EMPC-J	0.016 U	0.012 J	0.32 J	0.30 U
13B-0518-G1AS	0 - 0.5 ft	1.7	0.072 U	0.35 J	0.059 J	0.049 U	0.030 U	0.027 U	0.018 U	0.054 J	0.47	0.89 U
13B-0518-G1AT	0 - 0.5 ft	1.2	0.041 U	0.22 J	0.049 J	0.054 U	0.020 U	0.019 U	0.030 J	0.043 J	0.37	0.73 U
13B-0519-C2AS	0 - 0.5 ft	5.2 J	0.20 UJ	1.0 J	0.19 J	0.084 UJ	0.055 UJ	0.047 UJ	0.047 J	0.069 J	1.2 J	2.0 J
13B-0519-C2BS	0.5 - 1.5 ft	0.86	0.18 U	0.20 U	0.020 U	0.093 U	0.046 U	0.042 U	0.042 J	0.044 J	0.093 J	1.1 U
13B-0519-C2CS	1.5 - 2.5 ft	27	0.54 U	0.29 U	0.046 U	0.14 U	0.086 U	0.12 U	0.53	0.016 U	0.096 J	6.9
13B-0519-C2RS	16.1 - 17.1 ft	0.0098 U	0.018 U	0.028 U	0.0028 U	0.022 U	0.015 U	0.017 U	0.017 U	0.0029 U	0.0048 U	0.24 U
13B-0520-G1AS	0 - 0.5 ft	2.8 J	0.086 UJ	1.6 J	0.066 UJ	0.050 UJ	0.025 UJ	0.026 UJ	0.038 J	0.11 J	1.3 J	1.8 J
13B-0521-C2AS	0 - 0.5 ft	0.52	0.052 U	0.066 U	0.073 U	0.041 U	0.025 U	0.018 U	0.058 J	0.026 J	0.18 J	0.40 U
13B-0521-C2BS	0.5 - 1.5 ft	0.24 J	0.038 U	0.14 J	0.025 U	0.023 U	0.019 U	0.020 U	0.0095 U	0.011 J	0.063 J	0.29 U
13B-0521-C2CS	1.5 - 2.5 ft	0.65	0.061 U	0.075 U	0.072 U	0.038 U	0.025 U	0.026 U	0.077 J	0.034 EMPC-J	0.17 J	1.5
13B-0521-C2HS	6.5 - 7.63 ft	160 J	0.66 UJ	0.67 UJ	0.078 UJ	0.37 UJ	0.30 UJ	0.17 UJ	0.73 J	0.035 UJ	0.43 J	26 J
13B-0522-G1AS	0 - 0.5 ft	5.4 J	0.083 UJ	0.92 J	0.20 J	0.045 UJ	0.025 UJ	0.029 UJ	0.037 J	0.095 J	1.1 J	2.8 J
13B-0522-G1AT	0 - 0.5 ft	5.8 J	0.095 UJ	0.84 J	0.17 J	0.060 UJ	0.033 UJ	0.035 UJ	0.023 UJ	0.062 EMPC-J	1.3 J	2.8 J
13B-0523-G2AS	0 - 0.5 ft	8.4 J	0.23 UJ	1.1 J	0.20 J	0.096 UJ	0.049 UJ	0.079 J	0.049 J	0.081 J	2.3 J	4.4 J
13B-0524-C1AS	0 - 0.5 ft	1.4 J	0.11 UJ	0.15 UJ	0.11 J	0.077 UJ	0.036 UJ	0.028 UJ	0.049 J	0.075 J	0.29 J	1.8 J
13B-0524-C1BS	0.5 - 1.5 ft	0.95 J	0.11 UJ	0.15 UJ	0.020 UJ	0.058 UJ	0.030 UJ	0.031 UJ	0.047 J	0.059 J	0.16 J	1.6 J
13B-0524-C1CS	1.5 - 2.5 ft	1.7 J	0.12 UJ	0.15 UJ	0.019 UJ	0.054 UJ	0.034 UJ	0.035 UJ	0.33 J	0.33 J	0.33 J	1.7 J
13B-0524-C1GS	5.39 - 6.39 ft	5.2	0.17 U	0.50 U	0.040 U	0.27 U	0.076 U	0.10 U	0.16 J	0.11 J	0.26 J	3.6
13B-0525-C1AS	0 - 0.5 ft	5.1 J	0.13 UJ	0.90 J	0.20 J	0.058 UJ	0.039 UJ	0.035 UJ	0.056 J	0.094 J	1.0 J	2.9 J
13B-0525-C1BS	0.5 - 1.5 ft	0.83	0.12 U	0.99	0.11 EMPC-J	0.048 U	0.14 J	0.17 U	0.055 J	1.9	0.19 J	1.4

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0525-C1CS	1.5 - 2.5 ft	1.3 J	0.094 UJ	0.13 UJ	0.015 UJ	0.050 UJ	0.036 UJ	0.048 UJ	0.087 J	0.18 J	0.21 J	2.0 J
13B-0525-C1HS	6.42 - 7.42 ft	6.1	0.21 U	0.24 U	0.032 U	0.11 U	0.061 U	0.055 U	0.077 J	0.084 J	0.14 U	3.0
13B-0526-C1AS	0 - 0.5 ft	21 J	1.2 UJ	18 J	4.4 J	0.10 UJ	0.065 UJ	0.058 UJ	0.14 J	0.15 J	1.3 J	12 J
13B-0526-C1BS	0.5 - 1.5 ft	72 J	0.34 UJ	0.97 UJ	0.059 UJ	0.46 UJ	0.13 UJ	0.14 UJ	0.27 J	0.017 UJ	0.099 J	66 J
13B-0526-C1CS	1.5 - 2.5 ft	270 J	0.32 UJ	0.95 UJ	0.094 UJ	0.42 UJ	0.15 UJ	0.14 UJ	0.32 J	0.17 J	0.13 J	34 J
13B-0526-C1CT	1.5 - 2.5 ft	270 J	0.30 UJ	0.35 UJ	0.054 UJ	0.19 UJ	0.090 UJ	0.14 UJ	0.24 J	0.026 UJ	0.054 J	28 J
13B-0526-C1HS	6.5 - 7.62 ft	11	0.059 U	0.079 U	0.0098 U	0.054 U	0.033 U	0.033 U	0.024 U	0.0064 U	0.0092 U	0.73 U
13B-0527-C2AS	0 - 0.5 ft	0.83	0.044 U	0.33 J	0.23 J	0.15 J	0.11 EMPC-J	0.25 J	0.16 J	0.070 J	0.35 J	0.40 U
13B-0527-C2BS	0.5 - 1.5 ft	0.096 J	0.080 J	0.13 EMPC-J	0.16 J	0.045 J	0.17 J	0.19 J	0.064 J	0.0065 J	0.050 J	0.22 U
13B-0527-C2CS	1.5 - 2.6 ft	0.12 J	0.082 J	0.12 J	0.10 U	0.077 J	0.020 U	0.019 U	0.058 EMPC-J	0.026 EMPC-J	0.064 EMPC-J	0.23 UJ
13B-0528-C3AS	0 - 0.5 ft	8.0 J	0.11 UJ	0.80 J	0.23 J	0.059 UJ	0.037 UJ	0.043 UJ	0.055 J	0.083 J	1.9 J	6.4 J
13B-0528-C3BS	0.5 - 1.5 ft	60 J	0.59 UJ	0.63 UJ	0.034 UJ	0.41 UJ	0.082 UJ	0.13 UJ	0.24 J	0.015 UJ	0.054 J	39 J
13B-0528-C3CS	1.5 - 2.5 ft	15 J	0.23 UJ	0.59 UJ	0.071 UJ	0.33 UJ	0.078 UJ	0.21 UJ	0.46 J	0.017 UJ	0.025 EMPC-J	86 J
13B-0528-C3LS	10.5 - 11.54 ft	0.045 U	0.060 U	0.38 U	0.023 U	0.078 U	0.041 U	0.11 U	0.019 U	0.0057 U	0.0064 U	0.87 U
13B-0529-C2AS	0 - 0.5 ft	2.0	0.053 U	0.19 EMPC-J	0.088 J	0.033 U	0.029 U	0.030 U	0.067 J	0.024 EMPC-J	0.39	1.2
13B-0529-C2BS	0.5 - 1.5 ft	0.64	0.10 U	0.090 U	0.057 J	0.063 U	0.041 U	0.049 U	0.035 U	0.0095 U	0.083 J	0.59 U
13B-0529-C2CS	1.5 - 2.5 ft	0.063 U	0.042 U	0.061 U	0.040 J	0.033 U	0.024 U	0.035 U	0.021 U	0.0055 U	0.0086 U	0.21 U
13B-0529-C2ES	3.5 - 4.2 ft	0.019 U	0.035 U	0.060 U	0.033 J	0.031 U	0.031 U	0.034 U	0.019 U	0.0047 U	0.0082 U	0.21 U
13B-0530-C1AS	0 - 0.5 ft	0.86	0.066 U	0.088 U	0.039 U	0.035 U	0.028 U	0.023 U	0.019 U	3.9	0.24 J	0.62 U
13B-0530-C1BS	0.5 - 1.5 ft	0.83	0.080 U	0.11 U	0.013 U	0.044 U	0.027 U	0.022 U	0.042 J	0.11 J	0.087 J	1.3 U
13B-0530-C3CS	1.5 - 1.93 ft	0.32 J	0.048 U	0.078 U	0.0072 U	0.028 U	0.030 U	0.027 U	0.016 U	0.0064 U	0.0099 U	0.54 U
13B-0531-C2AS	0 - 0.5 ft	0.65	0.037 U	0.16 J	0.073 J	0.034 U	0.018 U	0.021 U	0.049 U	0.0032 U	0.14 J	0.46 U
13B-0531-C2AT	0 - 0.5 ft	0.69	0.033 U	0.18 J	0.055 U	0.035 U	0.023 U	0.018 U	0.056 U	0.029 J	0.20 J	0.47 U
13B-0531-C2BS	0.5 - 1.5 ft	0.45	0.035 U	0.046 U	0.025 U	0.030 U	0.022 U	0.019 U	0.026 U	0.0043 U	0.047 J	0.28 U
13B-0531-C2CS	1.5 - 2.5 ft	0.041 EMPC-J	0.022 U	0.035 U	0.047 U	0.071 EMPC-J	0.064 J	0.082 J	0.034 U	0.0080 EMPC-J	0.023 J	0.25 U
13B-0531-C2ES	3.5 - 4.42 ft	0.059 J	0.022 U	0.039 U	0.0039 U	0.035 U	0.017 U	0.016 U	0.057 U	0.022 EMPC-J	0.031 J	0.23 U
13B-0532-C1AS	0 - 0.5 ft	1.0	0.050 U	0.18 J	0.031 U	0.027 U	0.023 U	0.025 U	0.013 U	0.029 J	0.17 J	0.47 U
13B-0532-C1BS	0.5 - 1.5 ft	0.21 J	0.043 U	0.051 U	0.022 U	0.029 U	0.022 U	0.022 U	0.011 U	0.0037 U	0.0057 U	0.31 U
13B-0532-C1CS	1.5 - 2.5 ft	0.026 U	0.033 U	0.045 U	0.0055 U	0.060 U	0.020 U	0.019 U	0.013 U	0.0046 U	0.0064 U	0.25 U
13B-0532-C1DS	2.5 - 3.73 ft	0.014 U	0.022 U	0.036 U	0.011 U	0.024 U	0.020 U	0.017 U	0.0083 U	0.0028 U	0.0041 U	0.17 U
13B-0533-C2BS	0.5 - 1.5 ft	36 J	0.29 UJ	0.24 UJ	0.032 UJ	0.15 UJ	0.062 UJ	0.047 UJ	0.28 J	0.024 UJ	0.083 J	22 J
13B-0533-C2CS	1.5 - 2.5 ft	2.4 J	0.26 UJ	0.22 UJ	0.028 UJ	0.10 UJ	0.20 UJ	0.045 UJ	0.35 J	0.015 UJ	0.035 J	24 J
13B-0533-C3AS	0 - 0.5 ft	10 J	0.13 UJ	1.3 J	0.35 J	0.073 UJ	0.036 UJ	0.11 J	0.19 J	0.51 J	2.6 J	6.3 J
13B-0533-C3AT	0 - 0.5 ft	16 J	0.16 UJ	2.5 J	0.70 J	0.096 UJ	0.054 UJ	0.10 UJ	0.090 J	0.14 J	3.8 J	5.3 J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0533-C3JS	8.5 - 9.35 ft	0.065 UJ	0.094 UJ	0.19 UJ	0.022 UJ	0.070 UJ	0.044 UJ	0.036 UJ	0.025 UJ	0.0079 UJ	0.0089 UJ	0.85 UJ
13B-0533-C3JT	8.5 - 9.35 ft	0.067 U	0.094 U	0.16 U	0.020 U	0.076 U	0.039 U	0.030 U	0.022 U	0.0064 U	0.0074 U	0.73 U
13B-0534-C2BS	0.5 - 1.5 ft	2.0	0.14 U	0.21 U	0.024 U	0.088 U	0.046 U	0.065 U	0.21 J	0.010 U	0.10 J	8.8
13B-0534-C2CS	1.5 - 2.5 ft	0.070 U	0.12 U	0.17 U	0.021 U	0.076 U	0.051 U	0.060 U	0.033 U	0.0073 U	0.010 U	0.60 U
13B-0534-C2IS	7.5 - 8.59 ft	0.069 U	0.092 U	0.14 U	0.019 U	0.090 U	0.045 U	0.058 U	0.022 U	0.0056 U	0.0073 U	0.52 U
13B-0534-C3AS	0 - 0.5 ft	5.8 J	0.18 UJ	0.46 J	0.10 J	0.090 UJ	0.064 UJ	0.056 UJ	0.075 J	0.057 J	0.79 J	39 J
13B-0534-C3AT	0 - 0.5 ft	6.3 J	0.22 UJ	0.21 UJ	0.13 J	0.11 UJ	0.055 UJ	0.067 UJ	0.11 J	0.11 J	0.82 J	34 J
13B-0535-C2AS	0 - 0.5 ft	8.2 J	0.087 UJ	0.72 EMPC-J	0.27 J	0.059 UJ	0.031 UJ	0.098 UJ	0.049 EMPC-J	0.11 J	2.3 J	3.0 J
13B-0535-C2BS	0.5 - 1.5 ft	0.20 J	0.050 U	0.066 U	0.0075 U	0.070 U	0.022 U	0.029 U	0.017 U	0.018 J	0.030 EMPC-J	0.26 U
13B-0535-C2CS	1.5 - 2.45 ft	0.017 U	0.027 U	0.042 U	0.0077 U	0.042 U	0.019 U	0.020 U	0.0090 U	0.0037 U	0.0054 U	0.32 U
13B-0536-C1AS	0 - 0.5 ft	3.4	0.088 U	0.43 EMPC-J	0.14 J	0.051 U	0.039 U	0.028 U	0.77	0.054 J	0.72	1.9 U
13B-0536-C1BS	0.5 - 1.5 ft	0.029 U	0.054 U	0.094 U	0.010 U	0.047 U	0.032 U	0.025 U	0.019 U	0.0069 U	0.0064 U	0.40 U
13B-0536-C1CS	1.5 - 2.5 ft	0.034 U	0.059 U	0.11 U	0.012 U	0.052 U	0.024 U	0.034 U	0.011 U	0.013 J	0.0036 U	1.2
13B-0536-C1FS	4.28 - 5.28 ft	0.043 U	0.098 U	0.28 U	0.023 U	0.20 U	0.039 U	0.099 U	0.019 U	0.023 U	0.0044 U	0.37 U
13B-0537-C3AS	0 - 0.5 ft	2.1	0.11 U	0.36 EMPC-J	0.17 EMPC-J	0.28 J	0.12 J	0.16 J	0.27 J	0.097 J	0.74	1.0 U
13B-0538-C3AS	0 - 0.5 ft	13 J	0.53 UJ	0.57 UJ	0.093 UJ	0.54 UJ	0.43 UJ	0.23 UJ	0.15 UJ	0.061 UJ	0.19 EMPC-J	180 J
13B-0538-C3BS	0.5 - 1.5 ft	60 J	0.58 UJ	0.31 UJ	0.061 UJ	0.43 UJ	0.13 UJ	0.21 UJ	0.18 EMPC-J	0.021 UJ	0.086 J	210 J
13B-0538-C3CS	1.5 - 2.5 ft	17 J	0.27 UJ	0.38 UJ	0.057 UJ	0.23 UJ	0.15 UJ	0.14 UJ	0.084 UJ	0.029 UJ	0.024 UJ	85 J
13B-0538-C3ES	3.5 - 4.8 ft	0.076 U	0.039 U	0.062 U	0.0074 U	0.038 U	0.022 U	0.020 U	0.013 U	0.013 EMPC-J	0.012 J	0.29 U
13B-0539-C2AS	0 - 0.5 ft	2.8	0.083 U	0.18 U	0.065 U	0.053 U	0.033 U	0.027 U	0.059 J	0.024 U	0.38 U	1.6
13B-0539-C2AT	0 - 0.5 ft	3.0	0.067 U	0.32 U	0.054 U	0.046 U	0.026 U	0.060 U	0.070 J	0.032 U	0.38 U	1.9
13B-0539-C3BS	0.5 - 1.5 ft	0.25 UJ	0.11 U	0.68 U	0.068 U	0.40 U	0.28 UJ	0.33 U	0.074 J	0.0059 U	0.061 U	3.0
13B-0539-C3CS	1.5 - 2.5 ft	0.050 U	0.082 U	0.14 U	0.017 U	0.070 U	0.027 U	0.047 U	0.021 U	0.0045 U	0.0031 U	0.57 U
13B-0539-C3HS	6.5 - 7.59 ft	0.019 U	0.031 U	0.043 U	0.0051 U	0.033 U	0.018 U	0.017 U	0.0090 U	0.0035 U	0.0038 U	0.22 U
13B-0540-C4AS	0 - 0.5 ft	8.7 J	0.12 UJ	1.3 J	0.29 J	0.057 UJ	0.033 UJ	0.026 UJ	0.050 J	0.15 J	1.8 J	2.5 J
13B-0540-C4BS	0.5 - 1.5 ft	3.2	0.12 U	0.29 J	0.11 U	0.047 U	0.021 U	0.15 J	0.089 J	0.051 J	0.31 J	2.5
13B-0540-C4CS	1.5 - 2.5 ft	21 J	0.44 UJ	0.43 UJ	0.063 UJ	0.34 UJ	0.18 UJ	0.14 UJ	0.25 J	0.036 UJ	0.049 J	14 J
13B-0540-C4LS	10.3 - 11.25 ft	0.017 U	0.019 U	0.046 U	0.0049 U	0.026 U	0.025 U	0.013 U	0.012 U	0.0028 U	0.015 J	0.28 U
13B-0541-C1AS	0 - 0.5 ft	16 J	0.091 UJ	0.48 J	0.14 J	0.071 UJ	0.038 UJ	0.22 J	0.098 J	0.061 J	1.1 J	3.3 J
13B-0541-C1BS	0.5 - 1.5 ft	42	0.073 U	0.11 U	0.012 U	0.073 U	0.039 U	0.031 U	0.086 EMPC-J	0.0056 U	0.049 J	2.1
13B-0541-C1CS	1.5 - 2.5 ft	0.47	0.050 U	0.072 U	0.0079 U	0.039 U	0.020 U	0.022 U	0.040 J	0.012 EMPC-J	0.0059 U	3.0
13B-0541-C1FS	4.5 - 5.67 ft	0.25 J	0.024 U	0.028 U	0.011 U	0.036 U	0.012 U	0.014 U	0.015 U	0.0033 U	0.034 J	0.24 U
13B-0542-C2AS	0 - 0.5 ft	0.12 U	0.23 U	0.38 U	0.053 U	0.22 U	0.043 U	0.15 U	0.078 U	0.027 U	0.024 U	3.3 U
13B-0542-C2BS	0.5 - 1.5 ft	0.17 J	0.032 U	0.052 U	0.11 J	0.050 U	0.089 J	0.060 EMPC-J	0.029 J	0.023 J	0.052 J	0.28 U

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DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0542-C2CS	1.5 - 2.5 ft	0.054 J	0.036 U	0.064 U	0.082 J	0.044 U	0.061 EMPC-J	0.021 U	0.011 U	0.0034 U	0.0041 U	0.29 U
13B-0542-C2HS	6.5 - 7.55 ft	0.15 U	0.10 J	0.22 J	0.13 J	0.086 J	0.24 U	0.41	0.028 J	0.019 J	0.069 J	0.22 U
13B-0543-G1AS	0 - 0.5 ft	15 J	0.19 UJ	4.4 J	0.64 J	0.082 UJ	0.030 UJ	0.20 J	0.047 EMPC-J	0.68 J	4.3 J	2.4 J
13B-0544-C2AS	0 - 0.5 ft	2.7	0.058 U	0.62 U	0.20 U	0.034 U	0.20 U	0.31 U	0.062 J	0.078 J	0.82	1.2
13B-0544-C2BS	0.5 - 1.5 ft	1.1	0.060 U	0.082 U	0.061 U	0.045 U	0.086 U	0.11 U	0.070 J	0.044 U	0.10 U	1.1 U
13B-0544-C2CS	1.5 - 2.5 ft	1.0	0.077 U	0.12 U	0.075 U	0.045 U	0.030 U	0.024 U	0.048 J	0.11 J	0.20 U	1.5
13B-0544-C2ES	3 - 3.97 ft	0.63	0.060 U	0.088 U	0.036 EMPC-J	0.048 U	0.019 U	0.019 U	0.25 J	0.023 EMPC-J	0.042 J	0.71 U
13B-0546-G2AS	0 - 0.5 ft	1.4	0.063 U	0.24 J	0.051 J	0.029 U	0.028 U	0.025 U	0.015 U	0.60	0.72	0.48 U
13B-0547-C2AS	0 - 0.5 ft	43 J	0.19 UJ	0.20 UJ	0.026 UJ	0.12 UJ	0.057 UJ	0.057 UJ	0.19 J	0.015 UJ	0.13 J	6.2 J
13B-0547-C2BS	0.5 - 1.5 ft	4.5 J	0.24 UJ	0.28 UJ	0.031 UJ	0.13 UJ	0.053 UJ	0.062 UJ	0.33 J	0.018 UJ	0.014 UJ	10 J
13B-0547-C2CS	1.5 - 2.05 ft	0.052 U	0.095 U	0.15 U	0.018 U	0.067 U	0.041 U	0.042 U	0.025 U	0.0089 U	0.013 U	0.72 U
13B-0547-C2HS	6.5 - 7.15 ft	0.025 U	0.035 U	0.057 U	0.0061 U	0.070 U	0.019 U	0.026 U	0.022 U	0.0081 U	0.010 U	0.44 U
13B-0547-C5AAS	0 - 0.25 ft	13 J	0.17 UJ	1.7 J	0.30 J	0.090 UJ	0.047 UJ	0.064 UJ	0.31 J	0.14 J	3.5 J	5.2 J
13B-0547-C5ABS	0.25 - 0.5 ft	14 J	0.16 UJ	1.5 J	0.25 J	0.079 UJ	0.049 UJ	0.073 UJ	0.10 J	0.11 J	3.1 J	5.5 J
13B-0547-C5ACS	0.5 - 0.75 ft	120 J	0.23 UJ	0.51 UJ	0.058 UJ	0.31 UJ	0.13 UJ	0.14 UJ	0.15 J	0.12 J	1.0 J	68 J
13B-0547-C5ADS	0.75 - 1 ft	140 J	0.71 UJ	1.0 UJ	0.12 UJ	0.48 UJ	0.31 UJ	0.25 UJ	0.18 UJ	0.076 UJ	0.099 J	83 J
13B-0547-C5AES	1 - 1.25 ft	94 J	0.30 UJ	0.45 UJ	0.060 UJ	0.18 UJ	0.082 UJ	0.13 UJ	0.33 J	0.018 UJ	0.077 J	8.5 J
13B-0547-C5AFS	1.25 - 1.5 ft	23	0.26 U	0.27 U	0.036 U	0.15 U	0.073 U	0.089 U	0.89	0.016 U	0.0083 U	9.5
13B-0547-C5AGS	1.5 - 1.75 ft	6.9 J	0.57 UJ	0.51 UJ	0.056 UJ	0.16 UJ	0.23 UJ	0.18 UJ	0.70 J	0.024 UJ	0.047 J	19 J
13B-0547-C5AHS	1.75 - 2 ft	5.4	0.63 U	0.40 U	0.055 U	0.19 U	0.086 U	0.11 U	1.9	0.24 J	0.037 J	16
13B-0547-C5AIS	2 - 2.25 ft	0.55	0.092 U	0.13 U	0.016 U	0.051 U	0.030 U	0.035 U	0.079 J	0.0051 U	0.0037 U	2.0
13B-0547-C5AJS	2.25 - 2.5 ft	0.067 U	0.11 U	0.23 U	0.028 U	0.10 U	0.043 U	0.060 U	0.025 U	0.0067 U	0.0050 U	0.86 U
13B-0547-C5AKS	2.5 - 2.75 ft	0.14 J	0.053 U	0.11 U	0.012 U	0.085 U	0.025 U	0.032 U	0.015 U	0.0045 U	0.0050 U	0.47 U
13B-0547-C5ALS	2.75 - 3 ft	0.10 J	0.040 U	0.093 U	0.011 U	0.036 U	0.021 U	0.026 U	0.012 U	0.0080 J	0.0033 U	0.70 U
13B-0548-C1AS	0 - 0.5 ft	7.3	0.090 U	0.40 EMPC-J	0.097 U	0.066 U	0.036 U	0.036 U	0.037 J	0.034 J	0.36 J	1.0 U
13B-0548-C1BS	0.5 - 1.5 ft	1.6	0.13 U	0.50	0.068 U	0.14 U	0.032 U	0.037 U	0.015 U	0.041 J	0.24 J	0.94 U
13B-0548-C1BT	0.5 - 1.5 ft	3.0	0.11 U	0.45	0.088 U	0.079 U	0.034 U	0.042 U	0.027 J	0.086 J	0.30 J	1.3
13B-0548-C1CS	1.5 - 2.5 ft	0.37 J	0.097 U	0.14 U	0.016 U	0.075 U	0.030 U	0.041 U	0.014 U	0.0059 U	0.037 J	0.85 U
13B-0548-C1IS	7.5 - 8.79 ft	0.039 U	0.018 U	0.030 U	0.0029 U	0.029 U	0.012 U	0.015 U	0.015 U	0.0027 U	0.0043 U	0.21 U
13B-0549-C2AS	0 - 0.5 ft	0.82	0.032 U	0.11 J	0.035 U	0.024 U	0.015 U	0.015 U	0.014 U	0.020 EMPC-J	0.23 J	0.51 U
13B-0549-C3BS	0.5 - 1.5 ft	0.039 U	0.042 U	0.065 U	0.0083 U	0.050 U	0.019 U	0.021 U	0.012 U	0.0032 U	0.0036 U	0.95 U
13B-0549-C3CS	1.5 - 2.65 ft	0.041 U	0.056 U	0.12 U	0.018 U	0.061 U	0.026 U	0.071 U	0.012 U	0.0037 U	0.0043 U	0.43 U
13B-0550-C3AS	0 - 0.5 ft	1.8 J	0.10 UJ	0.72 J	0.14 J	0.038 UJ	0.024 UJ	0.018 UJ	0.015 UJ	0.098 J	0.59 J	1.2 UJ
13B-0550-C3BS	0.5 - 1.5 ft	0.29 J	0.061 U	0.090 U	0.010 U	0.039 U	0.022 U	0.016 U	0.016 U	0.0073 U	0.034 EMPC-J	0.50 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**	**WS-ID-0014**
Analyte		**Dieldrin**	**Endosulfan I**	**Endosulfan II**	**Endosulfan Sulfate**	**Endrin**	**Endrin aldehyde**	**Endrin ketone**	**gamma-BHC (Lindane)**	**Heptachlor**	**Heptachlor Epoxide**	**Hexachlorobenzene**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**0.027**	**0.045**	**0.11**	**0.0091**	**0.023**	**0.061**	**0.041**	**0.027**	**0.0065**	**0.012**	**0.83**
Maximum Detect		**270**	**65**	**18**	**4.4**	**0.28**	**1.2**	**1.8**	**1.9**	**6.5**	**16**	**210**
Mean of Detects		**13.3**	**9.38**	**0.995**	**0.229**	**0.130**	**0.248**	**0.292**	**0.178**	**0.175**	**0.639**	**13.7**
St. Dev. of Detects		**37.2**	**22.7**	**2.13**	**0.514**	**0.0877**	**0.288**	**0.377**	**0.238**	**0.670**	**1.48**	**29.8**
CV of Detects		**2.80**	**2.42**	**2.14**	**2.25**	**0.673**	**1.16**	**1.29**	**1.34**	**3.84**	**2.31**	**2.18**
% Detected		**79.8**	**2.82**	**29.4**	**31.0**	**3.63**	**6.45**	**11.7**	**43.1**	**53.2**	**64.5**	**24.7**
Sample ID	**Depth Interval**											
13B-0550-C3CS	1.5 - 2.5 ft	0.027 U	0.066 U	0.074 U	0.0077 U	0.035 U	0.026 U	0.022 U	0.015 U	0.0069 U	0.0094 U	0.31 U
13B-0550-C3FS	4.5 - 5.37 ft	0.15 J	0.12 U	0.12 U	0.012 U	0.065 U	0.039 U	0.029 U	0.026 U	0.013 U	0.015 U	0.36 U
13B-0551-C2AS	0 - 0.5 ft	4.3	0.11 U	1.1	0.11 J	0.041 U	0.029 U	0.023 U	0.079 J	0.044 EMPC-J	0.41	2.0
13B-0552-C3AS	0 - 0.5 ft	8.6 J	0.083 UJ	1.3 J	0.32 UJ	0.053 UJ	0.14 UJ	0.29 UJ	0.089 UJ	0.15 J	2.5 J	2.6 J
13B-0552-C3BS	0.5 - 1.5 ft	1.6 U	0.24 U	0.26 U	0.032 U	0.14 U	0.031 U	0.10 U	0.044 U	0.013 U	0.15 U	1.8 U
13B-0552-C3CS	1.5 - 2.38 ft	17	0.49 U	0.50 U	0.071 U	0.39 U	0.12 U	0.17 U	0.21 U	0.025 U	0.086 U	6.8
13B-0552-C3CT	1.5 - 2.38 ft	22	0.18 U	0.19 U	0.022 U	0.11 U	0.045 U	0.027 U	0.16 U	0.010 U	0.079 U	7.1
13B-0553-C2AS	0 - 0.5 ft	1.1	0.048 U	0.21 J	0.036 U	0.034 U	0.024 U	0.019 U	0.016 U	0.035 J	0.31 J	0.67 U
13B-0553-C2BS	0.5 - 1.5 ft	0.057 U	0.041 U	0.057 U	0.0070 U	0.032 U	0.017 U	0.019 U	0.012 U	0.0026 U	0.0038 U	0.39 U
13B-0553-C2CS	1.5 - 2.5 ft	0.046 U	0.22 U	0.27 U	0.22 J	0.15 U	0.030 U	0.71 J	0.085 U	0.022 U	0.13 J	1.6 J
13B-0553-C2DS	2.5 - 3.5 ft	0.054 U	0.24 U	0.46 U	0.057 U	0.28 U	0.13 U	0.16 U	0.085 U	0.029 U	0.030 U	1.8
13B-0554-C1BS	0.5 - 1.5 ft	0.91	0.080 U	0.78	0.66	0.036 U	0.65	1.3	0.11 U	0.071 J	0.32 J	1.6
13B-0554-C1CS	1.5 - 2.5 ft	1.6	0.092 U	0.093 U	0.068 U	0.044 U	0.023 U	0.072 J	0.066 U	0.055 J	0.26 J	3.7
13B-0554-C1ES	3.5 - 4.7 ft	0.16 J	0.097 J	0.039 U	0.24 J	0.025 U	0.46	0.15 J	0.089 U	0.019 J	0.11 J	0.24 U
13B-0554-C4AS	0 - 0.5 ft	2.3	0.10 U	3.6	0.054 U	0.050 U	0.020 U	0.035 U	0.064 U	6.5	0.58	1.4
13B-0555-C1AS	0 - 0.5 ft	88 J	0.50 UJ	0.59 UJ	0.075 UJ	0.36 UJ	0.33 UJ	0.24 UJ	0.16 UJ	0.048 UJ	0.18 EMPC-J	9.4 J
13B-0555-C1BS	0.5 - 1.22 ft	18	0.26 U	0.48 U	0.053 U	0.29 U	0.23 U	0.19 U	0.32 J	0.033 U	0.036 U	9.6
13B-0555-C2CS	1.5 - 2 ft	200 J	0.58 UJ	0.71 UJ	0.10 UJ	0.49 UJ	0.32 UJ	0.25 UJ	0.17 UJ	0.059 UJ	0.044 UJ	14 J
13B-0555-C2DS	2 - 3 ft	28 J	0.28 UJ	0.58 UJ	0.059 UJ	0.33 UJ	0.27 UJ	0.22 UJ	0.14 UJ	0.039 UJ	0.044 UJ	7.1 J
13B-0556-C2AS	0 - 0.5 ft	2.4 J	0.11 UJ	0.28 UJ	0.18 J	0.055 UJ	0.034 UJ	0.15 J	0.23 J	0.15 J	1.2 J	1.3 J
13B-0556-C2BS	0.5 - 1.5 ft	0.73	0.094 U	0.36 J	0.078 J	0.045 U	0.033 U	0.036 U	0.071 J	0.11 J	0.36 J	1.2
13B-0556-C2CS	1.5 - 2.38 ft	0.98	0.11 U	0.12 U	0.015 U	0.052 U	0.029 U	0.030 U	0.087 J	0.068 J	16	1.1
13B-0557-C2AS	0 - 0.5 ft	2.5 J	0.13 UJ	0.16 UJ	0.10 UJ	0.069 UJ	0.046 UJ	0.054 UJ	0.23 UJ	0.079 EMPC-J	0.40 J	1.6 J
13B-0557-C2BS	0.5 - 1.5 ft	3.2 J	0.14 UJ	0.18 UJ	0.062 UJ	0.062 UJ	0.039 UJ	0.061 UJ	0.12 UJ	0.085 J	0.38 J	1.8 J
13B-0557-C2CS	1.5 - 2.5 ft	3.3	0.20 U	1.1	0.024 U	0.071 U	0.048 U	0.059 U	0.12 U	0.086 EMPC-J	0.20 J	2.0
13B-0557-C2ES	3.5 - 4.5 ft	8.3	0.19 U	0.16 U	0.022 U	0.098 U	0.039 U	0.044 U	0.16 U	0.053 J	0.087 J	1.8
13B-0558-C2AS	0 - 0.5 ft	2.0 J	0.088 UJ	0.37 J	0.10 UJ	0.042 UJ	0.031 UJ	0.038 UJ	0.023 UJ	0.078 J	0.62 J	0.71 UJ
13B-0558-C2BS	0.5 - 1.5 ft	0.26 J	0.049 U	0.078 U	0.0098 U	0.042 U	0.020 U	0.031 U	0.015 U	0.019 EMPC-J	0.046 J	0.38 U
13B-0558-C2CS	1.5 - 2.5 ft	0.15 U	0.059 U	0.16 U	0.029 U	0.079 U	0.11 U	0.085 U	0.030 U	0.0054 U	0.0089 U	0.35 U
13B-0558-C2FS	4.5 - 5.75 ft	1.1	0.037 U	0.061 U	0.0061 U	0.16 UJ	0.019 U	0.021 U	0.024 U	0.0051 U	0.074 J	0.17 U
13B-0559-C3AS	0 - 0.5 ft	0.78	0.10 U	0.11 U	0.032 EMPC-J	0.049 U	0.030 U	0.028 U	0.024 U	0.036 J	0.24 J	0.73 U
13B-0559-C3BS	0.5 - 1.5 ft	0.94	0.11 U	0.15 U	0.062 J	0.050 U	0.030 U	0.027 U	0.085 U	0.084 J	0.18 J	1.2 U
13B-0559-C3CS	1.5 - 2.5 ft	2.4	0.16 U	0.20 U	0.028 U	0.088 U	0.031 U	0.029 U	0.12 U	0.15 J	0.17 J	2.0
13B-0559-C3GS	5.5 - 6 ft	12	0.36 U	0.20 U	0.021 U	0.067 U	0.044 U	0.035 U	0.12 U	0.052 J	0.12 J	1.4 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0560-C1AS	0 - 0.5 ft	1.4	0.076 U	0.35	0.14 J	0.040 U	0.13 J	0.035 U	0.18 J	0.095 J	0.41	0.60 U
13B-0560-C1BS	0.5 - 1.5 ft	1.8	0.12 U	0.17 U	0.24 J	0.061 U	0.045 U	0.040 U	0.081 J	0.093 J	0.24 J	0.96
13B-0560-C1CS	1.5 - 2.5 ft	1.8 J	0.14 UJ	0.20 UJ	0.021 UJ	0.057 UJ	0.044 UJ	0.042 UJ	0.086 J	0.23 J	0.26 J	1.1 J
13B-0560-C1GS	5.14 - 5.86 ft	0.068 J	0.029 U	0.053 U	0.0065 U	0.034 U	0.016 U	0.021 U	0.011 U	0.0050 U	0.0071 U	0.16 U
13B-0561-C1AS	0 - 0.5 ft	14	0.20 U	0.22 U	0.16 J	0.098 U	0.13 EMPC-J	0.28 J	0.38 J	0.26 J	0.36 J	2.1
13B-0561-C1BS	0.5 - 1.5 ft	22	0.16 U	0.23 U	0.021 U	0.091 U	0.050 U	0.20 EMPC-J	0.23 J	0.012 U	0.083 J	1.2 U
13B-0561-C1CS	1.5 - 2.5 ft	1.1	0.11 U	0.12 U	0.017 U	0.069 U	0.037 U	0.063 U	0.19 J	0.018 EMPC-J	0.0075 U	1.1 U
13B-0561-C1GS	5.5 - 6.5 ft	0.018 U	0.039 U	0.060 U	0.021 J	0.029 U	0.024 U	0.027 U	0.022 U	0.0064 U	0.0098 U	0.28 U
13B-0562-G2AS	0 - 0.5 ft	5.1	0.086 U	0.95	0.18 J	0.045 U	0.032 U	0.059 J	0.032 EMPC-J	0.093 J	1.4	1.5
13B-0563-C1AS	0 - 0.5 ft	1.9	0.061 U	0.32 J	0.066 J	0.033 U	0.030 U	0.019 U	0.014 U	0.016 EMPC-J	0.48	1.0 U
13B-0563-C1AT	0 - 0.5 ft	1.3	0.069 U	0.21 J	0.042 J	0.051 U	0.032 U	0.025 U	0.017 U	0.030 EMPC-J	0.30 J	0.62 U
13B-0563-C2BS	0.5 - 1.1 ft	0.19 EMPC-J	0.047 U	0.054 U	0.0055 U	0.025 U	0.021 U	0.017 U	0.012 U	0.0084 U	0.025 J	0.43 U
13B-0563-C2CS	1.1 - 2.5 ft	0.28 J	0.052 UJ	0.075 UJ	0.0077 UJ	0.037 UJ	0.022 UJ	0.020 UJ	0.50 J	0.0043 UJ	0.0063 UJ	0.99 UJ
13B-0563-C2IS	7.5 - 8.28 ft	0.34 J	0.050 U	0.082 U	0.0093 U	0.036 U	0.025 U	0.027 U	0.55	0.0039 U	0.0080 U	1.1 U
13B-0564-G2AS	0 - 0.5 ft	11 J	0.12 UJ	1.4 J	0.42 J	0.071 UJ	0.045 UJ	0.17 J	0.074 J	0.20 J	3.4 J	9.4 J
13B-0565-G1AS	0 - 0.5 ft	2.0	0.052 U	0.66	0.083 U	0.028 U	0.024 U	0.025 U	0.013 U	0.052 J	0.68	0.99
13B-0566-G3AS	0 - 0.5 ft	0.92	0.043 U	0.078 U	0.052 U	0.032 U	0.027 U	0.026 U	0.014 U	0.015 EMPC-J	0.27 J	0.42 U
13B-0567-G2AS	0 - 0.5 ft	9.1 J	0.12 UJ	0.86 J	0.22 J	0.060 UJ	0.040 UJ	0.044 UJ	0.025 UJ	0.055 J	1.6 J	4.0 J
13B-0568-G2AS	0 - 0.5 ft	74 J	0.17 UJ	0.20 UJ	0.021 UJ	0.11 UJ	0.058 UJ	0.19 J	0.25 J	0.057 J	0.17 J	4.1 J
13B-0571-C3AS	0 - 0.5 ft	4.9 J	0.12 UJ	1.0 J	0.11 UJ	0.055 UJ	0.043 UJ	0.053 UJ	0.033 UJ	0.10 J	1.2 J	0.83 J
13B-0571-C3BS	0.5 - 1.5 ft	4.2	0.080 U	0.39 J	0.012 U	0.044 U	0.033 U	0.049 U	0.035 U	0.035 J	0.55	0.61 U
13B-0571-C3CS	1.5 - 2.5 ft	0.67	0.045 U	0.56	0.0076 U	0.050 U	0.037 U	0.040 U	0.029 U	0.0075 U	0.24 J	0.20 U
13B-0571-C3MS	11 - 12 ft	0.015 U	0.019 U	0.074 U	0.015 U	0.037 U	0.021 U	0.072 U	0.012 U	0.0030 U	0.025 J	0.14 U
13B-0572-C1AS	0 - 0.5 ft	0.23 J	0.032 U	0.049 U	0.016 J	0.021 U	0.017 U	0.019 U	0.032 J	0.012 J	0.073 J	0.61 U
13B-0572-C1BS	0.5 - 1.5 ft	0.059 U	0.094 U	0.15 U	0.019 U	0.079 U	0.043 U	0.074 U	0.026 U	0.0066 U	0.011 U	1.5 U
13B-0572-C1CS	1.5 - 2.27 ft	0.081 U	0.12 U	0.19 U	0.027 U	0.087 U	0.066 U	0.11 U	0.045 U	0.010 U	0.020 U	0.43 U
13B-0573-C2AS	0 - 0.5 ft	1.8	0.055 U	0.36 J	0.074 J	0.032 U	0.028 U	0.025 U	0.016 U	0.027 J	0.29 J	0.77 U
13B-0573-C2BS	0.5 - 1.5 ft	0.94	0.052 U	0.43	0.20 J	0.029 U	0.16 J	0.39	0.021 U	0.045 J	0.20 J	0.72 U
13B-0573-C2CS	1.5 - 2.5 ft	1.1	0.059 U	0.056 U	0.0063 U	0.034 U	0.023 U	0.024 U	0.018 U	0.021 EMPC-J	0.0059 U	0.55 U
13B-0573-C2DS	2.5 - 3.75 ft	0.027 J	0.033 U	0.039 U	0.0043 U	0.021 U	0.021 U	0.022 U	0.018 U	0.0050 U	0.0066 U	0.21 U
13B-0574-C2AS	0 - 0.5 ft	4.2	0.16 U	0.11 U	0.030 U	0.049 U	0.041 U	0.040 U	0.028 U	0.042 J	0.16 J	1.5 U
13B-0574-C2BS	0.5 - 1.5 ft	7.4 J	0.26 U	0.14 U	0.14 J	0.064 U	0.13 J	0.17 J	0.20 U	0.16 J	0.12 J	2.4 J
13B-0574-C2CS	1.5 - 2.5 ft	4.0	0.069 U	1.3	1.3	0.18 J	1.2	1.8	0.15 U	0.044 EMPC-J	0.32 J	2.9
13B-0574-C2HS	6.4 - 7.4 ft	9.3	0.077 U	0.14 U	0.016 U	0.081 U	0.036 U	0.043 U	0.048 U	0.029 EMPC-J	0.012 U	1.2 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.027	0.045	0.11	0.0091	0.023	0.061	0.041	0.027	0.0065	0.012	0.83
Maximum Detect		270	65	18	4.4	0.28	1.2	1.8	1.9	6.5	16	210
Mean of Detects		13.3	9.38	0.995	0.229	0.130	0.248	0.292	0.178	0.175	0.639	13.7
St. Dev. of Detects		37.2	22.7	2.13	0.514	0.0877	0.288	0.377	0.238	0.670	1.48	29.8
CV of Detects		2.80	2.42	2.14	2.25	0.673	1.16	1.29	1.34	3.84	2.31	2.18
% Detected		79.8	2.82	29.4	31.0	3.63	6.45	11.7	43.1	53.2	64.5	24.7
Sample ID	Depth Interval											
13B-0575-C4AS	0 - 0.5 ft	3.1 J	0.33 UJ	0.60 UJ	0.082 UJ	0.35 UJ	0.15 UJ	0.19 UJ	0.098 UJ	0.033 UJ	0.31 UJ	13 J
13B-0575-C4BS	0.5 - 1.5 ft	14	0.10 U	0.12 U	0.016 U	0.090 U	0.033 U	0.024 U	0.11 U	0.0068 U	0.027 U	3.0
13B-0575-C4CS	1.5 - 2.5 ft	0.44	0.036 U	0.041 U	0.0041 U	0.036 U	0.015 U	0.013 U	0.043 U	0.0031 U	0.013 U	0.28 U
13B-0575-C4FS	4.3 - 5.44 ft	0.071 U	0.029 U	0.040 U	0.015 U	0.030 U	0.016 U	0.016 U	0.057 U	0.011 U	0.022 U	0.27 U
13B-0577-G1AS	0 - 0.5 ft	16 J	0.10 UJ	2.1 J	0.37 J	0.059 UJ	0.031 UJ	0.15 UJ	0.067 UJ	0.18 J	4.7 J	1.7 J
13B-0578-C5AS	0 - 0.5 ft	0.28 J	0.067 U	0.11 U	0.013 U	0.080 U	0.035 U	0.037 U	0.014 U	0.0048 U	0.067 J	0.33 U
13B-0578-C5BS	0.5 - 1.5 ft	0.36 J	0.064 U	0.13 U	0.016 U	0.066 U	0.031 U	0.025 U	0.015 U	0.0058 U	0.0052 U	0.98 U
13B-0578-C5CS	1.5 - 2.5 ft	0.075 U	0.11 U	0.19 U	0.023 U	0.11 U	0.045 U	0.058 U	0.017 U	0.0083 U	0.0081 U	0.46 U
13B-0578-C5CT	1.5 - 2.5 ft	0.048 U	0.088 U	0.18 U	0.021 U	0.096 U	0.036 U	0.048 U	0.017 U	0.0053 U	0.0071 U	0.46 U
13B-0578-C5GS	5.25 - 6.25 ft	0.020 U	0.026 U	0.036 U	0.011 J	0.039 U	0.016 U	0.022 U	0.018 U	0.0034 U	0.0051 U	0.26 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0501-C1AS	0 - 0.5 ft	0.053 U	0.16 J	7.9	4.5
13B-0501-C1BS	0.5 - 1.5 ft	0.066 U	0.044 J	7.4	3.4
13B-0501-C1CS	1.5 - 2.5 ft	0.051 U	0.0094 U	16	5.6
13B-0501-C1DS	2.5 - 3.07 ft	0.14 U	0.012 U	0.56	0.19 J
13B-0502-C2AS	0 - 0.5 ft	0.072 U	0.010 U	3.9	1.9
13B-0502-C2BS	0.5 - 1.5 ft	0.087 U	0.013 U	22	8.4
13B-0502-C2CS	1.5 - 2.45 ft	0.17 U	0.015 U	88	34
13B-0503-C1AS	0 - 0.5 ft	0.038 U	0.036 J	0.85	0.54
13B-0503-C1BS	0.5 - 1.5 ft	0.061 U	0.011 U	0.013 U	0.016 U
13B-0503-C1CS	1.5 - 2.5 ft	0.027 U	0.0071 U	0.023 EMPC-J	0.011 U
13B-0503-C1DS	2.5 - 2.5 ft	0.045 U	0.0070 U	0.011 U	0.014 U
13B-0504-C4AS	0 - 0.5 ft	0.59 UJ	0.068 J	17 J	3.7 J
13B-0504-C4BS	0.5 - 1.5 ft	0.66 UJ	0.025 UJ	20 J	2.8 J
13B-0504-C4CS	1.5 - 2.5 ft	0.32 U	0.022 U	7.4	1.1
13B-0504-C4KS	9.5 - 10.25 ft	0.17 U	0.016 U	0.029 U	0.035 U
13B-0505-C1AS	0 - 0.5 ft	0.097 UJ	0.51 J	20 J	13 J
13B-0505-C1BS	0.5 - 1.5 ft	0.087 U	0.017 U	6.0	2.7
13B-0505-C1CS	1.5 - 2.5 ft	0.12 U	0.012 U	30	11
13B-0505-C1FS	4.5 - 5.2 ft	0.051 U	0.011 U	0.045 J	0.011 U
13B-0506-C2AS	0 - 0.5 ft	0.12 U	0.25 J	10	6.5
13B-0506-C2BS	0.5 - 1.5 ft	0.12 U	0.020 U	0.72	0.33 J
13B-0506-C2CS	1.5 - 2.5 ft	0.042 U	0.010 U	0.073 J	0.011 U
13B-0507-C2AS	0 - 0.5 ft	0.073 U	0.014 U	0.21 J	0.14 J
13B-0507-C2BS	0.5 - 1.5 ft	0.034 U	0.0077 U	0.025 J	0.0080 U
13B-0507-C2CS	1.5 - 2.5 ft	0.032 U	0.0072 U	0.017 EMPC-J	0.0082 U
13B-0507-C2DS	2.5 - 3.5 ft	0.040 U	0.010 U	0.0064 U	0.0083 U
13B-0508-G3AS	0 - 0.5 ft	0.18 EMPC-J	0.12 J	0.91	0.68
13B-0509-C1AS	0 - 0.5 ft	0.27 U	0.076 J	25	5.2
13B-0509-C1BS	0.5 - 1.5 ft	0.13 U	0.0093 U	0.81	0.16 J
13B-0509-C1CS	1.5 - 2.5 ft	0.35 U	0.0068 U	0.030 U	0.037 U
13B-0509-C1ES	3.17 - 4.17 ft	0.41 U	0.010 U	0.033 U	0.046 U
13B-0510-C3AS	0 - 0.5 ft	0.13 U	0.096 J	8.4	3.5
13B-0510-C3BS	0.5 - 1.9 ft	0.072 U	0.033 J	0.58	0.26 J
13B-0511-C3AS	0 - 0.5 ft	0.15 UJ	0.43 J	22 J	14 J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0511-C3BS	0.5 - 1.5 ft	0.14 UJ	0.079 J	23 J	13 J
13B-0511-C3CS	1.5 - 2.5 ft	0.22 U	0.017 U	24	6.3
13B-0511-C3HS	5.95 - 6.95 ft	0.19 U	0.016 U	11	1.9
13B-0512-G1AS	0 - 0.5 ft	0.13 UJ	0.52 J	20 J	13 J
13B-0513-G1AS	0 - 0.5 ft	0.20 UJ	0.35 J	24 J	12 J
13B-0514-G1AS	0 - 0.5 ft	0.12 UJ	0.33 J	20 J	13 J
13B-0515-C1AS	0 - 0.5 ft	0.058 U	0.12 J	3.5	2.4
13B-0515-C1BS	0.5 - 1.71 ft	0.034 U	0.010 U	0.031 EMPC-J	0.024 U
13B-0515-C2CS	1.5 - 2.19 ft	0.038 U	0.010 U	0.040 J	0.0069 U
13B-0516-C2AS	0 - 0.5 ft	0.36 U	0.39 U	21	12
13B-0516-C2BS	0.5 - 1.5 ft	0.57 UJ	0.032 UJ	19 J	8.5 J
13B-0516-C2CS	1.5 - 2.5 ft	3.2 UJ	0.019 UJ	40 J	16 J
13B-0516-C2LS	10.4 - 11.4 ft	0.50 U	0.014 U	13	2.6
13B-0517-G2AS	0 - 0.5 ft	0.25 U	0.034 J	3.0	1.5
13B-0518-G1AS	0 - 0.5 ft	0.15 U	0.21 U	6.0	3.8
13B-0518-G1AT	0 - 0.5 ft	0.13 U	0.14 J	4.8	3.0
13B-0519-C2AS	0 - 0.5 ft	0.62 UJ	0.46 J	24 J	14 J
13B-0519-C2BS	0.5 - 1.5 ft	0.47 U	0.012 U	13	6.2
13B-0519-C2CS	1.5 - 2.5 ft	2.0 U	0.012 U	47	11
13B-0519-C2RS	16.1 - 17.1 ft	0.060 U	0.0075 U	0.018 U	0.0074 U
13B-0520-G1AS	0 - 0.5 ft	0.30 EMPC-J	0.45 J	39 J	21 J
13B-0521-C2AS	0 - 0.5 ft	0.089 U	0.054 J	3.3	1.7
13B-0521-C2BS	0.5 - 1.5 ft	0.052 U	0.038 J	2.9 J	1.6
13B-0521-C2CS	1.5 - 2.5 ft	0.075 U	0.046 J	6.8	4.0
13B-0521-C2HS	6.5 - 7.63 ft	0.43 UJ	0.014 UJ	100 J	16 J
13B-0522-G1AS	0 - 0.5 ft	0.10 UJ	0.41 J	20 J	13 J
13B-0522-G1AT	0 - 0.5 ft	0.13 UJ	0.47 J	25 J	17 J
13B-0523-G2AS	0 - 0.5 ft	0.57 UJ	0.64 J	22 J	15 J
13B-0524-C1AS	0 - 0.5 ft	0.19 UJ	0.10 J	28 J	16 J
13B-0524-C1BS	0.5 - 1.5 ft	0.20 UJ	0.037 EMPC-J	27 J	15 J
13B-0524-C1CS	1.5 - 2.5 ft	0.19 UJ	0.063 J	30 J	14 J
13B-0524-C1GS	5.39 - 6.39 ft	0.69 U	0.074 J	62	30
13B-0525-C1AS	0 - 0.5 ft	0.31 UJ	0.47 UJ	30 J	18 J
13B-0525-C1BS	0.5 - 1.5 ft	0.21 U	0.065 J	35	15

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0525-C1CS	1.5 - 2.5 ft	0.48 UJ	0.054 J	29 J	13 J
13B-0525-C1HS	6.42 - 7.42 ft	0.42 U	0.075 U	49	23
13B-0526-C1AS	0 - 0.5 ft	0.38 UJ	0.43 J	290 J	180 J
13B-0526-C1BS	0.5 - 1.5 ft	1.7 UJ	0.012 UJ	63 J	8.0 J
13B-0526-C1CS	1.5 - 2.5 ft	1.4 UJ	0.092 J	87 J	14 J
13B-0526-C1CT	1.5 - 2.5 ft	1.3 UJ	0.020 UJ	65 J	11 J
13B-0526-C1HS	6.5 - 7.62 ft	0.14 U	0.017 U	2.5	0.52
13B-0527-C2AS	0 - 0.5 ft	0.056 U	0.099 J	1.9	1.3
13B-0527-C2BS	0.5 - 1.5 ft	0.16 EMPC-J	0.011 U	0.069 J	0.012 U
13B-0527-C2CS	1.5 - 2.6 ft	0.034 U	0.011 U	0.071 J	0.010 U
13B-0528-C3AS	0 - 0.5 ft	0.16 UJ	0.59 J	23 J	14 J
13B-0528-C3BS	0.5 - 1.5 ft	0.63 UJ	0.0092 UJ	39 J	3.8 J
13B-0528-C3CS	1.5 - 2.5 ft	2.0 UJ	0.014 UJ	24 J	3.7 J
13B-0528-C3LS	10.5 - 11.54 ft	1.3 U	0.012 U	0.024 U	0.032 U
13B-0529-C2AS	0 - 0.5 ft	0.097 U	0.10 J	8.8	4.4
13B-0529-C2BS	0.5 - 1.5 ft	0.091 U	0.016 U	8.8	4.2
13B-0529-C2CS	1.5 - 2.5 ft	0.058 U	0.015 U	0.25 J	0.11 EMPC-J
13B-0529-C2ES	3.5 - 4.2 ft	0.045 U	0.014 U	0.012 U	0.015 U
13B-0530-C1AS	0 - 0.5 ft	0.38 J	0.068 EMPC-J	9.0	3.2
13B-0530-C1BS	0.5 - 1.5 ft	0.10 U	0.030 J	12	5.2
13B-0530-C3CS	1.5 - 1.93 ft	0.074 U	0.012 U	2.7	1.2
13B-0531-C2AS	0 - 0.5 ft	0.12 U	0.041 EMPC-J	2.6	1.4
13B-0531-C2AT	0 - 0.5 ft	0.75	0.082 J	3.7	2.1
13B-0531-C2BS	0.5 - 1.5 ft	0.081 U	0.0081 U	1.5	0.73
13B-0531-C2CS	1.5 - 2.5 ft	0.75 EMPC-J	0.0063 U	0.045 U	0.034 EMPC-J
13B-0531-C2ES	3.5 - 4.42 ft	0.083 U	0.0070 U	0.047 U	0.041 J
13B-0532-C1AS	0 - 0.5 ft	0.065 U	0.090 J	3.9	2.3
13B-0532-C1BS	0.5 - 1.5 ft	0.067 U	0.013 U	1.8	0.90
13B-0532-C1CS	1.5 - 2.5 ft	0.076 U	0.014 U	0.13 J	0.047 J
13B-0532-C1DS	2.5 - 3.73 ft	0.043 U	0.0079 U	0.0084 U	0.011 U
13B-0533-C2BS	0.5 - 1.5 ft	0.57 UJ	0.019 UJ	48 J	5.8 J
13B-0533-C2CS	1.5 - 2.5 ft	0.53 UJ	0.019 UJ	21 J	2.9 J
13B-0533-C3AS	0 - 0.5 ft	0.18 UJ	0.91 J	33 J	21 J
13B-0533-C3AT	0 - 0.5 ft	0.35 UJ	1.3 J	47 J	31 J

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0533-C3JS	8.5 - 9.35 ft	0.32 UJ	0.015 UJ	0.036 UJ	0.042 UJ
13B-0533-C3JT	8.5 - 9.35 ft	0.30 U	0.013 U	0.093 J	0.043 U
13B-0534-C2BS	0.5 - 1.5 ft	0.38 U	0.013 U	6.0	0.64
13B-0534-C2CS	1.5 - 2.5 ft	0.31 U	0.019 U	0.21 J	0.055 U
13B-0534-C2IS	7.5 - 8.59 ft	0.35 U	0.014 U	0.034 U	0.046 U
13B-0534-C3AS	0 - 0.5 ft	0.38 UJ	0.27 J	14 J	7.7 J
13B-0534-C3AT	0 - 0.5 ft	0.36 UJ	0.29 J	14 J	6.9 J
13B-0535-C2AS	0 - 0.5 ft	0.32 UJ	0.75 J	22 J	15 J
13B-0535-C2BS	0.5 - 1.5 ft	0.22 U	0.019 U	0.42 J	0.24 EMPC-J
13B-0535-C2CS	1.5 - 2.45 ft	0.10 U	0.0095 U	0.050 U	0.012 U
13B-0536-C1AS	0 - 0.5 ft	0.24 U	0.30 U	13	8.7
13B-0536-C1BS	0.5 - 1.5 ft	0.19 U	0.016 U	0.018 U	0.022 U
13B-0536-C1CS	1.5 - 2.5 ft	0.39 U	0.0071 U	0.043 U	0.028 U
13B-0536-C1FS	4.28 - 5.28 ft	1.6 U	0.0087 U	0.040 U	0.055 U
13B-0537-C3AS	0 - 0.5 ft	0.25 U	0.21 J	6.7	4.3
13B-0538-C3AS	0 - 0.5 ft	0.76 UJ	0.071 J	20 J	3.1 J
13B-0538-C3BS	0.5 - 1.5 ft	5.0 UJ	0.015 UJ	49 J	9.1 J
13B-0538-C3CS	1.5 - 2.5 ft	0.46 UJ	0.0098 UJ	26 J	4.8 J
13B-0538-C3ES	3.5 - 4.8 ft	0.18 U	0.0084 U	0.054 U	0.018 U
13B-0539-C2AS	0 - 0.5 ft	0.16 U	0.14 J	5.9	2.9
13B-0539-C2AT	0 - 0.5 ft	0.14 U	0.15 J	7.8	3.6
13B-0539-C3BS	0.5 - 1.5 ft	0.81 U	0.033 EMPC-J	1.0	0.23 J
13B-0539-C3CS	1.5 - 2.5 ft	0.55 U	0.0067 U	0.093 U	0.041 U
13B-0539-C3HS	6.5 - 7.59 ft	0.077 U	0.0074 U	0.025 U	0.012 U
13B-0540-C4AS	0 - 0.5 ft	0.19 UJ	0.71 J	30 J	20 J
13B-0540-C4BS	0.5 - 1.5 ft	0.17 U	0.11 J	14	6.8
13B-0540-C4CS	1.5 - 2.5 ft	0.72 UJ	0.0064 UJ	33 J	5.0 J
13B-0540-C4LS	10.3 - 11.25 ft	0.11 U	0.0056 U	0.057 U	0.041 U
13B-0541-C1AS	0 - 0.5 ft	0.15 UJ	0.36 J	14 J	7.1 J
13B-0541-C1BS	0.5 - 1.5 ft	0.20 U	0.0092 U	6.4	1.1
13B-0541-C1CS	1.5 - 2.5 ft	0.11 U	0.0092 U	2.1	0.33 J
13B-0541-C1FS	4.5 - 5.67 ft	0.25 J	0.0083 U	0.33 J	0.16 J
13B-0542-C2AS	0 - 0.5 ft	0.62 U	0.0078 U	0.27 J	0.16 J
13B-0542-C2BS	0.5 - 1.5 ft	0.10 U	0.0057 U	0.066 U	0.015 U

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0542-C2CS	1.5 - 2.5 ft	0.13 U	0.0073 U	0.042 U	0.017 U
13B-0542-C2HS	6.5 - 7.55 ft	0.35 J	0.040 EMPC-J	0.11 U	0.10 U
13B-0543-G1AS	0 - 0.5 ft	0.27 UJ	2.0 J	63 J	43 J
13B-0544-C2AS	0 - 0.5 ft	0.099 U	0.27 J	16	8.8
13B-0544-C2BS	0.5 - 1.5 ft	0.11 U	0.019 EMPC-J	14	6.4
13B-0544-C2CS	1.5 - 2.5 ft	0.19 U	0.047 J	26	11
13B-0544-C2ES	3 - 3.97 ft	0.18 U	0.0070 U	6.0	2.8
13B-0546-G2AS	0 - 0.5 ft	0.052 U	0.18 J	5.7	3.2
13B-0547-C2AS	0 - 0.5 ft	0.45 UJ	0.018 UJ	21 J	2.9 J
13B-0547-C2BS	0.5 - 1.5 ft	0.59 UJ	0.020 UJ	20 J	2.3 J
13B-0547-C2CS	1.5 - 2.05 ft	0.24 U	0.019 U	0.37 J	0.064 EMPC-J
13B-0547-C2HS	6.5 - 7.15 ft	0.10 U	0.017 U	0.031 J	0.015 U
13B-0547-C5AAS	0 - 0.25 ft	0.32 UJ	1.1 J	33 J	21 J
13B-0547-C5ABS	0.25 - 0.5 ft	0.40 UJ	1.0 J	33 J	21 J
13B-0547-C5ACS	0.5 - 0.75 ft	2.3 UJ	0.39 J	35 J	11 J
13B-0547-C5ADS	0.75 - 1 ft	2.3 UJ	0.020 UJ	48 J	5.6 J
13B-0547-C5AES	1 - 1.25 ft	2.7 UJ	0.016 UJ	47 J	5.6 J
13B-0547-C5AFS	1.25 - 1.5 ft	1.5 U	0.016 U	36	4.6
13B-0547-C5AGS	1.5 - 1.75 ft	3.5 UJ	0.015 UJ	37 J	3.5 J
13B-0547-C5AHS	1.75 - 2 ft	2.0 U	0.012 U	150	63
13B-0547-C5AIS	2 - 2.25 ft	0.28 U	0.0077 U	5.1	0.67
13B-0547-C5AJS	2.25 - 2.5 ft	1.1 U	0.011 U	0.31 J	0.058 U
13B-0547-C5AKS	2.5 - 2.75 ft	0.25 U	0.0087 U	0.14 EMPC-J	0.019 U
13B-0547-C5ALS	2.75 - 3 ft	0.16 U	0.0070 U	0.18 J	0.039 EMPC-J
13B-0548-C1AS	0 - 0.5 ft	0.64 U	0.16 J	14	8.6
13B-0548-C1BS	0.5 - 1.5 ft	0.43 U	0.10 J	14	9.1
13B-0548-C1BT	0.5 - 1.5 ft	0.41 U	0.12 EMPC-J	19	12
13B-0548-C1CS	1.5 - 2.5 ft	0.71 U	0.0088 U	4.0 J	1.8
13B-0548-C1IS	7.5 - 8.79 ft	0.069 U	0.0065 U	0.0062 U	0.0080 U
13B-0549-C2AS	0 - 0.5 ft	0.056 U	0.096 J	2.6	1.8
13B-0549-C3BS	0.5 - 1.5 ft	0.14 U	0.0057 U	0.026 U	0.021 U
13B-0549-C3CS	1.5 - 2.65 ft	0.44 U	0.0079 U	0.023 U	0.030 U
13B-0550-C3AS	0 - 0.5 ft	0.14 UJ	0.28 J	23 J	15 J
13B-0550-C3BS	0.5 - 1.5 ft	0.088 U	0.011 U	3.9	2.1

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
	Unit	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	0.16	0.016	0.017	0.026
	Maximum Detect	1.8	2.2	290	180
	Mean of Detects	0.547	0.269	19.8	8.75
	St. Dev. of Detects	0.489	0.368	27.6	15.0
	CV of Detects	0.895	1.37	1.40	1.72
	% Detected	3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0550-C3CS	1.5 - 2.5 ft	0.072 U	0.014 U	0.023 U	0.028 U
13B-0550-C3FS	4.5 - 5.37 ft	0.088 U	0.024 U	0.24 J	0.047 U
13B-0551-C2AS	0 - 0.5 ft	0.11 U	0.22 J	40	22
13B-0552-C3AS	0 - 0.5 ft	0.14 UJ	0.89 J	23 J	15 J
13B-0552-C3BS	0.5 - 1.5 ft	0.53 U	0.032 J	15	6.5
13B-0552-C3CS	1.5 - 2.38 ft	1.4 U	0.016 EMPC-J	20	3.5
13B-0552-C3CT	1.5 - 2.38 ft	0.27 U	0.0087 U	23	4.0
13B-0553-C2AS	0 - 0.5 ft	0.10 U	0.13 J	6.3	3.6
13B-0553-C2BS	0.5 - 1.5 ft	0.14 U	0.0056 U	0.080 U	0.020 U
13B-0553-C2CS	1.5 - 2.5 ft	0.44 U	0.0060 U	0.029 U	0.038 U
13B-0553-C2DS	2.5 - 3.5 ft	0.84 U	0.0083 U	0.043 U	0.056 U
13B-0554-C1BS	0.5 - 1.5 ft	0.16 U	0.056 J	20	10
13B-0554-C1CS	1.5 - 2.5 ft	0.22 U	0.033 J	26	14
13B-0554-C1ES	3.5 - 4.7 ft	0.11 U	0.0045 U	0.099 U	0.037 J
13B-0554-C4AS	0 - 0.5 ft	0.12 U	0.23 J	51 J	23 J
13B-0555-C1AS	0 - 0.5 ft	0.37 UJ	0.072 J	38 J	6.2 J
13B-0555-C1BS	0.5 - 1.22 ft	0.34 U	0.012 U	15	2.0
13B-0555-C2CS	1.5 - 2 ft	0.48 UJ	0.014 UJ	60 J	9.3 J
13B-0555-C2DS	2 - 3 ft	0.44 UJ	0.019 UJ	21 J	3.1 J
13B-0556-C2AS	0 - 0.5 ft	0.13 UJ	0.31 J	28 J	14 J
13B-0556-C2BS	0.5 - 1.5 ft	0.12 U	0.10 J	25	12
13B-0556-C2CS	1.5 - 2.38 ft	0.096 U	0.013 U	29	11
13B-0557-C2AS	0 - 0.5 ft	0.20 UJ	0.13 J	26 J	14 J
13B-0557-C2BS	0.5 - 1.5 ft	0.30 UJ	0.12 J	27 J	15 J
13B-0557-C2CS	1.5 - 2.5 ft	0.30 U	0.045 J	47	23
13B-0557-C2ES	3.5 - 4.5 ft	0.23 U	0.018 U	22	6.6
13B-0558-C2AS	0 - 0.5 ft	0.13 UJ	0.31 J	12 J	8.1 J
13B-0558-C2BS	0.5 - 1.5 ft	0.13 U	0.015 U	3.2	1.5
13B-0558-C2CS	1.5 - 2.5 ft	0.52 U	0.013 U	0.083 U	0.042 U
13B-0558-C2FS	4.5 - 5.75 ft	0.063 U	0.012 U	1.2	0.36 J
13B-0559-C3AS	0 - 0.5 ft	0.14 U	0.076 EMPC-J	11	5.6
13B-0559-C3BS	0.5 - 1.5 ft	0.13 U	0.048 J	16	7.7
13B-0559-C3CS	1.5 - 2.5 ft	0.23 U	0.038 J	23	11
13B-0559-C3GS	5.5 - 6 ft	0.18 U	0.022 U	48	19

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.16	0.016	0.017	0.026
Maximum Detect		1.8	2.2	290	180
Mean of Detects		0.547	0.269	19.8	8.75
St. Dev. of Detects		0.489	0.368	27.6	15.0
CV of Detects		0.895	1.37	1.40	1.72
% Detected		3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0560-C1AS	0 - 0.5 ft	0.10 U	0.16 J	7.0	3.7
13B-0560-C1BS	0.5 - 1.5 ft	0.12 U	0.066 J	17	7.7
13B-0560-C1CS	1.5 - 2.5 ft	1.8 EMPC-J	0.090 J	37 J	19 J
13B-0560-C1GS	5.14 - 5.86 ft	0.33 U	0.011 U	0.031 J	0.011 U
13B-0561-C1AS	0 - 0.5 ft	0.29 U	0.13 J	36	7.9
13B-0561-C1BS	0.5 - 1.5 ft	0.17 U	0.016 U	18	3.4
13B-0561-C1CS	1.5 - 2.5 ft	0.23 U	0.012 U	7.2	1.5
13B-0561-C1GS	5.5 - 6.5 ft	0.061 U	0.015 U	0.013 U	0.016 U
13B-0562-G2AS	0 - 0.5 ft	0.11 U	0.54	12	8.0
13B-0563-C1AS	0 - 0.5 ft	0.086 U	0.14 EMPC-J	4.4	2.6
13B-0563-C1AT	0 - 0.5 ft	0.048 U	0.13 J	3.8	2.3
13B-0563-C2BS	0.5 - 1.1 ft	0.025 U	0.014 U	1.1	0.65
13B-0563-C2CS	1.1 - 2.5 ft	0.14 UJ	0.011 UJ	0.94 J	0.29 J
13B-0563-C2IS	7.5 - 8.28 ft	0.096 U	0.013 U	1.1	0.33 J
13B-0564-G2AS	0 - 0.5 ft	0.17 UJ	1.2 J	28 J	18 J
13B-0565-G1AS	0 - 0.5 ft	0.073 U	0.27 J	9.2	6.2
13B-0566-G3AS	0 - 0.5 ft	0.069 U	0.10 J	2.7	1.8
13B-0567-G2AS	0 - 0.5 ft	0.20 UJ	0.58 J	31 J	20 J
13B-0568-G2AS	0 - 0.5 ft	0.18 UJ	0.047 J	16 J	3.0 J
13B-0571-C3AS	0 - 0.5 ft	0.11 UJ	0.42 J	36 J	18 J
13B-0571-C3BS	0.5 - 1.5 ft	0.068 U	0.020 U	56	22
13B-0571-C3CS	1.5 - 2.5 ft	0.041 U	0.019 U	9.4	5.1
13B-0571-C3MS	11 - 12 ft	0.20 U	0.0082 U	0.20 J	0.071 U
13B-0572-C1AS	0 - 0.5 ft	0.052 U	0.024 EMPC-J	0.80	0.56
13B-0572-C1BS	0.5 - 1.5 ft	0.35 U	0.019 U	0.035 U	0.049 U
13B-0572-C1CS	1.5 - 2.27 ft	0.43 U	0.017 U	0.047 U	0.056 U
13B-0573-C2AS	0 - 0.5 ft	0.084 U	0.13 J	8.4	5.0
13B-0573-C2BS	0.5 - 1.5 ft	0.10 U	0.14 J	7.2	4.0
13B-0573-C2CS	1.5 - 2.5 ft	0.065 U	0.012 U	4.0	1.1
13B-0573-C2DS	2.5 - 3.75 ft	0.031 U	0.012 U	0.013 U	0.015 U
13B-0574-C2AS	0 - 0.5 ft	0.12 U	0.073 J	9.8	2.7
13B-0574-C2BS	0.5 - 1.5 ft	0.17 U	0.019 U	17	4.1
13B-0574-C2CS	1.5 - 2.5 ft	0.12 U	0.014 U	8.7	1.9
13B-0574-C2HS	6.4 - 7.4 ft	0.13 U	0.018 U	9.2	1.9

APPENDIX I
DATA RESULTS SUMMARY
Pesticide-HR

Analytic Method		WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
Analyte		Methoxychlor	Oxy-chlordane	trans-Chlordane	trans-Nonachlor
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.16	0.016	0.017	0.026
Maximum Detect		1.8	2.2	290	180
Mean of Detects		0.547	0.269	19.8	8.75
St. Dev. of Detects		0.489	0.368	27.6	15.0
CV of Detects		0.895	1.37	1.40	1.72
% Detected		3.63	42.7	82.7	77.4
Sample ID	Depth Interval				
13B-0575-C4AS	0 - 0.5 ft	2.9 UJ	0.15 J	18 J	9.1 J
13B-0575-C4BS	0.5 - 1.5 ft	0.21 U	0.0071 U	13	1.9
13B-0575-C4CS	1.5 - 2.5 ft	0.066 U	0.0066 U	0.075 U	0.042 U
13B-0575-C4FS	4.3 - 5.44 ft	0.070 U	0.0061 U	0.049 U	0.012 U
13B-0577-G1AS	0 - 0.5 ft	0.14 UJ	2.2 J	42 J	30 J
13B-0578-C5AS	0 - 0.5 ft	0.29 U	0.012 U	0.97	0.55
13B-0578-C5BS	0.5 - 1.5 ft	0.30 U	0.0093 U	2.1	0.66
13B-0578-C5CS	1.5 - 2.5 ft	1.1 U	0.014 U	0.043 U	0.055 U
13B-0578-C5CT	1.5 - 2.5 ft	0.89 U	0.013 U	0.035 U	0.045 U
13B-0578-C5GS	5.25 - 6.25 ft	0.10 U	0.0092 U	0.031 U	0.026 J

Notes:
% = percent
ft = feet
ug/kg = microgram per kilogram
CV = Coefficient of Variation
HR = High Resolution
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit quantitation necessary to accurately and precisely measure the analyte in the sample.
EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration

APPENDIX I
DATA RESULTS SUMMARY
Rad-Pb210 as Po210-Cs137

Analytic Method		**Alpha HASL 300**	**Gamma HASL 300**	**Gamma HASL 300**
Analyte		**Polonium-210**	**Cesium-137**	**Radium-226**
Unit		**pCi/g**	**pCi/g**	**pCi/g**
Minimum Detect		**0.17**	**0.0159**	**0.399**
Maximum Detect		**7.17**	**0.697**	**1.42**
Mean of Detects		**1.42**	**0.329**	**0.776**
St. Dev. of Detects		**1.63**	**0.221**	**0.234**
CV of Detects		**1.15**	**0.673**	**0.301**
% Detected		**100**	**42.3**	**100**
Sample ID	**Depth Interval**			
13B-0547-C5AAS	0 - 0.25 ft	5.32	0.236	0.757
13B-0547-C5ABS	0.25 - 0.5 ft	7.17 J	0.243	0.760
13B-0547-C5ACS	0.5 - 0.75 ft	3.79 J	0.292	0.535 J
13B-0547-C5ADS	0.75 - 1 ft	2.16 J	0.487	R
13B-0547-C5AES	1 - 1.25 ft	1.53 J	0.645	1.04
13B-0547-C5AFS	1.25 - 1.5 ft	1.10 J	0.514	0.781
13B-0547-C5AGS	1.5 - 1.75 ft	1.81 J	0.697	0.998
13B-0547-C5AHS	1.75 - 2 ft	1.17 J	0.329	0.786
13B-0547-C5AIS	2 - 2.25 ft	1.03 J	0.0466	0.826
13B-0547-C5AJS	2.25 - 2.5 ft	2.61 J	0.0186 U	1.42
13B-0547-C5AKS	2.5 - 2.75 ft	0.611 J	0.0107 U	0.765
13B-0547-C5ALS	2.75 - 3 ft	0.435 J	-0.00257 U	0.660
13B-0578-C8AAS	0 - 0.25 ft	0.697	0.110	0.578
13B-0578-C8ABS	0.25 - 0.5 ft	0.419	0.0159	0.513
13B-0578-C8ACS	0.5 - 0.75 ft	0.224	0.00322 U	0.399
13B-0578-C8ADS	0.75 - 1 ft	0.617 J	-0.00415 U	0.848
13B-0578-C8AES	1 - 1.25 ft	0.830 J	-0.00375 U	0.880
13B-0578-C8AFS	1.25 - 1.5 ft	1.13 J	-0.00194 U	1.01
13B-0578-C8AGS	1.5 - 1.75 ft	0.241	0.00252 U	0.426
13B-0578-C8AHS	1.75 - 2 ft	0.493	0.00127 U	0.705
13B-0578-C8AIS	2 - 2.25 ft	1.08 J	0.00465 U	1.06
13B-0578-C8AJS	2.25 - 2.5 ft	0.906 J	-0.0122 U	0.981
13B-0578-C8AKS	2.5 - 2.75 ft	0.635 J	-0.00241 U	0.893
13B-0578-C8ALS	2.75 - 3 ft	0.523 J	0.00312 U	0.813
13B-0578-C8BCS	7 - 7.25 ft	0.170 J	-0.00502 U	0.459
13B-0578-C8BDS	7.25 - 7.5 ft	0.243	-0.00148 U	0.511

Notes:
% = percent
ft = feet
pCi/g = pico curries per gram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
R = Rejected data

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0501-C2AS	0 - 0.5 ft	2.59
13B-0501-C2BS	0.5 - 1.5 ft	2.58
13B-0501-C2CS	1.5 - 2.5 ft	2.5
13B-0501-C2DS	2.5 - 3.32 ft	2.58
13B-0502-C2BS	0.5 - 1.5 ft	2.62
13B-0502-G1AS	0 - 0.5 ft	2.68
13B-0503-C1BS	0.5 - 1.5 ft	2.7
13B-0503-C1CS	1.5 - 2.5 ft	2.68
13B-0503-C2AS	0 - 0.5 ft	2.71
13B-0504-C2AS	0 - 0.5 ft	2.51
13B-0504-C2BS	0.5 - 1.5 ft	2.51
13B-0504-C2CS	1.5 - 2.5 ft	2.46
13B-0504-C4KS	9.5 - 10.25 ft	2.63
13B-0505-C1BS	0.5 - 1.5 ft	2.61
13B-0505-C2CS	1.5 - 2.5 ft	2.63
13B-0505-C2FS	4.5 - 5.33 ft	2.63
13B-0505-G2AS	0 - 0.5 ft	2.6
13B-0506-C2CS	1.5 - 2.5 ft	2.68
13B-0506-C3BS	0.5 - 1.44 ft	2.65
13B-0506-G1AS	0 - 0.5 ft	2.61
13B-0507-C2BS	0.5 - 1.5 ft	2.68
13B-0507-C2CS	1.5 - 2.5 ft	2.67
13B-0507-C3AS	0 - 0.5 ft	2.57
13B-0507-C3DS	2.5 - 3.3 ft	2.65
13B-0508-G3AS	0 - 0.5 ft	2.71
13B-0509-C1ES	3.17 - 4.17 ft	2.49
13B-0509-C2BS	0.5 - 1.5 ft	2.58
13B-0509-C2CS	1.5 - 2.5 ft	2.62
13B-0510-C1AS	0 - 0.5 ft	2.56
13B-0510-C1BS	0.5 - 1.7 ft	2.7
13B-0511-C1AS	0 - 0.5 ft	2.46
13B-0511-C1BS	0.5 - 1.5 ft	2.56
13B-0511-C1CS	1.5 - 2.5 ft	2.52
13B-0511-C3HS	5.95 - 6.95 ft	2.58
13B-0512-G1AS	0 - 0.5 ft	2.56
13B-0513-G1AS	0 - 0.5 ft	2.5
13B-0514-G1AS	0 - 0.5 ft	2.52
13B-0515-C1BS	0.5 - 1.71 ft	2.69
13B-0515-C2AS	0 - 0.5 ft	2.53
13B-0515-C2CS	1.5 - 2.19 ft	2.66
13B-0516-C2CS	1.5 - 2.5 ft	2.43
13B-0516-C2LS	10.4 - 11.4 ft	2.57
13B-0516-C3AS	0 - 0.5 ft	2.46
13B-0516-C3BS	0.5 - 1.5 ft	2.44

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0517-G2AS	0 - 0.5 ft	2.68
13B-0518-G1AS	0 - 0.5 ft	2.56
13B-0518-G1AT	0 - 0.5 ft	2.6
13B-0519-C2BS	0.5 - 1.5 ft	2.62
13B-0519-C2CS	1.5 - 2.5 ft	2.61
13B-0519-C2RS	16.1 - 17.1 ft	2.67
13B-0519-C5AS	0 - 0.5 ft	2.62
13B-0520-G1AS	0 - 0.5 ft	2.54
13B-0521-C2HS	6.5 - 7.63 ft	2.39
13B-0521-C3AS	0 - 0.5 ft	2.66
13B-0521-C3BS	0.5 - 1.5 ft	2.65
13B-0521-C3CS	1.5 - 2.5 ft	2.58
13B-0522-G1AS	0 - 0.5 ft	2.59
13B-0522-G1AT	0 - 0.5 ft	2.51
13B-0523-G2AS	0 - 0.5 ft	2.57
13B-0524-C1BS	0.5 - 1.5 ft	2.51
13B-0524-C1CS	1.5 - 2.5 ft	2.55
13B-0524-C1GS	5.39 - 6.39 ft	2.4
13B-0524-G1AS	0 - 0.5 ft	2.52
13B-0525-C1BS	0.5 - 1.5 ft	2.57
13B-0525-C1CS	1.5 - 2.5 ft	2.56
13B-0525-C1HS	6.42 - 7.42 ft	2.55
13B-0525-C2AS	0 - 0.5 ft	2.52
13B-0526-C1BS	0.5 - 1.5 ft	2.5
13B-0526-C1HS	6.5 - 7.62 ft	2.66
13B-0526-C2AS	0 - 0.5 ft	2.58
13B-0526-C2CS	1.5 - 2.5 ft	2.46
13B-0526-C2CT	1.5 - 2.5 ft	2.47
13B-0527-C3BS	0.5 - 1.5 ft	2.64
13B-0527-C3CS	1.5 - 2.31 ft	2.64
13B-0527-C4AS	0 - 0.5 ft	2.69
13B-0528-C3CS	1.5 - 2.5 ft	2.51
13B-0528-C3LS	10.5 - 11.54 ft	2.59
13B-0528-C4AS	0 - 0.5 ft	2.51
13B-0528-C4BS	0.5 - 1.5 ft	2.44
13B-0529-C2BS	0.5 - 1.5 ft	2.69
13B-0529-C2CS	1.5 - 2.5 ft	2.64
13B-0529-C2ES	3.5 - 4.2 ft	2.66
13B-0529-C3AS	0 - 0.5 ft	2.64
13B-0530-C4AS	0 - 0.5 ft	2.55
13B-0530-C4BS	0.5 - 1.5 ft	2.62
13B-0530-C4CS	1.5 - 1.62 ft	2.6
13B-0531-C1BS	0.5 - 1.5 ft	2.66
13B-0531-C1CS	1.5 - 2.3 ft	2.64

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0531-C2ES	3.5 - 4.42 ft	2.66
13B-0531-C3AS	0 - 0.5 ft	2.58
13B-0531-C3AT	0 - 0.5 ft	2.54
13B-0532-C1BS	0.5 - 1.5 ft	2.66
13B-0532-C1CS	1.5 - 2.5 ft	2.69
13B-0532-C1DS	2.5 - 3.73 ft	2.67
13B-0532-C2AS	0 - 0.5 ft	2.57
13B-0533-C3BS	0.5 - 1.5 ft	2.42
13B-0533-C3CS	1.5 - 2.5 ft	2.47
13B-0533-C3JS	8.5 - 9.35 ft	2.54
13B-0533-C3JT	8.5 - 9.35 ft	2.56
13B-0533-G1AS	0 - 0.5 ft	2.5
13B-0533-G1AT	0 - 0.5 ft	2.49
13B-0534-C2BS	0.5 - 1.5 ft	2.46
13B-0534-C2CS	1.5 - 2.5 ft	2.41
13B-0534-C2IS	7.5 - 8.59 ft	2.51
13B-0534-G1AS	0 - 0.5 ft	2.47
13B-0534-G1AT	0 - 0.5 ft	2.48
13B-0535-C2BS	0.5 - 1.5 ft	2.65
13B-0535-C2CS	1.5 - 2.45 ft	2.66
13B-0535-G1AS	0 - 0.5 ft	2.47
13B-0536-C1BS	0.5 - 1.5 ft	2.65
13B-0536-C1CS	1.5 - 2.5 ft	2.64
13B-0536-C1FS	4.28 - 5.28 ft	2.58
13B-0536-C3AS	0 - 0.5 ft	2.54
13B-0537-C2AS	0 - 0.5 ft	2.62
13B-0538-C2AS	0 - 0.5 ft	2.51
13B-0538-C3BS	0.5 - 1.5 ft	2.36
13B-0538-C3CS	1.5 - 2.5 ft	2.54
13B-0538-C3ES	3.5 - 4.8 ft	2.64
13B-0539-C3BS	0.5 - 1.5 ft	2.47
13B-0539-C3CS	1.5 - 2.5 ft	2.51
13B-0539-C3HS	6.5 - 7.59 ft	2.69
13B-0539-G2AS	0 - 0.5 ft	2.58
13B-0539-G2AT	0 - 0.5 ft	2.54
13B-0540-C3AS	0 - 0.5 ft	2.48
13B-0540-C3BS	0.5 - 1.5 ft	2.59
13B-0540-C3CS	1.5 - 2.5 ft	2.52
13B-0540-C4LS	10.3 - 11.25 ft	2.7
13B-0541-C1CS	1.5 - 2.5 ft	2.6
13B-0541-C1FS	4.5 - 5.67 ft	2.66
13B-0541-C2AS	0 - 0.5 ft	2.59
13B-0541-C2BS	0.5 - 1.5 ft	2.65
13B-0542-C2BS	0.5 - 1.5 ft	2.58

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0542-C2CS	1.5 - 2.5 ft	2.66
13B-0542-C2HS	6.5 - 7.55 ft	2.65
13B-0542-C3AS	0 - 0.5 ft	2.55
13B-0543-G1AS	0 - 0.5 ft	2.42
13B-0544-C1AS	0 - 0.5 ft	2.6
13B-0544-C1ES	3.5 - 4.33 ft	2.66
13B-0544-C2BS	0.5 - 1.5 ft	2.55
13B-0544-C2CS	1.5 - 2.5 ft	2.54
13B-0546-G2AS	0 - 0.5 ft	2.57
13B-0547-C2HS	6.5 - 7.15 ft	2.7
13B-0547-C3BS	0.5 - 1.5 ft	2.48
13B-0547-C3CS	1.5 - 2.5 ft	2.53
13B-0547-G1AS	0 - 0.5 ft	2.52
13B-0548-C1IS	7.5 - 8.79 ft	2.5
13B-0548-C2AS	0 - 0.5 ft	2.46
13B-0548-C2BS	0.5 - 1.5 ft	2.55
13B-0548-C2BT	0.5 - 1.5 ft	2.56
13B-0548-C2CS	1.5 - 2.5 ft	2.59
13B-0549-C2AS	0 - 0.5 ft	2.62
13B-0549-C3BS	0.5 - 1.5 ft	2.39
13B-0549-C3CS	1.5 - 2.65 ft	2.6
13B-0550-C1AS	0 - 0.5 ft	2.52
13B-0550-C3BS	0.5 - 1.5 ft	2.62
13B-0550-C3CS	1.5 - 2.5 ft	2.63
13B-0550-C3FS	4.5 - 5.37 ft	2.62
13B-0551-C2BS	0.5 - 0.88 ft	2.59
13B-0551-G2AS	0 - 0.5 ft	2.58
13B-0552-C1BS	0.5 - 1.5 ft	2.4
13B-0552-C2AS	0 - 0.5 ft	2.47
13B-0552-C2CS	1.5 - 2.5 ft	2.72
13B-0552-C2CT	1.5 - 2.5 ft	2.53
13B-0553-C1AS	0 - 0.5 ft	2.57
13B-0553-C2BS	0.5 - 1.5 ft	2.67
13B-0553-C2CS	1.5 - 2.5 ft	2.68
13B-0554-C1BS	0.5 - 1.5 ft	2.53
13B-0554-C1CS	1.5 - 2.5 ft	2.6
13B-0554-C1ES	3.5 - 4.7 ft	2.61
13B-0554-G2AS	0 - 0.5 ft	2.57
13B-0555-C2AS	0 - 0.5 ft	2.5
13B-0555-C2BS	0.5 - 1.5 ft	2.46
13B-0555-C2CS	1.5 - 2 ft	2.39
13B-0555-C2DS	2 - 3 ft	2.54
13B-0556-C1BS	0.5 - 1.5 ft	2.6
13B-0556-C1CS	1.5 - 2.5 ft	2.64

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0556-C3AS	0 - 0.5 ft	2.53
13B-0557-C1AS	0 - 0.5 ft	2.56
13B-0557-C2BS	0.5 - 1.5 ft	2.3
13B-0557-C2CS	1.5 - 2.5 ft	2.55
13B-0557-C2ES	3.5 - 4.5 ft	2.57
13B-0558-C2CS	1.5 - 2.5 ft	2.6
13B-0558-C2FS	4.5 - 5.75 ft	2.7
13B-0558-C3AS	0 - 0.5 ft	2.63
13B-0558-C3BS	0.5 - 1.5 ft	2.63
13B-0559-C2BS	0.5 - 1.5 ft	2.64
13B-0559-C2CS	1.5 - 2.5 ft	2.52
13B-0559-C2GS	5.5 - 646 ft	2.65
13B-0559-G1AS	0 - 0.5 ft	2.63
13B-0560-C3AS	0 - 0.5 ft	2.54
13B-0560-C3BS	0.5 - 1.5 ft	2.5
13B-0560-C3CS	1.5 - 2.5 ft	2.37
13B-0560-C3GS	4.9 - 6.5 ft	2.73
13B-0561-C1CS	1.5 - 2.5 ft	2.59
13B-0561-C2AS	0 - 0.5 ft	2.59
13B-0561-C2BS	0.5 - 1.5 ft	2.58
13B-0562-G1AS	0 - 0.5 ft	2.53
13B-0563-C1BS	0.5 - 1.5 ft	2.65
13B-0563-C1CS	1.5 - 2.5 ft	2.41
13B-0563-G1AS	0 - 0.5 ft	2.59
13B-0563-G1AT	0 - 0.5 ft	2.6
13B-0564-G2AS	0 - 0.5 ft	2.44
13B-0565-G1AS	0 - 0.5 ft	2.66
13B-0566-G3AS	0 - 0.5 ft	2.66
13B-0567-G2AS	0 - 0.5 ft	2.17
13B-0568-G2AS	0 - 0.5 ft	2.59
13B-0571-C4AS	0 - 0.5 ft	2.52
13B-0571-C4BS	0.5 - 1.5 ft	2.56
13B-0571-C4CS	1.5 - 2.5 ft	2.64
13B-0571-C4MS	11.5 - 12.5 ft	2.68
13B-0572-C1BS	0.5 - 1.5 ft	2.58
13B-0572-C1CS	1.5 - 2.27 ft	2.56
13B-0573-C2BS	0.5 - 1.5 ft	2.61
13B-0573-C2CS	1.5 - 2.5 ft	2.66
13B-0573-C2DS	2.5 - 3.75 ft	2.67
13B-0573-C4AS	0 - 0.5 ft	2.58
13B-0574-C1BS	0.5 - 1.5 ft	2.51
13B-0574-C1CS	1.5 - 2.5 ft	2.53
13B-0574-C2HS	6.4 - 7.4 ft	2.59
13B-0574-G2AS	0 - 0.5 ft	2.67

APPENDIX I
DATA RESULTS SUMMARY
Specific Gravity

	Analytic Method	**D854**
	Analyte	**SPECIFIC GRAVITY**
	Unit	**none**
	Minimum Detect	**2.17**
	Maximum Detect	**2.73**
	Mean of Detects	**2.57**
	St. Dev. of Detects	**0.0877**
	CV of Detects	**0.0341**
	% Detected	**100**
Sample ID	**Depth Interval**	
13B-0575-C1AS	0 - 0.5 ft	2.62
13B-0575-C1BS	0.5 - 1.5 ft	2.27
13B-0575-C4CS	1.5 - 2.5 ft	2.61
13B-0575-C4FS	4.3 - 5.44 ft	2.63
13B-0577-G1AS	0 - 0.5 ft	2.41
13B-0578-C5GS	5.25 - 6.25 ft	2.67
13B-0578-C6AS	0 - 0.5 ft	2.59
13B-0578-C6CS	1.5 - 2.5 ft	2.68
13B-0578-C6CT	1.5 - 2.5 ft	2.66
13B-0578-C7BS	0.5 - 1.5 ft	2.61

Notes:
% = percent
ft = feet
CV = Coefficient of Variation
St. Dev. = Standard Deviation

APPENDIX I
DATA RESULTS SUMMARY
Sulfide

Analytic Method		**SW9030B**
Analyte		**Total Sulfide**
Unit		**mg/kg**
Minimum Detect		**0.41**
Maximum Detect		**2530**
Mean of Detects		**241**
St. Dev. of Detects		**472**
CV of Detects		**1.96**
% Detected		**98.7**
Sample ID	**Depth Interval**	
13B-0501-G2AS	0 - 0.5 ft	83
13B-0502-G1AS	0 - 0.5 ft	5.76
13B-0503-G1AS	0 - 0.5 ft	12.8
13B-0504-G1AS	0 - 0.5 ft	369 J
13B-0505-G2AS	0 - 0.5 ft	40 J
13B-0506-G1AS	0 - 0.5 ft	282
13B-0507-G1AS	0 - 0.5 ft	718
13B-0508-G3AS	0 - 0.5 ft	0.41 J
13B-0511-G1AS	0 - 0.5 ft	93 J
13B-0511-G1AT	0 - 0.5 ft	92 J
13B-0512-G1AS	0 - 0.5 ft	120 J
13B-0513-G1AS	0 - 0.5 ft	777 J
13B-0513-G1AT	0 - 0.5 ft	846 J
13B-0514-G1AS	0 - 0.5 ft	467 J
13B-0515-G1AS	0 - 0.5 ft	985 J
13B-0516-G2AS	0 - 0.5 ft	21.8 J
13B-0517-G2AS	0 - 0.5 ft	0.63 U
13B-0518-G1AS	0 - 0.5 ft	28.3
13B-0519-G1AS	0 - 0.5 ft	61.3
13B-0520-G1AS	0 - 0.5 ft	599 J
13B-0521-G1AS	0 - 0.5 ft	12.8
13B-0522-G1AS	0 - 0.5 ft	63 J
13B-0523-G2AS	0 - 0.5 ft	35.9 J
13B-0524-G1AS	0 - 0.5 ft	218 J
13B-0525-G1AS	0 - 0.5 ft	85 J
13B-0526-G1AS	0 - 0.5 ft	22.2
13B-0527-G1AS	0 - 0.5 ft	2170 J
13B-0528-G2AS	0 - 0.5 ft	30.9 J
13B-0529-G1AS	0 - 0.5 ft	18.7 J
13B-0529-G1AT	0 - 0.5 ft	61.2 J
13B-0530-G2AS	0 - 0.5 ft	63 J
13B-0530-G2AT	0 - 0.5 ft	32.3 J
13B-0531-G1AS	0 - 0.5 ft	29
13B-0532-G1AS	0 - 0.5 ft	30.0
13B-0533-G1AS	0 - 0.5 ft	435 J
13B-0534-G1AS	0 - 0.5 ft	410 J
13B-0535-G1AS	0 - 0.5 ft	143 J
13B-0536-G1AS	0 - 0.5 ft	316
13B-0537-G2AS	0 - 0.5 ft	40.2
13B-0538-G1AS	0 - 0.5 ft	2530 J
13B-0539-G2AS	0 - 0.5 ft	408 J
13B-0540-G2AS	0 - 0.5 ft	247 J
13B-0541-G1AS	0 - 0.5 ft	28.1 J
13B-0542-G1AS	0 - 0.5 ft	109
13B-0543-G1AS	0 - 0.5 ft	626 J
13B-0544-G1AS	0 - 0.5 ft	37.0 J
13B-0546-G2AS	0 - 0.5 ft	27.0 J
13B-0547-G1AS	0 - 0.5 ft	31.3 J
13B-0548-G1AS	0 - 0.5 ft	38.7

APPENDIX I
DATA RESULTS SUMMARY
Sulfide

Analytic Method		**SW9030B**
Analyte		**Total Sulfide**
Unit		**mg/kg**
Minimum Detect		**0.41**
Maximum Detect		**2530**
Mean of Detects		**241**
St. Dev. of Detects		**472**
CV of Detects		**1.96**
% Detected		**98.7**
Sample ID	**Depth Interval**	
13B-0549-G1AS	0 - 0.5 ft	40.5 J
13B-0550-G1AS	0 - 0.5 ft	141
13B-0551-C1AS	0 - 0.5 ft	143
13B-0552-G2AS	0 - 0.5 ft	62.1 J
13B-0553-G2AS	0 - 0.5 ft	24.4 J
13B-0553-G2AT	0 - 0.5 ft	48.4 J
13B-0554-G2AS	0 - 0.5 ft	32.8
13B-0555-G1AS	0 - 0.5 ft	2200 J
13B-0556-G1AS	0 - 0.5 ft	74 J
13B-0557-G1AS	0 - 0.5 ft	174 J
13B-0558-G1AS	0 - 0.5 ft	42.6
13B-0559-G1AS	0 - 0.5 ft	15.6
13B-0560-G1AS	0 - 0.5 ft	7.80
13B-0561-G3AS	0 - 0.5 ft	53 J
13B-0562-G1AS	0 - 0.5 ft	11.7
13B-0563-G1AS	0 - 0.5 ft	6.27
13B-0564-G2AS	0 - 0.5 ft	43.5 J
13B-0565-G1AS	0 - 0.5 ft	76 J
13B-0566-G3AS	0 - 0.5 ft	41
13B-0567-G2AS	0 - 0.5 ft	133 J
13B-0568-G2AS	0 - 0.5 ft	312 J
13B-0571-G2AS	0 - 0.5 ft	223 J
13B-0573-G3AS	0 - 0.5 ft	28
13B-0574-G2AS	0 - 0.5 ft	20.3
13B-0575-G1AS	0 - 0.5 ft	150
13B-0577-G1AS	0 - 0.5 ft	3.4 J
13B-0578-G2AS	0 - 0.5 ft	50 J

Notes:
% = percent
ft = feet
mg/kg = milligram per kilogram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev = Standard Deviation
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

APPENDIX I
DATA RESULTS SUMMARY
SVOC

	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	329 U
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	323 U
13B-0501-C2AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	330 U
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	679 U	1320 U
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	850 U	1650 U
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	1350 U	2630 U
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	3920 UJ
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	679 UJ	1320 UJ
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	1740 UJ	3370 UJ
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	170 U	170 U	331 U
13B-0505-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	1080 UJ	2090 UJ
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	849 U	1650 U
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 U	170 U	329 U
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	513 UJ	996 UJ
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 UJ	169 U	328 U
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	323 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U

APPENDIX I
DATA RESULTS SUMMARY
SVOC

	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	329 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	507 U	507 U	985 U
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	502 U	974 U
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	1530 UJ	2970 UJ
13B-0509-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	339 U	659 U
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 U	416 U	807 U
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	100 U	195 U
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	229 UJ	445 UJ
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	977 U
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	682 U	1320 U
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	672 U	1310 U
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	201 UJ	390 UJ
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	757 UJ	1470 UJ
13B-0514-G1AS	0 - 0.5 ft	189 UJ	189 UJ	189 UJ	189 UJ	367 UJ
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	326 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	1750 UJ	3390 UJ
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	330 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	889 UJ	1730 UJ
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	5520 UJ	10700 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	677 U	1310 U

APPENDIX I
DATA RESULTS SUMMARY
SVOC

	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	422 UJ	820 UJ
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0518-G1AT	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	982 U
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	1360 U	2630 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U	329 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	331 U
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	395 UJ	767 UJ
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	329 U
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	2780 UJ	5390 UJ
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	331 U
13B-0521-C3CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	574 UJ
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	282 UJ	547 UJ
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	318 UJ	617 UJ
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	380 UJ	380 UJ	380 UJ	737 UJ
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	372 UJ	372 UJ	372 UJ	721 UJ
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	4430 UJ	8590 UJ
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	408 UJ	792 UJ
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	525 UJ	1020 UJ
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	1050 UJ	2040 UJ

APPENDIX I
DATA RESULTS SUMMARY
SVOC

	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	9800 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	213 UJ	413 UJ
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	3180 UJ	6170 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	337 U	653 U
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	3130 UJ	6080 UJ
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	4880 UJ	9470 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	6000 UJ	11600 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	327 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	327 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	327 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	4260 UJ	8270 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	941 UJ	1830 UJ
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	843 U	1640 U
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	549 UJ	1070 UJ
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	329 U
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	166 U	323 U
13B-0529-C3AS	0 - 0.5 ft	27.7 J	169 U	169 U	169 U	329 U
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	317 UJ	616 UJ
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	240 U	466 U
13B-0530-C4CS	1.5 - 1.62 ft	107 U	107 U	107 U	107 U	209 U
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	326 U

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DATA RESULTS SUMMARY
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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	169 U	329 U
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	171 U	331 U
13B-0531-C3AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	325 U
13B-0531-C3AT	0 - 0.5 ft	167 U	167 U	167 U	167 U	323 U
13B-0532-C1AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	324 U
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	322 U
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	168 U	325 U
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	587 UJ	1140 UJ
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	575 UJ
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	2950 UJ	5730 UJ
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	946 UJ	946 UJ	946 UJ	1840 UJ
13B-0533-C3JS	8.5 - 9.35 ft	62.5 J	339 U	339 U	339 U	658 U
13B-0533-C3JT	8.5 - 9.35 ft	38.1 J	170 U	170 U	170 U	330 U
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	671 U	1300 U
13B-0534-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	510 U	990 U
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	509 U	509 U	987 U
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1960 UJ
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	773 UJ	1500 UJ
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	327 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	979 U

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		Analytic Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
		Analyte	1,1'-Biphenyl	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol
		Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
		Minimum Detect	21.5	--	--	--	--
		Maximum Detect	62.5	--	--	--	--
		Mean of Detects	37.5	--	--	--	--
		St. Dev. of Detects	15.6	--	--	--	--
		CV of Detects	0.417	--	--	--	--
		% Detected	1.77	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	338 U	338 U	656 U
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	1010 U	1950 U
13B-0536-C3AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	655 U
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	324 U
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	556 UJ	1080 UJ
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	3640 UJ	7060 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	1390 UJ	2710 UJ
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	341 U	662 U
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 U	505 U	980 U
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	1350 U	2630 U
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	167 U	325 U
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	385 UJ	746 UJ
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	360 UJ	699 UJ
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	765 UJ	1490 UJ
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	512 UJ	994 UJ
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	1840 UJ	3570 UJ
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	169 U	328 U
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	981 U
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	328 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	370 UJ	719 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		1,1'-Biphenyl	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		21.5	--	--	--	--
Maximum Detect		62.5	--	--	--	--
Mean of Detects		37.5	--	--	--	--
St. Dev. of Detects		15.6	--	--	--	--
CV of Detects		0.417	--	--	--	--
% Detected		1.77	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	335 U	651 U
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	510 U	989 U
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	328 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	510 U	989 U
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	310 UJ	603 UJ
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	330 U
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	334 U	648 U
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	340 UJ	660 UJ
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	336 U	653 U
13B-0546-G2AS	0 - 0.5 ft	1060 U	1060 U	1060 U	1060 U	2060 U
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	1470 UJ	2850 UJ
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	949 UJ	1840 UJ
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 U	495 U	961 U
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U	327 U
13B-0548-C2AS	0 - 0.5 ft	510 U	510 U	510 U	510 U	990 U
13B-0548-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	339 U	659 U
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	652 U
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 U	504 U	979 U
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	338 U	657 U
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 U	506 U	982 U
13B-0550-C1AS	0 - 0.5 ft	200 UJ	200 UJ	200 UJ	200 UJ	389 UJ

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DATA RESULTS SUMMARY
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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	327 U
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 U	429 U	833 U
13B-0552-C1AS	0 - 0.5 ft	536 UJ	536 UJ	536 UJ	536 UJ	1040 UJ
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	171 U	331 U
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	329 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	331 U
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	329 U
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	324 U
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	340 U	659 U
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	652 U
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	3290 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	332 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	170 UJ	330 UJ
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	1460 UJ	2830 UJ
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	3910 UJ
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	706 UJ	1370 UJ
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	659 U
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	340 U	660 U
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	389 UJ	755 UJ
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 UJ	339 U	658 U
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	520 UJ	1010 UJ

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DATA RESULTS SUMMARY
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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	1690 UJ	3280 UJ
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 UJ	502 U	975 U
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	329 U
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	331 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	353 UJ	353 UJ	353 UJ	686 UJ
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	660 U
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	976 U
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	1800 UJ	3490 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	340 U	659 U
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U	324 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	338 U	656 U
13B-0560-C3CS	1.5 - 2.5 ft	848 U	848 U	848 U	848 U	1650 U
13B-0561-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	977 U
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	505 U	980 U
13B-0561-C2AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	978 U
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	987 U
13B-0563-C1AS	0 - 0.5 ft	216 U	216 U	216 U	216 U	419 U
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	216 U	419 U
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	106 U	205 U
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	870 UJ	1690 UJ

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	358 UJ	695 UJ
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	327 U
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	331 U
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	323 UJ	628 UJ
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	848 UJ	1650 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	330 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	304 UJ	590 UJ
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	331 U
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	326 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	675 U	1310 U
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	325 U
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	327 U
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	331 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	655 U
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 UJ	679 U	1320 U
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 UJ	678 U	1320 U
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 UJ	507 U	984 U
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 UJ	169 U	329 U
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	989 U
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	505 U	979 U
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U	329 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**1,1'-Biphenyl**	**1,2,4,5-Tetrachlorobenzene**	**1,4-Dioxane**	**2,2'-oxybis(1-Chloropropane)**	**2,3,4,6-Tetrachlorophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**21.5**	**--**	**--**	**--**	**--**
	Maximum Detect	**62.5**	**--**	**--**	**--**	**--**
	Mean of Detects	**37.5**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**15.6**	**--**	**--**	**--**	**--**
	CV of Detects	**0.417**	**--**	**--**	**--**	**--**
	% Detected	**1.77**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	218 UJ	423 UJ
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	92.9 U	180 U
13B-0578-C6AS	0 - 0.5 ft	21.5 J	126 U	126 U	126 U	244 U
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	212 U
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	212 U
13B-0578-C7BS	0.5 - 1.5 ft	356 U	356 U	356 U	356 U	692 U

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DATA RESULTS SUMMARY
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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	329 U	828 UJ	170 U
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	323 U	813 UJ	166 U
13B-0501-C2AS	0 - 0.5 ft	170 U	170 U	170 U	330 U	829 UJ	170 U
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	1320 U	3320 UJ	679 U
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	824 U	169 U
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	1650 U	4150 UJ	850 U
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	2630 U	6600 UJ	1350 U
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	826 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	820 U	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	3920 UJ	9850 UJ	2020 UJ
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	1320 UJ	3310 UJ	679 UJ
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	3370 UJ	8480 UJ	1740 UJ
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	170 U	331 U	831 U	170 U
13B-0505-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	825 U	169 U
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	2090 UJ	5250 UJ	1080 UJ
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	1650 U	4150 U	849 U
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 U	329 U	828 U	170 U
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	996 UJ	2500 UJ	513 UJ
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	328 U	824 U	169 U
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	323 U	813 UJ	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	826 UJ	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	826 UJ	169 U
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	329 U	828 UJ	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	820 U	168 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	507 U	985 U	2480 U	507 U
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	974 U	2450 U	502 U
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	2970 UJ	7480 UJ	1530 UJ
13B-0509-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	659 U	1660 U	339 U
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 U	807 U	2030 UJ	416 U
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	195 U	490 UJ	100 U
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	445 UJ	1120 UJ	229 UJ
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	977 U	2460 U	503 U
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	1320 U	3330 U	682 U
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	1310 U	3280 U	672 U
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	390 UJ	980 UJ	201 UJ
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	1470 UJ	3700 UJ	757 UJ
13B-0514-G1AS	0 - 0.5 ft	189 UJ	189 UJ	189 UJ	367 UJ	923 UJ	189 UJ
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	326 U	821 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	3390 UJ	8520 UJ	1750 UJ
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	330 U	829 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	1730 UJ	4340 UJ	889 UJ
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	10700 UJ	26900 UJ	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	1310 U	3300 U	677 U

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	Analytic Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
	Analyte	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	--	--	--	--	--	--
	Maximum Detect	--	--	--	--	--	--
	Mean of Detects	--	--	--	--	--	--
	St. Dev. of Detects	--	--	--	--	--	--
	CV of Detects	--	--	--	--	--	--
	% Detected	0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	820 UJ	2060 UJ	422 UJ
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	819 U	168 U
13B-0518-G1AT	0 - 0.5 ft	169 U	169 U	169 U	328 U	826 U	169 U
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	982 U	2470 U	506 U
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	2630 U	6620 U	1360 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	329 U	827 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	331 U	831 U	170 U
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	767 UJ	1930 UJ	395 UJ
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	329 U	827 U	169 U
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	5390 UJ	13600 UJ	2780 UJ
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	331 U	833 U	171 U
13B-0521-C3CS	1.5 - 2.5 ft	168 U	168 U	168 U	326 U	821 U	168 U
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	574 UJ	1440 UJ	296 UJ
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	547 UJ	1380 UJ	282 UJ
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	617 UJ	1550 UJ	318 UJ
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	380 UJ	380 UJ	737 UJ	1850 UJ	380 UJ
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	372 UJ	372 UJ	721 UJ	1810 UJ	372 UJ
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	8590 UJ	21600 UJ	4430 UJ
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	792 UJ	1990 UJ	408 UJ
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	1020 UJ	2560 UJ	525 UJ
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	2040 UJ	5130 UJ	1050 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	9800 U	24700 U	5050 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	413 UJ	1040 UJ	213 UJ
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	6170 UJ	15500 UJ	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	653 U	1640 U	337 U
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	6080 UJ	15300 UJ	3130 UJ
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	9470 UJ	23800 UJ	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	11600 UJ	29300 UJ	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	327 U	823 U	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	327 U	822 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	8270 UJ	20800 UJ	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	1830 UJ	4600 UJ	941 UJ
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	1640 U	4110 U	843 U
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	1070 UJ	2680 UJ	549 UJ
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	826 U	169 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	329 U	827 U	169 U
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	323 U	812 U	166 U
13B-0529-C3AS	0 - 0.5 ft	169 U	169 U	169 U	329 U	826 U	169 U
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	616 UJ	1550 UJ	317 UJ
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	466 U	1170 UJ	240 U
13B-0530-C4CS	1.5 - 1.62 ft	107 U	107 U	107 U	209 U	525 UJ	107 U
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	326 UJ	820 U	168 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	329 U	827 U	169 U
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	331 U	833 U	171 U
13B-0531-C3AS	0 - 0.5 ft	167 U	167 U	167 U	325 U	817 U	167 U
13B-0531-C3AT	0 - 0.5 ft	167 U	167 U	167 U	323 U	813 U	167 U
13B-0532-C1AS	0 - 0.5 ft	167 U	167 U	167 U	324 U	814 U	167 U
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	326 U	821 U	168 U
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	322 U	809 U	166 U
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	325 U	818 U	168 U
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	1140 UJ	2870 UJ	587 UJ
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	575 UJ	1440 UJ	296 UJ
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	5730 UJ	14400 UJ	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	946 UJ	946 UJ	1840 UJ	4620 UJ	946 UJ
13B-0533-C3JS	8.5 - 9.35 ft	339 U	339 U	339 U	658 U	1660 U	339 U
13B-0533-C3JT	8.5 - 9.35 ft	170 U	170 U	170 U	330 U	829 U	170 U
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	1300 U	3280 U	671 U
13B-0534-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	990 U	2490 U	510 U
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	509 U	987 U	2480 U	509 U
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1960 UJ	4940 UJ	1010 UJ
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	1500 UJ	3780 UJ	773 UJ
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	979 U	2460 U	504 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	825 U	169 U
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	338 U	656 U	1650 U	338 U
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	1950 U	4910 U	1010 U
13B-0536-C3AS	0 - 0.5 ft	337 U	337 U	337 U	655 U	1650 U	337 U
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	324 U	816 U	167 U
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	1080 UJ	2710 UJ	556 UJ
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	7060 UJ	17800 UJ	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	2710 UJ	6810 UJ	1390 UJ
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	662 U	1670 U	341 U
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 U	980 U	2470 U	505 U
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	2630 U	6610 U	1350 U
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	325 U	816 U	167 U
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	746 UJ	1880 UJ	385 UJ
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	699 UJ	1760 UJ	360 UJ
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	1490 UJ	3740 UJ	765 UJ
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	994 UJ	2500 UJ	512 UJ
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	3570 UJ	8970 UJ	1840 UJ
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	328 U	824 U	169 U
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	981 U	2470 U	506 U
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	328 U	826 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	719 UJ	1810 UJ	370 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	651 U	1640 U	335 U
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	989 U	2490 U	510 U
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	328 U	824 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	989 U	2490 U	510 U
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	603 UJ	1520 UJ	310 UJ
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	330 U	831 U	170 U
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	648 U	1630 U	334 U
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	660 UJ	1660 UJ	340 UJ
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	653 U	1640 U	336 U
13B-0546-G2AS	0 - 0.5 ft	1060 U	1060 U	1060 U	2060 U	5180 UJ	1060 U
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	2850 UJ	7160 UJ	1470 UJ
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	1840 UJ	4630 UJ	949 UJ
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 U	961 U	2420 UJ	495 U
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	327 U	822 U	168 U
13B-0548-C2AS	0 - 0.5 ft	510 U	510 U	510 U	990 U	2490 U	510 U
13B-0548-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	659 U	1660 U	339 U
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	652 U	1640 U	336 U
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 U	979 U	2460 U	504 U
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	824 U	169 U
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	657 U	1650 U	338 U
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 U	982 U	2470 U	506 U
13B-0550-C1AS	0 - 0.5 ft	200 UJ	200 UJ	200 UJ	389 UJ	978 UJ	200 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	327 U	822 U	168 U
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	825 U	169 U
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 U	833 U	2090 UJ	429 U
13B-0552-C1AS	0 - 0.5 ft	536 UJ	536 UJ	536 UJ	1040 UJ	2610 UJ	536 UJ
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	331 U	833 U	171 U
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	329 U	829 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	331 U	832 U	170 U
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	170 U	329 U	828 U	170 U
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	324 U	816 U	167 U
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	659 U	1660 U	340 U
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	652 U	1640 U	336 U
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	3290 U	8290 U	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	332 U	835 U	171 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	330 UJ	830 UJ	170 UJ
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	2830 UJ	7130 UJ	1460 UJ
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	3910 UJ	9840 UJ	2020 UJ
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	1370 UJ	3450 UJ	706 UJ
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	659 U	1660 U	340 U
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	660 U	1660 U	340 U
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	755 UJ	1900 UJ	389 UJ
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 U	658 U	1660 U	339 U
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	1010 UJ	2540 UJ	520 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	3280 UJ	8250 UJ	1690 UJ
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	975 U	2450 U	502 U
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	329 U	827 UJ	169 U
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	331 U	833 U	171 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	353 UJ	353 UJ	686 UJ	1720 UJ	353 UJ
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	660 U	1660 U	340 U
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	825 U	169 U
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	976 U	2450 UJ	503 U
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	3490 UJ	8770 UJ	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	659 U	1660 UJ	340 U
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	324 U	815 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	656 U	1650 U	338 U
13B-0560-C3CS	1.5 - 2.5 ft	848 U	848 U	848 U	1650 U	4140 UJ	848 U
13B-0561-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	977 U	2460 UJ	503 U
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	980 U	2470 UJ	505 U
13B-0561-C2AS	0 - 0.5 ft	504 U	504 U	504 U	978 U	2460 UJ	504 U
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	987 U	2480 UJ	509 U
13B-0563-C1AS	0 - 0.5 ft	216 U	216 U	216 U	419 U	1050 UJ	216 U
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	419 U	1050 UJ	216 U
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	205 U	516 UJ	106 U
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	1690 UJ	4250 UJ	870 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--	--
Maximum Detect		--	--	--	--	--	--
Mean of Detects		--	--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--	--
CV of Detects		--	--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval						
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	695 UJ	1750 UJ	358 UJ
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	823 U	169 U
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	331 U	833 U	171 U
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	628 UJ	1580 UJ	323 UJ
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	1650 UJ	4140 UJ	848 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	330 U	831 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	590 UJ	1480 UJ	304 UJ
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	331 U	831 U	170 U
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	326 U	820 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	1310 U	3300 UJ	675 U
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	325 U	817 UJ	167 U
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	327 U	822 UJ	168 U
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	331 U	832 UJ	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	655 U	1650 UJ	337 U
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	1320 U	3320 U	679 U
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	1320 U	3310 U	678 U
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	984 U	2470 U	507 U
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 U	329 U	827 U	169 U
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	989 U	2490 U	509 U
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	979 U	2460 U	505 U
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	825 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	329 U	828 U	170 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,4,5-Trichlorophenol**	**2,4,6-Trichlorophenol**	**2,4-Dichlorophenol**	**2,4-Dimethylphenol**	**2,4-Dinitrophenol**	**2,4-Dinitrotoluene**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**--**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**--**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**--**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**--**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**--**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**						
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	423 UJ	1060 UJ	218 UJ
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	180 U	453 U	92.9 U
13B-0578-C6AS	0 - 0.5 ft	126 U	126 U	126 U	244 U	613 U	126 U
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	212 U	534 U	109 U
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 U	212 U	532 U	109 U
13B-0578-C7BS	0.5 - 1.5 ft	356 U	356 U	356 U	692 U	1740 U	356 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	166 U	166 U	166 U
13B-0501-C2AS	0 - 0.5 ft	170 U	170 U	170 U	44.3 J	170 U	170 U	170 U
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	192 J	679 U	679 U	679 U
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	850 U	850 U	850 U	850 U
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	1350 U	1350 U	1350 U	1350 U
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	220 J	679 UJ	679 UJ	679 UJ
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	1740 UJ	1740 UJ	1740 UJ	1740 UJ
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	170 U	109 J	170 U	170 U	170 U
13B-0505-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	291 J	1080 UJ	1080 UJ	1080 UJ
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	849 U	849 U	849 U	849 U
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	142 J	513 UJ	513 UJ	513 UJ
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	507 U	161 J	120 J	507 U	507 U
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	181 J	502 U	502 U	502 U
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	1530 UJ	1530 UJ	1530 UJ	1530 UJ
13B-0509-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	125 J	339 U	339 U	339 U
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 U	92.3 J	416 U	416 U	416 U
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	100 U	100 U	100 U	100 U
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	52.6 J	229 UJ	229 UJ	229 UJ
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	503 U	503 U	503 U
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	682 U	682 U	682 U	682 U
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	216 J	672 U	672 U	672 U
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	201 UJ	201 UJ	201 UJ	201 UJ
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	757 UJ	757 UJ	757 UJ	757 UJ
13B-0514-G1AS	0 - 0.5 ft	189 UJ	189 UJ	189 UJ	55.0 J	189 UJ	189 UJ	189 UJ
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	1750 UJ	1750 UJ	1750 UJ	1750 UJ
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	889 UJ	889 UJ	889 UJ	889 UJ
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	1210 J	5520 UJ	5520 UJ	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	196 J	677 U	677 U	677 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	422 UJ	422 UJ	422 UJ	422 UJ
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	34.6 J	168 U	168 U	168 U
13B-0518-G1AT	0 - 0.5 ft	169 U	169 U	169 U	45.3 J	169 U	169 U	169 U
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	506 U	506 U	506 U
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	1360 U	1360 U	1360 U	1360 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	395 UJ	395 UJ	395 UJ	395 UJ
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	63.6 J	169 U	169 U	169 U
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	2780 UJ	2780 UJ	2780 UJ	2780 UJ
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0521-C3CS	1.5 - 2.5 ft	168 U	168 U	168 U	67.4 J	168 U	168 U	168 U
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	73.0 J	296 UJ	296 UJ	296 UJ
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	55.0 J	282 UJ	282 UJ	282 UJ
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	318 UJ	318 UJ	318 UJ	318 UJ
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	380 UJ	380 UJ	79.4 J	380 UJ	380 UJ	380 UJ
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	372 UJ	372 UJ	86.6 J	372 UJ	372 UJ	372 UJ
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	1010 J	4430 UJ	4430 UJ	4430 UJ
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	408 UJ	408 UJ	408 UJ	408 UJ
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	525 UJ	525 UJ	525 UJ	525 UJ
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	1050 UJ	1050 UJ	1050 UJ	1050 UJ

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	5050 U	5050 U	5050 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	67.1 J	213 UJ	213 UJ	213 UJ
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	3180 UJ	3180 UJ	3180 UJ	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	337 U	337 U	337 U	337 U
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	3130 UJ	3130 UJ	3130 UJ	3130 UJ
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	1000 J	4880 UJ	4880 UJ	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	6000 UJ	6000 UJ	6000 UJ	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	4260 UJ	4260 UJ	4260 UJ	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	363 J	941 UJ	941 UJ	941 UJ
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	366 J	843 U	843 U	843 U
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	549 UJ	549 UJ	549 UJ	549 UJ
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	86.1 J	169 U	169 U	169 U
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	166 U	166 U	166 U	166 U
13B-0529-C3AS	0 - 0.5 ft	169 U	169 U	169 U	67.1 J	169 U	169 U	169 U
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	317 UJ	317 UJ	317 UJ	317 UJ
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	240 U	240 U	240 U	240 U
13B-0530-C4CS	1.5 - 1.62 ft	107 U	107 U	107 U	27.6 J	107 U	107 U	107 U
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0531-C3AS	0 - 0.5 ft	167 U	167 U	167 U	65.0 J	167 U	167 U	167 U
13B-0531-C3AT	0 - 0.5 ft	167 U	167 U	167 U	32.9 J	167 U	167 U	167 U
13B-0532-C1AS	0 - 0.5 ft	167 U	167 U	167 U	40.9 J	167 U	167 U	167 U
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	166 U	166 U	166 U
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	587 UJ	587 UJ	587 UJ	587 UJ
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	60.9 J	296 UJ	296 UJ	296 UJ
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	2950 UJ	2950 UJ	2950 UJ	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	946 UJ	946 UJ	550 J	946 UJ	946 UJ	946 UJ
13B-0533-C3JS	8.5 - 9.35 ft	339 U	339 U	339 U	310 J	339 U	339 U	339 U
13B-0533-C3JT	8.5 - 9.35 ft	170 U	170 U	170 U	179	170 U	170 U	170 U
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	174 J	671 U	671 U	671 U
13B-0534-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	214 J	510 U	510 U	510 U
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	509 U	355 J	509 U	509 U	509 U
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1010 UJ
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	773 UJ	773 UJ	773 UJ	773 UJ
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	504 U	504 U	504 U

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**2,6-Dinitrotoluene**	**2-Chloronaphthalene**	**2-Chlorophenol**	**2-Methylnaphthalene**	**2-Methylphenol**	**2-Nitroaniline**	**2-Nitrophenol**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**--**	**--**	**--**	**27.6**	**120**	**--**	**--**
	Maximum Detect	**--**	**--**	**--**	**1210**	**120**	**--**	**--**
	Mean of Detects	**--**	**--**	**--**	**180**	**120**	**--**	**--**
	St. Dev. of Detects	**--**	**--**	**--**	**213**	**0.00**	**--**	**--**
	CV of Detects	**--**	**--**	**--**	**1.18**	**0.00**	**--**	**--**
	% Detected	**0.00**	**0.00**	**0.00**	**37.6**	**0.442**	**0.00**	**0.00**
Sample ID	**Depth Interval**							
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	67.1 J	169 U	169 U	169 U
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	338 U	165 J	338 U	338 U	338 U
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	771 J	1010 U	1010 U	1010 U
13B-0536-C3AS	0 - 0.5 ft	337 U	337 U	337 U	197 J	337 U	337 U	337 U
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	556 UJ	556 UJ	556 UJ	556 UJ
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	3640 UJ	3640 UJ	3640 UJ	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	403 J	1390 UJ	1390 UJ	1390 UJ
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	103 J	341 U	341 U	341 U
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 U	191 J	505 U	505 U	505 U
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	1350 U	1350 U	1350 U	1350 U
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	96.1 J	385 UJ	385 UJ	385 UJ
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	114 J	360 UJ	360 UJ	360 UJ
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	765 UJ	765 UJ	765 UJ	765 UJ
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	512 UJ	512 UJ	512 UJ	512 UJ
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	1840 UJ	1840 UJ	1840 UJ	1840 UJ
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	126 J	169 U	169 U	169 U
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	506 U	506 U	506 U
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	48.4 J	169 U	169 U	169 U
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	81.4 J	370 UJ	370 UJ	370 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	27.6	120	--	--
Maximum Detect		--	--	--	1210	120	--	--
Mean of Detects		--	--	--	180	120	--	--
St. Dev. of Detects		--	--	--	213	0.00	--	--
CV of Detects		--	--	--	1.18	0.00	--	--
% Detected		0.00	0.00	0.00	37.6	0.442	0.00	0.00
Sample ID	Depth Interval							
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	107 J	335 U	335 U	335 U
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	115 J	510 U	510 U	510 U
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	231 J	510 U	510 U	510 U
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	310 UJ	310 UJ	310 UJ	310 UJ
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	334 U	334 U	334 U	334 U
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	340 UJ	340 UJ	340 UJ	340 UJ
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	336 U	336 U	336 U	336 U
13B-0546-G2AS	0 - 0.5 ft	1060 U	1060 U	1060 U	400 J	1060 U	1060 U	1060 U
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	1470 UJ	1470 UJ	1470 UJ	1470 UJ
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	949 UJ	949 UJ	949 UJ	949 UJ
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 U	254 J	495 U	495 U	495 U
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	510 U	510 U	510 U	484 J	510 U	510 U	510 U
13B-0548-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	98.9 J	339 U	339 U	339 U
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	94.9 J	336 U	336 U	336 U
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 U	504 U	504 U	504 U	504 U
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	38.0 J	169 U	169 U	169 U
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	80.4 J	338 U	338 U	338 U
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 U	137 J	506 U	506 U	506 U
13B-0550-C1AS	0 - 0.5 ft	200 UJ	200 UJ	200 UJ	62.7 J	200 UJ	200 UJ	200 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	27.6	120	--	--
Maximum Detect		--	--	--	1210	120	--	--
Mean of Detects		--	--	--	180	120	--	--
St. Dev. of Detects		--	--	--	213	0.00	--	--
CV of Detects		--	--	--	1.18	0.00	--	--
% Detected		0.00	0.00	0.00	37.6	0.442	0.00	0.00
Sample ID	Depth Interval							
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 U	429 U	429 U	429 U	429 U
13B-0552-C1AS	0 - 0.5 ft	536 UJ	536 UJ	536 UJ	173 J	536 UJ	536 UJ	536 UJ
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	170 U	64.6 J	170 U	170 U	170 U
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	76.3 J	167 U	167 U	167 U
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	109 J	340 U	340 U	340 U
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	336 U	336 U	336 U
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	37.6 J	170 UJ	170 UJ	170 UJ
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	1460 UJ	1460 UJ	1460 UJ	1460 UJ
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	706 UJ	706 UJ	706 UJ	706 UJ
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	340 U	340 U	340 U
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	340 U	340 U	340 U	340 U
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	389 UJ	389 UJ	389 UJ	389 UJ
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 U	74.9 J	339 U	339 U	339 U
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	520 UJ	520 UJ	520 UJ	520 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	27.6	120	--	--
Maximum Detect		--	--	--	1210	120	--	--
Mean of Detects		--	--	--	180	120	--	--
St. Dev. of Detects		--	--	--	213	0.00	--	--
CV of Detects		--	--	--	1.18	0.00	--	--
% Detected		0.00	0.00	0.00	37.6	0.442	0.00	0.00
Sample ID	Depth Interval							
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	1690 UJ	1690 UJ	1690 UJ	1690 UJ
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	99.8 J	502 U	502 U	502 U
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	80.9 J	169 U	169 U	169 U
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	353 UJ	353 UJ	92.5 J	353 UJ	353 UJ	353 UJ
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	115 J	340 U	340 U	340 U
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	503 U	503 U	503 U
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	340 U	340 U	340 U	340 U
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 U	51.2 J	169 U	169 U	169 U
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	338 U	338 U	338 U	338 U
13B-0560-C3CS	1.5 - 2.5 ft	848 U	848 U	848 U	269 J	848 U	848 U	848 U
13B-0561-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	117 J	503 U	503 U	503 U
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	505 U	505 U	505 U	505 U
13B-0561-C2AS	0 - 0.5 ft	504 U	504 U	504 U	112 J	504 U	504 U	504 U
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	509 U	509 U	509 U
13B-0563-C1AS	0 - 0.5 ft	216 U	216 U	216 U	54.5 J	216 U	216 U	216 U
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	43.4 J	216 U	216 U	216 U
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	106 U	106 U	106 U	106 U
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	870 UJ	870 UJ	870 UJ	870 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	27.6	120	--	--
Maximum Detect		--	--	--	1210	120	--	--
Mean of Detects		--	--	--	180	120	--	--
St. Dev. of Detects		--	--	--	213	0.00	--	--
CV of Detects		--	--	--	1.18	0.00	--	--
% Detected		0.00	0.00	0.00	37.6	0.442	0.00	0.00
Sample ID	Depth Interval							
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	358 UJ	358 UJ	358 UJ	358 UJ
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	323 UJ	323 UJ	323 UJ	323 UJ
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	848 UJ	848 UJ	848 UJ	848 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	304 UJ	304 UJ	304 UJ	304 UJ
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	209 J	675 U	675 U	675 U
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	337 U	337 U	337 U
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	679 U	679 U	679 U	679 U
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	678 U	678 U	678 U	678 U
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	507 U	507 U	507 U	507 U
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 U	47.1 J	169 U	169 U	169 U
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	509 U	509 U	509 U
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	505 U	505 U	505 U	505 U
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol	2-Nitroaniline	2-Nitrophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	27.6	120	--	--
Maximum Detect		--	--	--	1210	120	--	--
Mean of Detects		--	--	--	180	120	--	--
St. Dev. of Detects		--	--	--	213	0.00	--	--
CV of Detects		--	--	--	1.18	0.00	--	--
% Detected		0.00	0.00	0.00	37.6	0.442	0.00	0.00
Sample ID	Depth Interval							
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	218 UJ	218 UJ	218 UJ	218 UJ
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	92.9 U	92.9 U	92.9 U	92.9 U
13B-0578-C6AS	0 - 0.5 ft	126 U	126 U	126 U	119 J	126 U	126 U	126 U
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	109 U	109 U	109 U
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	109 U	109 U	109 U
13B-0578-C7BS	0.5 - 1.5 ft	356 U	356 U	356 U	111 J	356 U	356 U	356 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0501-C1BS	0.5 - 1.5 ft	329 U	329 U	329 U	170 U	170 U
13B-0501-C1CS	1.5 - 2.5 ft	323 U	323 U	323 U	166 U	166 U
13B-0501-C2AS	0 - 0.5 ft	330 U	330 U	330 U	170 U	170 U
13B-0501-C2DS	2.5 - 3.32 ft	1320 U	1320 U	1320 U	679 U	679 U
13B-0502-C2AS	0 - 0.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0502-C2BS	0.5 - 1.5 ft	1650 U	1650 U	1650 U	850 U	850 U
13B-0502-C2CS	1.5 - 2.45 ft	2630 U	2630 U	2630 U	1350 U	1350 U
13B-0503-C1BS	0.5 - 1.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	327 U	327 U	327 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	326 U	326 U	326 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	3920 UJ	3920 UJ	3920 UJ	2020 UJ	2020 UJ
13B-0504-C2BS	0.5 - 1.5 ft	1320 UJ	1320 UJ	1320 UJ	679 UJ	679 UJ
13B-0504-C2CS	1.5 - 2.5 ft	3370 UJ	3370 UJ	3370 UJ	1740 UJ	1740 UJ
13B-0504-C4KS	9.5 - 10.25 ft	331 U	331 U	331 U	170 U	170 U
13B-0505-C1BS	0.5 - 1.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0505-C2AS	0 - 0.5 ft	2090 UJ	2090 UJ	2090 UJ	1080 UJ	1080 UJ
13B-0505-C2CS	1.5 - 2.5 ft	1650 U	1650 U	1650 U	849 U	849 U
13B-0505-C2FS	4.5 - 5.33 ft	329 U	329 U	329 U	170 U	170 U
13B-0506-C3AS	0 - 0.5 ft	996 UJ	996 UJ	996 UJ	513 UJ	513 UJ
13B-0506-C3BS	0.5 - 1.44 ft	328 U	328 U	328 U	169 U	169 U
13B-0507-C2BS	0.5 - 1.5 ft	323 U	323 U	323 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	328 U	328 U	328 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0507-C3AS	0 - 0.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0507-C3DS	2.5 - 3.3 ft	329 U	329 U	329 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	326 U	326 U	326 U	168 U	168 U
13B-0509-C1CS	1.5 - 2.5 ft	985 UJ	985 UJ	985 U	507 U	507 U
13B-0509-C1ES	3.17 - 4.17 ft	974 UJ	974 UJ	974 U	502 U	502 U
13B-0509-C2AS	0 - 0.5 ft	2970 UJ	2970 UJ	2970 UJ	1530 UJ	1530 UJ
13B-0509-C2BS	0.5 - 1.5 ft	659 UJ	659 UJ	659 U	339 U	339 U
13B-0510-C1AS	0 - 0.5 ft	807 U	807 U	807 U	416 U	416 U
13B-0510-C1BS	0.5 - 1.7 ft	195 U	195 U	195 U	100 U	100 U
13B-0511-C1AS	0 - 0.5 ft	445 UJ	445 UJ	445 UJ	229 UJ	229 UJ
13B-0511-C1BS	0.5 - 1.5 ft	977 UJ	977 U	977 U	503 U	503 U
13B-0511-C3CS	1.5 - 2.5 ft	1320 UJ	1320 U	1320 U	682 U	682 U
13B-0511-C3HS	5.95 - 6.95 ft	1310 UJ	1310 U	1310 U	672 U	672 U
13B-0512-G1AS	0 - 0.5 ft	390 UJ	390 UJ	390 UJ	201 UJ	201 UJ
13B-0513-G1AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	757 UJ	757 UJ
13B-0514-G1AS	0 - 0.5 ft	367 UJ	367 UJ	367 UJ	189 UJ	189 UJ
13B-0515-C1BS	0.5 - 1.71 ft	326 UJ	326 U	326 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	3390 UJ	3390 UJ	3390 UJ	1750 UJ	1750 UJ
13B-0515-C2CS	1.5 - 2.19 ft	330 UJ	330 U	330 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	1730 UJ	1730 UJ	1730 UJ	889 UJ	889 UJ
13B-0516-C2CS	1.5 - 2.5 ft	10700 UJ	10700 UJ	10700 UJ	5520 UJ	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	1310 UJ	1310 U	1310 U	677 U	677 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0516-C3AS	0 - 0.5 ft	820 UJ	820 UJ	820 UJ	422 UJ	422 UJ
13B-0517-G2AS	0 - 0.5 ft	327 U	327 U	327 U	169 U	169 U
13B-0518-G1AS	0 - 0.5 ft	326 UJ	326 U	326 U	168 U	168 U
13B-0518-G1AT	0 - 0.5 ft	328 UJ	328 U	328 U	169 U	169 U
13B-0519-C2BS	0.5 - 1.5 ft	982 U	982 U	982 U	506 U	506 U
13B-0519-C2CS	1.5 - 2.5 ft	2630 U	2630 U	2630 U	1360 U	1360 U
13B-0519-C2RS	16.1 - 17.1 ft	329 U	329 U	329 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	331 U	331 U	331 U	170 U	170 U
13B-0520-G1AS	0 - 0.5 ft	767 UJ	767 UJ	767 UJ	395 UJ	395 UJ
13B-0521-C2BS	0.5 - 1.5 ft	329 U	329 U	329 U	169 U	169 U
13B-0521-C2HS	6.5 - 7.63 ft	5390 UJ	5390 UJ	5390 UJ	2780 UJ	2780 UJ
13B-0521-C3AS	0 - 0.5 ft	331 U	331 U	331 U	171 U	171 U
13B-0521-C3CS	1.5 - 2.5 ft	326 U	326 U	326 U	168 U	168 U
13B-0522-G1AS	0 - 0.5 ft	574 UJ	574 UJ	574 UJ	296 UJ	296 UJ
13B-0522-G1AT	0 - 0.5 ft	547 UJ	547 UJ	547 UJ	282 UJ	282 UJ
13B-0523-G2AS	0 - 0.5 ft	617 UJ	617 UJ	617 UJ	318 UJ	318 UJ
13B-0524-C1BS	0.5 - 1.5 ft	737 UJ	737 UJ	737 UJ	380 UJ	380 UJ
13B-0524-C1CS	1.5 - 2.5 ft	721 UJ	721 UJ	721 UJ	372 UJ	372 UJ
13B-0524-C1GS	5.39 - 6.39 ft	8590 UJ	8590 UJ	8590 UJ	4430 UJ	4430 UJ
13B-0524-G1AS	0 - 0.5 ft	792 UJ	792 UJ	792 UJ	408 UJ	408 UJ
13B-0525-C1BS	0.5 - 1.5 ft	1020 UJ	1020 UJ	1020 UJ	525 UJ	525 UJ
13B-0525-C1CS	1.5 - 2.5 ft	2040 UJ	2040 UJ	2040 UJ	1050 UJ	1050 UJ

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Analytic Method		**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
Analyte		**3,3'-Dichlorobenzidine**	**3-Nitroaniline**	**4,6-Dinitro-2-methylphenol**	**4-Bromophenyl-phenylether**	**4-Chloro-3-methylphenol**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Sample ID	**Depth Interval**					
13B-0525-C1HS	6.42 - 7.42 ft	9800 UJ	9800 U	9800 U	5050 U	5050 U
13B-0525-C2AS	0 - 0.5 ft	413 UJ	413 UJ	413 UJ	213 UJ	213 UJ
13B-0526-C1BS	0.5 - 1.5 ft	6170 UJ	6170 UJ	6170 UJ	3180 UJ	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	653 UJ	653 U	653 U	337 U	337 U
13B-0526-C2AS	0 - 0.5 ft	6080 UJ	6080 UJ	6080 UJ	3130 UJ	3130 UJ
13B-0526-C2CS	1.5 - 2.5 ft	9470 UJ	9470 UJ	9470 UJ	4880 UJ	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	11600 UJ	11600 UJ	11600 UJ	6000 UJ	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	327 UJ	327 U	327 U	168 U	168 U
13B-0527-C3BS	0.5 - 1.5 ft	327 UJ	327 U	327 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	327 UJ	327 U	327 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	8270 UJ	8270 UJ	8270 UJ	4260 UJ	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	1830 UJ	1830 UJ	1830 UJ	941 UJ	941 UJ
13B-0528-C3LS	10.5 - 11.54 ft	1640 UJ	1640 U	1640 U	843 U	843 U
13B-0528-C4AS	0 - 0.5 ft	1070 UJ	1070 UJ	1070 UJ	549 UJ	549 UJ
13B-0529-C2BS	0.5 - 1.5 ft	328 UJ	328 U	328 U	169 U	169 U
13B-0529-C2CS	1.5 - 2.5 ft	329 UJ	329 U	329 U	169 U	169 U
13B-0529-C2ES	3.5 - 4.2 ft	323 UJ	323 U	323 U	166 U	166 U
13B-0529-C3AS	0 - 0.5 ft	329 UJ	329 U	329 U	169 U	169 U
13B-0530-C3AS	0 - 0.5 ft	616 UJ	616 UJ	616 UJ	317 UJ	317 UJ
13B-0530-C3BS	0.5 - 1.5 ft	466 U	466 U	466 U	240 U	240 U
13B-0530-C4CS	1.5 - 1.62 ft	209 U	209 U	209 U	107 U	107 U
13B-0531-C1BS	0.5 - 1.5 ft	326 UJ	326 UJ	326 U	168 U	168 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0531-C1CS	1.5 - 2.3 ft	329 UJ	329 UJ	329 U	169 U	169 U
13B-0531-C2ES	3.5 - 4.42 ft	331 UJ	331 UJ	331 U	171 U	171 U
13B-0531-C3AS	0 - 0.5 ft	325 UJ	325 UJ	325 U	167 U	167 U
13B-0531-C3AT	0 - 0.5 ft	323 UJ	323 UJ	323 U	167 U	167 U
13B-0532-C1AS	0 - 0.5 ft	324 U	324 U	324 U	167 U	167 U
13B-0532-C1BS	0.5 - 1.5 ft	326 U	326 U	326 U	168 U	168 U
13B-0532-C1CS	1.5 - 2.5 ft	322 U	322 U	322 U	166 U	166 U
13B-0532-C1DS	2.5 - 3.73 ft	325 U	325 U	325 U	168 U	168 U
13B-0533-C1AS	0 - 0.5 ft	1140 UJ	1140 UJ	1140 UJ	587 UJ	587 UJ
13B-0533-C1AT	0 - 0.5 ft	575 UJ	575 UJ	575 UJ	296 UJ	296 UJ
13B-0533-C3BS	0.5 - 1.5 ft	5730 UJ	5730 UJ	5730 UJ	2950 UJ	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	946 UJ	946 UJ
13B-0533-C3JS	8.5 - 9.35 ft	658 U	658 U	658 U	339 U	339 U
13B-0533-C3JT	8.5 - 9.35 ft	330 U	330 U	330 U	170 U	170 U
13B-0534-C2BS	0.5 - 1.5 ft	1300 UJ	1300 U	1300 U	671 U	671 U
13B-0534-C2CS	1.5 - 2.5 ft	990 UJ	990 U	990 U	510 U	510 U
13B-0534-C2IS	7.5 - 8.59 ft	987 UJ	987 U	987 U	509 U	509 U
13B-0534-G1AS	0 - 0.5 ft	1960 UJ	1960 UJ	1960 UJ	1010 UJ	1010 UJ
13B-0534-G1AT	0 - 0.5 ft	1500 UJ	1500 UJ	1500 UJ	773 UJ	773 UJ
13B-0535-C2BS	0.5 - 1.5 ft	327 UJ	327 UJ	327 U	169 U	169 U
13B-0535-C2CS	1.5 - 2.45 ft	327 UJ	327 UJ	327 U	169 U	169 U
13B-0535-C3AS	0 - 0.5 ft	979 UJ	979 UJ	979 U	504 U	504 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0536-C1BS	0.5 - 1.5 ft	328 UJ	328 U	328 U	169 U	169 U
13B-0536-C1CS	1.5 - 2.5 ft	656 UJ	656 U	656 U	338 U	338 U
13B-0536-C1FS	4.28 - 5.28 ft	1950 UJ	1950 U	1950 U	1010 U	1010 U
13B-0536-C3AS	0 - 0.5 ft	655 UJ	655 U	655 U	337 U	337 U
13B-0537-C2AS	0 - 0.5 ft	324 U	324 U	324 U	167 U	167 U
13B-0538-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	556 UJ	556 UJ
13B-0538-C3BS	0.5 - 1.5 ft	7060 UJ	7060 UJ	7060 UJ	3640 UJ	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	2710 UJ	2710 UJ	2710 UJ	1390 UJ	1390 UJ
13B-0538-C3ES	3.5 - 4.8 ft	662 U	662 U	662 U	341 U	341 U
13B-0539-C3BS	0.5 - 1.5 ft	980 U	980 U	980 U	505 U	505 U
13B-0539-C3CS	1.5 - 2.5 ft	2630 U	2630 U	2630 U	1350 U	1350 U
13B-0539-C3HS	6.5 - 7.59 ft	325 U	325 U	325 U	167 U	167 U
13B-0539-G2AS	0 - 0.5 ft	746 UJ	746 UJ	746 UJ	385 UJ	385 UJ
13B-0539-G2AT	0 - 0.5 ft	699 UJ	699 UJ	699 UJ	360 UJ	360 UJ
13B-0540-C3AS	0 - 0.5 ft	1490 UJ	1490 UJ	1490 UJ	765 UJ	765 UJ
13B-0540-C4BS	0.5 - 1.5 ft	994 UJ	994 UJ	994 UJ	512 UJ	512 UJ
13B-0540-C4CS	1.5 - 2.5 ft	3570 UJ	3570 UJ	3570 UJ	1840 UJ	1840 UJ
13B-0540-C4LS	10.3 - 11.25 ft	328 U	328 U	328 U	169 U	169 U
13B-0541-C1BS	0.5 - 1.5 ft	981 UJ	981 U	981 U	506 U	506 U
13B-0541-C1CS	1.5 - 2.5 ft	327 UJ	327 U	327 U	169 U	169 U
13B-0541-C1FS	4.5 - 5.67 ft	328 UJ	328 UJ	328 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	719 UJ	719 UJ	719 UJ	370 UJ	370 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0542-C2BS	0.5 - 1.5 ft	651 UJ	651 UJ	651 U	335 U	335 U
13B-0542-C2CS	1.5 - 2.5 ft	989 UJ	989 UJ	989 U	510 U	510 U
13B-0542-C2HS	6.5 - 7.55 ft	328 UJ	328 UJ	328 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	989 UJ	989 UJ	989 U	510 U	510 U
13B-0543-G1AS	0 - 0.5 ft	603 UJ	603 UJ	603 UJ	310 UJ	310 UJ
13B-0544-C1AS	0 - 0.5 ft	330 U	330 U	330 U	170 U	170 U
13B-0544-C2BS	0.5 - 1.5 ft	648 U	648 U	648 U	334 U	334 U
13B-0544-C2CS	1.5 - 2.5 ft	660 UJ	660 UJ	660 UJ	340 UJ	340 UJ
13B-0544-C2ES	3 - 3.97 ft	653 U	653 U	653 U	336 U	336 U
13B-0546-G2AS	0 - 0.5 ft	2060 U	2060 U	2060 U	1060 U	1060 U
13B-0547-C3AS	0 - 0.5 ft	2850 UJ	2850 UJ	2850 UJ	1470 UJ	1470 UJ
13B-0547-C3BS	0.5 - 1.5 ft	1840 UJ	1840 UJ	1840 UJ	949 UJ	949 UJ
13B-0547-C3CS	1.5 - 2.5 ft	961 U	961 U	961 U	495 U	495 U
13B-0548-C1IS	7.5 - 8.79 ft	327 U	327 U	327 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	990 U	990 U	990 U	510 U	510 U
13B-0548-C2BS	0.5 - 1.5 ft	659 U	659 U	659 U	339 U	339 U
13B-0548-C2BT	0.5 - 1.5 ft	652 U	652 U	652 U	336 U	336 U
13B-0548-C2CS	1.5 - 2.5 ft	979 UJ	979 U	979 U	504 U	504 U
13B-0549-C2AS	0 - 0.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0549-C3BS	0.5 - 1.5 ft	657 U	657 U	657 U	338 U	338 U
13B-0549-C3CS	1.5 - 2.65 ft	982 U	982 U	982 U	506 U	506 U
13B-0550-C1AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	200 UJ	200 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0550-C3BS	0.5 - 1.5 ft	327 U	327 U	327 U	168 U	168 U
13B-0550-C3CS	1.5 - 2.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0551-G2AS	0 - 0.5 ft	833 U	833 U	833 U	429 U	429 U
13B-0552-C1AS	0 - 0.5 ft	1040 UJ	1040 UJ	1040 UJ	536 UJ	536 UJ
13B-0552-C1BS	0.5 - 1.5 ft	331 U	331 U	331 U	171 U	171 U
13B-0552-C1CS	1.5 - 2.2 ft	329 U	329 U	329 U	170 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	331 U	331 U	331 U	170 U	170 U
13B-0553-C1AS	0 - 0.5 ft	329 U	329 U	329 U	170 U	170 U
13B-0553-C2BS	0.5 - 1.5 ft	324 U	324 U	324 U	167 U	167 U
13B-0553-C2CS	1.5 - 2.5 ft	659 U	659 U	659 U	340 U	340 U
13B-0554-C1BS	0.5 - 1.5 ft	652 UJ	652 UJ	652 U	336 U	336 U
13B-0554-C1CS	1.5 - 2.5 ft	3290 UJ	3290 UJ	3290 U	1700 U	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	332 UJ	332 UJ	332 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	330 UJ	330 UJ	330 UJ	170 UJ	170 UJ
13B-0555-C2AS	0 - 0.5 ft	2830 UJ	2830 UJ	2830 UJ	1460 UJ	1460 UJ
13B-0555-C2BS	0.5 - 1.5 ft	3910 UJ	3910 UJ	3910 UJ	2020 UJ	2020 UJ
13B-0555-C2DS	2 - 3 ft	1370 UJ	1370 UJ	1370 UJ	706 UJ	706 UJ
13B-0556-C1BS	0.5 - 1.5 ft	659 UJ	659 U	659 U	340 U	340 U
13B-0556-C2CS	1.5 - 2.38 ft	660 UJ	660 U	660 U	340 U	340 U
13B-0556-C3AS	0 - 0.5 ft	755 UJ	755 UJ	755 UJ	389 UJ	389 UJ
13B-0557-C1AS	0 - 0.5 ft	658 U	658 U	658 U	339 U	339 U
13B-0557-C2BS	0.5 - 1.5 ft	1010 UJ	1010 UJ	1010 UJ	520 UJ	520 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0557-C2CS	1.5 - 2.5 ft	3280 UJ	3280 UJ	3280 UJ	1690 UJ	1690 UJ
13B-0557-C2ES	3.5 - 4.5 ft	975 U	975 U	975 U	502 U	502 U
13B-0558-C2CS	1.5 - 2.5 ft	329 U	329 U	329 UJ	169 U	169 U
13B-0558-C2FS	4.5 - 5.75 ft	331 U	331 U	331 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	686 UJ	686 UJ	686 UJ	353 UJ	353 UJ
13B-0558-C3BS	0.5 - 1.5 ft	660 U	660 U	660 U	340 U	340 U
13B-0559-C2AS	0 - 0.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0559-C2BS	0.5 - 1.5 ft	976 U	976 U	976 U	503 U	503 U
13B-0559-C2CS	1.5 - 2.5 ft	3490 UJ	3490 UJ	3490 UJ	1800 UJ	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	659 U	659 U	659 U	340 U	340 U
13B-0560-C1GS	5.14 - 5.86 ft	324 U	324 U	324 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	327 U	327 U	327 U	169 U	169 U
13B-0560-C3BS	0.5 - 1.5 ft	656 U	656 U	656 U	338 U	338 U
13B-0560-C3CS	1.5 - 2.5 ft	1650 U	1650 U	1650 U	848 U	848 U
13B-0561-C1BS	0.5 - 1.5 ft	977 U	977 U	977 U	503 U	503 U
13B-0561-C1CS	1.5 - 2.5 ft	980 U	980 U	980 U	505 U	505 U
13B-0561-C2AS	0 - 0.5 ft	978 U	978 U	978 U	504 U	504 U
13B-0562-G2AS	0 - 0.5 ft	987 U	987 U	987 U	509 U	509 U
13B-0563-C1AS	0 - 0.5 ft	419 U	419 U	419 U	216 U	216 U
13B-0563-C1AT	0 - 0.5 ft	419 U	419 U	419 U	216 U	216 U
13B-0563-C1BS	0.5 - 1.5 ft	205 U	205 U	205 U	106 U	106 U
13B-0563-C2CS	1.1 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	870 UJ	870 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0564-G2AS	0 - 0.5 ft	695 UJ	695 UJ	695 UJ	358 UJ	358 UJ
13B-0565-G1AS	0 - 0.5 ft	327 U	327 U	327 U	169 U	169 U
13B-0566-G3AS	0 - 0.5 ft	331 U	331 U	331 U	171 U	171 U
13B-0567-G2AS	0 - 0.5 ft	628 UJ	628 UJ	628 UJ	323 UJ	323 UJ
13B-0568-G2AS	0 - 0.5 ft	1650 UJ	1650 UJ	1650 UJ	848 UJ	848 UJ
13B-0571-C3CS	1.5 - 2.5 ft	330 U	330 U	330 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	590 UJ	590 UJ	590 UJ	304 UJ	304 UJ
13B-0571-C4BS	0.5 - 1.5 ft	331 U	331 U	331 U	170 U	170 U
13B-0571-C4MS	11.5 - 12.5 ft	326 U	326 U	326 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	1310 U	1310 U	1310 U	675 U	675 U
13B-0573-C2BS	0.5 - 1.5 ft	325 U	325 U	325 U	167 U	167 U
13B-0573-C2CS	1.5 - 2.5 ft	327 U	327 U	327 U	168 U	168 U
13B-0573-C2DS	2.5 - 3.75 ft	331 U	331 U	331 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	655 U	655 U	655 U	337 U	337 U
13B-0574-C1BS	0.5 - 1.5 ft	1320 U	1320 U	1320 U	679 U	679 U
13B-0574-C1CS	1.5 - 2.5 ft	1320 U	1320 U	1320 U	678 U	678 U
13B-0574-C2HS	6.4 - 7.4 ft	984 U	984 U	984 U	507 U	507 U
13B-0574-C3AS	0 - 0.5 ft	329 U	329 U	329 U	169 U	169 U
13B-0575-C1AS	0 - 0.5 ft	989 U	989 U	989 U	509 U	509 U
13B-0575-C4BS	0.5 - 1.5 ft	979 U	979 U	979 U	505 U	505 U
13B-0575-C4CS	1.5 - 2.5 ft	328 U	328 U	328 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	329 U	329 U	329 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol	4-Bromophenyl-phenylether	4-Chloro-3-methylphenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	--	--	--
Maximum Detect		--	--	--	--	--
Mean of Detects		--	--	--	--	--
St. Dev. of Detects		--	--	--	--	--
CV of Detects		--	--	--	--	--
% Detected		0.00	0.00	0.00	0.00	0.00
Sample ID	Depth Interval					
13B-0577-G1AS	0 - 0.5 ft	423 UJ	423 UJ	423 UJ	218 UJ	218 UJ
13B-0578-C5GS	5.25 - 6.25 ft	180 U	180 U	180 U	92.9 U	92.9 U
13B-0578-C6AS	0 - 0.5 ft	244 U	244 U	244 U	126 U	126 U
13B-0578-C6CS	1.5 - 2.5 ft	212 U	212 U	212 U	109 U	109 U
13B-0578-C6CT	1.5 - 2.5 ft	212 U	212 U	212 U	109 U	109 U
13B-0578-C7BS	0.5 - 1.5 ft	692 UJ	692 U	692 U	356 U	356 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	329 U	329 U	100 J	83.4 J
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	323 U	323 U	57.2 J	139 J
13B-0501-C2AS	0 - 0.5 ft	170 U	170 U	170 U	330 U	330 U	169 J	118 J
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	1320 U	1320 U	342 J	732
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	328 U	74.3 J	146 J
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	1650 U	1650 U	850 U	198 J
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	2630 U	2630 U	587 J	739 J
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	328 U	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	327 U	327 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	326 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	3920 UJ	3920 UJ	2020 UJ	492 J
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	1320 UJ	1320 UJ	387 J	587 J
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	3370 UJ	3370 UJ	480 J	754 J
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	90.4 J	331 U	331 U	608	382
13B-0505-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	328 U	120 J	91.6 J
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	2090 UJ	2090 UJ	747 J	997 J
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	1650 U	1650 U	849 U	222 J
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 U	329 U	329 U	170 U	82.6 J
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	996 UJ	996 UJ	530 J	443 J
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	328 U	328 UJ	183	241
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	323 U	323 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	328 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	328 U	129 J	189
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	329 U	329 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	326 U	168 U	168 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	349 J	985 U	985 U	526	672
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	974 U	974 U	977	671
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	2970 UJ	2970 UJ	353 J	557 J
13B-0509-C2BS	0.5 - 1.5 ft	339 U	339 U	206 J	659 U	659 U	337 J	643
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 U	807 U	807 U	238 J	346 J
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	195 U	195 U	100 U	34.6 J
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	445 UJ	445 UJ	107 J	268 J
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	977 U	977 U	503 U	213 J
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	1320 U	1320 U	155 J	258 J
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	1310 U	1310 U	1410	497 J
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	390 UJ	390 UJ	56.7 J	152 J
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	1470 UJ	1470 UJ	757 UJ	282 J
13B-0514-G1AS	0 - 0.5 ft	189 UJ	189 UJ	189 UJ	367 UJ	367 UJ	170 J	280 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	326 U	326 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	3390 UJ	3390 UJ	412 J	588 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	330 U	330 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	1730 UJ	1730 UJ	203 J	413 J
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	10700 UJ	10700 UJ	5520 UJ	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	1310 U	1310 U	340 J	558 J

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Analytic Method		**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
Analyte		**4-Chloroaniline**	**4-Chlorophenyl-phenylether**	**4-Methylphenol**	**4-Nitroaniline**	**4-Nitrophenol**	**Acenaphthene**	**Acenaphthylene**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**--**	**--**	**78.6**	**--**	**--**	**20.5**	**34.6**
Maximum Detect		**--**	**--**	**850**	**--**	**--**	**2510**	**2890**
Mean of Detects		**--**	**--**	**261**	**--**	**--**	**350**	**408**
St. Dev. of Detects		**--**	**--**	**226**	**--**	**--**	**402**	**347**
CV of Detects		**--**	**--**	**0.867**	**--**	**--**	**1.15**	**0.852**
% Detected		**0.00**	**0.00**	**3.98**	**0.00**	**0.00**	**72.1**	**82.3**
Sample ID	**Depth Interval**							
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	820 UJ	820 UJ	171 J	356 J
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	327 U	169 U	169 U
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	326 U	326 U	79.2 J	299
13B-0518-G1AT	0 - 0.5 ft	169 U	169 U	169 U	328 U	328 U	113 J	272
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	982 U	982 U	113 J	171 J
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	2630 U	2630 U	301 J	317 J
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	329 U	329 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	331 U	331 U	107 J	199
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	767 UJ	767 UJ	124 J	207 J
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	329 U	329 U	47.4 J	48.3 J
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	5390 UJ	5390 UJ	2780 UJ	2780 UJ
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	331 U	331 U	76.7 J	153 J
13B-0521-C3CS	1.5 - 2.5 ft	168 U	168 U	168 U	326 U	326 U	559	290
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	574 UJ	574 UJ	121 J	334 J
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	547 UJ	547 UJ	91.5 J	213 J
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	617 UJ	617 UJ	318 UJ	146 J
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	380 UJ	380 UJ	737 UJ	737 UJ	338 J	438 J
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	372 UJ	372 UJ	721 UJ	721 UJ	380 J	547 J
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	8590 UJ	8590 UJ	2480 J	1760 J
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	792 UJ	792 UJ	320 J	550 J
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	1020 UJ	1020 UJ	152 J	360 J
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	2040 UJ	2040 UJ	1050 UJ	450 J

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Analytic Method		**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**	**SW8270C**
Analyte		**4-Chloroaniline**	**4-Chlorophenyl-phenylether**	**4-Methylphenol**	**4-Nitroaniline**	**4-Nitrophenol**	**Acenaphthene**	**Acenaphthylene**
Unit		**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Minimum Detect		**--**	**--**	**78.6**	**--**	**--**	**20.5**	**34.6**
Maximum Detect		**--**	**--**	**850**	**--**	**--**	**2510**	**2890**
Mean of Detects		**--**	**--**	**261**	**--**	**--**	**350**	**408**
St. Dev. of Detects		**--**	**--**	**226**	**--**	**--**	**402**	**347**
CV of Detects		**--**	**--**	**0.867**	**--**	**--**	**1.15**	**0.852**
% Detected		**0.00**	**0.00**	**3.98**	**0.00**	**0.00**	**72.1**	**82.3**
Sample ID	**Depth Interval**							
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	9800 U	9800 U	5050 U	5050 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	413 UJ	413 UJ	122 J	378 J
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	6170 UJ	6170 UJ	3180 UJ	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	653 U	653 U	230 J	391
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	6080 UJ	6080 UJ	1120 J	1010 J
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	9470 UJ	9470 UJ	4880 UJ	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	11600 UJ	11600 UJ	6000 UJ	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	327 U	327 U	168 U	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	327 U	327 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	327 U	327 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	8270 UJ	8270 UJ	4260 UJ	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	1830 UJ	1830 UJ	416 J	882 J
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	1640 U	1640 U	1210	1180
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	1070 UJ	1070 UJ	549 UJ	407 J
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	328 U	328 U	153 J	169 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	329 U	329 U	351	129 J
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	323 U	323 U	166 U	166 U
13B-0529-C3AS	0 - 0.5 ft	169 U	169 U	169 U	329 U	329 U	335	453
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	616 UJ	616 UJ	144 J	353 J
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	466 U	466 U	96.9 J	257
13B-0530-C4CS	1.5 - 1.62 ft	107 U	107 U	107 U	209 U	209 U	122	137
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	326 U	326 U	168 U	75.6 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	329 U	329 U	169 U	99.5 J
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	331 U	331 U	171 U	94.6 J
13B-0531-C3AS	0 - 0.5 ft	167 U	167 U	167 U	325 U	325 U	207	166 J
13B-0531-C3AT	0 - 0.5 ft	167 U	167 U	167 U	323 U	323 U	168	158 J
13B-0532-C1AS	0 - 0.5 ft	167 U	167 U	167 U	324 U	324 U	129 J	160 J
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	326 U	326 U	94.7 J	82.1 J
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	322 U	322 U	182	132 J
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	325 U	325 U	168 U	61.8 J
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	1140 UJ	1140 UJ	136 J	317 J
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	575 UJ	575 UJ	94.4 J	268 J
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	5730 UJ	5730 UJ	2950 UJ	900 J
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	946 UJ	946 UJ	1840 UJ	1840 UJ	986 J	2890 J
13B-0533-C3JS	8.5 - 9.35 ft	339 U	339 U	175 J	658 U	658 U	451	926
13B-0533-C3JT	8.5 - 9.35 ft	170 U	170 U	86.8 J	330 U	330 U	236	517
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	1300 U	1300 U	398 J	810
13B-0534-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	990 U	990 U	394 J	774
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	290 J	987 U	987 U	645	985
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1960 UJ	1960 UJ	1010 UJ	353 J
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	1500 UJ	1500 UJ	173 J	409 J
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	327 U	327 U	346	71.3 J
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	327 U	327 U	169 U	169 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	979 U	979 U	2510	497 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	78.6 J	328 U	328 U	110 J	244
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	221 J	656 U	656 U	466	655
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	1950 U	1950 U	1640	1980
13B-0536-C3AS	0 - 0.5 ft	337 U	337 U	337 U	655 U	655 U	325 J	673
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	324 U	324 U	83.9 J	142 J
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	850 J	1080 UJ	1080 UJ	124 J	236 J
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	7060 UJ	7060 UJ	3640 UJ	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	2710 UJ	2710 UJ	486 J	1390 UJ
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	662 U	662 U	270 J	309 J
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 U	980 U	980 U	355 J	814
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	2630 U	2630 U	334 J	806 J
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	325 U	325 U	167 U	49.2 J
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	746 UJ	746 UJ	179 J	385 J
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	699 UJ	699 UJ	196 J	426 J
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	1490 UJ	1490 UJ	219 J	335 J
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	994 UJ	994 UJ	141 J	251 J
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	3570 UJ	3570 UJ	1840 UJ	433 J
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	328 U	328 U	112 J	54.9 J
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	981 U	981 U	714	523
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	327 U	327 U	317	294
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	328 U	328 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	719 UJ	719 UJ	207 J	416 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	651 U	651 U	569	445
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	989 U	989 U	529	497 J
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	328 U	328 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	989 U	989 U	2290	868
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	603 UJ	603 UJ	146 J	320 J
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	330 U	330 U	170 U	68.2 J
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	648 U	648 U	110 J	157 J
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	660 UJ	660 UJ	127 J	172 J
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	653 U	653 U	232 J	249 J
13B-0546-G2AS	0 - 0.5 ft	1060 U	1060 U	1060 U	2060 U	2060 U	1390	852 J
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	2850 UJ	2850 UJ	1470 UJ	400 J
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	1840 UJ	1840 UJ	218 J	462 J
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 U	961 U	961 U	392 J	850
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	327 U	327 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	510 U	510 U	510 U	990 U	990 U	977	844
13B-0548-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	659 U	659 U	316 J	396
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	652 U	652 U	254 J	378
13B-0548-C2CS	1.5 - 2.5 ft	504 UJ	504 U	504 U	979 U	979 U	170 J	364 J
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	328 U	167 J	215
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	657 U	657 U	643	420
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 U	982 U	982 U	526	553
13B-0550-C1AS	0 - 0.5 ft	200 UJ	200 UJ	200 UJ	389 UJ	389 UJ	169 J	455 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	327 U	327 U	90.2 J	171
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	328 U	58.7 J	87.4 J
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 U	833 U	833 U	244 J	159 J
13B-0552-C1AS	0 - 0.5 ft	536 UJ	536 UJ	536 UJ	1040 UJ	1040 UJ	425 J	1060 J
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	331 U	331 U	52.7 J	133 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	329 U	329 U	170 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	331 U	331 U	126 J	123 J
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	170 U	329 U	329 U	263	222
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	324 U	324 U	180	269
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	659 U	659 U	282 J	467
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	652 U	652 U	83.3 J	181 J
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	3290 U	3290 U	1700 U	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	332 U	332 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	330 UJ	330 UJ	76.6 J	199 J
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	2830 UJ	2830 UJ	1460 UJ	474 J
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	3910 UJ	3910 UJ	448 J	624 J
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	1370 UJ	1370 UJ	202 J	424 J
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	659 U	659 U	131 J	269 J
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	660 U	660 U	95.4 J	265 J
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	755 UJ	755 UJ	156 J	340 J
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 U	658 U	658 UJ	215 J	395
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	1010 UJ	1010 UJ	165 J	273 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	3280 UJ	3280 UJ	1690 UJ	422 J
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	975 U	975 UJ	332 J	415 J
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	329 U	329 U	193	329
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	331 U	331 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	353 UJ	353 UJ	686 UJ	686 UJ	243 J	401 J
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	660 U	660 U	358	644
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	328 U	328 U	88.4 J	193
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	976 U	976 U	166 J	255 J
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	3490 UJ	3490 UJ	1800 UJ	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	659 U	659 U	198 J	256 J
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	324 U	324 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	327 U	204	582
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	656 U	656 U	344	551
13B-0560-C3CS	1.5 - 2.5 ft	848 U	848 U	848 U	1650 U	1650 U	815 J	1070
13B-0561-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	977 U	977 U	663	654
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	980 U	980 U	469 J	763
13B-0561-C2AS	0 - 0.5 ft	504 U	504 U	504 U	978 U	978 U	856	710
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	987 U	987 U	353 J	934
13B-0563-C1AS	0 - 0.5 ft	216 U	216 U	216 U	419 U	419 U	265	247
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	419 U	419 U	170 J	346
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	205 U	205 U	106 U	45.3 J
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	1690 UJ	1690 UJ	622 J	538 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	695 UJ	695 UJ	358 UJ	161 J
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	327 U	327 U	169 U	74.0 J
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	331 U	331 U	50.9 J	39.9 J
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	628 UJ	628 UJ	83.7 J	229 J
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	1650 UJ	1650 UJ	268 J	352 J
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	330 U	330 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	590 UJ	590 UJ	131 J	311 J
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	331 U	331 U	64.7 J	161 J
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	326 U	326 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	1310 U	1310 U	882	689
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	325 U	325 U	179	185
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	327 U	327 U	44.3 J	87.7 J
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	331 U	331 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	655 U	655 U	146 J	625
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	1320 U	1320 UJ	1170	802
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	1320 U	1320 UJ	445 J	425 J
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	984 U	984 UJ	305 J	245 J
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 U	329 U	329 UJ	263	222
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	989 U	989 U	119 J	216 J
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	979 U	979 U	131 J	164 J
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	328 U	328 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	329 U	329 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Chloroaniline	4-Chlorophenyl-phenylether	4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		--	--	78.6	--	--	20.5	34.6
Maximum Detect		--	--	850	--	--	2510	2890
Mean of Detects		--	--	261	--	--	350	408
St. Dev. of Detects		--	--	226	--	--	402	347
CV of Detects		--	--	0.867	--	--	1.15	0.852
% Detected		0.00	0.00	3.98	0.00	0.00	72.1	82.3
Sample ID	Depth Interval							
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	423 UJ	423 UJ	103 J	157 J
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	180 U	180 U	20.5 J	53.6 J
13B-0578-C6AS	0 - 0.5 ft	126 U	126 U	126 U	244 U	244 U	196	142
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	212 U	212 U	58.4 J	71.8 J
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 U	212 U	212 U	64.7 J	77.2 J
13B-0578-C7BS	0.5 - 1.5 ft	356 UJ	356 U	356 U	692 U	692 U	326 J	348 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0501-C1BS	0.5 - 1.5 ft	192	242	170 U	39.8 J	1010	929	1130
13B-0501-C1CS	1.5 - 2.5 ft	101 J	247	166 U	22.0 J	1060	931	1220
13B-0501-C2AS	0 - 0.5 ft	78.9 J	460	170 U	170 U	1870	1730	2280
13B-0501-C2DS	2.5 - 3.32 ft	254 J	972	679 U	679 U	4970	4110	4160
13B-0502-C2AS	0 - 0.5 ft	169 U	294	169 U	169 U	1200	1060	1360
13B-0502-C2BS	0.5 - 1.5 ft	850 U	367 J	850 U	850 U	1450	1280	1720
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1400	1350 U	1350 U	4850	4470 J	5470 J
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	57.6 J	49.8 J
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	993 J	2020 UJ	2020 UJ	3010 J	2480 J	3820 J
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	968 J	679 UJ	679 UJ	3410 J	3040 J	3990 J
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1110 J	1740 UJ	1740 UJ	3950 J	3420 J	5230 J
13B-0504-C4KS	9.5 - 10.25 ft	170 U	891	170 U	170 U	2110	1580	1990
13B-0505-C1BS	0.5 - 1.5 ft	169 U	235	169 U	169 U	918	754	1150
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	2610 J	1080 UJ	1080 UJ	9920 J	7640 J	10200 J
13B-0505-C2CS	1.5 - 2.5 ft	849 U	413 J	849 U	849 U	1670	1260	1830
13B-0505-C2FS	4.5 - 5.33 ft	170 U	53.2 J	170 U	170 U	355	252	296
13B-0506-C3AS	0 - 0.5 ft	513 UJ	709 J	513 UJ	88.3 J	3020 J	3060 J	3850 J
13B-0506-C3BS	0.5 - 1.44 ft	169 U	287	169 U	25.3 J	1500	1330	1680
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0507-C3AS	0 - 0.5 ft	169 U	197	169 U	50.8 J	853	854	1030
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	113 J	124 J	195
13B-0509-C1CS	1.5 - 2.5 ft	507 U	1070	507 U	135 J	4100	4210	5970
13B-0509-C1ES	3.17 - 4.17 ft	502 U	1340	502 U	145 J	3490	2920	3310
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1010 J	1530 UJ	1530 UJ	3190 J	3260 J	4690 J
13B-0509-C2BS	0.5 - 1.5 ft	339 U	841	339 U	118 J	3450	3600	4870
13B-0510-C1AS	0 - 0.5 ft	416 U	811	416 U	416 U	3280	2640	3970
13B-0510-C1BS	0.5 - 1.7 ft	100 U	65.2 J	100 U	100 U	369	300	451
13B-0511-C1AS	0 - 0.5 ft	229 UJ	399 J	229 UJ	97.9 J	1640 J	1960 J	3260 J
13B-0511-C1BS	0.5 - 1.5 ft	503 U	341 J	503 U	101 J	1500	1730	2870
13B-0511-C3CS	1.5 - 2.5 ft	682 U	439 J	682 U	128 J	1450	1640	2530
13B-0511-C3HS	5.95 - 6.95 ft	672 U	3370	672 U	99.2 J	5230	4670	5460
13B-0512-G1AS	0 - 0.5 ft	201 UJ	216 J	201 UJ	56.7 J	971 J	964 J	1660 J
13B-0513-G1AS	0 - 0.5 ft	757 UJ	544 J	757 UJ	210 J	1870 J	2060 J	3150 J
13B-0514-G1AS	0 - 0.5 ft	189 UJ	514 J	189 UJ	87.4 J	1690 J	1570 J	2290 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1010 J	1750 UJ	1750 UJ	3360 J	3300 J	4140 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	688 J	889 UJ	152 J	2380 J	2550 J	3840 J
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	5520 UJ	2590 J	2500 J	3550 J
13B-0516-C2LS	10.4 - 11.4 ft	677 U	814	677 U	131 J	2630	2450	3180

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0516-C3AS	0 - 0.5 ft	422 UJ	535 J	422 UJ	144 J	2240 J	2560 J	3870 J
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	65.4 J	79.4 J	114 J
13B-0518-G1AS	0 - 0.5 ft	168 U	330	168 U	31.8 J	1690	1720	2210
13B-0518-G1AT	0 - 0.5 ft	169 U	446	169 U	30.9 J	1720	1710	2260
13B-0519-C2BS	0.5 - 1.5 ft	506 U	276 J	506 U	506 U	1400	1440	1960
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	576 J	1360 U	1360 U	2420	2490	3520
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	341	170 U	52.1 J	1630	1710	2260
13B-0520-G1AS	0 - 0.5 ft	395 UJ	355 J	395 UJ	94.4 J	2000 J	2100 J	3360 J
13B-0521-C2BS	0.5 - 1.5 ft	48.9 J	125 J	169 U	169 U	559	545	765
13B-0521-C2HS	6.5 - 7.63 ft	874 J	1310 J	2780 UJ	555 J	4100 J	3970 J	6010 J
13B-0521-C3AS	0 - 0.5 ft	76.8 J	236	171 U	171 U	1190	1230	1620
13B-0521-C3CS	1.5 - 2.5 ft	99.5 J	696	168 U	29.5 J	2500	2350	2970
13B-0522-G1AS	0 - 0.5 ft	296 UJ	407 J	296 UJ	113 J	1940 J	2210 J	3550 J
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 J	282 UJ	91.5 J	1330 J	1430 J	2300 J
13B-0523-G2AS	0 - 0.5 ft	318 UJ	169 J	318 UJ	75.2 J	842 J	1010 J	1650 J
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	1060 J	380 UJ	133 J	3810 J	4080 J	5820 J
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	1190 J	372 UJ	107 J	4240 J	4370 J	5840 J
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	3660 J	4430 UJ	4430 UJ	12700 J	13400 J	17500 J
13B-0524-G1AS	0 - 0.5 ft	408 UJ	1010 J	408 UJ	94.0 J	4020 J	4120 J	5860 J
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	493 J	525 UJ	128 J	2320 J	2630 J	4140 J
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	635 J	1050 UJ	1050 UJ	2530 J	2860 J	4480 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	2890 J	2880 J	4120 J
13B-0525-C2AS	0 - 0.5 ft	213 UJ	480 J	213 UJ	94.4 J	1980 J	2350 J	3500 J
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	1190 J	3180 UJ	729 J	3900 J	4300 J	6970 J
13B-0526-C1HS	6.5 - 7.62 ft	337 U	1330	337 U	337 U	3600	3620	3640
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	2440 J	3130 UJ	3130 UJ	5730 J	5580 J	9020 J
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	1870 J	4880 UJ	4880 UJ	4600 J	4550 J	6630 J
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	1880 J	6000 UJ	6000 UJ	4920 J	4660 J	7440 J
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	54.4 J	62.7 J	112 J
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	1360 J	4260 UJ	646 J	5540 J	5750 J	8270 J
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	1210 J	941 UJ	450 J	4670 J	4520 J	6330 J
13B-0528-C3LS	10.5 - 11.54 ft	843 U	2680	843 U	145 J	6070	5110	6150
13B-0528-C4AS	0 - 0.5 ft	549 UJ	533 J	549 UJ	74.6 J	2170 J	2680 J	4290 J
13B-0529-C2BS	0.5 - 1.5 ft	169 U	53.2 J	169 U	169 U	274	222	294
13B-0529-C2CS	1.5 - 2.5 ft	169 U	93.2 J	169 U	29.0 J	816	590	610
13B-0529-C2ES	3.5 - 4.2 ft	166 U	77.6 J	166 U	166 U	200	181	208
13B-0529-C3AS	0 - 0.5 ft	169 U	834	169 U	25.9 J	2590	2440	2860
13B-0530-C3AS	0 - 0.5 ft	317 UJ	493 J	317 UJ	61.2 J	1910 J	1830 J	2790 J
13B-0530-C3BS	0.5 - 1.5 ft	240 U	322	240 U	240 U	1310	1090	1470
13B-0530-C4CS	1.5 - 1.62 ft	107 U	394	107 U	107 U	1330	977	1210
13B-0531-C1BS	0.5 - 1.5 ft	168 U	80.0 J	168 U	168 U	707	651	877

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0531-C1CS	1.5 - 2.3 ft	169 U	88.3 J	169 U	169 U	691	586	585
13B-0531-C2ES	3.5 - 4.42 ft	171 U	103 J	171 U	171 U	692	692	635
13B-0531-C3AS	0 - 0.5 ft	167 U	476	167 U	167 U	1570	1360	1730
13B-0531-C3AT	0 - 0.5 ft	167 U	599	167 U	167 U	2040	1790	2280
13B-0532-C1AS	0 - 0.5 ft	40.9 J	391	167 U	21.8 J	1400	1450	2060
13B-0532-C1BS	0.5 - 1.5 ft	168 U	141 J	168 U	168 U	448	468	629
13B-0532-C1CS	1.5 - 2.5 ft	166 U	182	166 U	166 U	660	663	839
13B-0532-C1DS	2.5 - 3.73 ft	168 U	97.0 J	168 U	168 U	486	445	493
13B-0533-C1AS	0 - 0.5 ft	587 UJ	473 J	587 UJ	587 UJ	1960 J	1940 J	3180 J
13B-0533-C1AT	0 - 0.5 ft	296 UJ	390 J	296 UJ	73.1 J	1660 J	1730 J	2750 J
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	1230 J	2950 UJ	2950 UJ	3850 J	3220 J	5040 J
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	3270 J	946 UJ	946 UJ	10600 J	9220 J	12000 J
13B-0533-C3JS	8.5 - 9.35 ft	339 U	1020	339 U	339 U	4010 J	3760 J	5260 J
13B-0533-C3JT	8.5 - 9.35 ft	170 U	541	170 U	170 U	2140 J	1940 J	2780 J
13B-0534-C2BS	0.5 - 1.5 ft	671 U	994	671 U	181 J	3840	3840	5340
13B-0534-C2CS	1.5 - 2.5 ft	510 U	907	510 U	179 J	4050	4180	6190
13B-0534-C2IS	7.5 - 8.59 ft	509 U	1100	509 U	211 J	4450	4940	7180
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	610 J	1010 UJ	162 J	2740 J	3140 J	4630 J
13B-0534-G1AT	0 - 0.5 ft	773 UJ	664 J	773 UJ	127 J	2740 J	3280 J	4970 J
13B-0535-C2BS	0.5 - 1.5 ft	169 U	85.7 J	169 U	169 U	380	404	515
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	90.2 J	79.7 J	113 J
13B-0535-C3AS	0 - 0.5 ft	504 U	1080	504 U	90.3 J	3610	3380	4100

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0536-C1BS	0.5 - 1.5 ft	169 U	295	169 U	34.9 J	1030	1120	1480
13B-0536-C1CS	1.5 - 2.5 ft	338 U	842	338 U	122 J	2990	2860	4010
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	4230	1010 U	286 J	8990	7690	8010
13B-0536-C3AS	0 - 0.5 ft	337 U	756	337 U	197 J	3230	3160	4650
13B-0537-C2AS	0 - 0.5 ft	167 U	224	167 U	36.7 J	1010	1010	1400
13B-0538-C2AS	0 - 0.5 ft	556 UJ	343 J	556 UJ	119 J	1530 J	1900 J	3020 J
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	1110 J	3640 UJ	987 J	4330 J	3900 J	5570 J
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1090 J	1390 UJ	868 J	2160 J	2050 J	2950 J
13B-0538-C3ES	3.5 - 4.8 ft	341 U	815	341 U	341 U	1880	1590	1510
13B-0539-C3BS	0.5 - 1.5 ft	505 U	823	505 U	505 U	3690	3690	4700
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	809 J	1350 U	1350 U	3210	3480	4600
13B-0539-C3HS	6.5 - 7.59 ft	167 U	96.9 J	167 U	167 U	514	669	602
13B-0539-G2AS	0 - 0.5 ft	385 UJ	484 J	385 UJ	123 J	2040 J	2130 J	3100 J
13B-0539-G2AT	0 - 0.5 ft	360 UJ	497 J	360 UJ	123 J	2100 J	1880 J	3080 J
13B-0540-C3AS	0 - 0.5 ft	765 UJ	613 J	765 UJ	152 J	2180 J	2420 J	3620 J
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	402 J	512 UJ	80.2 J	1620 J	1770 J	2570 J
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1040 J	1840 UJ	383 J	2630 J	2670 J	3910 J
13B-0540-C4LS	10.3 - 11.25 ft	169 U	70.1 J	169 U	169 U	285	224	243
13B-0541-C1BS	0.5 - 1.5 ft	506 U	1120	506 U	506 U	2130	2010	2710
13B-0541-C1CS	1.5 - 2.5 ft	169 U	369	169 U	39.3 J	1190	1190	1600
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	614 J	370 UJ	128 J	1970 J	2080 J	3150 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0542-C2BS	0.5 - 1.5 ft	335 U	852	335 U	61.1 J	2600	2470	2430
13B-0542-C2CS	1.5 - 2.5 ft	510 U	1760	510 U	70.9 J	4480	5140	4400
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	2860	510 U	133 J	4540	3800	4240
13B-0543-G1AS	0 - 0.5 ft	310 UJ	511 J	310 UJ	122 J	2220 J	2340 J	3560 J
13B-0544-C1AS	0 - 0.5 ft	170 U	107 J	170 U	170 U	565	539	849
13B-0544-C2BS	0.5 - 1.5 ft	334 U	251 J	334 U	66.9 J	1020	971	1520
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	304 J	340 UJ	53.2 J	1300 J	1340 J	2020 J
13B-0544-C2ES	3 - 3.97 ft	336 U	302 J	336 U	47.0 J	1100	1100	1430
13B-0546-G2AS	0 - 0.5 ft	1060 U	3900	1060 U	1060 U	11200	8560	10900
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	645 J	1470 UJ	1470 UJ	2190 J	1880 J	2990 J
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	533 J	949 UJ	276 J	2170 J	1780 J	2710 J
13B-0547-C3CS	1.5 - 2.5 ft	495 U	909	495 U	495 U	3530	3280	4500
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	510 U	1420	510 U	161 J	4090	3850	4710
13B-0548-C2BS	0.5 - 1.5 ft	339 U	726	339 U	53.1 J	2640	2610	3480
13B-0548-C2BT	0.5 - 1.5 ft	336 U	654	336 U	58.9 J	2190	2270	3140
13B-0548-C2CS	1.5 - 2.5 ft	504 U	391 J	504 U	504 U	1610	1700	2170
13B-0549-C2AS	0 - 0.5 ft	169 U	251	169 U	42.9 J	1060	1070	1360
13B-0549-C3BS	0.5 - 1.5 ft	338 U	837	338 U	67.6 J	2130	1660	1890
13B-0549-C3CS	1.5 - 2.65 ft	506 U	1550	506 U	506 U	3960	3500	3520
13B-0550-C1AS	0 - 0.5 ft	200 UJ	646 J	200 UJ	76.8 J	2590 J	2540 J	3630 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0550-C3BS	0.5 - 1.5 ft	168 U	384	168 U	31.1 J	1570	1500	1770
13B-0550-C3CS	1.5 - 2.5 ft	169 U	389	169 U	26.5 J	1590	1440	1500
13B-0551-G2AS	0 - 0.5 ft	429 U	954	429 U	429 U	3300	2640	4110
13B-0552-C1AS	0 - 0.5 ft	536 UJ	1390 J	536 UJ	536 UJ	5610 J	5640 J	6870 J
13B-0552-C1BS	0.5 - 1.5 ft	171 U	203 J	171 U	172	815 J	662 J	804 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	64.0 J	67.6 J	74.3 J
13B-0552-C1CT	1.5 - 2.2 ft	170 U	737	170 U	170 U	1620	1320	1420
13B-0553-C1AS	0 - 0.5 ft	170 U	390	170 U	73.2 J	1370	1340	1840
13B-0553-C2BS	0.5 - 1.5 ft	167 U	321	167 U	56.3 J	1200	1210	1640
13B-0553-C2CS	1.5 - 2.5 ft	340 U	626	340 U	99.0 J	1960	1900	2650
13B-0554-C1BS	0.5 - 1.5 ft	336 U	267 J	336 U	79.0 J	1260	1480	2510
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	1040 J	1180 J	1910
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	171 U	38.4 J	60.6 J
13B-0554-G2AS	0 - 0.5 ft	69.0 J	244 J	170 UJ	39.6 J	1300 J	1470 J	2280 J
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	697 J	1460 UJ	391 J	3060 J	3060 J	4980 J
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	1100 J	2020 UJ	331 J	4050 J	4000 J	6380 J
13B-0555-C2DS	2 - 3 ft	706 UJ	576 J	706 UJ	209 J	2020 J	2020 J	3150 J
13B-0556-C1BS	0.5 - 1.5 ft	340 U	391	340 U	62.2 J	1610	1770	2430
13B-0556-C2CS	1.5 - 2.38 ft	340 U	357	340 U	340 U	1470	1610	2230
13B-0556-C3AS	0 - 0.5 ft	389 UJ	525 J	389 UJ	86.9 J	2280 J	2540 J	3770 J
13B-0557-C1AS	0 - 0.5 ft	339 U	538	339 U	81.2 J	2820	2800	3850
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	388 J	520 UJ	92.0 J	2070 J	2160 J	3080 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	740 J	1690 UJ	1690 UJ	2960 J	2860 J	3640 J
13B-0557-C2ES	3.5 - 4.5 ft	502 U	755	502 U	85.5 J	2530	2510	3250
13B-0558-C2CS	1.5 - 2.5 ft	169 U	372	169 U	45.7 J	1460	1560	2150
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	544 J	353 UJ	91.6 J	2350 J	2470 J	3550 J
13B-0558-C3BS	0.5 - 1.5 ft	340 U	695	340 U	86.2 J	3080	2930	3710
13B-0559-C2AS	0 - 0.5 ft	169 U	283	169 U	169 U	1190	1120	1390
13B-0559-C2BS	0.5 - 1.5 ft	503 U	427 J	503 U	75.8 J	2070	1960	2810
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	429 J	1800 UJ	1800 UJ	1980 J	1870 J	2740 J
13B-0559-C2GS	5.5 - 646 ft	340 U	491	340 U	65.5 J	1480	1290	1700
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U	167 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	796	169 U	31.3 J	3030	2470	2830
13B-0560-C3BS	0.5 - 1.5 ft	338 U	946	338 U	73.0 J	3660	3140	3980
13B-0560-C3CS	1.5 - 2.5 ft	848 U	1830	848 U	848 U	7530	6370 J	13900 J
13B-0561-C1BS	0.5 - 1.5 ft	503 U	977	503 U	93.9 J	3640	3580	4740
13B-0561-C1CS	1.5 - 2.5 ft	505 U	1010	505 U	505 U	4100	3580	4300
13B-0561-C2AS	0 - 0.5 ft	504 U	1320	504 U	114 J	4660	4250	5600
13B-0562-G2AS	0 - 0.5 ft	509 U	1480	509 U	509 U	5340	4310	4670
13B-0563-C1AS	0 - 0.5 ft	216 U	705	216 U	216 U	2180	1720	2140
13B-0563-C1AT	0 - 0.5 ft	216 U	603	216 U	216 U	2060	1760	1870
13B-0563-C1BS	0.5 - 1.5 ft	106 U	56.1 J	106 U	106 U	235	199	276
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	1040 J	870 UJ	870 UJ	3940 J	3410 J	5760 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0564-G2AS	0 - 0.5 ft	358 UJ	194 J	358 UJ	47.2 J	872 J	893 J	1610 J
13B-0565-G1AS	0 - 0.5 ft	169 U	167 J	169 U	169 U	944	852	1190
13B-0566-G3AS	0 - 0.5 ft	171 U	156 J	171 U	171 U	503	465	694
13B-0567-G2AS	0 - 0.5 ft	323 UJ	278 J	323 UJ	103 J	1380 J	1570 J	2710 J
13B-0568-G2AS	0 - 0.5 ft	848 UJ	465 J	848 UJ	848 UJ	1860 J	1710 J	2310 J
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	415 J	304 UJ	71.1 J	2080 J	2420 J	3650 J
13B-0571-C4BS	0.5 - 1.5 ft	170 U	212	170 U	42.0 J	1100	1300	2080
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	986	675 U	675 U	4760	3750	3750
13B-0573-C2BS	0.5 - 1.5 ft	167 U	559	167 U	80.1 J	1850	1800	2390
13B-0573-C2CS	1.5 - 2.5 ft	168 U	183	168 U	23.1 J	712	704	904
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	813	337 U	337 U	3730	3780	4090
13B-0574-C1BS	0.5 - 1.5 ft	679 U	2060	679 U	96.2 J	4790	4170	4780
13B-0574-C1CS	1.5 - 2.5 ft	678 U	1400	678 U	179 J	2500	2370	3160
13B-0574-C2HS	6.4 - 7.4 ft	507 U	563	507 U	86.2 J	1370	1310	1820
13B-0574-C3AS	0 - 0.5 ft	169 U	491	169 U	50.4 J	1310	1300	1650
13B-0575-C1AS	0 - 0.5 ft	509 U	398 J	509 U	91.6 J	1850	1970	2870
13B-0575-C4BS	0.5 - 1.5 ft	505 U	355 J	505 U	505 U	1030	1010	1510
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U	170 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		40.9	53.2	--	18	54.4	38.4	49.8
Maximum Detect		874	4230	--	987	12700	13400	17500
Mean of Detects		184	743	--	131	2470	2340	3210
St. Dev. of Detects		239	691	--	156	1910	1750	2400
CV of Detects		1.30	0.931	--	1.19	0.775	0.746	0.748
% Detected		4.42	86.7	0.00	51.3	90.3	91.2	91.2
Sample ID	Depth Interval							
13B-0577-G1AS	0 - 0.5 ft	218 UJ	397 J	218 UJ	43.8 J	1960 J	2070 J	3360 J
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	155	92.9 U	92.9 U	401	375	397
13B-0578-C6AS	0 - 0.5 ft	126 U	506	126 U	42.6 J	1150	975	1300
13B-0578-C6CS	1.5 - 2.5 ft	109 U	135	109 U	18.0 J	467	437	566
13B-0578-C6CT	1.5 - 2.5 ft	109 U	142	109 U	109 U	504	485	663
13B-0578-C7BS	0.5 - 1.5 ft	356 U	666	356 U	356 U	2600	2280	3100

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0501-C1BS	0.5 - 1.5 ft	533	473	170 U	170 U
13B-0501-C1CS	1.5 - 2.5 ft	589	423	166 U	166 U
13B-0501-C2AS	0 - 0.5 ft	1060	920	170 U	170 U
13B-0501-C2DS	2.5 - 3.32 ft	2010	1550	679 U	679 U
13B-0502-C2AS	0 - 0.5 ft	652	435	169 U	169 U
13B-0502-C2BS	0.5 - 1.5 ft	829 J	571 J	850 U	850 U
13B-0502-C2CS	1.5 - 2.45 ft	2770 J	2050 J	1350 U	1350 U
13B-0503-C1BS	0.5 - 1.5 ft	138 J	62.2 J	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	1950 J	1310 J	2020 UJ	2020 UJ
13B-0504-C2BS	0.5 - 1.5 ft	2240 J	1690 J	679 UJ	679 UJ
13B-0504-C2CS	1.5 - 2.5 ft	2640 J	1600 J	1740 UJ	1740 UJ
13B-0504-C4KS	9.5 - 10.25 ft	969	711	170 U	170 U
13B-0505-C1BS	0.5 - 1.5 ft	541	402	169 U	169 U
13B-0505-C2AS	0 - 0.5 ft	4660 J	3770 J	1080 UJ	1080 UJ
13B-0505-C2CS	1.5 - 2.5 ft	884	680 J	849 U	849 U
13B-0505-C2FS	4.5 - 5.33 ft	149 J	103 J	170 U	170 U
13B-0506-C3AS	0 - 0.5 ft	2040 J	1440 J	513 UJ	513 UJ
13B-0506-C3BS	0.5 - 1.44 ft	775 J	498	169 U	169 U
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0507-C3AS	0 - 0.5 ft	518	385	169 U	169 U
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	92.5 J	53.2 J	168 U	168 U
13B-0509-C1CS	1.5 - 2.5 ft	3080	2000	507 U	507 U
13B-0509-C1ES	3.17 - 4.17 ft	1700	1000	502 U	502 U
13B-0509-C2AS	0 - 0.5 ft	2490 J	1410 J	1530 UJ	1530 UJ
13B-0509-C2BS	0.5 - 1.5 ft	2390	1410	339 U	339 U
13B-0510-C1AS	0 - 0.5 ft	1670	1380	416 U	416 U
13B-0510-C1BS	0.5 - 1.7 ft	207	149	100 U	100 U
13B-0511-C1AS	0 - 0.5 ft	1640 J	888 J	229 UJ	229 UJ
13B-0511-C1BS	0.5 - 1.5 ft	1390	771	503 U	503 U
13B-0511-C3CS	1.5 - 2.5 ft	1300	731	682 U	682 U
13B-0511-C3HS	5.95 - 6.95 ft	2990	1810	672 U	672 U
13B-0512-G1AS	0 - 0.5 ft	784 J	468 J	201 UJ	201 UJ
13B-0513-G1AS	0 - 0.5 ft	1650 J	1130 J	757 UJ	757 UJ
13B-0514-G1AS	0 - 0.5 ft	1170 J	828 J	189 UJ	189 UJ
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	2350 J	1440 J	1750 UJ	1750 UJ
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	1950 J	1150 J	889 UJ	889 UJ
13B-0516-C2CS	1.5 - 2.5 ft	2180 J	5520 UJ	5520 UJ	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	1680	974	677 U	677 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0516-C3AS	0 - 0.5 ft	1950 J	1200 J	422 UJ	422 UJ
13B-0517-G2AS	0 - 0.5 ft	89.8 J	169 U	169 U	169 U
13B-0518-G1AS	0 - 0.5 ft	1110	753	168 U	168 U
13B-0518-G1AT	0 - 0.5 ft	1120	780	169 U	169 U
13B-0519-C2BS	0.5 - 1.5 ft	1090	676	506 U	506 U
13B-0519-C2CS	1.5 - 2.5 ft	1760	1280 J	1360 U	1360 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	1220	908	170 U	170 U
13B-0520-G1AS	0 - 0.5 ft	1620 J	1200 J	395 UJ	395 UJ
13B-0521-C2BS	0.5 - 1.5 ft	370	270	169 U	169 U
13B-0521-C2HS	6.5 - 7.63 ft	3160 J	1860 J	2780 UJ	2780 UJ
13B-0521-C3AS	0 - 0.5 ft	802	538	171 U	171 U
13B-0521-C3CS	1.5 - 2.5 ft	1450	919	168 U	168 U
13B-0522-G1AS	0 - 0.5 ft	1790 J	1240 J	296 UJ	296 UJ
13B-0522-G1AT	0 - 0.5 ft	1230 J	865 J	282 UJ	282 UJ
13B-0523-G2AS	0 - 0.5 ft	812 J	576 J	318 UJ	318 UJ
13B-0524-C1BS	0.5 - 1.5 ft	3070 J	1700 J	380 UJ	380 UJ
13B-0524-C1CS	1.5 - 2.5 ft	3100 J	1980 J	372 UJ	372 UJ
13B-0524-C1GS	5.39 - 6.39 ft	8600 J	5220 J	4430 UJ	4430 UJ
13B-0524-G1AS	0 - 0.5 ft	3030 J	1700 J	408 UJ	408 UJ
13B-0525-C1BS	0.5 - 1.5 ft	1990 J	1070 J	525 UJ	525 UJ
13B-0525-C1CS	1.5 - 2.5 ft	2220 J	1190 J	1050 UJ	1050 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0525-C1HS	6.42 - 7.42 ft	2220 J	3260 J	5050 U	5050 U
13B-0525-C2AS	0 - 0.5 ft	1810 J	1130 J	213 UJ	213 UJ
13B-0526-C1BS	0.5 - 1.5 ft	3400 J	1770 J	3180 UJ	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	2120	1040	337 U	337 U
13B-0526-C2AS	0 - 0.5 ft	4360 J	2570 J	3130 UJ	3130 UJ
13B-0526-C2CS	1.5 - 2.5 ft	3510 J	2020 J	4880 UJ	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	3750 J	2050 J	6000 UJ	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	61.2 J	89.3 J	168 U	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	5060 J	2820 J	4260 UJ	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	3630 J	1920 J	941 UJ	941 UJ
13B-0528-C3LS	10.5 - 11.54 ft	3070	2010	843 U	843 U
13B-0528-C4AS	0 - 0.5 ft	2240 J	1380 J	549 UJ	549 UJ
13B-0529-C2BS	0.5 - 1.5 ft	129 J	89.7 J	169 U	169 U
13B-0529-C2CS	1.5 - 2.5 ft	272	195	169 U	169 U
13B-0529-C2ES	3.5 - 4.2 ft	99.1 J	62.9 J	166 U	166 U
13B-0529-C3AS	0 - 0.5 ft	1400	866	169 U	169 U
13B-0530-C3AS	0 - 0.5 ft	1390 J	955 J	317 UJ	317 UJ
13B-0530-C3BS	0.5 - 1.5 ft	714	476	240 U	240 U
13B-0530-C4CS	1.5 - 1.62 ft	589	417	107 U	107 U
13B-0531-C1BS	0.5 - 1.5 ft	333	276	168 U	168 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0531-C1CS	1.5 - 2.3 ft	379	210	169 U	169 U
13B-0531-C2ES	3.5 - 4.42 ft	400	152 J	171 U	171 U
13B-0531-C3AS	0 - 0.5 ft	835	643	167 U	167 U
13B-0531-C3AT	0 - 0.5 ft	1110	801	167 U	167 U
13B-0532-C1AS	0 - 0.5 ft	975	594	167 U	167 U
13B-0532-C1BS	0.5 - 1.5 ft	332	194	168 U	168 U
13B-0532-C1CS	1.5 - 2.5 ft	441	253	166 U	166 U
13B-0532-C1DS	2.5 - 3.73 ft	248	152 J	168 U	168 U
13B-0533-C1AS	0 - 0.5 ft	1650 J	1160 J	587 UJ	587 UJ
13B-0533-C1AT	0 - 0.5 ft	1470 J	1090 J	296 UJ	296 UJ
13B-0533-C3BS	0.5 - 1.5 ft	2850 J	1960 J	2950 UJ	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	7330 J	4210 J	946 UJ	946 UJ
13B-0533-C3JS	8.5 - 9.35 ft	2600 J	1820 J	339 U	339 U
13B-0533-C3JT	8.5 - 9.35 ft	1360 J	875 J	170 U	170 U
13B-0534-C2BS	0.5 - 1.5 ft	2810	1440	671 U	671 U
13B-0534-C2CS	1.5 - 2.5 ft	3150	1700	510 U	510 U
13B-0534-C2IS	7.5 - 8.59 ft	3800	2340	509 U	509 U
13B-0534-G1AS	0 - 0.5 ft	2460 J	1550 J	1010 UJ	1010 UJ
13B-0534-G1AT	0 - 0.5 ft	2520 J	1410 J	773 UJ	773 UJ
13B-0535-C2BS	0.5 - 1.5 ft	275	168 J	169 U	169 U
13B-0535-C2CS	1.5 - 2.45 ft	50.9 J	169 U	169 U	169 U
13B-0535-C3AS	0 - 0.5 ft	2100	1320	504 U	504 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0536-C1BS	0.5 - 1.5 ft	741	412	169 U	169 U
13B-0536-C1CS	1.5 - 2.5 ft	2050	1300	338 U	338 U
13B-0536-C1FS	4.28 - 5.28 ft	4000	2460	1010 U	1010 U
13B-0536-C3AS	0 - 0.5 ft	2310	1220	337 U	337 U
13B-0537-C2AS	0 - 0.5 ft	675	565	167 U	167 U
13B-0538-C2AS	0 - 0.5 ft	1480 J	1010 J	556 UJ	556 UJ
13B-0538-C3BS	0.5 - 1.5 ft	2650 J	1970 J	3640 UJ	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1420 J	1130 J	1390 UJ	1390 UJ
13B-0538-C3ES	3.5 - 4.8 ft	764	542	341 U	341 U
13B-0539-C3BS	0.5 - 1.5 ft	2540	2060	505 U	505 U
13B-0539-C3CS	1.5 - 2.5 ft	2390	1730	1350 U	1350 U
13B-0539-C3HS	6.5 - 7.59 ft	413	199	167 U	167 U
13B-0539-G2AS	0 - 0.5 ft	1580 J	1050 J	385 UJ	385 UJ
13B-0539-G2AT	0 - 0.5 ft	1610 J	1130 J	360 UJ	360 UJ
13B-0540-C3AS	0 - 0.5 ft	1800 J	1310 J	765 UJ	765 UJ
13B-0540-C4BS	0.5 - 1.5 ft	1270 J	831 J	512 UJ	512 UJ
13B-0540-C4CS	1.5 - 2.5 ft	1880 J	1350 J	1840 UJ	1840 UJ
13B-0540-C4LS	10.3 - 11.25 ft	123 J	95.7 J	169 U	169 U
13B-0541-C1BS	0.5 - 1.5 ft	1370	943	506 U	506 U
13B-0541-C1CS	1.5 - 2.5 ft	841	449	169 U	169 U
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	1590 J	854 J	370 UJ	370 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0542-C2BS	0.5 - 1.5 ft	1350	685	335 U	335 U
13B-0542-C2CS	1.5 - 2.5 ft	3230	1400	510 U	510 U
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	2180	1180	510 U	510 U
13B-0543-G1AS	0 - 0.5 ft	1690 J	1110 J	310 UJ	310 UJ
13B-0544-C1AS	0 - 0.5 ft	363	277	170 U	170 U
13B-0544-C2BS	0.5 - 1.5 ft	688	490	334 U	334 U
13B-0544-C2CS	1.5 - 2.5 ft	948 J	706 J	340 UJ	340 UJ
13B-0544-C2ES	3 - 3.97 ft	687	510	336 U	336 U
13B-0546-G2AS	0 - 0.5 ft	5160	3550	1060 U	1060 U
13B-0547-C3AS	0 - 0.5 ft	1630 J	1080 J	1470 UJ	1470 UJ
13B-0547-C3BS	0.5 - 1.5 ft	1540 J	1020 J	949 UJ	949 UJ
13B-0547-C3CS	1.5 - 2.5 ft	2390	1690	495 U	495 U
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	2140	1530	510 U	510 U
13B-0548-C2BS	0.5 - 1.5 ft	1670	1330	339 U	339 U
13B-0548-C2BT	0.5 - 1.5 ft	1490	1130	336 U	336 U
13B-0548-C2CS	1.5 - 2.5 ft	1110	828	504 U	504 U
13B-0549-C2AS	0 - 0.5 ft	686	521	169 U	169 U
13B-0549-C3BS	0.5 - 1.5 ft	875	658	338 U	338 U
13B-0549-C3CS	1.5 - 2.65 ft	1890	1210	506 U	506 U
13B-0550-C1AS	0 - 0.5 ft	1750 J	1240 J	200 UJ	200 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0550-C3BS	0.5 - 1.5 ft	1020	554	168 U	168 U
13B-0550-C3CS	1.5 - 2.5 ft	870	561	169 U	169 U
13B-0551-G2AS	0 - 0.5 ft	1870	1460	429 U	429 U
13B-0552-C1AS	0 - 0.5 ft	3310 J	2380 J	536 UJ	536 UJ
13B-0552-C1BS	0.5 - 1.5 ft	338 J	305 J	171 U	171 U
13B-0552-C1CS	1.5 - 2.2 ft	54.1 J	170 U	170 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	656	611	170 U	170 U
13B-0553-C1AS	0 - 0.5 ft	868	623	170 U	170 U
13B-0553-C2BS	0.5 - 1.5 ft	792	541	167 U	167 U
13B-0553-C2CS	1.5 - 2.5 ft	1300	912	340 U	340 U
13B-0554-C1BS	0.5 - 1.5 ft	1240	740	336 U	336 U
13B-0554-C1CS	1.5 - 2.5 ft	712 J	621 J	1700 U	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	1210 J	734 J	170 UJ	170 UJ
13B-0555-C2AS	0 - 0.5 ft	2620 J	1460 J	1460 UJ	1460 UJ
13B-0555-C2BS	0.5 - 1.5 ft	3070 J	1820 J	2020 UJ	2020 UJ
13B-0555-C2DS	2 - 3 ft	1670 J	964 J	706 UJ	706 UJ
13B-0556-C1BS	0.5 - 1.5 ft	1260	783	340 U	340 U
13B-0556-C2CS	1.5 - 2.38 ft	1140	682	340 U	340 U
13B-0556-C3AS	0 - 0.5 ft	1870 J	1180 J	389 UJ	389 UJ
13B-0557-C1AS	0 - 0.5 ft	1950 J	1310	339 U	339 U
13B-0557-C2BS	0.5 - 1.5 ft	1630 J	1050 J	520 UJ	520 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0557-C2CS	1.5 - 2.5 ft	1860 J	1450 J	1690 UJ	1690 UJ
13B-0557-C2ES	3.5 - 4.5 ft	1590 J	1280	502 U	502 U
13B-0558-C2CS	1.5 - 2.5 ft	1090	805	169 U	169 U
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	1740 J	1110 J	353 UJ	353 UJ
13B-0558-C3BS	0.5 - 1.5 ft	1820	1120	340 U	340 U
13B-0559-C2AS	0 - 0.5 ft	717	525	169 U	169 U
13B-0559-C2BS	0.5 - 1.5 ft	1440	1070	503 U	503 U
13B-0559-C2CS	1.5 - 2.5 ft	1390 J	914 J	1800 UJ	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	874	569	340 U	340 U
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	1320	933	169 U	169 U
13B-0560-C3BS	0.5 - 1.5 ft	1950	1540	338 U	338 U
13B-0560-C3CS	1.5 - 2.5 ft	3500 J	4620 J	848 U	848 U
13B-0561-C1BS	0.5 - 1.5 ft	2500	1890	503 U	503 U
13B-0561-C1CS	1.5 - 2.5 ft	2340	1750	505 U	505 U
13B-0561-C2AS	0 - 0.5 ft	2820	2190	504 U	504 U
13B-0562-G2AS	0 - 0.5 ft	2420	1840	509 U	509 U
13B-0563-C1AS	0 - 0.5 ft	1040	752	216 U	216 U
13B-0563-C1AT	0 - 0.5 ft	975	740	216 U	216 U
13B-0563-C1BS	0.5 - 1.5 ft	143	95.8 J	106 U	106 U
13B-0563-C2CS	1.1 - 2.5 ft	2690 J	1680 J	870 UJ	870 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0564-G2AS	0 - 0.5 ft	792 J	467 J	358 UJ	358 UJ
13B-0565-G1AS	0 - 0.5 ft	582	463	169 U	169 U
13B-0566-G3AS	0 - 0.5 ft	347	258	171 U	171 U
13B-0567-G2AS	0 - 0.5 ft	1410 J	841 J	323 UJ	323 UJ
13B-0568-G2AS	0 - 0.5 ft	1300 J	756 J	848 UJ	848 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	1850 J	1150 J	304 UJ	304 UJ
13B-0571-C4BS	0.5 - 1.5 ft	1010	595	170 U	170 U
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	2060	1460	675 U	675 U
13B-0573-C2BS	0.5 - 1.5 ft	1100	941	167 U	167 U
13B-0573-C2CS	1.5 - 2.5 ft	511	348	168 U	168 U
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	1960	1370	337 U	337 U
13B-0574-C1BS	0.5 - 1.5 ft	2340 J	1610	679 U	679 U
13B-0574-C1CS	1.5 - 2.5 ft	1690 J	1230	678 U	678 U
13B-0574-C2HS	6.4 - 7.4 ft	920 J	679	507 U	507 U
13B-0574-C3AS	0 - 0.5 ft	867 J	566	169 U	169 U
13B-0575-C1AS	0 - 0.5 ft	1420	1150	509 U	509 U
13B-0575-C4BS	0.5 - 1.5 ft	754	493 J	505 U	505 U
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane	bis-(2-Chloroethyl)ether
Unit		ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		50.9	53.2	--	--
Maximum Detect		8600	5220	--	--
Mean of Detects		1630	1100	--	--
St. Dev. of Detects		1190	787	--	--
CV of Detects		0.731	0.717	--	--
% Detected		90.7	88.9	0.00	0.00
Sample ID	Depth Interval				
13B-0577-G1AS	0 - 0.5 ft	1630 J	1230 J	218 UJ	218 UJ
13B-0578-C5GS	5.25 - 6.25 ft	220	151	92.9 U	92.9 U
13B-0578-C6AS	0 - 0.5 ft	600	479	126 U	126 U
13B-0578-C6CS	1.5 - 2.5 ft	385	193	109 U	109 U
13B-0578-C6CT	1.5 - 2.5 ft	309	191	109 U	109 U
13B-0578-C7BS	0.5 - 1.5 ft	1400	1060	356 U	356 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0501-C1BS	0.5 - 1.5 ft	1530	170 U	329 U	72.7 J	1100	159 J
13B-0501-C1CS	1.5 - 2.5 ft	3920	80.5 J	323 U	75.5 J	1100	209
13B-0501-C2AS	0 - 0.5 ft	1150	170 U	330 U	223	2110	310
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	1320 U	679 U	5660	635 J
13B-0502-C2AS	0 - 0.5 ft	1140	54.2 J	328 U	110 J	1230	176
13B-0502-C2BS	0.5 - 1.5 ft	18100	850 U	1650 U	850 U	1540	232 J
13B-0502-C2CS	1.5 - 2.45 ft	38000	1360	2630 U	370 J	5330	757 J
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	328 U	169 U	169 U	468
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	327 U	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	100 J	168 U	326 U	168 U	48.8 J	168 U
13B-0504-C2AS	0 - 0.5 ft	42700 J	2020 UJ	3920 UJ	2020 UJ	3580 J	2020 UJ
13B-0504-C2BS	0.5 - 1.5 ft	18700 J	679 UJ	1320 UJ	194 J	4250 J	587 J
13B-0504-C2CS	1.5 - 2.5 ft	39500 J	1740 UJ	3370 UJ	1740 UJ	5370 J	634 J
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	324 J	93.7 J	2400	296
13B-0505-C1BS	0.5 - 1.5 ft	3820	56.3 J	328 U	130 J	966	133 J
13B-0505-C2AS	0 - 0.5 ft	7390 J	402 J	2090 UJ	795 J	10200 J	1150 J
13B-0505-C2CS	1.5 - 2.5 ft	26700	233 J	1650 U	849 U	1760	229 J
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	329 U	170 U	414	170 U
13B-0506-C3AS	0 - 0.5 ft	8690 J	298 J	996 UJ	257 J	3620 J	636 J
13B-0506-C3BS	0.5 - 1.44 ft	3550	169 U	328 U	54.1 J	1750	243 J
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	323 U	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	328 U	169 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0507-C3AS	0 - 0.5 ft	178	169 U	328 U	48.2 J	1100	167 J
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	329 U	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	289	168 U	326 U	168 U	140 J	168 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	985 UJ	187 J	5080	795
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	974 UJ	502 U	3930	429 J
13B-0509-C2AS	0 - 0.5 ft	27400 J	1530 UJ	2970 UJ	1530 UJ	4230 J	586 J
13B-0509-C2BS	0.5 - 1.5 ft	2850	339 U	659 UJ	206 J	4160	647
13B-0510-C1AS	0 - 0.5 ft	791	416 U	807 U	315 J	3710	430
13B-0510-C1BS	0.5 - 1.7 ft	131	100 U	195 U	29.9 J	369	49.5 J
13B-0511-C1AS	0 - 0.5 ft	7120 J	229 UJ	445 UJ	141 J	2300 J	386 J
13B-0511-C1BS	0.5 - 1.5 ft	10300	231 J	977 U	503 U	1880	302 J
13B-0511-C3CS	1.5 - 2.5 ft	19100	208 J	1320 U	682 U	1950	290 J
13B-0511-C3HS	5.95 - 6.95 ft	5250	672 U	1310 U	208 J	5720	721
13B-0512-G1AS	0 - 0.5 ft	2880 J	108 J	390 UJ	95.4 J	1240 J	189 J
13B-0513-G1AS	0 - 0.5 ft	19000 J	757 UJ	1470 UJ	757 UJ	2610 J	484 J
13B-0514-G1AS	0 - 0.5 ft	4520 J	158 J	367 UJ	145 J	2100 J	260 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	326 UJ	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	32000 J	1750 UJ	3390 UJ	1750 UJ	4160 J	575 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	330 UJ	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	23000 J	498 J	1730 UJ	889 UJ	2890 J	439 J
13B-0516-C2CS	1.5 - 2.5 ft	146000 J	5520 UJ	10700 UJ	5520 UJ	3240 J	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	17100	677 U	1310 U	677 U	3100	389 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0516-C3AS	0 - 0.5 ft	12300 J	326 J	820 UJ	160 J	2910 J	454 J
13B-0517-G2AS	0 - 0.5 ft	140 J	169 U	327 U	169 U	92.2 J	169 U
13B-0518-G1AS	0 - 0.5 ft	2190	60.7 J	326 U	118 J	1940	290
13B-0518-G1AT	0 - 0.5 ft	2270	129 J	328 U	166 J	1960	294
13B-0519-C2BS	0.5 - 1.5 ft	9210	160 J	982 U	506 U	1730	386 J
13B-0519-C2CS	1.5 - 2.5 ft	30300	527 J	2630 U	1360 U	3090	483 J
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	329 U	169 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	3720	212	331 U	115 J	2110	370
13B-0520-G1AS	0 - 0.5 ft	7020 J	298 J	767 UJ	155 J	2700 J	376 J
13B-0521-C2BS	0.5 - 1.5 ft	474	169 U	329 U	55.1 J	623	95.0 J
13B-0521-C2HS	6.5 - 7.63 ft	60400 J	2780 UJ	5390 UJ	2780 UJ	5580 J	722 J
13B-0521-C3AS	0 - 0.5 ft	1040	171 U	331 U	95.9 J	1390	203
13B-0521-C3CS	1.5 - 2.5 ft	2740	168 U	326 U	225	2620	376
13B-0522-G1AS	0 - 0.5 ft	9600 J	204 J	574 UJ	145 J	2880 J	455 J
13B-0522-G1AT	0 - 0.5 ft	6960 J	221 J	547 UJ	102 J	1980 J	338 J
13B-0523-G2AS	0 - 0.5 ft	4340 J	95.8 J	617 UJ	318 UJ	1240 J	215 J
13B-0524-C1BS	0.5 - 1.5 ft	7900 J	160 J	737 UJ	255 J	4080 J	684 J
13B-0524-C1CS	1.5 - 2.5 ft	12700 J	387 J	721 UJ	275 J	4440 J	735 J
13B-0524-C1GS	5.39 - 6.39 ft	116000 J	4430 UJ	8590 UJ	4430 UJ	13100 J	2170 J
13B-0524-G1AS	0 - 0.5 ft	3950 J	408 UJ	792 UJ	222 J	4340 J	693 J
13B-0525-C1BS	0.5 - 1.5 ft	10800 J	319 J	1020 UJ	170 J	2960 J	431 J
13B-0525-C1CS	1.5 - 2.5 ft	20700 J	1050 UJ	2040 UJ	1050 UJ	3240 J	525 J

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	Analytic Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
	Analyte	bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
	Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	Minimum Detect	36.3	51.8	247	29.9	48.8	37.1
	Maximum Detect	148000	8520	7790	1310	13100	2170
	Mean of Detects	15700	391	1970	189	2940	433
	St. Dev. of Detects	26000	1090	2930	156	2150	287
	CV of Detects	1.66	2.79	1.49	0.823	0.731	0.662
	% Detected	74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0525-C1HS	6.42 - 7.42 ft	148000	5050 U	9800 U	5050 U	3470 J	5050 U
13B-0525-C2AS	0 - 0.5 ft	5870 J	193 J	413 UJ	156 J	2650 J	398 J
13B-0526-C1BS	0.5 - 1.5 ft	83200 J	3180 UJ	6170 UJ	3180 UJ	5450 J	877 J
13B-0526-C1HS	6.5 - 7.62 ft	5380	337 U	653 U	337 U	3550	424
13B-0526-C2AS	0 - 0.5 ft	84700 J	3130 UJ	6080 UJ	3130 UJ	8020 J	1030 J
13B-0526-C2CS	1.5 - 2.5 ft	112000 J	4880 UJ	9470 UJ	4880 UJ	6260 J	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	116000 J	6000 UJ	11600 UJ	6000 UJ	6650 J	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	259	168 U	327 UJ	168 U	79.0 J	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	327 UJ	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	327 UJ	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	96100 J	4260 UJ	8270 UJ	4260 UJ	7710 J	1350 J
13B-0528-C3CS	1.5 - 2.5 ft	21200 J	941 UJ	1830 UJ	941 UJ	6160 J	819 J
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	1640 U	843 U	7200	836 J
13B-0528-C4AS	0 - 0.5 ft	10100 J	549 UJ	1070 UJ	209 J	3010 J	465 J
13B-0529-C2BS	0.5 - 1.5 ft	370	169 U	328 U	169 U	295	169 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	329 U	169 U	839	85.3 J
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	323 U	166 U	190	166 U
13B-0529-C3AS	0 - 0.5 ft	750	68.9 J	329 U	266	2820	393
13B-0530-C3AS	0 - 0.5 ft	6680 J	172 J	616 UJ	154 J	2380 J	341 J
13B-0530-C3BS	0.5 - 1.5 ft	3600	89.1 J	466 U	85.6 J	1450	175 J
13B-0530-C4CS	1.5 - 1.62 ft	1060	107 U	209 U	53.7 J	1280	148
13B-0531-C1BS	0.5 - 1.5 ft	209	168 U	326 UJ	168 U	635	100 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	329 UJ	169 U	689	91.7 J
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	331 UJ	171 U	697	88.4 J
13B-0531-C3AS	0 - 0.5 ft	1030 J	167 U	325 UJ	174	1690	209
13B-0531-C3AT	0 - 0.5 ft	301 J	167 U	323 UJ	216	2020	289
13B-0532-C1AS	0 - 0.5 ft	6430	167 U	324 U	156 J	1610	242
13B-0532-C1BS	0.5 - 1.5 ft	449	168 U	326 U	168 U	515	83.8 J
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	322 U	166 U	793	111 J
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	325 U	168 U	487	65.9 J
13B-0533-C1AS	0 - 0.5 ft	13800 J	208 J	1140 UJ	169 J	2500 J	349 J
13B-0533-C1AT	0 - 0.5 ft	8770 J	202 J	575 UJ	155 J	2240 J	355 J
13B-0533-C3BS	0.5 - 1.5 ft	57100 J	2950 UJ	5730 UJ	2950 UJ	5060 J	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	53700 J	946 UJ	7790 J	499 J	12400 J	1310 J
13B-0533-C3JS	8.5 - 9.35 ft	339 U	339 U	658 U	214 J	4450 J	729
13B-0533-C3JT	8.5 - 9.35 ft	81.9 J	170 U	330 U	127 J	2410 J	343
13B-0534-C2BS	0.5 - 1.5 ft	18600	671 U	1300 U	671 U	5030	629 J
13B-0534-C2CS	1.5 - 2.5 ft	753	510 U	990 U	510 U	5160	697
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	987 U	271 J	5630	968
13B-0534-G1AS	0 - 0.5 ft	18900 J	1010 UJ	1960 UJ	1010 UJ	3500 J	565 J
13B-0534-G1AT	0 - 0.5 ft	21200 J	773 UJ	1500 UJ	773 UJ	3850 J	594 J
13B-0535-C2BS	0.5 - 1.5 ft	259	169 U	327 UJ	169 U	437	65.7 J
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	327 UJ	169 U	92.9 J	169 U
13B-0535-C3AS	0 - 0.5 ft	12900	504 U	979 UJ	179 J	3740	537

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	328 U	169 U	1260	195
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	656 U	127 J	3480	538
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1950 U	1010 U	10400	1140
13B-0536-C3AS	0 - 0.5 ft	893	337 U	655 U	172 J	3730	519
13B-0537-C2AS	0 - 0.5 ft	1920	167 U	324 U	89.9 J	1210	205
13B-0538-C2AS	0 - 0.5 ft	7420 J	556 UJ	1080 UJ	157 J	2480 J	353 J
13B-0538-C3BS	0.5 - 1.5 ft	72900 J	3640 UJ	7060 UJ	3640 UJ	6050 J	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	43200 J	1390 UJ	2710 UJ	1390 UJ	3140 J	378 J
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	662 U	341 U	2220	213 J
13B-0539-C3BS	0.5 - 1.5 ft	2760	505 U	980 U	145 J	4680	792
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	2630 U	1350 U	4180	709 J
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	325 U	167 U	586	89.6 J
13B-0539-G2AS	0 - 0.5 ft	4680 J	385 UJ	746 UJ	114 J	2940 J	328 J
13B-0539-G2AT	0 - 0.5 ft	3940 J	360 UJ	699 UJ	115 J	2930 J	486 J
13B-0540-C3AS	0 - 0.5 ft	17800 J	765 UJ	1490 UJ	765 UJ	3260 J	447 J
13B-0540-C4BS	0.5 - 1.5 ft	7880 J	512 UJ	994 UJ	512 UJ	2120 J	331 J
13B-0540-C4CS	1.5 - 2.5 ft	47400 J	1840 UJ	3570 UJ	1840 UJ	3670 J	531 J
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	328 U	169 U	326	169 U
13B-0541-C1BS	0.5 - 1.5 ft	7360	506 U	981 U	506 U	2680	303 J
13B-0541-C1CS	1.5 - 2.5 ft	1980	169 U	247 J	169 U	1410	218
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	328 UJ	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	11000 J	370 UJ	719 UJ	129 J	2570 J	387 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	651 UJ	335 U	2810	313 J
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	989 UJ	510 U	4400	537
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	328 UJ	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	989 UJ	510 U	4880	622
13B-0543-G1AS	0 - 0.5 ft	4420 J	310 UJ	603 UJ	235 J	2730 J	438 J
13B-0544-C1AS	0 - 0.5 ft	675	170 U	330 U	61.1 J	709	99.5 J
13B-0544-C2BS	0.5 - 1.5 ft	5190	113 J	648 U	334 U	1260	177 J
13B-0544-C2CS	1.5 - 2.5 ft	7920 J	130 J	660 UJ	105 J	1760 J	284 J
13B-0544-C2ES	3 - 3.97 ft	7700	336 U	653 U	336 U	1440	204 J
13B-0546-G2AS	0 - 0.5 ft	642 J	8520	2060 U	1310	10400	1250
13B-0547-C3AS	0 - 0.5 ft	40400 J	1470 UJ	2850 UJ	1470 UJ	2910 J	383 J
13B-0547-C3BS	0.5 - 1.5 ft	21100 J	949 UJ	1840 UJ	949 UJ	2820 J	329 J
13B-0547-C3CS	1.5 - 2.5 ft	1270	495 U	961 U	188 J	4060	616
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	327 U	168 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	4010	510 U	990 U	227 J	5080	732
13B-0548-C2BS	0.5 - 1.5 ft	2720	95.8 J	659 U	267 J	3430	493
13B-0548-C2BT	0.5 - 1.5 ft	3600	194 J	652 U	212 J	2850	523
13B-0548-C2CS	1.5 - 2.5 ft	14000	504 U	979 U	504 U	2110	300 J
13B-0549-C2AS	0 - 0.5 ft	987	52.7 J	328 U	60.7 J	1390	226
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	657 U	338 U	2450	309 J
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	982 U	506 U	4120	571
13B-0550-C1AS	0 - 0.5 ft	4100 J	202 J	389 UJ	210 J	3230 J	445 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0550-C3BS	0.5 - 1.5 ft	1890	168 U	327 U	49.0 J	1630	207
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	328 U	169 U	1500	170
13B-0551-G2AS	0 - 0.5 ft	2220	429 U	833 U	429	3570	427 J
13B-0552-C1AS	0 - 0.5 ft	12900 J	171 J	1040 UJ	384 J	6710 J	1100 J
13B-0552-C1BS	0.5 - 1.5 ft	730	214	331 U	61.8 J	885 J	105 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	329 U	170 U	72.1 J	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	331 U	170 U	1440	188
13B-0553-C1AS	0 - 0.5 ft	3410	51.8 J	329 U	87.9 J	1670	271
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	324 U	167 U	1500	242
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	659 U	340 U	2650	596
13B-0554-C1BS	0.5 - 1.5 ft	6250	156 J	652 UJ	95.9 J	1710	246 J
13B-0554-C1CS	1.5 - 2.5 ft	38100	1700 U	3290 UJ	1700 U	1320 J	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	332 UJ	171 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	3720 J	204 J	330 UJ	109 J	1660 J	278 J
13B-0555-C2AS	0 - 0.5 ft	46000 J	1460 UJ	2830 UJ	1460 UJ	4090 J	598 J
13B-0555-C2BS	0.5 - 1.5 ft	45500 J	2020 UJ	3910 UJ	2020 UJ	5290 J	714 J
13B-0555-C2DS	2 - 3 ft	22500 J	706 UJ	1370 UJ	706 UJ	2800 J	444 J
13B-0556-C1BS	0.5 - 1.5 ft	7910	525	659 U	141 J	1970	277 J
13B-0556-C2CS	1.5 - 2.38 ft	7880	199 J	660 U	100 J	1600	285 J
13B-0556-C3AS	0 - 0.5 ft	7100 J	228 J	755 UJ	167 J	2770 J	412 J
13B-0557-C1AS	0 - 0.5 ft	7820	1510	658 U	227 J	3320	555 J
13B-0557-C2BS	0.5 - 1.5 ft	11100 J	567 J	1010 UJ	140 J	2670 J	444 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0557-C2CS	1.5 - 2.5 ft	45100 J	1690 UJ	3280 UJ	1690 UJ	3400 J	770 J
13B-0557-C2ES	3.5 - 4.5 ft	10200	502 U	975 U	176 J	3140	484 J
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	329 U	69.9 J	2060	285
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	331 U	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	4680 J	151 J	686 UJ	249 J	2870 J	430 J
13B-0558-C3BS	0.5 - 1.5 ft	1470	340 U	660 U	107 J	3600	490
13B-0559-C2AS	0 - 0.5 ft	1050	75.3 J	328 U	84.6 J	1290	197
13B-0559-C2BS	0.5 - 1.5 ft	8410 J	200 J	976 U	147 J	2550	373 J
13B-0559-C2CS	1.5 - 2.5 ft	42200 J	1800 UJ	1210 J	1800 UJ	2380 J	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	8710	340 U	293 J	131 J	1640	227 J
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	324 U	167 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	860	169 U	327 U	136 J	3130	394
13B-0560-C3BS	0.5 - 1.5 ft	6030	641	656 U	301 J	3780	496
13B-0560-C3CS	1.5 - 2.5 ft	21700	406 J	1650 U	656 J	7380	1070 J
13B-0561-C1BS	0.5 - 1.5 ft	5610	503 U	977 U	348 J	4990	677
13B-0561-C1CS	1.5 - 2.5 ft	1790	505 U	980 U	268 J	5060	644
13B-0561-C2AS	0 - 0.5 ft	8590	504 U	978 U	335 J	5780	723
13B-0562-G2AS	0 - 0.5 ft	2790	509 U	987 U	197 J	5570	676
13B-0563-C1AS	0 - 0.5 ft	434	216 U	419 U	260	2090	266
13B-0563-C1AT	0 - 0.5 ft	365	216 U	419 U	93.4 J	2170	256
13B-0563-C1BS	0.5 - 1.5 ft	144	106 U	205 U	106 U	248	37.1 J
13B-0563-C2CS	1.1 - 2.5 ft	14500 J	870 UJ	1690 UJ	315 J	4970 J	676 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0564-G2AS	0 - 0.5 ft	5260 J	117 J	695 UJ	358 UJ	1210 J	161 J
13B-0565-G1AS	0 - 0.5 ft	1410	169 U	327 U	76.1 J	1040	168 J
13B-0566-G3AS	0 - 0.5 ft	1090	171 U	331 U	83.3 J	596	92.0 J
13B-0567-G2AS	0 - 0.5 ft	8140 J	174 J	628 UJ	105 J	2140 J	337 J
13B-0568-G2AS	0 - 0.5 ft	23500 J	848 UJ	1650 UJ	848 UJ	2450 J	298 J
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	330 U	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	4330 J	218 J	590 UJ	198 J	2730 J	433 J
13B-0571-C4BS	0.5 - 1.5 ft	2850	220	331 U	110 J	1280	235
13B-0571-C4MS	11.5 - 12.5 ft	168 U	196	326 U	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	1310 U	675 U	5460	532 J
13B-0573-C2BS	0.5 - 1.5 ft	1920	167 U	325 U	249	2220	351
13B-0573-C2CS	1.5 - 2.5 ft	3340	73.7 J	327 U	168 U	867	147 J
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	331 U	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	893	337 U	655 U	143 J	3930	619
13B-0574-C1BS	0.5 - 1.5 ft	4530	679 U	1320 U	197 J	5110	801 J
13B-0574-C1CS	1.5 - 2.5 ft	22500	678 U	1320 U	205 J	3090	466 J
13B-0574-C2HS	6.4 - 7.4 ft	10800	507 U	984 U	507 U	1900	237 J
13B-0574-C3AS	0 - 0.5 ft	3870	169 U	329 U	83.2 J	1570	272 J
13B-0575-C1AS	0 - 0.5 ft	9750	509 U	989 U	157 J	2550	357 J
13B-0575-C4BS	0.5 - 1.5 ft	12700	505 U	979 U	505 U	1440	211 J
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	328 U	169 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	329 U	170 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Ethylhexyl)phthalate	Butylbenzylphthalate	Caprolactam	Carbazole	Chrysene	Dibenzo(a,h)anthracene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		36.3	51.8	247	29.9	48.8	37.1
Maximum Detect		148000	8520	7790	1310	13100	2170
Mean of Detects		15700	391	1970	189	2940	433
St. Dev. of Detects		26000	1090	2930	156	2150	287
CV of Detects		1.66	2.79	1.49	0.823	0.731	0.662
% Detected		74.8	26.5	2.21	49.1	90.7	82.7
Sample ID	Depth Interval						
13B-0577-G1AS	0 - 0.5 ft	2280 J	108 J	423 UJ	279 J	2640 J	577 J
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	180 U	92.9 U	434	57.6 J
13B-0578-C6AS	0 - 0.5 ft	1390	126 U	244 U	94.0 J	1280	184
13B-0578-C6CS	1.5 - 2.5 ft	36.3 J	109 U	212 U	109 U	570	207
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	212 U	109 U	611	82.4 J
13B-0578-C7BS	0.5 - 1.5 ft	1490	356 U	692 U	159 J	2970	442

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	36.5 J	1680	79.6 J
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	83.1 J	1350	81.2 J
13B-0501-C2AS	0 - 0.5 ft	89.1 J	170 U	170 U	170 U	330 U	3450	191
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	679 U	1320 U	8210	304 J
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	43.0 J	2170	98.6 J
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	850 U	363 J	2960	850 U
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	1350 U	2720 J	8430	671 J
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	327 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	326 U	79.3 J	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	21700 J	6110 J	568 J
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	679 UJ	4710 J	6070 J	523 J
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	1740 UJ	14100 J	7410 J	721 J
13B-0504-C4KS	9.5 - 10.25 ft	62.3 J	170 U	170 U	170 U	331 U	3180	559
13B-0505-C1BS	0.5 - 1.5 ft	49.9 J	169 U	169 U	169 U	84.1 J	1690	115 J
13B-0505-C2AS	0 - 0.5 ft	463 J	1080 UJ	1080 UJ	372 J	359 J	16100 J	848 J
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	849 U	294 J	2970	849 U
13B-0505-C2FS	4.5 - 5.33 ft	170 U	71.8 J	170 U	170 U	329 U	452	170 U
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	513 UJ	292 J	4920 J	358 J
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	169 U	89.2 J	2000	106 J
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	323 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	328 U	1280	104 J
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	329 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	326 U	228	168 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	507 U	205 J	985 U	8170	502 J
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	502 U	974 U	5670	963
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	1530 UJ	3400 J	6270 J	1530 UJ
13B-0509-C2BS	0.5 - 1.5 ft	83.3 J	339 U	339 U	339 U	89.4 J	5080	335 J
13B-0510-C1AS	0 - 0.5 ft	127 J	416 U	416 U	416 U	807 U	5400	309 J
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	100 U	195 U	555	100 U
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	229 UJ	329 J	2860 J	132 J
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	977 U	2700	503 U
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	682 U	2410	2960	205 J
13B-0511-C3HS	5.95 - 6.95 ft	498 J	672 U	672 U	672 U	1010 J	9870	1650
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	201 UJ	140 J	1890 J	73.9 J
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	757 UJ	2040 J	3470 J	757 UJ
13B-0514-G1AS	0 - 0.5 ft	46.3 J	189 UJ	189 UJ	189 UJ	249 J	2830 J	189 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	326 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	1750 UJ	14400 J	6680 J	647 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	330 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	889 UJ	462 J	4660 J	274 J
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	5520 UJ	2350 J	5850 J	5520 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	677 U	8020	5090	500 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	422 UJ	220 J	4190 J	220 J
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	327 U	121 J	169 U
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	142 J	2330	110 J
13B-0518-G1AT	0 - 0.5 ft	54.5 J	169 U	169 U	169 U	72.8 J	2720	168 J
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	227 J	2840	140 J
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	1360 U	3840	4830	1360 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U	329 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	147 J	2920	129 J
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	395 UJ	618 J	3410 J	139 J
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	329 U	955	59.6 J
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	2780 UJ	11100 J	9720 J	790 J
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	31.7 J	1970	87.0 J
13B-0521-C3CS	1.5 - 2.5 ft	88.2 J	168 U	168 U	168 U	77.9 J	3630	459
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	504 J	3320 J	146 J
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	282 UJ	330 J	2290 J	93.8 J
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	318 UJ	501 J	1620 J	318 UJ
13B-0524-C1BS	0.5 - 1.5 ft	155 J	380 UJ	380 UJ	380 UJ	119 J	6200 J	505 J
13B-0524-C1CS	1.5 - 2.5 ft	146 J	372 UJ	372 UJ	372 UJ	721 UJ	6780 J	525 J
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	4430 UJ	2100 J	25200 J	1960 J
13B-0524-G1AS	0 - 0.5 ft	117 J	408 UJ	408 UJ	408 UJ	286 J	6370 J	395 J
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	525 UJ	194 J	4180 J	201 J
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	1050 UJ	301 J	5070 J	278 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	2320 J	6020	5050 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	100 J	226 J	3160 J	163 J
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	3180 UJ	9290 J	8240 J	3180 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	337 U	835	4480	270 J
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	3130 UJ	45100 J	15400 J	1990 J
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	4880 UJ	13900 J	11500 J	4880 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	6000 UJ	15100 J	12000 J	6000 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	327 U	99.8 J	168 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	327 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	327 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	4260 UJ	14100 J	12100 J	4260 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	370 J	859 J	8620 J	724 J
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	843 U	1640 U	9740	1180
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	549 UJ	658 J	3940 J	175 J
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	44.1 J	536	169 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	329 U	938	42.0 J
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	166 U	323 U	226	166 U
13B-0529-C3AS	0 - 0.5 ft	141 J	169 U	169 U	169 U	62.3 J	3300	335
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	317 UJ	327 J	3200 J	179 J
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	240 U	95.6 J	1890	132 J
13B-0530-C4CS	1.5 - 1.62 ft	26.7 J	107 U	107 U	45.6 J	74.7 J	2110	149
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	326 U	642	168 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	169 U	329 U	517	169 U
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	171 U	331 U	530	171 U
13B-0531-C3AS	0 - 0.5 ft	114 J	167 U	167 U	167 U	31.9 J	2460	224
13B-0531-C3AT	0 - 0.5 ft	93.5 J	167 U	167 U	167 U	36.2 J	3090	214
13B-0532-C1AS	0 - 0.5 ft	56.2 J	167 U	167 U	167 U	76.1 J	2230	141 J
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	326 U	764	56.6 J
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	322 U	1120	133 J
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	168 U	325 U	599	168 U
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	587 UJ	960 J	3490 J	177 J
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	477 J	2890 J	134 J
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	2950 UJ	6830 J	7390 J	2950 UJ
13B-0533-C3CS	1.5 - 2.5 ft	334 J	946 UJ	946 UJ	543 J	1180 J	16500 J	1680 J
13B-0533-C3JS	8.5 - 9.35 ft	141 J	339 U	339 U	339 U	658 U	5200 J	517
13B-0533-C3JT	8.5 - 9.35 ft	77.0 J	170 U	170 U	170 U	34.5 J	2850 J	276
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	671 U	2140	6420	544 J
13B-0534-C2CS	1.5 - 2.5 ft	143 J	510 U	510 U	510 U	990 U	6970	485 J
13B-0534-C2IS	7.5 - 8.59 ft	189 J	509 U	509 U	509 U	987 U	7090	624
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1160 J	4630 J	1010 UJ
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	773 UJ	1390 J	4670 J	208 J
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	327 U	450	45.9 J
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	327 U	129 J	169 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	116 J	5270	423 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	328 U	1680	140 J
13B-0536-C1CS	1.5 - 2.5 ft	89.6 J	338 U	338 U	338 U	656 U	5090	449
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	1010 U	1950 U	13100	2210
13B-0536-C3AS	0 - 0.5 ft	95.9 J	337 U	337 U	337 U	85.1 J	5320	381
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	120 J	1800	102 J
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	556 UJ	419 J	3200 J	157 J
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	3640 UJ	8550 J	9760 J	3640 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	1390 UJ	7440 J	5710 J	661 J
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	341 U	662 U	2760	344
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 U	505 U	980 U	6170	482 J
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	1350 U	2630 U	6000	469 J
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	167 U	325 U	472	167 U
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	385 UJ	158 J	3690 J	249 J
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	360 UJ	186 J	3790 J	268 J
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	765 UJ	2270 J	4620 J	294 J
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	512 UJ	940 J	2990 J	167 J
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	1840 UJ	22200 J	5910 J	1840 UJ
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	169 U	328 U	314	169 U
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	895 J	3900	669
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	327 U	1560	220
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	328 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	115 J	957 J	3850 J	306 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	335 U	651 U	3530	489
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	510 U	989 U	6400	404 J
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	328 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	510 U	989 U	6780	1700
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	310 UJ	260 J	4020 J	196 J
13B-0544-C1AS	0 - 0.5 ft	43.3 J	170 U	170 U	170 U	63.2 J	1100	67.6 J
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	334 U	116 J	2130	137 J
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	340 UJ	154 J	2540 J	149 J
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	336 U	127 J	1930	206 J
13B-0546-G2AS	0 - 0.5 ft	623 J	1060 U	1060 U	367 J	2060 U	17900	1510
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	1470 UJ	8870 J	4520 J	376 J
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	949 UJ	3360 J	3920 J	300 J
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 U	495 U	961 U	5400	483 J
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U	327 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	138 J	510 U	510 U	510 U	287 J	6550	786
13B-0548-C2BS	0.5 - 1.5 ft	96.5 J	339 U	339 U	339 U	119 J	5020	348
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	156 J	4460	302 J
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 U	504 U	349 J	2850	186 J
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	78.3 J	1620	139 J
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	338 U	657 U	3720	425
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 U	506 U	982 U	6140	269 J
13B-0550-C1AS	0 - 0.5 ft	57.7 J	200 UJ	200 UJ	77.8 J	159 J	4220 J	225 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	66.8 J	2100	91.4 J
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U	1960	68.2 J
13B-0551-G2AS	0 - 0.5 ft	130 J	429 U	429 U	429 U	125 J	7710	335 J
13B-0552-C1AS	0 - 0.5 ft	132 J	536 UJ	536 UJ	536 UJ	618 J	8290 J	618 J
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	171 U	331 U	1550 J	82.3 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	329 U	71.2 J	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	331 U	2770	134 J
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	165 J	170 U	152 J	2210	146 J
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	324 U	1950	107 J
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	340 U	659 U	3660	307 J
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	134 J	2280	99.0 J
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	3290 U	2040	1700 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	332 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	170 UJ	240 J	2260 J	94.4 J
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	1460 UJ	38100 J	6390 J	419 J
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	6050 J	9760 J	753 J
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	1220 J	4670 J	4010 J	280 J
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	304 J	2660	137 J
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	340 U	389 J	2250	114 J
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	389 UJ	755 UJ	3930 J	160 J
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 U	339 U	323 J	4520	237 J
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	520 UJ	581 J	3680 J	175 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	1690 UJ	2350 J	4970 J	1690 UJ
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	502 U	606 J	4840	369 J
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	329 U	2720	155 J
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	331 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	91.9 J	353 UJ	353 UJ	353 UJ	320 J	4180 J	270 J
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	124 J	241 J	4280	343
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	53.1 J	328 U	1960	103 J
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	218 J	3990	187 J
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	1800 UJ	2330 J	4240 J	1800 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	184 J	526 J	2930	250 J
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U	324 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	327 U	3350	241
13B-0560-C3BS	0.5 - 1.5 ft	92.7 J	338 U	338 U	338 U	81.4 J	5160	379
13B-0560-C3CS	1.5 - 2.5 ft	312 J	848 U	848 U	848 U	815 J	11900	944
13B-0561-C1BS	0.5 - 1.5 ft	128 J	503 U	503 U	503 U	977 U	5700	490 J
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	505 U	980 U	6160	483 J
13B-0561-C2AS	0 - 0.5 ft	129 J	504 U	504 U	188 J	1000	8400	669
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	414 J	7760	447 J
13B-0563-C1AS	0 - 0.5 ft	126 J	216 U	216 U	216 U	419 U	3260	299
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	216 U	419 U	2720	197 J
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	106 U	205 U	378	106 U
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	870 UJ	1160 J	9400 J	704 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	358 UJ	552 J	1740 J	358 UJ
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	55.4 J	1710	46.2 J
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	49.8 J	1060	63.7 J
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	323 UJ	396 J	2390 J	89.8 J
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	848 UJ	13400 J	3600 J	848 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	80.8 J	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	304 UJ	204 J	3650 J	153 J
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	41.4 J	1960	84.0 J
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	326 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	675 U	1310 U	7470	675 U
13B-0573-C2BS	0.5 - 1.5 ft	82.4 J	167 U	167 U	167 U	325 U	3830	210
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	327 U	1060	48.1 J
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	331 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	655 U	4370	204 J
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	679 U	460 J	8290	1250
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	678 U	1850	4630	630 J
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	507 U	8460	2840	344 J
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	370	2440	240
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	192 J	4170	153 J
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	228 J	3300	2560	222 J
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	328 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U	329 U	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octylphthalate	Fluoranthene	Fluorene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		26.7	71.8	165	45.6	31.7	71.2	25
Maximum Detect		623	71.8	165	1220	45100	25200	2210
Mean of Detects		141	71.8	165	280	2700	4330	367
St. Dev. of Detects		124	0.00	0.00	287	6340	3470	381
CV of Detects		0.881	0.00	0.00	1.03	2.34	0.802	1.04
% Detected		18.6	0.442	0.442	6.64	60.2	90.7	73.0
Sample ID	Depth Interval							
13B-0577-G1AS	0 - 0.5 ft	61.5 J	218 UJ	218 UJ	218 UJ	134 J	4180 J	134 J
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	92.9 U	180 U	521	25.0 J
13B-0578-C6AS	0 - 0.5 ft	83.3 J	126 U	126 U	126 U	167 J	2350	318
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	212 U	916	51.2 J
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	212 U	1020	62.4 J
13B-0578-C7BS	0.5 - 1.5 ft	97.0 J	356 U	356 U	356 U	692 U	4830	394

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	463
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	482
13B-0501-C2AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	938
13B-0501-C2DS	2.5 - 3.32 ft	679 U	679 U	679 U	679 U	1680
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	609 J
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	850 U	791 J
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	1350 U	2490 J
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	249 J
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	1620 J
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	679 UJ	679 UJ	679 UJ	2000 J
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	1740 UJ	2290 J
13B-0504-C4KS	9.5 - 10.25 ft	170 U	170 U	170 UJ	170 U	906
13B-0505-C1BS	0.5 - 1.5 ft	169 U	169 U	169 UJ	169 U	479
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	1080 UJ	1080 UJ	1080 UJ	4330 J
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 UJ	849 U	826 J
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 UJ	170 U	141 J
13B-0506-C3AS	0 - 0.5 ft	513 UJ	513 UJ	513 UJ	513 UJ	1630 J
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	169 U	618
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	426
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	81.6 J
13B-0509-C1CS	1.5 - 2.5 ft	507 U	507 U	507 U	507 U	2690
13B-0509-C1ES	3.17 - 4.17 ft	502 U	502 U	502 U	502 U	1400
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	1530 UJ	2010 J
13B-0509-C2BS	0.5 - 1.5 ft	339 U	339 U	339 U	339 U	2060
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 UJ	416 U	1600
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 UJ	100 U	193
13B-0511-C1AS	0 - 0.5 ft	229 UJ	229 UJ	229 UJ	229 UJ	1380 J
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	1180
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	682 U	1030
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	672 U	2410
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	201 UJ	716 J
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	757 UJ	1270 J
13B-0514-G1AS	0 - 0.5 ft	189 UJ	189 UJ	189 UJ	189 UJ	1040 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	1750 UJ	1810 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	889 UJ	1610 J
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	5520 UJ	1570 J
13B-0516-C2LS	10.4 - 11.4 ft	677 U	677 U	677 U	677 U	1330

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	422 UJ	1630 J
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 UJ	169 U	74.9 J
13B-0518-G1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	952
13B-0518-G1AT	0 - 0.5 ft	169 U	169 U	169 U	169 U	996
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 UJ	506 U	939
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 UJ	1360 U	1500
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 UJ	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 UJ	170 U	1050
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	395 UJ	1320 J
13B-0521-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	338
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	2780 UJ	2440 J
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	701
13B-0521-C3CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	1250
13B-0522-G1AS	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	1450 J
13B-0522-G1AT	0 - 0.5 ft	282 UJ	282 UJ	282 UJ	282 UJ	974 J
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	318 UJ	692 J
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	380 UJ	380 UJ	380 UJ	2620 J
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	372 UJ	372 UJ	372 UJ	2620 J
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	4430 UJ	7430 J
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	408 UJ	2590 J
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	525 UJ	1700 J
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	1050 UJ	1850 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	1720 J
13B-0525-C2AS	0 - 0.5 ft	213 UJ	213 UJ	213 UJ	213 UJ	1570 J
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	3180 UJ	2770 J
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	337 U	1580
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	3130 UJ	3590 J
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	4880 UJ	2870 J
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	6000 UJ	2950 J
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	49.1 J
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	4260 UJ	4070 J
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	941 UJ	941 UJ	941 UJ	2810 J
13B-0528-C3LS	10.5 - 11.54 ft	843 U	843 U	843 U	843 U	2510
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	549 UJ	1910 J
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	110 J
13B-0529-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	224
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	166 U	88.9 J
13B-0529-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	1190
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	317 UJ	1220 J
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 UJ	240 U	638
13B-0530-C4CS	1.5 - 1.62 ft	107 U	107 U	107 UJ	107 U	525
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	362

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	169 U	266
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	171 U	277
13B-0531-C3AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	725
13B-0531-C3AT	0 - 0.5 ft	167 U	167 U	167 U	167 U	994
13B-0532-C1AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	844
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	275
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	364
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	168 U	206
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	587 UJ	1440 J
13B-0533-C1AT	0 - 0.5 ft	296 UJ	296 UJ	296 UJ	296 UJ	1300 J
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	2950 UJ	2270 J
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	946 UJ	946 UJ	946 UJ	5680 J
13B-0533-C3JS	8.5 - 9.35 ft	339 U	339 U	339 UJ	339 U	2330 J
13B-0533-C3JT	8.5 - 9.35 ft	170 U	170 U	170 UJ	170 U	1230 J
13B-0534-C2BS	0.5 - 1.5 ft	671 U	671 U	671 U	671 U	2230
13B-0534-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	510 U	2600
13B-0534-C2IS	7.5 - 8.59 ft	509 U	509 U	509 U	509 U	3230
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1010 UJ	2070 J
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	773 UJ	2110 J
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	224
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	47.4 J
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	1720

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0536-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	626
13B-0536-C1CS	1.5 - 2.5 ft	338 U	338 U	338 U	338 U	1780
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	1010 U	1010 U	1010 U	3160
13B-0536-C3AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	1930
13B-0537-C2AS	0 - 0.5 ft	167 U	167 U	167 U	167 U	613
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	556 UJ	1290 J
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	3640 UJ	3640 UJ	3640 UJ	2220 J
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	1390 UJ	1240 J
13B-0538-C3ES	3.5 - 4.8 ft	341 U	341 U	341 U	341 U	596
13B-0539-C3BS	0.5 - 1.5 ft	505 U	505 U	505 UJ	505 U	489 J
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	1350 U	2070
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	167 U	298
13B-0539-G2AS	0 - 0.5 ft	385 UJ	385 UJ	385 UJ	385 UJ	1260 J
13B-0539-G2AT	0 - 0.5 ft	360 UJ	360 UJ	360 UJ	360 UJ	1340 J
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	765 UJ	1500 J
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	512 UJ	1070 J
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	1840 UJ	1550 J
13B-0540-C4LS	10.3 - 11.25 ft	169 U	169 U	169 U	169 U	101 J
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	1090
13B-0541-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	679
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	370 UJ	1300 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0542-C2BS	0.5 - 1.5 ft	335 U	335 U	335 U	335 U	1020
13B-0542-C2CS	1.5 - 2.5 ft	510 U	510 U	510 U	510 U	2140
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	510 U	510 U	510 U	510 U	1730
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	310 UJ	1510 J
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	335
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	334 U	615
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	340 UJ	808 J
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	336 U	576
13B-0546-G2AS	0 - 0.5 ft	1060 U	1060 U	1060 UJ	1060 U	4710
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	1470 UJ	1390 J
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	949 UJ	1220 J
13B-0547-C3CS	1.5 - 2.5 ft	495 U	495 U	495 UJ	495 U	2080
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 UJ	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	510 U	510 U	510 UJ	510 U	1860
13B-0548-C2BS	0.5 - 1.5 ft	339 U	339 U	339 UJ	339 U	1460
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 UJ	336 U	1320
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 UJ	504 U	927
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 UJ	169 U	599
13B-0549-C3BS	0.5 - 1.5 ft	338 U	338 U	338 UJ	338 U	743
13B-0549-C3CS	1.5 - 2.65 ft	506 U	506 U	506 UJ	506 U	1420
13B-0550-C1AS	0 - 0.5 ft	200 UJ	200 UJ	200 UJ	200 UJ	1610 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 UJ	168 U	805
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 UJ	169 U	706
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 UJ	429 U	1780
13B-0552-C1AS	0 - 0.5 ft	536 UJ	536 UJ	536 UJ	536 UJ	2850 J
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 UJ	171 U	312 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 UJ	170 U	170 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 UJ	170 U	578
13B-0553-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	742
13B-0553-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	685
13B-0553-C2CS	1.5 - 2.5 ft	340 U	340 U	340 U	340 U	1120
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	1040
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	617 J
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	170 UJ	170 UJ	170 UJ	1030 J
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	1460 UJ	2090 J
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2600 J
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	706 UJ	1250 J
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 UJ	340 U	1080
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	340 U	973
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	389 UJ	1600 J
13B-0557-C1AS	0 - 0.5 ft	339 U	339 U	339 U	339 U	1620
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	520 UJ	1240 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	1690 UJ	1580 J
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	502 U	1310
13B-0558-C2CS	1.5 - 2.5 ft	169 U	169 U	169 UJ	169 U	883
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	353 UJ	353 UJ	353 UJ	1490 J
13B-0558-C3BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	1570
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	682 J
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 UJ	503 U	1300 J
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	1800 UJ	1230 J
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	340 U	779 J
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 UJ	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	169 U	169 U	169 UJ	169 U	1230
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 UJ	338 U	1770
13B-0560-C3CS	1.5 - 2.5 ft	848 U	848 U	848 U	848 U	3140 J
13B-0561-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	1950
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	505 U	1820
13B-0561-C2AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	2260
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	2120 J
13B-0563-C1AS	0 - 0.5 ft	216 U	216 U	216 UJ	216 U	961
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 UJ	216 U	873
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 UJ	106 U	133
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	870 UJ	2400 J

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	358 UJ	707 J
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	558 J
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	327 J
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	323 UJ	1110 J
13B-0568-G2AS	0 - 0.5 ft	848 UJ	848 UJ	848 UJ	848 UJ	947 J
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	304 UJ	1630 J
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	890
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	675 U	675 U	675 U	1540
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	997
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	395
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	1660
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	679 U	1910
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	678 U	1310
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	507 U	710
13B-0574-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	674
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 UJ	509 U	1220
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 UJ	505 U	608
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 UJ	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 UJ	170 U	170 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		0.83	--	--	--	47.4
Maximum Detect		210	--	--	--	7430
Mean of Detects		13.7	--	--	--	1360
St. Dev. of Detects		29.8	--	--	--	989
CV of Detects		2.18	--	--	--	0.725
% Detected		24.7	0.00	0.00	0.00	90.3
Sample ID	Depth Interval					
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	218 UJ	1460 J
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 UJ	92.9 U	170
13B-0578-C6AS	0 - 0.5 ft	126 U	126 U	126 UJ	126 U	536
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 UJ	109 U	329
13B-0578-C6CT	1.5 - 2.5 ft	109 U	109 U	109 UJ	109 U	266
13B-0578-C7BS	0.5 - 1.5 ft	356 U	356 U	356 UJ	356 U	1200

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0501-C1BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	170 U	329 U
13B-0501-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	52.2 J	323 U
13B-0501-C2AS	0 - 0.5 ft	170 U	141 J	170 U	170 U	170 U	330 U
13B-0501-C2DS	2.5 - 3.32 ft	679 U	277 J	679 U	679 U	679 U	1320 U
13B-0502-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0502-C2BS	0.5 - 1.5 ft	850 U	850 U	850 U	850 U	850 U	1650 U
13B-0502-C2CS	1.5 - 2.45 ft	1350 U	1350 U	1350 U	1350 U	1350 U	2630 U
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	326 U
13B-0504-C2AS	0 - 0.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	3920 UJ
13B-0504-C2BS	0.5 - 1.5 ft	679 UJ	192 J	679 UJ	679 UJ	679 UJ	1320 UJ
13B-0504-C2CS	1.5 - 2.5 ft	1740 UJ	1740 UJ	1740 UJ	1740 UJ	1740 UJ	3370 UJ
13B-0504-C4KS	9.5 - 10.25 ft	170 U	192	170 U	170 U	170 UJ	331 U
13B-0505-C1BS	0.5 - 1.5 ft	169 U	47.5 J	169 U	169 U	169 U	328 U
13B-0505-C2AS	0 - 0.5 ft	1080 UJ	537 J	1080 UJ	1080 UJ	1080 UJ	2090 UJ
13B-0505-C2CS	1.5 - 2.5 ft	849 U	849 U	849 U	849 U	849 U	1650 U
13B-0505-C2FS	4.5 - 5.33 ft	170 U	170 U	170 U	170 U	170 U	329 U
13B-0506-C3AS	0 - 0.5 ft	513 UJ	154 J	513 UJ	513 UJ	513 UJ	996 UJ
13B-0506-C3BS	0.5 - 1.44 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U	323 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	328 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0507-C3AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U	170 U	170 U	329 U
13B-0508-G3AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	326 U
13B-0509-C1CS	1.5 - 2.5 ft	507 U	167 J	507 U	507 U	507 U	985 U
13B-0509-C1ES	3.17 - 4.17 ft	502 U	718	502 U	502 U	502 U	974 U
13B-0509-C2AS	0 - 0.5 ft	1530 UJ	1530 UJ	1530 UJ	1530 UJ	1530 UJ	2970 UJ
13B-0509-C2BS	0.5 - 1.5 ft	339 U	146 J	339 U	339 U	339 U	659 U
13B-0510-C1AS	0 - 0.5 ft	416 U	416 U	416 U	416 U	98.7 J	807 U
13B-0510-C1BS	0.5 - 1.7 ft	100 U	100 U	100 U	100 U	100 U	195 U
13B-0511-C1AS	0 - 0.5 ft	229 UJ	69.3 J	229 UJ	229 UJ	229 UJ	445 UJ
13B-0511-C1BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	503 U	977 U
13B-0511-C3CS	1.5 - 2.5 ft	682 U	682 U	682 U	682 U	682 U	1320 U
13B-0511-C3HS	5.95 - 6.95 ft	672 U	672 U	672 U	672 U	672 U	1310 U
13B-0512-G1AS	0 - 0.5 ft	201 UJ	201 UJ	201 UJ	201 UJ	201 UJ	390 UJ
13B-0513-G1AS	0 - 0.5 ft	757 UJ	757 UJ	757 UJ	757 UJ	757 UJ	1470 UJ
13B-0514-G1AS	0 - 0.5 ft	189 UJ	61.2 J	189 UJ	189 UJ	139 J	367 UJ
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U	168 U	168 U	326 U
13B-0515-C2AS	0 - 0.5 ft	1750 UJ	1750 UJ	1750 UJ	1750 UJ	1750 UJ	3390 UJ
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U	170 U	170 U	330 U
13B-0516-C2BS	0.5 - 1.5 ft	889 UJ	889 UJ	889 UJ	889 UJ	889 UJ	1730 UJ
13B-0516-C2CS	1.5 - 2.5 ft	5520 UJ	5520 UJ	5520 UJ	5520 UJ	5520 UJ	10700 UJ
13B-0516-C2LS	10.4 - 11.4 ft	677 U	157 J	677 U	677 U	677 U	1310 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0516-C3AS	0 - 0.5 ft	422 UJ	422 UJ	422 UJ	422 UJ	165 J	820 UJ
13B-0517-G2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0518-G1AS	0 - 0.5 ft	168 U	43.6 J	168 U	168 U	168 U	326 U
13B-0518-G1AT	0 - 0.5 ft	169 U	56.3 J	169 U	169 U	169 U	328 U
13B-0519-C2BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	506 U	982 U
13B-0519-C2CS	1.5 - 2.5 ft	1360 U	1360 U	1360 U	1360 U	1360 U	2630 U
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U	169 U	169 U	329 U
13B-0519-C5AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	170 U	331 U
13B-0520-G1AS	0 - 0.5 ft	395 UJ	395 UJ	395 UJ	395 UJ	395 UJ	767 UJ
13B-0521-C2BS	0.5 - 1.5 ft	169 U	79.2 J	169 U	169 U	169 U	329 U
13B-0521-C2HS	6.5 - 7.63 ft	2780 UJ	2780 UJ	2780 UJ	2780 UJ	2780 UJ	5390 UJ
13B-0521-C3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	171 U	331 U
13B-0521-C3CS	1.5 - 2.5 ft	168 U	92.4 J	168 U	168 U	168 U	326 U
13B-0522-G1AS	0 - 0.5 ft	296 UJ	81.4 J	296 UJ	296 UJ	296 UJ	574 UJ
13B-0522-G1AT	0 - 0.5 ft	282 UJ	71.6 J	282 UJ	282 UJ	282 UJ	547 UJ
13B-0523-G2AS	0 - 0.5 ft	318 UJ	318 UJ	318 UJ	318 UJ	318 UJ	617 UJ
13B-0524-C1BS	0.5 - 1.5 ft	380 UJ	88.2 J	380 UJ	380 UJ	380 UJ	737 UJ
13B-0524-C1CS	1.5 - 2.5 ft	372 UJ	85.3 J	372 UJ	372 UJ	372 UJ	721 UJ
13B-0524-C1GS	5.39 - 6.39 ft	4430 UJ	4430 UJ	4430 UJ	4430 UJ	4430 UJ	8590 UJ
13B-0524-G1AS	0 - 0.5 ft	408 UJ	408 UJ	408 UJ	408 UJ	408 UJ	792 UJ
13B-0525-C1BS	0.5 - 1.5 ft	525 UJ	525 UJ	525 UJ	525 UJ	525 UJ	1020 UJ
13B-0525-C1CS	1.5 - 2.5 ft	1050 UJ	1050 UJ	1050 UJ	1050 UJ	1050 UJ	2040 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0525-C1HS	6.42 - 7.42 ft	5050 U	5050 U	5050 U	5050 U	5050 U	9800 U
13B-0525-C2AS	0 - 0.5 ft	213 UJ	79.9 J	213 UJ	213 UJ	213 UJ	413 UJ
13B-0526-C1BS	0.5 - 1.5 ft	3180 UJ	3180 UJ	3180 UJ	3180 UJ	3180 UJ	6170 UJ
13B-0526-C1HS	6.5 - 7.62 ft	337 U	337 U	337 U	337 U	624	653 U
13B-0526-C2AS	0 - 0.5 ft	3130 UJ	3130 UJ	3130 UJ	3130 UJ	2180 J	6080 UJ
13B-0526-C2CS	1.5 - 2.5 ft	4880 UJ	4880 UJ	4880 UJ	4880 UJ	4880 UJ	9470 UJ
13B-0526-C2CT	1.5 - 2.5 ft	6000 UJ	6000 UJ	6000 UJ	6000 UJ	6000 UJ	11600 UJ
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	168 U	168 U	168 U	327 U
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	327 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0528-C3BS	0.5 - 1.5 ft	4260 UJ	4260 UJ	4260 UJ	4260 UJ	4260 UJ	8270 UJ
13B-0528-C3CS	1.5 - 2.5 ft	941 UJ	385 J	941 UJ	941 UJ	941 UJ	1830 UJ
13B-0528-C3LS	10.5 - 11.54 ft	843 U	418 J	843 U	843 U	843 U	1640 U
13B-0528-C4AS	0 - 0.5 ft	549 UJ	549 UJ	549 UJ	549 UJ	549 UJ	1070 UJ
13B-0529-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0529-C2CS	1.5 - 2.5 ft	169 U	119 J	169 U	169 U	169 U	329 U
13B-0529-C2ES	3.5 - 4.2 ft	166 U	166 U	166 U	166 U	166 U	323 U
13B-0529-C3AS	0 - 0.5 ft	169 U	112 J	169 U	169 U	169 U	329 U
13B-0530-C3AS	0 - 0.5 ft	317 UJ	317 UJ	317 UJ	317 UJ	317 UJ	616 UJ
13B-0530-C3BS	0.5 - 1.5 ft	240 U	240 U	240 U	240 U	240 U	466 U
13B-0530-C4CS	1.5 - 1.62 ft	107 U	26.3 J	107 U	107 U	30.6 J	209 U
13B-0531-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	326 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0531-C1CS	1.5 - 2.3 ft	169 U	169 U	169 U	169 U	169 U	329 U
13B-0531-C2ES	3.5 - 4.42 ft	171 U	171 U	171 U	171 U	171 U	331 U
13B-0531-C3AS	0 - 0.5 ft	167 U	107 J	167 U	167 U	167 U	325 U
13B-0531-C3AT	0 - 0.5 ft	167 U	47.7 J	167 U	167 U	167 U	323 U
13B-0532-C1AS	0 - 0.5 ft	167 U	82.3 J	167 U	167 U	167 U	324 U
13B-0532-C1BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 U	326 U
13B-0532-C1CS	1.5 - 2.5 ft	166 U	166 U	166 U	166 U	40.3 J	322 U
13B-0532-C1DS	2.5 - 3.73 ft	168 U	168 U	168 U	168 U	168 U	325 U
13B-0533-C1AS	0 - 0.5 ft	587 UJ	587 UJ	587 UJ	587 UJ	587 UJ	1140 UJ
13B-0533-C1AT	0 - 0.5 ft	296 UJ	77.6 J	296 UJ	296 UJ	296 UJ	575 UJ
13B-0533-C3BS	0.5 - 1.5 ft	2950 UJ	2950 UJ	2950 UJ	2950 UJ	2950 UJ	5730 UJ
13B-0533-C3CS	1.5 - 2.5 ft	946 UJ	517 J	946 UJ	946 UJ	946 UJ	1840 UJ
13B-0533-C3JS	8.5 - 9.35 ft	339 U	315 J	339 U	339 U	157 J	658 U
13B-0533-C3JT	8.5 - 9.35 ft	170 U	182	170 U	170 U	122 J	330 U
13B-0534-C2BS	0.5 - 1.5 ft	671 U	167 J	671 U	671 U	671 U	1300 U
13B-0534-C2CS	1.5 - 2.5 ft	510 U	220 J	510 U	510 U	510 U	990 U
13B-0534-C2IS	7.5 - 8.59 ft	509 U	361 J	509 U	509 U	509 U	987 U
13B-0534-G1AS	0 - 0.5 ft	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1010 UJ	1960 UJ
13B-0534-G1AT	0 - 0.5 ft	773 UJ	773 UJ	773 UJ	773 UJ	773 UJ	1500 UJ
13B-0535-C2BS	0.5 - 1.5 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0535-C2CS	1.5 - 2.45 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0535-C3AS	0 - 0.5 ft	504 U	504 U	504 U	504 U	504 U	979 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0536-C1BS	0.5 - 1.5 ft	169 U	74.1 J	169 U	169 U	49.3 J	328 U
13B-0536-C1CS	1.5 - 2.5 ft	338 U	180 J	338 U	338 U	338 U	656 U
13B-0536-C1FS	4.28 - 5.28 ft	1010 U	636 J	1010 U	1010 U	1010 U	1950 U
13B-0536-C3AS	0 - 0.5 ft	337 U	202 J	337 U	337 U	337 U	655 U
13B-0537-C2AS	0 - 0.5 ft	167 U	40.5 J	167 U	167 U	167 U	324 U
13B-0538-C2AS	0 - 0.5 ft	556 UJ	556 UJ	556 UJ	556 UJ	556 UJ	1080 UJ
13B-0538-C3BS	0.5 - 1.5 ft	3640 UJ	1170 J	3640 UJ	3640 UJ	3640 UJ	7060 UJ
13B-0538-C3CS	1.5 - 2.5 ft	1390 UJ	1390 UJ	1390 UJ	1390 UJ	1390 UJ	2710 UJ
13B-0538-C3ES	3.5 - 4.8 ft	341 U	82.4 J	341 U	341 U	341 U	662 U
13B-0539-C3BS	0.5 - 1.5 ft	505 U	193 J	505 U	505 U	505 U	980 U
13B-0539-C3CS	1.5 - 2.5 ft	1350 U	1350 U	1350 U	1350 U	1350 U	2630 U
13B-0539-C3HS	6.5 - 7.59 ft	167 U	167 U	167 U	167 U	167 U	325 U
13B-0539-G2AS	0 - 0.5 ft	385 UJ	106 J	385 UJ	385 UJ	385 UJ	746 UJ
13B-0539-G2AT	0 - 0.5 ft	360 UJ	111 J	360 UJ	360 UJ	360 UJ	699 UJ
13B-0540-C3AS	0 - 0.5 ft	765 UJ	765 UJ	765 UJ	765 UJ	765 UJ	1490 UJ
13B-0540-C4BS	0.5 - 1.5 ft	512 UJ	512 UJ	512 UJ	512 UJ	512 UJ	994 UJ
13B-0540-C4CS	1.5 - 2.5 ft	1840 UJ	1840 UJ	1840 UJ	1840 UJ	1840 UJ	3570 UJ
13B-0540-C4LS	10.3 - 11.25 ft	169 U	474	169 U	169 U	169 U	328 U
13B-0541-C1BS	0.5 - 1.5 ft	506 U	506 U	506 U	506 U	506 U	981 U
13B-0541-C1CS	1.5 - 2.5 ft	169 U	51.9 J	169 U	169 U	169 U	327 U
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0541-C2AS	0 - 0.5 ft	370 UJ	370 UJ	370 UJ	370 UJ	165 J	719 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0542-C2BS	0.5 - 1.5 ft	335 U	93.5 J	335 U	335 U	410	651 U
13B-0542-C2CS	1.5 - 2.5 ft	510 U	147 J	510 U	510 U	934	989 U
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0542-C3AS	0 - 0.5 ft	510 U	193 J	510 U	510 U	510 U	989 U
13B-0543-G1AS	0 - 0.5 ft	310 UJ	310 UJ	310 UJ	310 UJ	310 UJ	603 UJ
13B-0544-C1AS	0 - 0.5 ft	170 U	170 U	170 U	170 U	170 U	330 U
13B-0544-C2BS	0.5 - 1.5 ft	334 U	334 U	334 U	334 U	334 U	648 U
13B-0544-C2CS	1.5 - 2.5 ft	340 UJ	340 UJ	340 UJ	340 UJ	340 UJ	660 UJ
13B-0544-C2ES	3 - 3.97 ft	336 U	336 U	336 U	336 U	336 U	653 U
13B-0546-G2AS	0 - 0.5 ft	1060 U	522 J	1060 U	1060 U	1060 U	2060 U
13B-0547-C3AS	0 - 0.5 ft	1470 UJ	1470 UJ	1470 UJ	1470 UJ	1470 UJ	2850 UJ
13B-0547-C3BS	0.5 - 1.5 ft	949 UJ	949 UJ	949 UJ	949 UJ	949 UJ	1840 UJ
13B-0547-C3CS	1.5 - 2.5 ft	495 U	249 J	495 U	495 U	495 U	961 U
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U	168 U	168 U	327 U
13B-0548-C2AS	0 - 0.5 ft	510 U	144 J	510 U	510 U	510 U	990 U
13B-0548-C2BS	0.5 - 1.5 ft	339 U	82.6 J	339 U	339 U	339 U	659 U
13B-0548-C2BT	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	336 U	652 U
13B-0548-C2CS	1.5 - 2.5 ft	504 U	504 U	504 U	504 U	504 U	979 U
13B-0549-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0549-C3BS	0.5 - 1.5 ft	338 U	92.4 J	338 U	338 U	338 U	657 U
13B-0549-C3CS	1.5 - 2.65 ft	506 U	151 J	506 U	506 U	506 U	982 U
13B-0550-C1AS	0 - 0.5 ft	200 UJ	58.7 J	200 UJ	200 UJ	200 UJ	389 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0550-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U	168 U	168 UJ	327 U
13B-0550-C3CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 UJ	328 U
13B-0551-G2AS	0 - 0.5 ft	429 U	429 U	429 U	429 U	429 U	833 U
13B-0552-C1AS	0 - 0.5 ft	536 UJ	195 J	536 UJ	536 UJ	536 UJ	1040 UJ
13B-0552-C1BS	0.5 - 1.5 ft	171 U	171 U	171 U	171 U	171 U	331 U
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	170 U	329 U
13B-0552-C1CT	1.5 - 2.2 ft	170 U	170 U	170 U	170 U	170 U	331 U
13B-0553-C1AS	0 - 0.5 ft	170 U	49.4 J	170 U	170 U	170 U	329 U
13B-0553-C2BS	0.5 - 1.5 ft	167 U	94.2 J	167 U	167 U	167 U	324 U
13B-0553-C2CS	1.5 - 2.5 ft	340 U	122 J	340 U	340 U	340 U	659 U
13B-0554-C1BS	0.5 - 1.5 ft	336 U	336 U	336 U	336 U	336 U	652 U
13B-0554-C1CS	1.5 - 2.5 ft	1700 U	1700 U	1700 U	1700 U	1700 U	3290 U
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U	171 U	171 U	332 U
13B-0554-G2AS	0 - 0.5 ft	170 UJ	41.4 J	170 UJ	170 UJ	170 UJ	330 UJ
13B-0555-C2AS	0 - 0.5 ft	1460 UJ	1460 UJ	1460 UJ	1460 UJ	1460 UJ	2830 UJ
13B-0555-C2BS	0.5 - 1.5 ft	2020 UJ	2020 UJ	2020 UJ	2020 UJ	2020 UJ	3910 UJ
13B-0555-C2DS	2 - 3 ft	706 UJ	706 UJ	706 UJ	706 UJ	706 UJ	1370 UJ
13B-0556-C1BS	0.5 - 1.5 ft	340 U	340 U	340 U	340 U	340 U	659 U
13B-0556-C2CS	1.5 - 2.38 ft	340 U	340 U	340 U	340 U	340 U	660 U
13B-0556-C3AS	0 - 0.5 ft	389 UJ	389 UJ	389 UJ	389 UJ	389 UJ	755 UJ
13B-0557-C1AS	0 - 0.5 ft	339 U	85.9 J	339 U	339 U	339 U	658 U
13B-0557-C2BS	0.5 - 1.5 ft	520 UJ	520 UJ	520 UJ	520 UJ	520 UJ	1010 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0557-C2CS	1.5 - 2.5 ft	1690 UJ	1690 UJ	1690 UJ	1690 UJ	1690 UJ	3280 UJ
13B-0557-C2ES	3.5 - 4.5 ft	502 U	502 U	502 U	502 U	502 U	975 U
13B-0558-C2CS	1.5 - 2.5 ft	169 U	90.8 J	169 U	169 U	169 U	329 U
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U	171 U	171 U	331 U
13B-0558-C3AS	0 - 0.5 ft	353 UJ	105 J	353 UJ	353 UJ	353 UJ	686 UJ
13B-0558-C3BS	0.5 - 1.5 ft	340 U	125 J	340 U	340 U	340 U	660 U
13B-0559-C2AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0559-C2BS	0.5 - 1.5 ft	503 U	503 U	503 U	503 U	503 U	976 U
13B-0559-C2CS	1.5 - 2.5 ft	1800 UJ	1800 UJ	1800 UJ	1800 UJ	1800 UJ	3490 UJ
13B-0559-C2GS	5.5 - 646 ft	340 U	340 U	340 U	340 U	340 U	659 U
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U	167 U	167 U	324 U
13B-0560-C3AS	0 - 0.5 ft	169 U	65.3 J	169 U	169 U	73.8 J	327 U
13B-0560-C3BS	0.5 - 1.5 ft	338 U	338 U	338 U	338 U	338 U	656 U
13B-0560-C3CS	1.5 - 2.5 ft	848 U	432 J	848 U	848 U	848 U	1650 U
13B-0561-C1BS	0.5 - 1.5 ft	503 U	118 J	503 U	503 U	214 J	977 U
13B-0561-C1CS	1.5 - 2.5 ft	505 U	505 U	505 U	505 U	505 U	980 U
13B-0561-C2AS	0 - 0.5 ft	504 U	126 J	504 U	504 U	256 J	978 U
13B-0562-G2AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	509 U	987 U
13B-0563-C1AS	0 - 0.5 ft	216 U	80.3 J	216 U	216 U	216 U	419 U
13B-0563-C1AT	0 - 0.5 ft	216 U	216 U	216 U	216 U	216 U	419 U
13B-0563-C1BS	0.5 - 1.5 ft	106 U	106 U	106 U	106 U	106 U	205 U
13B-0563-C2CS	1.1 - 2.5 ft	870 UJ	870 UJ	870 UJ	870 UJ	870 UJ	1690 UJ

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0564-G2AS	0 - 0.5 ft	358 UJ	358 UJ	358 UJ	358 UJ	358 UJ	695 UJ
13B-0565-G1AS	0 - 0.5 ft	169 U	169 U	169 U	169 U	169 U	327 U
13B-0566-G3AS	0 - 0.5 ft	171 U	171 U	171 U	171 U	171 U	331 U
13B-0567-G2AS	0 - 0.5 ft	323 UJ	323 UJ	323 UJ	323 UJ	323 UJ	628 UJ
13B-0568-G2AS	0 - 0.5 ft	172 J	848 UJ	848 UJ	848 UJ	848 UJ	1650 UJ
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U	170 U	170 U	330 U
13B-0571-C4AS	0 - 0.5 ft	304 UJ	304 UJ	304 UJ	304 UJ	304 UJ	590 UJ
13B-0571-C4BS	0.5 - 1.5 ft	170 U	170 U	170 U	170 U	170 U	331 U
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U	168 U	168 U	326 U
13B-0572-C1BS	0.5 - 1.5 ft	675 U	221 J	675 U	675 U	675 U	1310 U
13B-0573-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U	167 U	167 U	325 U
13B-0573-C2CS	1.5 - 2.5 ft	168 U	168 U	168 U	168 U	168 U	327 U
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U	170 U	170 U	331 U
13B-0573-C4AS	0 - 0.5 ft	337 U	337 U	337 U	337 U	337 U	655 U
13B-0574-C1BS	0.5 - 1.5 ft	679 U	679 U	679 U	679 U	679 U	1320 U
13B-0574-C1CS	1.5 - 2.5 ft	678 U	678 U	678 U	678 U	678 U	1320 U
13B-0574-C2HS	6.4 - 7.4 ft	507 U	507 U	507 U	507 U	507 U	984 U
13B-0574-C3AS	0 - 0.5 ft	169 U	46.1 J	169 U	169 U	169 U	329 U
13B-0575-C1AS	0 - 0.5 ft	509 U	509 U	509 U	509 U	509 U	989 U
13B-0575-C4BS	0.5 - 1.5 ft	505 U	505 U	505 U	505 U	505 U	979 U
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U	169 U	169 U	328 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U	170 U	170 U	329 U

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Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Isophorone	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol
Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Minimum Detect		172	26.2	--	--	30.6	--
Maximum Detect		172	1170	--	--	2180	--
Mean of Detects		172	179	--	--	336	--
St. Dev. of Detects		0.00	184	--	--	515	--
CV of Detects		0.00	1.03	--	--	1.53	--
% Detected		0.442	34.5	0.00	0.00	7.52	0.00
Sample ID	Depth Interval						
13B-0577-G1AS	0 - 0.5 ft	218 UJ	218 UJ	218 UJ	218 UJ	218 UJ	423 UJ
13B-0578-C5GS	5.25 - 6.25 ft	92.9 U	92.9 U	92.9 U	92.9 U	92.9 U	180 U
13B-0578-C6AS	0 - 0.5 ft	126 U	53.6 J	126 U	126 U	126 U	244 U
13B-0578-C6CS	1.5 - 2.5 ft	109 U	109 U	109 U	109 U	109 U	212 U
13B-0578-C6CT	1.5 - 2.5 ft	109 U	26.2 J	109 U	109 U	109 U	212 U
13B-0578-C7BS	0.5 - 1.5 ft	356 U	142 J	356 U	356 U	356 U	692 U

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0501-C1BS	0.5 - 1.5 ft	819	170 U	1940
13B-0501-C1CS	1.5 - 2.5 ft	716	166 U	1740
13B-0501-C2AS	0 - 0.5 ft	2050	170 U	3240
13B-0501-C2DS	2.5 - 3.32 ft	1790	679 U	11500
13B-0502-C2AS	0 - 0.5 ft	1120	169 U	2060
13B-0502-C2BS	0.5 - 1.5 ft	1280	850 U	3100
13B-0502-C2CS	1.5 - 2.45 ft	5060	1350 U	10200
13B-0503-C1BS	0.5 - 1.5 ft	169 U	169 U	169 U
13B-0503-C1CS	1.5 - 2.5 ft	169 U	169 U	169 U
13B-0503-C2AS	0 - 0.5 ft	168 U	168 U	90.8 J
13B-0504-C2AS	0 - 0.5 ft	2460 J	2020 UJ	6660 J
13B-0504-C2BS	0.5 - 1.5 ft	3190 J	679 UJ	6910 J
13B-0504-C2CS	1.5 - 2.5 ft	4200 J	1740 UJ	9100 J
13B-0504-C4KS	9.5 - 10.25 ft	2910	170 U	4130
13B-0505-C1BS	0.5 - 1.5 ft	987	169 U	1650
13B-0505-C2AS	0 - 0.5 ft	7970 J	1080 UJ	16300 J
13B-0505-C2CS	1.5 - 2.5 ft	1080	849 U	3380
13B-0505-C2FS	4.5 - 5.33 ft	64.6 J	170 U	703
13B-0506-C3AS	0 - 0.5 ft	2550 J	513 UJ	5650 J
13B-0506-C3BS	0.5 - 1.44 ft	611	169 U	2570
13B-0507-C2BS	0.5 - 1.5 ft	167 U	167 U	167 U
13B-0507-C2CS	1.5 - 2.5 ft	169 U	169 U	169 U

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0507-C3AS	0 - 0.5 ft	469	169 U	1510
13B-0507-C3DS	2.5 - 3.3 ft	170 U	170 U	170 U
13B-0508-G3AS	0 - 0.5 ft	84.5 J	168 U	226
13B-0509-C1CS	1.5 - 2.5 ft	4070	507 U	8200
13B-0509-C1ES	3.17 - 4.17 ft	4990	502 U	7310
13B-0509-C2AS	0 - 0.5 ft	1440 J	1530 UJ	7060 J
13B-0509-C2BS	0.5 - 1.5 ft	2290	339 U	5760
13B-0510-C1AS	0 - 0.5 ft	3280	416 U	6190
13B-0510-C1BS	0.5 - 1.7 ft	230	100 U	610
13B-0511-C1AS	0 - 0.5 ft	1160 J	229 UJ	3050 J
13B-0511-C1BS	0.5 - 1.5 ft	1050	503 U	2780
13B-0511-C3CS	1.5 - 2.5 ft	1420	682 U	3280
13B-0511-C3HS	5.95 - 6.95 ft	10800	672 U	11000
13B-0512-G1AS	0 - 0.5 ft	683 J	201 UJ	1760 J
13B-0513-G1AS	0 - 0.5 ft	1290 J	757 UJ	3740 J
13B-0514-G1AS	0 - 0.5 ft	1370 J	189 UJ	2960 J
13B-0515-C1BS	0.5 - 1.71 ft	168 U	168 U	168 U
13B-0515-C2AS	0 - 0.5 ft	3960 J	1750 UJ	8120 J
13B-0515-C2CS	1.5 - 2.19 ft	170 U	170 U	170 U
13B-0516-C2BS	0.5 - 1.5 ft	2130 J	889 UJ	4530 J
13B-0516-C2CS	1.5 - 2.5 ft	2650 J	5520 UJ	5790 J
13B-0516-C2LS	10.4 - 11.4 ft	3150	677 U	5480

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0516-C3AS	0 - 0.5 ft	1900 J	422 UJ	4190 J
13B-0517-G2AS	0 - 0.5 ft	51.4 J	169 U	115 J
13B-0518-G1AS	0 - 0.5 ft	946	168 U	2500
13B-0518-G1AT	0 - 0.5 ft	1500	169 U	2670
13B-0519-C2BS	0.5 - 1.5 ft	1320	506 U	2680
13B-0519-C2CS	1.5 - 2.5 ft	2220	1360 U	5500
13B-0519-C2RS	16.1 - 17.1 ft	169 U	169 U	169 U
13B-0519-C5AS	0 - 0.5 ft	1300	170 U	2970
13B-0520-G1AS	0 - 0.5 ft	1550 J	395 UJ	4060 J
13B-0521-C2BS	0.5 - 1.5 ft	550	169 U	1040
13B-0521-C2HS	6.5 - 7.63 ft	5290 J	2780 UJ	10100 J
13B-0521-C3AS	0 - 0.5 ft	909	171 U	1970
13B-0521-C3CS	1.5 - 2.5 ft	2160	168 U	4230
13B-0522-G1AS	0 - 0.5 ft	1380 J	296 UJ	3930 J
13B-0522-G1AT	0 - 0.5 ft	977 J	282 UJ	2610 J
13B-0523-G2AS	0 - 0.5 ft	501 J	318 UJ	1690 J
13B-0524-C1BS	0.5 - 1.5 ft	3840 J	380 UJ	6570 J
13B-0524-C1CS	1.5 - 2.5 ft	4040 J	372 UJ	7240 J
13B-0524-C1GS	5.39 - 6.39 ft	9590 J	4430 UJ	25200 J
13B-0524-G1AS	0 - 0.5 ft	3490 J	408 UJ	6710 J
13B-0525-C1BS	0.5 - 1.5 ft	1820 J	525 UJ	4140 J
13B-0525-C1CS	1.5 - 2.5 ft	2280 J	1050 UJ	4770 J

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0525-C1HS	6.42 - 7.42 ft	3360 J	5050 U	5820
13B-0525-C2AS	0 - 0.5 ft	1400 J	213 UJ	3370 J
13B-0526-C1BS	0.5 - 1.5 ft	3850 J	3180 UJ	9270 J
13B-0526-C1HS	6.5 - 7.62 ft	2450	337 U	6240
13B-0526-C2AS	0 - 0.5 ft	12800 J	3130 UJ	15500 J
13B-0526-C2CS	1.5 - 2.5 ft	7160 J	4880 UJ	11700 J
13B-0526-C2CT	1.5 - 2.5 ft	7460 J	6000 UJ	12500 J
13B-0527-C1AS	0 - 0.5 ft	168 U	168 U	108 J
13B-0527-C3BS	0.5 - 1.5 ft	168 U	168 U	168 U
13B-0527-C3CS	1.5 - 2.31 ft	169 U	169 U	169 U
13B-0528-C3BS	0.5 - 1.5 ft	5440 J	4260 UJ	12800 J
13B-0528-C3CS	1.5 - 2.5 ft	4960 J	941 UJ	10100 J
13B-0528-C3LS	10.5 - 11.54 ft	7280	843 U	12100
13B-0528-C4AS	0 - 0.5 ft	1480 J	549 UJ	4070 J
13B-0529-C2BS	0.5 - 1.5 ft	273	169 U	785
13B-0529-C2CS	1.5 - 2.5 ft	91.5 J	169 U	1850
13B-0529-C2ES	3.5 - 4.2 ft	103 J	166 U	385
13B-0529-C3AS	0 - 0.5 ft	2500	169 U	3970
13B-0530-C3AS	0 - 0.5 ft	1340 J	317 UJ	3320 J
13B-0530-C3BS	0.5 - 1.5 ft	857	240 U	2060
13B-0530-C4CS	1.5 - 1.62 ft	1280	107 U	2240
13B-0531-C1BS	0.5 - 1.5 ft	193	168 U	984

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0531-C1CS	1.5 - 2.3 ft	139 J	169 U	1740
13B-0531-C2ES	3.5 - 4.42 ft	109 J	171 U	956
13B-0531-C3AS	0 - 0.5 ft	2120	167 U	2760
13B-0531-C3AT	0 - 0.5 ft	2200	167 U	3150
13B-0532-C1AS	0 - 0.5 ft	1290	167 U	2370
13B-0532-C1BS	0.5 - 1.5 ft	317	168 U	874
13B-0532-C1CS	1.5 - 2.5 ft	698	166 U	1380
13B-0532-C1DS	2.5 - 3.73 ft	267	168 U	855
13B-0533-C1AS	0 - 0.5 ft	1340 J	587 UJ	3800 J
13B-0533-C1AT	0 - 0.5 ft	1060 J	296 UJ	3260 J
13B-0533-C3BS	0.5 - 1.5 ft	3660 J	2950 UJ	8580 J
13B-0533-C3CS	1.5 - 2.5 ft	11100 J	946 UJ	22900 J
13B-0533-C3JS	8.5 - 9.35 ft	2990 J	339 U	6290 J
13B-0533-C3JT	8.5 - 9.35 ft	1640 J	170 U	3540 J
13B-0534-C2BS	0.5 - 1.5 ft	3780	671 U	8060
13B-0534-C2CS	1.5 - 2.5 ft	3720	510 U	7830
13B-0534-C2IS	7.5 - 8.59 ft	4060	509 U	8020
13B-0534-G1AS	0 - 0.5 ft	1800 J	1010 UJ	5110 J
13B-0534-G1AT	0 - 0.5 ft	1800 J	773 UJ	5280 J
13B-0535-C2BS	0.5 - 1.5 ft	224	169 U	730
13B-0535-C2CS	1.5 - 2.45 ft	73.2 J	169 U	186
13B-0535-C3AS	0 - 0.5 ft	2320	504 U	6910

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**Phenanthrene**	**Phenol**	**Pyrene**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**51.4**	**--**	**90.8**
	Maximum Detect	**12800**	**--**	**25200**
	Mean of Detects	**2390**	**--**	**4840**
	St. Dev. of Detects	**2230**	**--**	**3870**
	CV of Detects	**0.934**	**--**	**0.800**
	% Detected	**89.4**	**0.00**	**90.7**
Sample ID	**Depth Interval**			
13B-0536-C1BS	0.5 - 1.5 ft	850	169 U	1860
13B-0536-C1CS	1.5 - 2.5 ft	2900	338 U	5060
13B-0536-C1FS	4.28 - 5.28 ft	10900	1010 U	18500
13B-0536-C3AS	0 - 0.5 ft	2690	337 U	5610
13B-0537-C2AS	0 - 0.5 ft	906	167 U	1740
13B-0538-C2AS	0 - 0.5 ft	1310 J	556 UJ	3190 J
13B-0538-C3BS	0.5 - 1.5 ft	2710 J	3640 UJ	9930 J
13B-0538-C3CS	1.5 - 2.5 ft	3340 J	1390 UJ	5440 J
13B-0538-C3ES	3.5 - 4.8 ft	2120	341 U	4280
13B-0539-C3BS	0.5 - 1.5 ft	3110	505 U	7340
13B-0539-C3CS	1.5 - 2.5 ft	3000	1350 U	6250
13B-0539-C3HS	6.5 - 7.59 ft	138 J	167 U	889
13B-0539-G2AS	0 - 0.5 ft	1430 J	385 UJ	4370 J
13B-0539-G2AT	0 - 0.5 ft	1450 J	360 UJ	4450 J
13B-0540-C3AS	0 - 0.5 ft	2300 J	765 UJ	4650 J
13B-0540-C4BS	0.5 - 1.5 ft	1310 J	512 UJ	3070 J
13B-0540-C4CS	1.5 - 2.5 ft	2500 J	1840 UJ	6200 J
13B-0540-C4LS	10.3 - 11.25 ft	158 J	169 U	554
13B-0541-C1BS	0.5 - 1.5 ft	3680	506 U	4700
13B-0541-C1CS	1.5 - 2.5 ft	970	169 U	2140
13B-0541-C1FS	4.5 - 5.67 ft	169 U	169 U	169 U
13B-0541-C2AS	0 - 0.5 ft	2120 J	370 UJ	4250 J

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0542-C2BS	0.5 - 1.5 ft	2000	335 U	5180
13B-0542-C2CS	1.5 - 2.5 ft	3230	510 U	9780
13B-0542-C2HS	6.5 - 7.55 ft	169 U	169 U	169 U
13B-0542-C3AS	0 - 0.5 ft	8670	510 U	9010
13B-0543-G1AS	0 - 0.5 ft	1920 J	310 UJ	3830 J
13B-0544-C1AS	0 - 0.5 ft	719	170 U	1020
13B-0544-C2BS	0.5 - 1.5 ft	1030	334 U	2100
13B-0544-C2CS	1.5 - 2.5 ft	1230 J	340 UJ	2520 J
13B-0544-C2ES	3 - 3.97 ft	1170	336 U	2120
13B-0546-G2AS	0 - 0.5 ft	11400	1060 U	16900
13B-0547-C3AS	0 - 0.5 ft	2010 J	1470 UJ	4870 J
13B-0547-C3BS	0.5 - 1.5 ft	1970 J	949 UJ	4860 J
13B-0547-C3CS	1.5 - 2.5 ft	3110	495 U	6170
13B-0548-C1IS	7.5 - 8.79 ft	168 U	168 U	168 U
13B-0548-C2AS	0 - 0.5 ft	4500	510 U	7200
13B-0548-C2BS	0.5 - 1.5 ft	2790	339 U	4800
13B-0548-C2BT	0.5 - 1.5 ft	2410	336 U	4100
13B-0548-C2CS	1.5 - 2.5 ft	1290	504 U	3130
13B-0549-C2AS	0 - 0.5 ft	634	169 U	1840
13B-0549-C3BS	0.5 - 1.5 ft	2930	338 U	4720
13B-0549-C3CS	1.5 - 2.65 ft	3720	506 U	8500
13B-0550-C1AS	0 - 0.5 ft	2040 J	200 UJ	4520 J

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	Analytic Method	**SW8270C**	**SW8270C**	**SW8270C**
	Analyte	**Phenanthrene**	**Phenol**	**Pyrene**
	Unit	**ug/kg**	**ug/kg**	**ug/kg**
	Minimum Detect	**51.4**	**--**	**90.8**
	Maximum Detect	**12800**	**--**	**25200**
	Mean of Detects	**2390**	**--**	**4840**
	St. Dev. of Detects	**2230**	**--**	**3870**
	CV of Detects	**0.934**	**--**	**0.800**
	% Detected	**89.4**	**0.00**	**90.7**
Sample ID	**Depth Interval**			
13B-0550-C3BS	0.5 - 1.5 ft	863	168 U	2720
13B-0550-C3CS	1.5 - 2.5 ft	641	169 U	2690
13B-0551-G2AS	0 - 0.5 ft	4270	429 U	6020
13B-0552-C1AS	0 - 0.5 ft	4730 J	536 UJ	9230 J
13B-0552-C1BS	0.5 - 1.5 ft	938 J	171 U	1570 J
13B-0552-C1CS	1.5 - 2.2 ft	170 U	170 U	95.3 J
13B-0552-C1CT	1.5 - 2.2 ft	1720	170 U	2870
13B-0553-C1AS	0 - 0.5 ft	1240	170 U	2450
13B-0553-C2BS	0.5 - 1.5 ft	1060	167 U	2200
13B-0553-C2CS	1.5 - 2.5 ft	2120	340 U	3910
13B-0554-C1BS	0.5 - 1.5 ft	948	336 U	2130
13B-0554-C1CS	1.5 - 2.5 ft	717 J	1700 U	2230
13B-0554-C1ES	3.5 - 4.7 ft	171 U	171 U	171 U
13B-0554-G2AS	0 - 0.5 ft	966 J	170 UJ	2220 J
13B-0555-C2AS	0 - 0.5 ft	2500 J	1460 UJ	7180 J
13B-0555-C2BS	0.5 - 1.5 ft	5430 J	2020 UJ	9100 J
13B-0555-C2DS	2 - 3 ft	1740 J	706 UJ	5300 J
13B-0556-C1BS	0.5 - 1.5 ft	1290	340 U	3110
13B-0556-C2CS	1.5 - 2.38 ft	1030	340 U	2610
13B-0556-C3AS	0 - 0.5 ft	1560 J	389 UJ	4160 J
13B-0557-C1AS	0 - 0.5 ft	2350	339 U	4650
13B-0557-C2BS	0.5 - 1.5 ft	1720 J	520 UJ	3860 J

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Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0557-C2CS	1.5 - 2.5 ft	3160 J	1690 UJ	5410 J
13B-0557-C2ES	3.5 - 4.5 ft	2600	502 U	5110
13B-0558-C2CS	1.5 - 2.5 ft	965	169 U	3130
13B-0558-C2FS	4.5 - 5.75 ft	171 U	171 U	171 U
13B-0558-C3AS	0 - 0.5 ft	2160 J	353 UJ	4140 J
13B-0558-C3BS	0.5 - 1.5 ft	1940	340 U	5260
13B-0559-C2AS	0 - 0.5 ft	958	169 U	2000
13B-0559-C2BS	0.5 - 1.5 ft	1780	503 U	4140
13B-0559-C2CS	1.5 - 2.5 ft	2190 J	1800 UJ	4650 J
13B-0559-C2GS	5.5 - 646 ft	1840	340 U	3280
13B-0560-C1GS	5.14 - 5.86 ft	167 U	167 U	167 U
13B-0560-C3AS	0 - 0.5 ft	1670	169 U	4330
13B-0560-C3BS	0.5 - 1.5 ft	2790	338 U	5480
13B-0560-C3CS	1.5 - 2.5 ft	7660	848 U	13500
13B-0561-C1BS	0.5 - 1.5 ft	3840	503 U	8570
13B-0561-C1CS	1.5 - 2.5 ft	3910	505 U	8970
13B-0561-C2AS	0 - 0.5 ft	4670	504 U	10300
13B-0562-G2AS	0 - 0.5 ft	3990	509 U	9570
13B-0563-C1AS	0 - 0.5 ft	2080	216 U	3170
13B-0563-C1AT	0 - 0.5 ft	1370	216 U	2990
13B-0563-C1BS	0.5 - 1.5 ft	133	106 U	352
13B-0563-C2CS	1.1 - 2.5 ft	5330 J	870 UJ	9320 J

APPENDIX I
DATA RESULTS SUMMARY
SVOC

Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0564-G2AS	0 - 0.5 ft	573 J	358 UJ	1620 J
13B-0565-G1AS	0 - 0.5 ft	668	169 U	1750
13B-0566-G3AS	0 - 0.5 ft	652	171 U	983
13B-0567-G2AS	0 - 0.5 ft	943 J	323 UJ	2790 J
13B-0568-G2AS	0 - 0.5 ft	1790 J	848 UJ	4730 J
13B-0571-C3CS	1.5 - 2.5 ft	170 U	170 U	170 U
13B-0571-C4AS	0 - 0.5 ft	1610 J	304 UJ	3900 J
13B-0571-C4BS	0.5 - 1.5 ft	821	170 U	2100
13B-0571-C4MS	11.5 - 12.5 ft	168 U	168 U	168 U
13B-0572-C1BS	0.5 - 1.5 ft	1150	675 U	10200
13B-0573-C2BS	0.5 - 1.5 ft	2470	167 U	3360
13B-0573-C2CS	1.5 - 2.5 ft	482	168 U	1320
13B-0573-C2DS	2.5 - 3.75 ft	170 U	170 U	170 U
13B-0573-C4AS	0 - 0.5 ft	1880	337 U	5230
13B-0574-C1BS	0.5 - 1.5 ft	6790	679 U	9430
13B-0574-C1CS	1.5 - 2.5 ft	2610	678 U	5110
13B-0574-C2HS	6.4 - 7.4 ft	1920	507 U	3270
13B-0574-C3AS	0 - 0.5 ft	1220	169 U	2760
13B-0575-C1AS	0 - 0.5 ft	1690	509 U	3670
13B-0575-C4BS	0.5 - 1.5 ft	1490	505 U	2470
13B-0575-C4CS	1.5 - 2.5 ft	169 U	169 U	169 U
13B-0575-C4FS	4.3 - 5.44 ft	170 U	170 U	170 U

APPENDIX I
DATA RESULTS SUMMARY
SVOC

Analytic Method		SW8270C	SW8270C	SW8270C
Analyte		Phenanthrene	Phenol	Pyrene
Unit		ug/kg	ug/kg	ug/kg
Minimum Detect		51.4	--	90.8
Maximum Detect		12800	--	25200
Mean of Detects		2390	--	4840
St. Dev. of Detects		2230	--	3870
CV of Detects		0.934	--	0.800
% Detected		89.4	0.00	90.7
Sample ID	Depth Interval			
13B-0577-G1AS	0 - 0.5 ft	1950 J	218 UJ	3640 J
13B-0578-C5GS	5.25 - 6.25 ft	249	92.9 U	819
13B-0578-C6AS	0 - 0.5 ft	1960	126 U	2350
13B-0578-C6CS	1.5 - 2.5 ft	487	109 U	965
13B-0578-C6CT	1.5 - 2.5 ft	548	109 U	1060
13B-0578-C7BS	0.5 - 1.5 ft	2860	356 U	5070

Notes:
% = percent
ft = feet
ug/kg = micrograms per kilogram
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
SVOC = Semivolatile Organic Compound
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
TOC

	Analytic Method	**Lloyd Kahn Method**
	Analyte	**Total Organic Carbon**
	Unit	**%**
	Minimum Detect	**0.028**
	Maximum Detect	**18.9**
	Mean of Detects	**4.15**
	St. Dev. of Detects	**2.92**
	CV of Detects	**0.704**
	% Detected	**99.6**
Sample ID	**Depth Interval**	
13B-0501-C1AS	0 - 0.5 ft	5.44
13B-0501-C1BS	0.5 - 1.5 ft	2.70
13B-0501-C1CS	1.5 - 2.5 ft	5.87
13B-0501-C1DS	2.5 - 3.07 ft	4.32
13B-0502-C2AS	0 - 0.5 ft	1.66
13B-0502-C2BS	0.5 - 1.5 ft	2.67
13B-0502-C2CS	1.5 - 2.45 ft	8.27
13B-0503-C1BS	0.5 - 1.5 ft	0.487
13B-0503-C1CS	1.5 - 2.5 ft	0.509
13B-0503-C2AS	0 - 0.5 ft	0.328
13B-0504-C4AS	0 - 0.5 ft	8.00 J
13B-0504-C4BS	0.5 - 1.5 ft	9.31 J
13B-0504-C4CS	1.5 - 2.5 ft	4.41 J
13B-0504-C4KS	9.5 - 10.25 ft	2.17 J
13B-0505-C1BS	0.5 - 1.5 ft	1.75 J
13B-0505-C1CS	1.5 - 2.5 ft	3.49 J
13B-0505-C1FS	4.5 - 5.2 ft	0.362 J
13B-0505-C2AS	0 - 0.5 ft	10.8 J
13B-0506-C2BS	0.5 - 1.5 ft	1.04
13B-0506-C2CS	1.5 - 2.5 ft	0.100
13B-0506-C3AS	0 - 0.5 ft	6.97
13B-0507-C2AS	0 - 0.5 ft	1.78
13B-0507-C2BS	0.5 - 1.5 ft	0.876
13B-0507-C2CS	1.5 - 2.5 ft	0.929
13B-0507-C2DS	2.5 - 3.5 ft	1.71
13B-0508-G3AS	0 - 0.5 ft	0.653
13B-0509-C1AS	0 - 0.5 ft	4.52 J
13B-0509-C1BS	0.5 - 1.5 ft	1.65 J
13B-0509-C1CS	1.5 - 2.5 ft	5.63 J
13B-0509-C1ES	3.17 - 4.17 ft	6.17 J
13B-0510-C3AS	0 - 0.5 ft	4.16 J
13B-0510-C3BS	0.5 - 1.9 ft	0.876 J
13B-0511-C1BS	0.5 - 1.5 ft	5.60
13B-0511-C3AS	0 - 0.5 ft	5.81
13B-0511-C3CS	1.5 - 2.5 ft	5.26
13B-0511-C3HS	5.95 - 6.95 ft	4.66
13B-0512-G1AS	0 - 0.5 ft	4.80
13B-0513-G1AS	0 - 0.5 ft	7.22
13B-0514-G1AS	0 - 0.5 ft	5.63
13B-0515-C1BS	0.5 - 1.71 ft	0.048 J
13B-0515-C2AS	0 - 0.5 ft	4.99
13B-0515-C2CS	1.5 - 2.19 ft	0.031 J
13B-0516-C2AS	0 - 0.5 ft	5.01
13B-0516-C2BS	0.5 - 1.5 ft	5.22
13B-0516-C2CS	1.5 - 2.5 ft	6.58
13B-0516-C2LS	10.4 - 11.4 ft	3.02
13B-0517-G2AS	0 - 0.5 ft	0.681
13B-0518-G1AS	0 - 0.5 ft	1.95
13B-0518-G1AT	0 - 0.5 ft	2.34
13B-0519-C2AS	0 - 0.5 ft	4.59
13B-0519-C2BS	0.5 - 1.5 ft	2.97
13B-0519-C2CS	1.5 - 2.5 ft	5.51

APPENDIX I
DATA RESULTS SUMMARY
TOC

	Analytic Method	**Lloyd Kahn Method**
	Analyte	**Total Organic Carbon**
	Unit	**%**
	Minimum Detect	**0.028**
	Maximum Detect	**18.9**
	Mean of Detects	**4.15**
	St. Dev. of Detects	**2.92**
	CV of Detects	**0.704**
	% Detected	**99.6**
Sample ID	**Depth Interval**	
13B-0519-C2RS	16.1 - 17.1 ft	0.048 J
13B-0520-G1AS	0 - 0.5 ft	5.19
13B-0521-C2BS	0.5 - 1.5 ft	0.928
13B-0521-C2HS	6.5 - 7.63 ft	8.70
13B-0521-C3AS	0 - 0.5 ft	1.39
13B-0521-C3CS	1.5 - 2.5 ft	2.20
13B-0522-G1AS	0 - 0.5 ft	6.39
13B-0522-G1AT	0 - 0.5 ft	6.46
13B-0523-G2AS	0 - 0.5 ft	6.26
13B-0524-C1BS	0.5 - 1.5 ft	5.77
13B-0524-C1CS	1.5 - 2.5 ft	7.23
13B-0524-C1GS	5.39 - 6.39 ft	6.44
13B-0524-G1AS	0 - 0.5 ft	4.97
13B-0525-C1AS	0 - 0.5 ft	5.65
13B-0525-C1BS	0.5 - 1.5 ft	5.22
13B-0525-C1CS	1.5 - 2.5 ft	5.66
13B-0525-C1HS	6.42 - 7.42 ft	4.43
13B-0526-C1AS	0 - 0.5 ft	8.98
13B-0526-C1BS	0.5 - 1.5 ft	8.69
13B-0526-C1CS	1.5 - 2.5 ft	8.14
13B-0526-C1CT	1.5 - 2.5 ft	8.63
13B-0526-C1HS	6.5 - 7.62 ft	1.91
13B-0527-C1AS	0 - 0.5 ft	0.273
13B-0527-C2BS	0.5 - 1.5 ft	0.856
13B-0527-C3CS	1.5 - 2.31 ft	1.61
13B-0528-C3AS	0 - 0.5 ft	6.19
13B-0528-C3BS	0.5 - 1.5 ft	8.44
13B-0528-C3CS	1.5 - 2.5 ft	9.10
13B-0528-C3LS	10.5 - 11.54 ft	4.06
13B-0529-C2AS	0 - 0.5 ft	4.37
13B-0529-C2BS	0.5 - 1.5 ft	0.797
13B-0529-C2CS	1.5 - 2.5 ft	1.67
13B-0529-C2ES	3.5 - 4.2 ft	0.154
13B-0530-C3AS	0 - 0.5 ft	6.65 J
13B-0530-C3BS	0.5 - 1.5 ft	2.01 J
13B-0530-C3CS	1.5 - 1.93 ft	1.82 J
13B-0531-C1AS	0 - 0.5 ft	6.00 J
13B-0531-C1AT	0 - 0.5 ft	5.61 J
13B-0531-C1BS	0.5 - 1.5 ft	0.629 J
13B-0531-C1CS	1.5 - 2.3 ft	1.09 J
13B-0531-C2ES	3.5 - 4.42 ft	0.345 J
13B-0532-C1AS	0 - 0.5 ft	2.06
13B-0532-C1BS	0.5 - 1.5 ft	0.700
13B-0532-C1CS	1.5 - 2.5 ft	0.733
13B-0532-C1DS	2.5 - 3.73 ft	0.181
13B-0533-C1AS	0 - 0.5 ft	6.45
13B-0533-C1AT	0 - 0.5 ft	6.58
13B-0533-C3BS	0.5 - 1.5 ft	7.69
13B-0533-C3CS	1.5 - 2.5 ft	7.66
13B-0533-C3JS	8.5 - 9.35 ft	6.08
13B-0533-C3JT	8.5 - 9.35 ft	6.05
13B-0534-C2BS	0.5 - 1.5 ft	6.15

APPENDIX I
DATA RESULTS SUMMARY
TOC

	Analytic Method	**Lloyd Kahn Method**
	Analyte	**Total Organic Carbon**
	Unit	**%**
	Minimum Detect	**0.028**
	Maximum Detect	**18.9**
	Mean of Detects	**4.15**
	St. Dev. of Detects	**2.92**
	CV of Detects	**0.704**
	% Detected	**99.6**
Sample ID	**Depth Interval**	
13B-0534-C2CS	1.5 - 2.5 ft	7.51
13B-0534-C2IS	7.5 - 8.59 ft	5.74
13B-0534-C3AS	0 - 0.5 ft	6.32
13B-0534-C3AT	0 - 0.5 ft	6.47
13B-0535-C2BS	0.5 - 1.5 ft	0.819
13B-0535-C2CS	1.5 - 2.45 ft	0.156
13B-0535-C3AS	0 - 0.5 ft	5.52
13B-0536-C1AS	0 - 0.5 ft	4.97
13B-0536-C1BS	0.5 - 1.5 ft	0.857
13B-0536-C1CS	1.5 - 2.5 ft	3.71
13B-0536-C1FS	4.28 - 5.28 ft	6.40
13B-0537-C3AS	0 - 0.5 ft	2.32 J
13B-0538-C3AS	0 - 0.5 ft	8.70 J
13B-0538-C3BS	0.5 - 1.5 ft	9.10 J
13B-0538-C3CS	1.5 - 2.5 ft	5.01 J
13B-0538-C3ES	3.5 - 4.8 ft	1.57 J
13B-0539-C2AS	0 - 0.5 ft	3.10
13B-0539-C2AT	0 - 0.5 ft	3.32
13B-0539-C3BS	0.5 - 1.5 ft	8.38
13B-0539-C3CS	1.5 - 2.5 ft	6.87
13B-0539-C3HS	6.5 - 7.59 ft	0.492
13B-0540-C4AS	0 - 0.5 ft	7.54
13B-0540-C4BS	0.5 - 1.5 ft	4.40
13B-0540-C4CS	1.5 - 2.5 ft	6.85
13B-0540-C4LS	10.3 - 11.25 ft	0.486
13B-0541-C1AS	0 - 0.5 ft	3.82
13B-0541-C1BS	0.5 - 1.5 ft	3.36
13B-0541-C1CS	1.5 - 2.5 ft	1.50
13B-0541-C1FS	4.5 - 5.67 ft	0.028 J
13B-0542-C2AS	0 - 0.5 ft	4.93
13B-0542-C2BS	0.5 - 1.5 ft	1.99
13B-0542-C2CS	1.5 - 2.5 ft	3.16
13B-0542-C2HS	6.5 - 7.55 ft	0.646
13B-0543-G1AS	0 - 0.5 ft	10.1
13B-0544-C1AS	0 - 0.5 ft	1.98
13B-0544-C2BS	0.5 - 1.5 ft	7.03
13B-0544-C2CS	1.5 - 2.5 ft	5.83
13B-0544-C2ES	3 - 3.97 ft	2.47
13B-0546-G2AS	0 - 0.5 ft	6.71 J
13B-0547-C2BS	0.5 - 1.5 ft	6.33 J
13B-0547-C2HS	6.5 - 7.15 ft	0.244 J
13B-0547-C3AS	0 - 0.5 ft	8.18 J
13B-0547-C3CS	1.5 - 2.5 ft	6.14 J
13B-0548-C1AS	0 - 0.5 ft	5.58
13B-0548-C1BS	0.5 - 1.5 ft	4.82
13B-0548-C1BT	0.5 - 1.5 ft	5.21
13B-0548-C1CS	1.5 - 2.5 ft	3.38
13B-0548-C1IS	7.5 - 8.79 ft	1.50
13B-0549-C3AS	0 - 0.5 ft	3.55
13B-0549-C3BS	0.5 - 1.5 ft	3.59
13B-0549-C3CS	1.5 - 2.65 ft	3.39
13B-0550-C3AS	0 - 0.5 ft	5.35

APPENDIX I
DATA RESULTS SUMMARY
TOC

	Analytic Method	**Lloyd Kahn Method**
	Analyte	**Total Organic Carbon**
	Unit	**%**
	Minimum Detect	**0.028**
	Maximum Detect	**18.9**
	Mean of Detects	**4.15**
	St. Dev. of Detects	**2.92**
	CV of Detects	**0.704**
	% Detected	**99.6**
Sample ID	**Depth Interval**	
13B-0550-C3BS	0.5 - 1.5 ft	1.51
13B-0550-C3CS	1.5 - 2.5 ft	1.53
13B-0550-C3FS	4.5 - 5.37 ft	1.57
13B-0551-G2AS	0 - 0.5 ft	3.65 J
13B-0552-C1AS	0 - 0.5 ft	8.72
13B-0552-C1BS	0.5 - 1.5 ft	1.29 J
13B-0552-C1CS	1.5 - 2.2 ft	0.126
13B-0552-C1CT	1.5 - 2.2 ft	0.116
13B-0553-C2AS	0 - 0.5 ft	2.53 J
13B-0553-C2BS	0.5 - 1.5 ft	2.42 J
13B-0553-C2CS	1.5 - 2.5 ft	3.63 J
13B-0553-C2DS	2.5 - 3.5 ft	6.16 J
13B-0554-C1BS	0.5 - 1.5 ft	4.39
13B-0554-C1CS	1.5 - 2.5 ft	3.11
13B-0554-C1ES	3.5 - 4.7 ft	0.844
13B-0554-C4AS	0 - 0.5 ft	3.51
13B-0555-C1AS	0 - 0.5 ft	7.81
13B-0555-C1BS	0.5 - 1.22 ft	5.04
13B-0555-C2CS	1.5 - 2 ft	9.53
13B-0555-C2DS	2 - 3 ft	5.98
13B-0556-C1BS	0.5 - 1.5 ft	3.54
13B-0556-C2CS	1.5 - 2.38 ft	3.48
13B-0556-C3AS	0 - 0.5 ft	5.72
13B-0557-C2AS	0 - 0.5 ft	6.22
13B-0557-C2BS	0.5 - 1.5 ft	6.25
13B-0557-C2CS	1.5 - 2.5 ft	6.65
13B-0557-C2ES	3.5 - 4.5 ft	5.13
13B-0558-C2AS	0 - 0.5 ft	6.68
13B-0558-C2BS	0.5 - 1.5 ft	3.08
13B-0558-C2CS	1.5 - 2.5 ft	2.68
13B-0558-C2FS	4.5 - 5.75 ft	0.066
13B-0559-C2AS	0 - 0.5 ft	1.56
13B-0559-C2BS	0.5 - 1.5 ft	4.88
13B-0559-C2CS	1.5 - 2.5 ft	6.40
13B-0559-C3GS	5.5 - 6 ft	3.76
13B-0560-C1AS	0 - 0.5 ft	4.95 J
13B-0560-C1GS	5.14 - 5.86 ft	0.136 J
13B-0560-C3BS	0.5 - 1.5 ft	6.16 J
13B-0560-C3CS	1.5 - 2.5 ft	18.9 J
13B-0561-C1AS	0 - 0.5 ft	7.36
13B-0561-C1BS	0.5 - 1.5 ft	4.21
13B-0561-C1CS	1.5 - 2.5 ft	4.86
13B-0561-C1GS	5.5 - 6.5 ft	0.042 J
13B-0562-G2AS	0 - 0.5 ft	7.12 J
13B-0563-C1AS	0 - 0.5 ft	5.43
13B-0563-C1AT	0 - 0.5 ft	3.48
13B-0563-C2BS	0.5 - 1.1 ft	1.08
13B-0563-C2CS	1.1 - 2.5 ft	8.29
13B-0563-C2IS	7.5 - 8.28 ft	6.90
13B-0564-G2AS	0 - 0.5 ft	6.88
13B-0565-G1AS	0 - 0.5 ft	1.81
13B-0566-G3AS	0 - 0.5 ft	1.54

APPENDIX I
DATA RESULTS SUMMARY
TOC

	Analytic Method	**Lloyd Kahn Method**
	Analyte	**Total Organic Carbon**
	Unit	**%**
	Minimum Detect	**0.028**
	Maximum Detect	**18.9**
	Mean of Detects	**4.15**
	St. Dev. of Detects	**2.92**
	CV of Detects	**0.704**
	% Detected	**99.6**
Sample ID	**Depth Interval**	
13B-0567-G2AS	0 - 0.5 ft	6.32
13B-0568-G2AS	0 - 0.5 ft	4.45
13B-0571-C3AS	0 - 0.5 ft	3.06
13B-0571-C3CS	1.5 - 2.5 ft	0.088
13B-0571-C3MS	11 - 12 ft	0.050 U
13B-0571-C4BS	0.5 - 1.5 ft	5.24
13B-0572-C1BS	0.5 - 1.5 ft	4.20
13B-0572-C1CS	1.5 - 2.27 ft	4.15
13B-0573-C2AS	0 - 0.5 ft	15.0
13B-0573-C2BS	0.5 - 1.5 ft	3.02
13B-0573-C2CS	1.5 - 2.5 ft	1.11
13B-0573-C2DS	2.5 - 3.75 ft	0.033 J
13B-0574-C1CS	1.5 - 2.5 ft	6.28
13B-0574-C2BS	0.5 - 1.5 ft	5.99
13B-0574-C2HS	6.4 - 7.4 ft	4.57
13B-0574-C3AS	0 - 0.5 ft	1.87
13B-0575-C4AS	0 - 0.5 ft	6.03 J
13B-0575-C4BS	0.5 - 1.5 ft	1.92 J
13B-0575-C4CS	1.5 - 2.5 ft	0.593 J
13B-0575-C4FS	4.3 - 5.44 ft	0.765 J
13B-0577-G1AS	0 - 0.5 ft	7.13
13B-0578-C5AS	0 - 0.5 ft	1.69
13B-0578-C5GS	5.25 - 6.25 ft	0.603
13B-0578-C6BS	0.5 - 1.5 ft	1.93
13B-0578-C6CS	1.5 - 2.5 ft	0.612
13B-0578-C6CT	1.5 - 2.5 ft	0.681

Notes:
% = percent
ft = feet
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
TOC = Total Organic Carbon
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

APPENDIX I
DATA RESULTS SUMMARY
TPH

	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0501-C2AS	0 - 0.5 ft	410	6.2 J	430
13B-0501-C2BS	0.5 - 1.5 ft	500	24 J	540
13B-0501-C2CS	1.5 - 2.5 ft	1200	49 J	1300
13B-0501-C2DS	2.5 - 3.32 ft	1900 J	91 J	2000 J
13B-0502-C2BS	0.5 - 1.5 ft	1200	65 J	1300
13B-0502-C2CS	1.5 - 2.45 ft	4500	400 J	5000
13B-0502-G1AS	0 - 0.5 ft	190	4.8 J	200
13B-0503-C1BS	0.5 - 1.5 ft	18 J	25 U	26
13B-0503-C1CS	1.5 - 2.5 ft	19 J	25 U	26
13B-0503-C2AS	0 - 0.5 ft	35 J	2.7 J	41 J
13B-0504-C2AS	0 - 0.5 ft	6900 J	960 J	8300 J
13B-0504-C2BS	0.5 - 1.5 ft	6200	690 J	7200
13B-0504-C2CS	1.5 - 2.5 ft	7300	920 J	8500
13B-0504-C4KS	9.5 - 10.25 ft	2000	79 J	2200
13B-0505-C1BS	0.5 - 1.5 ft	560	18 J	600
13B-0505-C2AS	0 - 0.5 ft	2300 J	26 J	2400 J
13B-0505-C2CS	1.5 - 2.5 ft	860	58 J	950
13B-0505-C2FS	4.5 - 5.33 ft	1400	62 J	1500
13B-0506-C3AS	0 - 0.5 ft	2000 J	69 J	2100 J
13B-0506-C3BS	0.5 - 1.44 ft	630	27 J	670
13B-0507-C2BS	0.5 - 1.5 ft	33	26 U	38
13B-0507-C2CS	1.5 - 2.5 ft	35	27 U	40
13B-0507-C3AS	0 - 0.5 ft	830	63 J	920
13B-0507-C3DS	2.5 - 3.3 ft	46	27 U	52
13B-0508-G3AS	0 - 0.5 ft	110 J	2.2 J	110 J
13B-0509-C1ES	3.17 - 4.17 ft	5500	210 J	5700
13B-0509-C2AS	0 - 0.5 ft	7200 J	650 J	7900 J

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0509-C2BS	0.5 - 1.5 ft	3200	160 J	3400
13B-0509-C2CS	1.5 - 2.5 ft	5600	340 J	5900
13B-0510-C1AS	0 - 0.5 ft	2200	81 J	2400
13B-0510-C1BS	0.5 - 1.7 ft	170	47 U	180
13B-0511-C1AS	0 - 0.5 ft	2300 J	530 UJ	2400 J
13B-0511-C1BS	0.5 - 1.5 ft	2900 J	890 UJ	3100 J
13B-0511-C1CS	1.5 - 2.5 ft	3200 J	820 UJ	3400 J
13B-0511-C3HS	5.95 - 6.95 ft	1700 J	590 UJ	1900 J
13B-0512-G1AS	0 - 0.5 ft	2200 J	320 UJ	2300 J
13B-0513-G1AS	0 - 0.5 ft	3800 J	300 J	4300 J
13B-0514-G1AS	0 - 0.5 ft	2100 J	58 J	2300 J
13B-0515-C1BS	0.5 - 1.71 ft	23 UJ	23 UJ	23 UJ
13B-0515-C2AS	0 - 0.5 ft	5300 J	740 J	6200 J
13B-0515-C2CS	1.5 - 2.19 ft	22 UJ	22 UJ	22 UJ
13B-0516-C2CS	1.5 - 2.5 ft	6500 J	750 J	7400 J
13B-0516-C2LS	10.4 - 11.4 ft	3700	530 J	4400
13B-0516-C3AS	0 - 0.5 ft	1800 J	250 UJ	1900 J
13B-0516-C3BS	0.5 - 1.5 ft	5300 J	400 J	5900 J
13B-0517-G2AS	0 - 0.5 ft	150 J	25 UJ	160 J
13B-0518-G1AS	0 - 0.5 ft	580 J	140 UJ	600 J
13B-0518-G1AT	0 - 0.5 ft	550 J	86 UJ	570 J
13B-0519-C2BS	0.5 - 1.5 ft	1800 J	190 UJ	1900 J
13B-0519-C2CS	1.5 - 2.5 ft	6600 J	720 J	7300 J
13B-0519-C2RS	16.1 - 17.1 ft	25 UJ	23 UJ	31 UJ
13B-0519-C5AS	0 - 0.5 ft	1400 J	110 UJ	1400 J
13B-0520-G1AS	0 - 0.5 ft	1900 J	230 UJ	1900 J
13B-0521-C2CS	1.5 - 2.5 ft	670	85 U	700

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0521-C2HS	6.5 - 7.63 ft	10000 J	1000 J	11000 J
13B-0521-C3AS	0 - 0.5 ft	390	52 U	410
13B-0521-C3BS	0.5 - 1.5 ft	270	24 U	290
13B-0522-G1AS	0 - 0.5 ft	2900 J	470 UJ	3000 J
13B-0522-G1AT	0 - 0.5 ft	2400 J	59 J	2500 J
13B-0523-G2AS	0 - 0.5 ft	3200 J	130 J	3400 J
13B-0524-C1BS	0.5 - 1.5 ft	2300 J	230 UJ	2500 J
13B-0524-C1CS	1.5 - 2.5 ft	4100 J	450 UJ	4300 J
13B-0524-G1AS	0 - 0.5 ft	1700 J	220 UJ	1700 J
13B-0525-C1BS	0.5 - 1.5 ft	2100 J	410 UJ	2200 J
13B-0525-C1CS	1.5 - 2.5 ft	2800 J	410 UJ	3000 J
13B-0525-C1HS	6.42 - 7.42 ft	3100	120 J	3400
13B-0525-C2AS	0 - 0.5 ft	1900 J	250 UJ	2000 J
13B-0526-C1BS	0.5 - 1.5 ft	10000 J	1400 J	12000 J
13B-0526-C1HS	6.5 - 7.62 ft	1300 J	140 J	1400 J
13B-0526-C2AS	0 - 0.5 ft	13000 J	2500 J	16000 J
13B-0526-C2CS	1.5 - 2.5 ft	14000 J	2200 J	17000 J
13B-0526-C2CT	1.5 - 2.5 ft	16000 J	2600 J	18000 J
13B-0527-C2CS	1.5 - 2.6 ft	49 J	27 UJ	55 UJ
13B-0527-C3AS	0 - 0.5 ft	240 J	31 UJ	250 J
13B-0527-C3BS	0.5 - 1.5 ft	29 UJ	27 UJ	36 UJ
13B-0528-C3CS	1.5 - 2.5 ft	12000 J	1000 J	14000 J
13B-0528-C3LS	10.5 - 11.54 ft	3400	81 J	3600
13B-0528-C4AS	0 - 0.5 ft	2100 J	360 UJ	2200 J
13B-0528-C4BS	0.5 - 1.5 ft	6600 J	410 J	7300 J
13B-0529-C2BS	0.5 - 1.5 ft	91 J	3.3 J	100 J
13B-0529-C2CS	1.5 - 2.5 ft	170 J	22 J	200 J

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	Analytic Method	QAM025	QAM025	QAM025
	Analyte	C18-C40 PETROLEUM HYDROCARBONS	C8-C18 PETROLEUM HYDROCARBONS	TOTAL PETROLEUM HYDROCARBONS
	Unit	mg/kg	mg/kg	mg/kg
	Minimum Detect	12	2.2	26
	Maximum Detect	16000	2600	18000
	Mean of Detects	2710	360	3120
	St. Dev. of Detects	3070	550	3580
	CV of Detects	1.13	1.53	1.15
	% Detected	95.9	52.5	92.3
Sample ID	**Depth Interval**			
13B-0529-C2ES	3.5 - 4.2 ft	28 J	22 UJ	35 J
13B-0529-C3AS	0 - 0.5 ft	310	27 J	350
13B-0530-C4AS	0 - 0.5 ft	2900 J	300 UJ	3000 J
13B-0530-C4BS	0.5 - 1.5 ft	540	16 J	570
13B-0531-C1BS	0.5 - 1.5 ft	93 J	5.2 J	100 J
13B-0531-C2CS	1.5 - 2.5 ft	270	37	320
13B-0531-C2ES	3.5 - 4.42 ft	62	23 U	68 U
13B-0531-C3AS	0 - 0.5 ft	230	46 U	240
13B-0531-C3AT	0 - 0.5 ft	260	67 U	270
13B-0532-C1BS	0.5 - 1.5 ft	350 J	49 UJ	370 J
13B-0532-C1CS	1.5 - 2.5 ft	740 J	78 UJ	780 J
13B-0532-C1DS	2.5 - 3.73 ft	83	23 U	94
13B-0532-C2AS	0 - 0.5 ft	1600 J	200 UJ	1700 J
13B-0533-C3BS	0.5 - 1.5 ft	12000 J	870 J	14000 J
13B-0533-C3CS	1.5 - 2.5 ft	11000 J	1400 J	13000 J
13B-0533-C3JS	8.5 - 9.35 ft	4300	110 J	4600
13B-0533-C3JT	8.5 - 9.35 ft	4300	120 J	4600
13B-0533-G1AS	0 - 0.5 ft	5000 J	170 J	5300 J
13B-0533-G1AT	0 - 0.5 ft	4600 J	240 J	4900 J
13B-0534-C2BS	0.5 - 1.5 ft	5100	210 J	5800
13B-0534-C2CS	1.5 - 2.5 ft	6600	630 J	7600
13B-0534-C2IS	7.5 - 8.59 ft	3400	1100 U	3600
13B-0534-G1AS	0 - 0.5 ft	2000 J	620 UJ	2100 J
13B-0534-G1AT	0 - 0.5 ft	3300 J	120 J	3500 J
13B-0535-C2BS	0.5 - 1.5 ft	380	94 U	400
13B-0535-C2CS	1.5 - 2.45 ft	33 U	22 U	37 U
13B-0535-C3AS	0 - 0.5 ft	2200	380 U	2400

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0536-C1BS	0.5 - 1.5 ft	790 J	140 UJ	830 J
13B-0536-C1CS	1.5 - 2.5 ft	2900 J	70 J	3100 J
13B-0536-C1FS	4.28 - 5.28 ft	4500 J	150 J	4900 J
13B-0536-C3AS	0 - 0.5 ft	3300 J	320 J	3700 J
13B-0537-C2AS	0 - 0.5 ft	730	180 U	760
13B-0538-C2AS	0 - 0.5 ft	2800 J	110 J	3000 J
13B-0538-C3BS	0.5 - 1.5 ft	12000 J	2200 J	14000 J
13B-0538-C3CS	1.5 - 2.5 ft	9000 J	1700 J	11000 J
13B-0538-C3ES	3.5 - 4.8 ft	800	54 J	860
13B-0539-C3BS	0.5 - 1.5 ft	5000	950 U	5700
13B-0539-C3CS	1.5 - 2.5 ft	4200	760 U	4600
13B-0539-C3HS	6.5 - 7.59 ft	61	25 U	71 U
13B-0539-G2AS	0 - 0.5 ft	3900 J	690 UJ	4300 J
13B-0539-G2AT	0 - 0.5 ft	3700 J	660 UJ	4000 J
13B-0540-C3AS	0 - 0.5 ft	4000 J	300 J	4300 J
13B-0540-C3BS	0.5 - 1.5 ft	2000 J	78 J	2000 J
13B-0540-C3CS	1.5 - 2.5 ft	9000 J	1400 J	10000 J
13B-0540-C4LS	10.3 - 11.25 ft	270	14 J	290
13B-0541-C1CS	1.5 - 2.5 ft	1500	280 U	1600
13B-0541-C1FS	4.5 - 5.67 ft	23 U	23 U	23 U
13B-0541-C2AS	0 - 0.5 ft	4800 J	900 UJ	5200 J
13B-0541-C2BS	0.5 - 1.5 ft	2500	300 U	2700
13B-0542-C2BS	0.5 - 1.5 ft	1800	280 U	1900
13B-0542-C2CS	1.5 - 2.5 ft	1700	330 U	1700
13B-0542-C2HS	6.5 - 7.55 ft	32 U	25 U	36 U
13B-0542-C3AS	0 - 0.5 ft	3600	640 U	3800
13B-0543-G1AS	0 - 0.5 ft	2600 J	430 UJ	2700 J

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0544-C1AS	0 - 0.5 ft	280	140 U	300 U
13B-0544-C1ES	3.5 - 4.33 ft	1500	280 U	1600
13B-0544-C2BS	0.5 - 1.5 ft	1200	140 U	1300
13B-0544-C2CS	1.5 - 2.5 ft	2200	390 U	2200
13B-0546-G2AS	0 - 0.5 ft	670	57 J	740
13B-0547-C3BS	0.5 - 1.5 ft	6700 J	680 J	7500 J
13B-0547-C3CS	1.5 - 2.5 ft	4700	330 J	5100
13B-0547-G1AS	0 - 0.5 ft	3200 J	150 J	3400 J
13B-0548-C1IS	7.5 - 8.79 ft	80	8.1 J	89
13B-0548-C2AS	0 - 0.5 ft	1600	97 J	1700
13B-0548-C2BS	0.5 - 1.5 ft	1000	58 J	1100
13B-0548-C2BT	0.5 - 1.5 ft	1500	58 J	1600
13B-0548-C2CS	1.5 - 2.5 ft	2100	110 J	2200
13B-0549-C2AS	0 - 0.5 ft	950	42 J	1000
13B-0549-C3BS	0.5 - 1.5 ft	2100	110 J	2300
13B-0549-C3CS	1.5 - 2.65 ft	2400	87 J	2500
13B-0550-C1AS	0 - 0.5 ft	1600 J	220 UJ	1700 J
13B-0550-C3BS	0.5 - 1.5 ft	780	24 J	840
13B-0550-C3CS	1.5 - 2.5 ft	300	3.8 J	310
13B-0551-G2AS	0 - 0.5 ft	1100	35 J	1200
13B-0552-C1AS	0 - 0.5 ft	3100 J	180 J	3300 J
13B-0552-C1BS	0.5 - 1.5 ft	220	48 U	230
13B-0552-C2CS	1.5 - 2.5 ft	68	24 U	79
13B-0552-C2CT	1.5 - 2.5 ft	720	95 U	800
13B-0553-C1AS	0 - 0.5 ft	1300	140 J	1400
13B-0553-C2BS	0.5 - 1.5 ft	1500	87 J	1600
13B-0553-C2CS	1.5 - 2.5 ft	3900	170 J	4100

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0554-C1BS	0.5 - 1.5 ft	1900	390 U	2000
13B-0554-C1CS	1.5 - 2.5 ft	2100	660 U	2200
13B-0554-C1ES	3.5 - 4.7 ft	68	27 U	74 U
13B-0554-G2AS	0 - 0.5 ft	1500 J	72 J	1600 J
13B-0555-C2AS	0 - 0.5 ft	13000 J	1100 J	14000 J
13B-0555-C2BS	0.5 - 1.5 ft	11000 J	690 J	13000 J
13B-0556-C1AS	0 - 0.5 ft	1300 J	180 UJ	1400 J
13B-0556-C1BS	0.5 - 1.5 ft	1400	190 U	1500
13B-0556-C1CS	1.5 - 2.5 ft	1400	220 U	1500
13B-0557-C1AS	0 - 0.5 ft	2300	38 J	2300
13B-0557-C2BS	0.5 - 1.5 ft	3500 J	890 UJ	3600 J
13B-0557-C2CS	1.5 - 2.5 ft	4300 J	150 J	4600 J
13B-0557-C2ES	3.5 - 4.5 ft	2700 J	210 J	3000 J
13B-0558-C2CS	1.5 - 2.5 ft	2000	34 J	2100
13B-0558-C2FS	4.5 - 5.75 ft	22 U	22 U	22 U
13B-0558-C3AS	0 - 0.5 ft	1800 J	310 UJ	1900 J
13B-0558-C3BS	0.5 - 1.5 ft	1500	310 U	1600
13B-0559-C2AS	0 - 0.5 ft	500	100 U	520
13B-0559-C2BS	0.5 - 1.5 ft	3100	560 U	3200
13B-0559-C2CS	1.5 - 2.5 ft	5600 J	350 J	6100 J
13B-0559-C2GS	5.5 - 646 ft	1200	82 J	1300
13B-0560-C3AS	0 - 0.5 ft	680	100	790
13B-0560-C3BS	0.5 - 1.5 ft	1800	76 J	1900
13B-0560-C3CS	1.5 - 2.5 ft	2600	80 J	2700
13B-0560-C3GS	4.9 - 6.5 ft	27	24 U	32
13B-0561-C1CS	1.5 - 2.5 ft	2600	160 J	2800
13B-0561-C2AS	0 - 0.5 ft	3400	240 J	3700

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	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0561-C2BS	0.5 - 1.5 ft	2700	230 J	3000
13B-0562-G2AS	0 - 0.5 ft	980	73 J	1100
13B-0563-C1BS	0.5 - 1.5 ft	110	5.8 J	120
13B-0563-C1CS	1.5 - 2.5 ft	9900	970 J	11000
13B-0563-G1AS	0 - 0.5 ft	580	26 J	620
13B-0563-G1AT	0 - 0.5 ft	340	20 J	370
13B-0564-G2AS	0 - 0.5 ft	3200 J	130 J	3400 J
13B-0565-G1AS	0 - 0.5 ft	680	140 U	700
13B-0566-G3AS	0 - 0.5 ft	620	130 U	630
13B-0567-G2AS	0 - 0.5 ft	3100 J	530 UJ	3100 J
13B-0568-G2AS	0 - 0.5 ft	5800 J	820 J	6700 J
13B-0571-C3BS	0.5 - 1.5 ft	240	76 U	250
13B-0571-C4AS	0 - 0.5 ft	1100 J	300 UJ	1100 J
13B-0571-C4CS	1.5 - 2.5 ft	390	83 U	400
13B-0571-C4MS	11.5 - 12.5 ft	22 U	22 U	22 U
13B-0573-C2BS	0.5 - 1.5 ft	520 J	120 UJ	540 J
13B-0573-C2CS	1.5 - 2.5 ft	710 J	37 J	790 J
13B-0573-C2DS	2.5 - 3.75 ft	12 J	22 UJ	22 UJ
13B-0573-C4AS	0 - 0.5 ft	390 J	76 UJ	410 J
13B-0574-C1AS	0 - 0.5 ft	1100	88 J	1200
13B-0574-C1BS	0.5 - 1.5 ft	1700	180 J	1900
13B-0574-C1CS	1.5 - 2.5 ft	4400	570 J	5200
13B-0575-C1AS	0 - 0.5 ft	2100	340 U	2200
13B-0575-C1BS	0.5 - 1.5 ft	14000 J	2200 J	16000 J
13B-0575-C4CS	1.5 - 2.5 ft	49	26 U	54 U
13B-0575-C4FS	4.3 - 5.44 ft	50	27 U	57 U
13B-0577-G1AS	0 - 0.5 ft	1600 J	450 UJ	1600 J

APPENDIX I
DATA RESULTS SUMMARY
TPH

	Analytic Method	**QAM025**	**QAM025**	**QAM025**
	Analyte	**C18-C40 PETROLEUM HYDROCARBONS**	**C8-C18 PETROLEUM HYDROCARBONS**	**TOTAL PETROLEUM HYDROCARBONS**
	Unit	**mg/kg**	**mg/kg**	**mg/kg**
	Minimum Detect	**12**	**2.2**	**26**
	Maximum Detect	**16000**	**2600**	**18000**
	Mean of Detects	**2710**	**360**	**3120**
	St. Dev. of Detects	**3070**	**550**	**3580**
	CV of Detects	**1.13**	**1.53**	**1.15**
	% Detected	**95.9**	**52.5**	**92.3**
Sample ID	**Depth Interval**			
13B-0578-C5GS	5.25 - 6.25 ft	230	45 U	240
13B-0578-C6AS	0 - 0.5 ft	920	90 U	990
13B-0578-C6CS	1.5 - 2.5 ft	530	76 U	560
13B-0578-C6CT	1.5 - 2.5 ft	540	76 U	570
13B-0578-C7BS	0.5 - 1.5 ft	2000	280 U	2300

Notes:
% = percent
ft = feet
mg/kg = milligrams per kilograms
CV = Coefficient of Variation
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
St. Dev. = Standard Deviation
TPH = Total Petroleum Hydrocarbons
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0501-C1AS	0 - 0.5 ft	65.5	2.79	337000	43000	34800	8140	62.8
13B-0501-C1BS	0.5 - 1.5 ft	47.5	2.11	219000	13300	11200	2100	45.4
13B-0501-C1CS	1.5 - 2.5 ft	213	7.94	763000	9570	8400	1170	205
13B-0501-C1DS	2.5 - 3.07 ft	16.4	0.133	108000				16.3
13B-0501-C2DS	2.5 - 3.32 ft				48200	42300	5960	
13B-0502-C2AS	0 - 0.5 ft	117	0.305	202000	24300	19800	4540	116
13B-0502-C2BS	0.5 - 1.5 ft	379	14.2	1480000	32800	26800	6000	365
13B-0502-C2CS	1.5 - 2.45 ft	1980	64.8	7090000	55400	43700	11800	1910
13B-0503-C1AS	0 - 0.5 ft	18.8	0.0877	46500	3350	2900	445	18.7
13B-0503-C1BS	0.5 - 1.5 ft	0.162	1.36 U	19.7	58.3	17.7	40.6	0.162
13B-0503-C1CS	1.5 - 2.5 ft	0.148	1.46 U	41.9	24.0	8.18	15.9	0.148
13B-0503-C1DS	2.5 - 2.5 ft	0.218	1.40 U	31.7 U				0.218
13B-0504-C2AS	0 - 0.5 ft				43000	35400	7540	
13B-0504-C4AS	0 - 0.5 ft	28700	41.0	3720000				28700
13B-0504-C4BS	0.5 - 1.5 ft	23000	60.1	3110000	84400	67000	17400	23000
13B-0504-C4CS	1.5 - 2.5 ft	3870	20.7	1130000	40900	31600	9300	3850
13B-0504-C4KS	9.5 - 10.25 ft	6.91	0.0299	16800	36000	26300	9630	6.88
13B-0505-C1AS	0 - 0.5 ft	400	12.7	968000	40300	35600	4720	387
13B-0505-C1BS	0.5 - 1.5 ft	102	0.626	348000	104000	71900	32300	101
13B-0505-C1CS	1.5 - 2.5 ft	1190	29.5	3410000	29500	25800	3710	1160
13B-0505-C1FS	4.5 - 5.2 ft	0.744	0.00224	1940	5870	5250	619	0.742
13B-0506-C2AS	0 - 0.5 ft	373	10.2	599000				363
13B-0506-C2BS	0.5 - 1.5 ft	8.47	0.0751	70600	6890	5980	914	8.39
13B-0506-C2CS	1.5 - 2.5 ft	0.0407	0.00612	5350	631	554	76.8	0.0346
13B-0506-C3AS	0 - 0.5 ft				45500	38600	6910	
13B-0507-C2AS	0 - 0.5 ft	5.27	0.0185	9420	1800	1480	324	5.25
13B-0507-C2BS	0.5 - 1.5 ft	0.609	0.000749	563	26.0	14.6	11.4	0.609
13B-0507-C2CS	1.5 - 2.5 ft	0.182	0.279 U	17.9	10.5	2.25	8.21	0.182
13B-0507-C2DS	2.5 - 3.5 ft	0.419	0.371 U	116	19.0	13.4	5.66	0.419
13B-0508-G3AS	0 - 0.5 ft	18.5	0.0266	14100	3010	2520	495	18.5
13B-0509-C1AS	0 - 0.5 ft	16400	66.3	6750000				16300
13B-0509-C1BS	0.5 - 1.5 ft	853	0.447	297000	18100	15200	2860	853
13B-0509-C1CS	1.5 - 2.5 ft	11.6	0.00919	5110	50600	42200	8380	11.5
13B-0509-C1ES	3.17 - 4.17 ft	50.2	0.00474	4370	56900	39400	17500	50.2
13B-0509-C2AS	0 - 0.5 ft				30000	26400	3510	
13B-0510-C1AS	0 - 0.5 ft				26600	21900	4750	
13B-0510-C3AS	0 - 0.5 ft	2840	11.8	1590000				2830
13B-0510-C3BS	0.5 - 1.9 ft	59.9	0.781	94800	1880	1640	235	59.1
13B-0511-C1AS	0 - 0.5 ft				28000	24600	3400	
13B-0511-C3AS	0 - 0.5 ft	594	17.1	1100000				577
13B-0511-C3BS	0.5 - 1.5 ft	384	16.5	1040000	28200	25000	3240	368
13B-0511-C3CS	1.5 - 2.5 ft	1790	47.0	4080000	22600	19000	3650	1740
13B-0511-C3HS	5.95 - 6.95 ft	1660	17.9	2130000	35900	28900	7010	1640
13B-0512-G1AS	0 - 0.5 ft	320	11.5	774000	20900	18300	2580	309
13B-0513-G1AS	0 - 0.5 ft	3850	68.4	6030000	30200	26300	3920	3780
13B-0514-G1AS	0 - 0.5 ft	475	11.8	976000	28900	24300	4590	463

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0515-C1AS	0 - 0.5 ft	88.9	3.36	232000	7100	6220	883	85.6
13B-0515-C1BS	0.5 - 1.71 ft	0.923	0.00258	1560	49.2	43.9	5.33	0.920
13B-0515-C2CS	1.5 - 2.19 ft	0.464	0.00166	1110	19.9	16.9	2.97	0.462
13B-0516-C2AS	0 - 0.5 ft	336	12.9	866000				323
13B-0516-C2BS	0.5 - 1.5 ft	849	26.5	1960000	35200	30300	4920	822
13B-0516-C2CS	1.5 - 2.5 ft	1200	45.3	5140000	33000	27800	5250	1150
13B-0516-C2LS	10.4 - 11.4 ft	1670	28.0	4110000	34100	27100	6950	1640
13B-0516-C3AS	0 - 0.5 ft				30800	26500	4270	
13B-0517-G2AS	0 - 0.5 ft	26.5	0.0599	33900	1250	1130	123	26.5
13B-0518-G1AS	0 - 0.5 ft	75.2	2.91	182000	36500	31100	5470	72.3
13B-0518-G1AT	0 - 0.5 ft	85.5	3.58	234000	20200	16700	3480	81.9
13B-0519-C2AS	0 - 0.5 ft	289	13.5	734000				275
13B-0519-C2BS	0.5 - 1.5 ft	216	10.3	721000	30000	25100	4900	206
13B-0519-C2CS	1.5 - 2.5 ft	4690	116	9210000	40400	33600	6830	4580
13B-0519-C2RS	16.1 - 17.1 ft	0.838	0.0111	3080	6.19	6.19	19.7 U	0.826
13B-0519-C5AS	0 - 0.5 ft				30500	26100	4480	
13B-0520-G1AS	0 - 0.5 ft	348	12.2	769000	17500	15500	2020	336
13B-0521-C2AS	0 - 0.5 ft	26.1	3.69	216000	15000	12300	2760	22.4
13B-0521-C2BS	0.5 - 1.5 ft	11.6	0.104	56600	7580	6340	1240	11.5
13B-0521-C2CS	1.5 - 2.5 ft	44.4	0.273	138000	16200	14100	2090	44.1
13B-0521-C2HS	6.5 - 7.63 ft	25400	190	21800000	99200	83900	15300	25200
13B-0522-G1AS	0 - 0.5 ft	513	17.6	1110000	20800	18200	2520	495
13B-0522-G1AT	0 - 0.5 ft	475	15.1	1050000	17600	15400	2230	460
13B-0523-G2AS	0 - 0.5 ft	521	19.0	1120000	26100	23200	2900	502
13B-0524-C1AS	0 - 0.5 ft	297	13.7	910000	158000	118000	39500	283
13B-0524-C1BS	0.5 - 1.5 ft	349	19.8	1240000	70100	54300	15800	329
13B-0524-C1CS	1.5 - 2.5 ft	494	24.9	1880000	56400	47500	8950	469
13B-0524-C1GS	5.39 - 6.39 ft	857	55.1	5210000	238000	193000	44400	802
13B-0525-C1AS	0 - 0.5 ft	440	20.5	1100000				420
13B-0525-C1BS	0.5 - 1.5 ft	510	20.2	1390000	38000	33000	4920	490
13B-0525-C1CS	1.5 - 2.5 ft	731	29.3	1960000	35800	31000	4890	702
13B-0525-C1HS	6.42 - 7.42 ft	879	46.0	3950000	32600	26900	5720	833
13B-0525-C2AS	0 - 0.5 ft				29600	26200	3450	
13B-0526-C1AS	0 - 0.5 ft	7870	91.2	8800000				7770
13B-0526-C1BS	0.5 - 1.5 ft	33500	162	20800000	50600	42400	8190	33300
13B-0526-C1CS	1.5 - 2.5 ft	16300	159	21900000				16100
13B-0526-C1CT	1.5 - 2.5 ft	18300	203	22500000				18100
13B-0526-C1HS	6.5 - 7.62 ft	1220	7.79	1300000	15800	13100	2690	1210
13B-0526-C2AS	0 - 0.5 ft				106000	80600	25900	
13B-0526-C2CS	1.5 - 2.5 ft				65900	51100	14800	
13B-0526-C2CT	1.5 - 2.5 ft				70100	55600	14400	
13B-0527-C2AS	0 - 0.5 ft	35.4	1.43	70400	1510	1350	154	33.9
13B-0527-C2BS	0.5 - 1.5 ft	0.552	0.00266	2100				0.550
13B-0527-C2CS	1.5 - 2.6 ft	0.0293	0.000396	224	21.9	17.1	4.78	0.0289
13B-0527-C3BS	0.5 - 1.5 ft				31.3	27.9	3.43	
13B-0528-C3AS	0 - 0.5 ft	2700	26.6	2160000				2670

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0528-C3BS	0.5 - 1.5 ft	33100	224	22900000	60400	50000	10400	32900
13B-0528-C3CS	1.5 - 2.5 ft	18300	53.8	4110000	54400	43400	11000	18200
13B-0528-C3LS	10.5 - 11.54 ft	16.2	0.0321	192000	78800	59600	19200	16.1
13B-0528-C4AS	0 - 0.5 ft				30800	27300	3510	
13B-0529-C2AS	0 - 0.5 ft	34.1	2.21	240000	104000	76700	27800	31.8
13B-0529-C2BS	0.5 - 1.5 ft	12.1	0.0472	25300	11000	8490	2490	12.0
13B-0529-C2CS	1.5 - 2.5 ft	2.11	0.0115	11900	10000	8880	1160	2.10
13B-0529-C2ES	3.5 - 4.2 ft	0.458	0.000290	1480	2350	2020	329	0.458
13B-0530-C1AS	0 - 0.5 ft	47.2	0.292	168000	9070	7740	1330	46.9
13B-0530-C1BS	0.5 - 1.5 ft	482	19.5	2120000	14200	11700	2570	463
13B-0530-C1CS	1.5 - 1.8 ft	99.4	42.9	484000				56.5
13B-0530-C3CS	1.5 - 1.93 ft				12600	10100	2540	
13B-0531-C1AS	0 - 0.5 ft				75600	54300	21300	
13B-0531-C1AT	0 - 0.5 ft				22500	19200	3280	
13B-0531-C2AS	0 - 0.5 ft	27.6	0.137	100000				27.4
13B-0531-C2AT	0 - 0.5 ft	29.2	2.03	96600				27.1
13B-0531-C2BS	0.5 - 1.5 ft	14.0	0.322	194000	10200	9230	961	13.6
13B-0531-C2CS	1.5 - 2.5 ft	0.679	0.00550	6600	16400	14400	2040	0.674
13B-0531-C2ES	3.5 - 4.42 ft	0.00573	0.584 U	230	35400	28400	6940	0.00573
13B-0532-C1AS	0 - 0.5 ft	34.3	1.65	144000	16500	14200	2360	32.7
13B-0532-C1BS	0.5 - 1.5 ft	10.1	0.0603	38800	11500	10000	1520	10.0
13B-0532-C1CS	1.5 - 2.5 ft	1.25	0.00867	10200	9950	7800	2150	1.24
13B-0532-C1DS	2.5 - 3.73 ft	0.0451	0.000309	126	2380	1860	521	0.0448
13B-0533-C2AS	0 - 0.5 ft	2170	23.1	1830000				2150
13B-0533-C2AT	0 - 0.5 ft	1590	18.7	1520000				1570
13B-0533-C2BS	0.5 - 1.5 ft	31200	168	20300000	65600	54800	10900	31000
13B-0533-C2CS	1.5 - 2.5 ft	19300	33.1	3970000	68700	54700	14000	19200
13B-0533-C2JS	8.5 - 9.62 ft	98.7	0.576	988000				98.2
13B-0533-C2JT	8.5 - 9.62 ft	76.7	2.80	974000				73.9
13B-0533-C3AS	0 - 0.5 ft				31800	28000	3760	
13B-0533-C3AT	0 - 0.5 ft				34100	30500	3570	
13B-0533-C3JS	8.5 - 9.35 ft				61600	48900	12700	
13B-0533-C3JT	8.5 - 9.35 ft				63900	51500	12400	
13B-0534-C2AS	0 - 0.5 ft	17600	111	11200000				17500
13B-0534-C2AT	0 - 0.5 ft	7000	106	10500000				6890
13B-0534-C2BS	0.5 - 1.5 ft	8100	45.1	4270000	50100	42200	7940	8050
13B-0534-C2CS	1.5 - 2.5 ft	209	12.9	1030000	25500	21600	3920	196
13B-0534-C2IS	7.5 - 8.59 ft	36.5	0.176	831000	60400	52200	8250	36.3
13B-0534-C3AS	0 - 0.5 ft							
13B-0534-C3AT	0 - 0.5 ft							
13B-0534-G1AS	0 - 0.5 ft				21400	18800	2610	
13B-0534-G1AT	0 - 0.5 ft				20500	17600	2860	
13B-0535-C2AS	0 - 0.5 ft	963	21.8	1250000	41100	35100	6020	941
13B-0535-C2BS	0.5 - 1.5 ft	9.86	0.0461	42100	6050	4780	1270	9.82
13B-0535-C2CS	1.5 - 2.45 ft	0.411	0.00266	1910	1210	912	297	0.408
13B-0536-C1AS	0 - 0.5 ft	440	10.3	733000				430

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0536-C1BS	0.5 - 1.5 ft	2.89	0.0311	24400	13600	11400	2260	2.86
13B-0536-C1CS	1.5 - 2.5 ft	6.26	0.00908	8480	41200	33600	7650	6.25
13B-0536-C1FS	4.28 - 5.28 ft	29.2	0.00211	6100	146000	113000	32900	29.2
13B-0536-C3AS	0 - 0.5 ft				46800	38400	8430	
13B-0537-C3AS	0 - 0.5 ft	90.5	3.35	274000	21200	17200	4020	87.1
13B-0538-C2AS	0 - 0.5 ft				34500	30400	4070	
13B-0538-C3AS	0 - 0.5 ft	15200	253	23800000				15000
13B-0538-C3BS	0.5 - 1.5 ft	14500	226	22500000	54700	45600	9130	14300
13B-0538-C3CS	1.5 - 2.5 ft	11000	183	17200000	42900	33000	9930	10800
13B-0538-C3ES	3.5 - 4.8 ft	7.26	0.00499	3260	25900	20000	5890	7.26
13B-0539-C2AS	0 - 0.5 ft							
13B-0539-C2AT	0 - 0.5 ft							
13B-0539-C3AS	0 - 0.5 ft	3620	28.6	2760000				3590
13B-0539-C3AT	0 - 0.5 ft	2710	37.6	3790000				2670
13B-0539-C3BS	0.5 - 1.5 ft	638	21.7	1620000	42300	33800	8450	616
13B-0539-C3CS	1.5 - 2.5 ft	94.5	7.91	2120000	38500	31700	6830	86.6
13B-0539-C3HS	6.5 - 7.59 ft	0.485	0.000489	598	6550	6080	470	0.485
13B-0539-G2AS	0 - 0.5 ft				26400	22400	3980	
13B-0539-G2AT	0 - 0.5 ft				30200	25500	4680	
13B-0540-C3AS	0 - 0.5 ft				51300	44200	7070	
13B-0540-C4AS	0 - 0.5 ft	454	15.7	1010000				439
13B-0540-C4BS	0.5 - 1.5 ft	1210	34.3	2480000	33300	28900	4330	1180
13B-0540-C4CS	1.5 - 2.5 ft	10100	178	17900000	45100	37900	7220	9910
13B-0540-C4LS	10.3 - 11.25 ft	1.18	0.00135	619	5680	3580	2100	1.18
13B-0541-C1AS	0 - 0.5 ft	3180	28.9	2620000				3150
13B-0541-C1BS	0.5 - 1.5 ft	745	24.7	3470000	30600	22100	8500	720
13B-0541-C1CS	1.5 - 2.5 ft	2450	7.86	633000	9940	8010	1920	2440
13B-0541-C1FS	4.5 - 5.67 ft	0.00917	0.000534	365	7.80	6.87	0.934	0.00864
13B-0541-C2AS	0 - 0.5 ft				38200	31800	6330	
13B-0542-C2AS	0 - 0.5 ft	28.1	0.0568	182000	155000	100000	54700	28.0
13B-0542-C2BS	0.5 - 1.5 ft	4.85	0.000573	1620	32300	25000	7330	4.84
13B-0542-C2CS	1.5 - 2.5 ft	7.22	0.825 U	1940	66800	56400	10400	7.22
13B-0542-C2HS	6.5 - 7.55 ft	0.00249	0.749 U	15.5	2.82	2.50	0.326	0.00249
13B-0543-G1AS	0 - 0.5 ft	286	11.4	710000	43600	36800	6830	274
13B-0544-C2AS	0 - 0.5 ft	228	10.9	644000	38500	32600	5870	217
13B-0544-C2BS	0.5 - 1.5 ft	415	16.3	951000	15800	13000	2810	399
13B-0544-C2CS	1.5 - 2.5 ft	472	24.1	1460000	21200	18000	3180	448
13B-0544-C2ES	3 - 3.97 ft	305	6.06	647000	15200	11800	3390	299
13B-0546-G2AS	0 - 0.5 ft	3.74	0.117	141000	18800	15900	2920	3.63
13B-0547-C2AS	0 - 0.5 ft	51500	136	16100000	31100	24100	6950	51400
13B-0547-C2BS	0.5 - 1.5 ft	4050	52.8	5220000	22700	17600	5100	4000
13B-0547-C2CS	1.5 - 2.05 ft	56.8	0.154	484000	158000	109000	49600	56.7
13B-0547-C2HS	6.5 - 7.15 ft	0.0380	0.000369	615				0.0377
13B-0547-C5AAS	0 - 0.25 ft	1100						1100
13B-0547-C5ABS	0.25 - 0.5 ft	1230						1230
13B-0547-C5ACS	0.5 - 0.75 ft	19300						19300

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0547-C5ADS	0.75 - 1 ft	41600						41600
13B-0547-C5AES	1 - 1.25 ft	22600						22600
13B-0547-C5AFS	1.25 - 1.5 ft	10600						10600
13B-0547-C5AGS	1.5 - 1.75 ft	23600						23600
13B-0547-C5AHS	1.75 - 2 ft	6050						6050
13B-0547-C5AIS	2 - 2.25 ft	1320						1320
13B-0547-C5AJS	2.25 - 2.5 ft	41.1						41.1
13B-0547-C5AKS	2.5 - 2.75 ft	30.9						30.9
13B-0547-C5ALS	2.75 - 3 ft	13.3						13.3
13B-0548-C1AS	0 - 0.5 ft	130	9.35	510000				121
13B-0548-C1BS	0.5 - 1.5 ft	117	10.7	542000				106
13B-0548-C1BT	0.5 - 1.5 ft	128	10.8	490000				117
13B-0548-C1CS	1.5 - 2.5 ft	295	20.3	1040000				274
13B-0548-C1IS	7.5 - 8.79 ft	0.0828	0.841 U	24.3 U	25.9	18.4	7.51	0.0828
13B-0548-C2AS	0 - 0.5 ft				56000	43200	12800	
13B-0548-C2BS	0.5 - 1.5 ft				26800	22600	4240	
13B-0548-C2BT	0.5 - 1.5 ft				52400	43000	9330	
13B-0548-C2CS	1.5 - 2.5 ft				16200	13400	2810	
13B-0549-C2AS	0 - 0.5 ft				8740	7550	1190	
13B-0549-C3AS	0 - 0.5 ft	174	10.3	495000				164
13B-0549-C3BS	0.5 - 1.5 ft	6.93	0.000546	1400	30600	21500	9070	6.93
13B-0549-C3CS	1.5 - 2.65 ft	9.83	1.09 U	4440	19600	15300	4370	9.83
13B-0550-C1AS	0 - 0.5 ft				44800	39000	5720	
13B-0550-C3AS	0 - 0.5 ft	143	11.0	550000				132
13B-0550-C3BS	0.5 - 1.5 ft	88.7	2.09	165000	18000	15600	2340	86.6
13B-0550-C3CS	1.5 - 2.5 ft	3.07	0.000562	274	19700	17400	2280	3.07
13B-0550-C3FS	4.5 - 5.37 ft	0.119	0.000269	65.4				0.119
13B-0551-C2AS	0 - 0.5 ft	243	7.77	692000				235
13B-0551-C2BS	0.5 - 0.88 ft	356	4.54	599000				351
13B-0551-G2AS	0 - 0.5 ft				23600	20300	3300	
13B-0552-C1BS	0.5 - 1.5 ft				2560	2100	462	
13B-0552-C1CS	1.5 - 2.2 ft				958	836	122	
13B-0552-C1CT	1.5 - 2.2 ft				1310	1220	87.2	
13B-0552-C3AS	0 - 0.5 ft	1470	20.9	1140000	24500	20500	3970	1450
13B-0552-C3BS	0.5 - 1.5 ft	917	32.1	2450000				884
13B-0552-C3CS	1.5 - 2.38 ft	6340	131	11500000				6210
13B-0552-C3CT	1.5 - 2.38 ft	7040	93.8	10100000				6940
13B-0553-C1AS	0 - 0.5 ft				19000	15800	3260	
13B-0553-C2AS	0 - 0.5 ft	76.4	5.02	401000				71.4
13B-0553-C2BS	0.5 - 1.5 ft	9.46	0.0167	148000	24700	20500	4260	9.44
13B-0553-C2CS	1.5 - 2.5 ft	7.37	0.00185	3170	30900	24900	5940	7.37
13B-0553-C2DS	2.5 - 3.5 ft	11.8	0.00153	5080				11.8
13B-0554-C1AS	0 - 0.5 ft	103	4.28	314000				98.6
13B-0554-C1BS	0.5 - 1.5 ft	319	18.3	955000	24200	21300	2890	301
13B-0554-C1CS	1.5 - 2.5 ft	280	21.0	1360000	15200	13400	1780	259
13B-0554-C1ES	3.5 - 4.7 ft	0.921	1.01 U	514	932	812	120	0.921

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0554-C4AS	0 - 0.5 ft							
13B-0554-G2AS	0 - 0.5 ft				21800	19100	2770	
13B-0555-C1AS	0 - 0.5 ft	18300	265	23000000	42100	34200	7850	18000
13B-0555-C1BS	0.5 - 1.22 ft	7410	44.6	6870000				7360
13B-0555-C2BS	0.5 - 1.5 ft				43200	35000	8160	
13B-0555-C2CS	1.5 - 2 ft	20400	215	31900000	36400	29200	7290	20200
13B-0555-C2DS	2 - 3 ft	11100	81.6	10600000	31500	26600	4900	11000
13B-0556-C2AS	0 - 0.5 ft	208	11.6	757000	16200	14100	2120	196
13B-0556-C2BS	0.5 - 1.5 ft	218	29.4	963000	25500	22500	3000	188
13B-0556-C2CS	1.5 - 2.38 ft	238	7.99	544000	10600	9160	1420	230
13B-0557-C1AS	0 - 0.5 ft				39700	33400	6300	
13B-0557-C2AS	0 - 0.5 ft	104	17.6	998000				86.8
13B-0557-C2BS	0.5 - 1.5 ft	119	18.8	938000	38000	32300	5640	99.8
13B-0557-C2CS	1.5 - 2.5 ft	394	45.1	2510000	47300	38700	8610	349
13B-0557-C2ES	3.5 - 4.5 ft	784	50.4	3460000	38800	30900	7900	734
13B-0558-C2AS	0 - 0.5 ft	133	8.02	606000				125
13B-0558-C2BS	0.5 - 1.5 ft	38.3	2.93	621000	23700	18800	4870	35.4
13B-0558-C2CS	1.5 - 2.5 ft	11.1	0.0220	55300	14500	12200	2310	11.1
13B-0558-C2FS	4.5 - 5.75 ft	0.00255	0.000306	128	112	96.1	15.7	0.00224
13B-0558-C3AS	0 - 0.5 ft				30600	25900	4690	
13B-0559-C2GS	5.5 - 6.46 ft				18300	14500	3780	
13B-0559-C3AS	0 - 0.5 ft	111	6.98	336000	20800	17600	3220	104
13B-0559-C3BS	0.5 - 1.5 ft	160	15.5	857000	27400	23700	3650	144
13B-0559-C3CS	1.5 - 2.5 ft	260	30.5	1890000	46100	40800	5300	230
13B-0559-C3GS	5.5 - 6 ft	645	43.0	3420000				602
13B-0560-C1AS	0 - 0.5 ft	29.2	0.405	200000				28.8
13B-0560-C1BS	0.5 - 1.5 ft	158	7.81	691000	45300	36600	8700	150
13B-0560-C1CS	1.5 - 2.5 ft	92.2	22.5	1250000	116000	87100	29300	69.7
13B-0560-C1GS	5.14 - 5.86 ft	0.0122	0.00338	4750	44.4	19.4	25.0	0.00885
13B-0560-C3AS	0 - 0.5 ft				39700	34300	5390	
13B-0561-C1AS	0 - 0.5 ft	1740	62.6	7440000				1670
13B-0561-C1BS	0.5 - 1.5 ft	214	34.6	4390000	48600	40400	8240	179
13B-0561-C1CS	1.5 - 2.5 ft	160	32.8	3670000	52100	42200	9890	127
13B-0561-C1GS	5.5 - 6.5 ft	0.00189	1.94 U	216				0.00189
13B-0561-C2AS	0 - 0.5 ft				74200	59900	14300	
13B-0562-G2AS	0 - 0.5 ft	26.4	6.89	295000	172000	139000	32800	19.5
13B-0563-C1AS	0 - 0.5 ft				12400	9760	2620	
13B-0563-C1AT	0 - 0.5 ft				12300	10300	2020	
13B-0563-C1BS	0.5 - 1.5 ft				1930	1570	360	
13B-0563-C2AS	0 - 0.5 ft	4.92	0.105	63300				4.82
13B-0563-C2AT	0 - 0.5 ft	6.61	0.155	94300				6.46
13B-0563-C2BS	0.5 - 1.1 ft	2.30	0.0555	35400				2.25
13B-0563-C2CS	1.1 - 2.5 ft	2560	210	24500000	117000	90700	26000	2350
13B-0563-C2IS	7.5 - 8.28 ft	31.1	2.68	233000	38200	26700	11500	28.5
13B-0564-G2AS	0 - 0.5 ft	895	25.8	1670000	24000	21200	2800	869
13B-0565-G1AS	0 - 0.5 ft	89.3	0.510	232000	14300	12200	2090	88.8

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		CALC	E1668A	E1668A	ID-0016	ID-0016	ID-0016	SW1613B
Analyte		Total TEQ HH	PCB TEQ HH	PCB, TOTAL	Total Priority Po	h-molecular-weig	Total Low-molecular-weight PAHs	Dioxin + Furan TEQ HH
Unit		pg/g	pg/g	pg/g	ng/g	ng/g	ng/g	pg/g
Minimum Detect		0.00189	0.000269	15.5	2.82	2.25	0.326	0.00189
Maximum Detect		51500	265	31900000	238000	193000	54700	51400
Mean of Detects		2840	28.0	2630000	33700	27200	6530	2820
St. Dev. of Detects		7270	50.6	5430000	33800	25900	8390	7240
CV of Detects		2.56	1.81	2.06	1.00	0.951	1.28	2.57
% Detected		99.6	94.1	99.2	99.6	99.6	99.1	99.6
Sample ID	Depth Interval							
13B-0566-G3AS	0 - 0.5 ft	54.4	0.521	257000	5790	5140	647	53.9
13B-0567-G2AS	0 - 0.5 ft	514	15.9	1070000	15400	13600	1710	498
13B-0568-G2AS	0 - 0.5 ft	2560	40.6	4940000	27900	22600	5260	2520
13B-0570-G3AS	0 - 0.5 ft	491	15.8	882000				475
13B-0571-C3AS	0 - 0.5 ft	112	6.44	283000				105
13B-0571-C3BS	0.5 - 1.5 ft	122	4.64	150000	3670	3200	469	117
13B-0571-C3CS	1.5 - 2.5 ft	7.01	0.0157	15900	103	89.4	13.5	6.99
13B-0571-C3MS	11 - 12 ft	0.467 U	0.194 U	282	19.8 U	1.98 U	19.8 U	0.467 U
13B-0571-C4AS	0 - 0.5 ft				41700	37000	4630	
13B-0572-C1AS	0 - 0.5 ft	9.02	0.0617	38600				8.96
13B-0572-C1BS	0.5 - 1.5 ft	21.5	0.00663	8050	68200	59400	8790	21.4
13B-0572-C1CS	1.5 - 2.27 ft	6.70	0.00113	850				6.70
13B-0573-C2AS	0 - 0.5 ft	25.1	4.32	341000	159000	118000	40200	20.8
13B-0573-C2BS	0.5 - 1.5 ft	19.7	0.237	128000	63000	50000	13100	19.5
13B-0573-C2CS	1.5 - 2.5 ft	215	15.6	982000	8990	7770	1220	199
13B-0573-C2DS	2.5 - 3.75 ft	1.09	0.00743	5210	45.3	35.1	10.2	1.09
13B-0574-C2AS	0 - 0.5 ft	515	21.6	2160000	33100	26100	6940	494
13B-0574-C2BS	0.5 - 1.5 ft	727	18.7	1900000	61800	47200	14600	708
13B-0574-C2CS	1.5 - 2.5 ft	772	30.3	3110000	25500	18400	7130	742
13B-0574-C2HS	6.4 - 7.4 ft	1580	39.4	4390000	29200	22300	6800	1540
13B-0575-C1AS	0 - 0.5 ft				30500	26400	4050	
13B-0575-C4AS	0 - 0.5 ft	8390	126	12300000				8270
13B-0575-C4BS	0.5 - 1.5 ft	3570	56.0	5840000	11500	9270	2180	3510
13B-0575-C4CS	1.5 - 2.5 ft	1.21	0.00339	6040	119	65.8	52.9	1.21
13B-0575-C4FS	4.3 - 5.44 ft	0.427	0.942 U	409	9.46	4.83	4.64	0.427
13B-0577-G1AS	0 - 0.5 ft	116	7.58	297000	31200	28200	3000	108
13B-0578-C5AS	0 - 0.5 ft	26.6	0.133	89700				26.5
13B-0578-C5BS	0.5 - 1.5 ft	95.4	0.231	343000				95.2
13B-0578-C5CS	1.5 - 2.5 ft	12.3	0.0305	314000	51900	39700	12200	12.3
13B-0578-C5CT	1.5 - 2.5 ft	15.8	0.0330	335000	50900	39300	11600	15.7
13B-0578-C5GS	5.25 - 6.25 ft	0.421	0.00426	1630	43900	36600	7340	0.417
13B-0578-C6AS	0 - 0.5 ft				35100	27400	7650	
13B-0578-C6BS	0.5 - 1.5 ft				10600	8330	2280	

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0501-C1AS	0 - 0.5 ft	876	365	22	47
13B-0501-C1BS	0.5 - 1.5 ft	690	133	19	43
13B-0501-C1CS	1.5 - 2.5 ft	1900	351	38	190
13B-0501-C1DS	2.5 - 3.07 ft	575	87.9	1.3	38
13B-0501-C2DS	2.5 - 3.32 ft				
13B-0502-C2AS	0 - 0.5 ft	1180	296	10	13
13B-0502-C2BS	0.5 - 1.5 ft	2620	578	55	110
13B-0502-C2CS	1.5 - 2.45 ft	11100	2700	220	280
13B-0503-C1AS	0 - 0.5 ft	411	66.9	2.6	4.3
13B-0503-C1BS	0.5 - 1.5 ft	179	0.744 U	0.035	0.20
13B-0503-C1CS	1.5 - 2.5 ft	145	0.628 U	0.023	0.030 U
13B-0503-C1DS	2.5 - 2.5 ft	204	0.784 U	0.014 U	0.036 U
13B-0504-C2AS	0 - 0.5 ft				
13B-0504-C4AS	0 - 0.5 ft	53900	18800	32	2000
13B-0504-C4BS	0.5 - 1.5 ft	52400	19000	35	4600
13B-0504-C4CS	1.5 - 2.5 ft	13600	4870	13	1600
13B-0504-C4KS	9.5 - 10.25 ft	721	56.9	0.042 U	2.9
13B-0505-C1AS	0 - 0.5 ft	6710	1730	62	83
13B-0505-C1BS	0.5 - 1.5 ft	1670	352	17	27
13B-0505-C1CS	1.5 - 2.5 ft	9080	2040	76	110
13B-0505-C1FS	4.5 - 5.2 ft	79.0	4.45	0.083	0.15
13B-0506-C2AS	0 - 0.5 ft	12100	2300	29	35
13B-0506-C2BS	0.5 - 1.5 ft	237	63.7	1.8	2.3
13B-0506-C2CS	1.5 - 2.5 ft	16.8	3.60	0.13	0.15
13B-0506-C3AS	0 - 0.5 ft				
13B-0507-C2AS	0 - 0.5 ft	1490	12.3	0.57	1.1
13B-0507-C2BS	0.5 - 1.5 ft	437	0.193	0.12	0.065
13B-0507-C2CS	1.5 - 2.5 ft	215	0.331 U	0.017	0.058 U
13B-0507-C2DS	2.5 - 3.5 ft	491	0.289	0.011 U	0.064 U
13B-0508-G3AS	0 - 0.5 ft	249	53.7	3.2	2.9
13B-0509-C1AS	0 - 0.5 ft	27300	4400	48	230
13B-0509-C1BS	0.5 - 1.5 ft	1780	261	1.6	13
13B-0509-C1CS	1.5 - 2.5 ft	1870	218	0.050 U	0.051
13B-0509-C1ES	3.17 - 4.17 ft	4070	412	0.10 U	0.15
13B-0509-C2AS	0 - 0.5 ft				
13B-0510-C1AS	0 - 0.5 ft				
13B-0510-C3AS	0 - 0.5 ft	6120	1250	21	230
13B-0510-C3BS	0.5 - 1.9 ft	385	59.2	1.4	21
13B-0511-C1AS	0 - 0.5 ft				
13B-0511-C3AS	0 - 0.5 ft	8030	2000	67	78
13B-0511-C3BS	0.5 - 1.5 ft	7250	1660	67	68
13B-0511-C3CS	1.5 - 2.5 ft	12500	5370	53	210
13B-0511-C3HS	5.95 - 6.95 ft	6870	1700	21	200
13B-0512-G1AS	0 - 0.5 ft	5670	1340	61	67
13B-0513-G1AS	0 - 0.5 ft	19200	4110	64	180
13B-0514-G1AS	0 - 0.5 ft	6650	1620	61	66

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

	Analytic Method	SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
	Analyte	Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
	Unit	pg/g	pg/g	ug/kg	ug/kg
	Minimum Detect	5.72	0.111	0.017	0.051
	Maximum Detect	95700	25200	760	4600
	Mean of Detects	10100	2430	48.4	177
	St. Dev. of Detects	16500	4310	68.8	457
	CV of Detects	1.64	1.77	1.42	2.58
	% Detected	99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0515-C1AS	0 - 0.5 ft	1170	335	11	16
13B-0515-C1BS	0.5 - 1.71 ft	19.8	3.07	0.11	0.13
13B-0515-C2CS	1.5 - 2.19 ft	7.97	1.30	0.067	0.24
13B-0516-C2AS	0 - 0.5 ft	5310	1260	61	67
13B-0516-C2BS	0.5 - 1.5 ft	9160	2460	57	100
13B-0516-C2CS	1.5 - 2.5 ft	17100	3600	120	230
13B-0516-C2LS	10.4 - 11.4 ft	12200	2680	26	200
13B-0516-C3AS	0 - 0.5 ft				
13B-0517-G2AS	0 - 0.5 ft	303	59.7	8.2	2.6
13B-0518-G1AS	0 - 0.5 ft	1310	292	17	18
13B-0518-G1AT	0 - 0.5 ft	1320	261	14	27
13B-0519-C2AS	0 - 0.5 ft	5740	1190	69	68
13B-0519-C2BS	0.5 - 1.5 ft	3320	841	37	45
13B-0519-C2CS	1.5 - 2.5 ft	24800	4090	100	280
13B-0519-C2RS	16.1 - 17.1 ft	5.72	1.08 U	0.018 U	0.10 U
13B-0519-C5AS	0 - 0.5 ft				
13B-0520-G1AS	0 - 0.5 ft	6490	1370	110	55
13B-0521-C2AS	0 - 0.5 ft	446	66.6	9.0	7.8
13B-0521-C2BS	0.5 - 1.5 ft	274	37.9	7.8	5.5
13B-0521-C2CS	1.5 - 2.5 ft	942	171	20	15
13B-0521-C2HS	6.5 - 7.63 ft	57400	15300	190	660
13B-0522-G1AS	0 - 0.5 ft	8300	1980	61	63
13B-0522-G1AT	0 - 0.5 ft	8150	2050	76	80
13B-0523-G2AS	0 - 0.5 ft	8490	2270	67	86
13B-0524-C1AS	0 - 0.5 ft	5790	1630	82	74
13B-0524-C1BS	0.5 - 1.5 ft	6400	1570	77	77
13B-0524-C1CS	1.5 - 2.5 ft	9430	2030	88	89
13B-0524-C1GS	5.39 - 6.39 ft	14600	2700	180	200
13B-0525-C1AS	0 - 0.5 ft	7440	1490	87	95
13B-0525-C1BS	0.5 - 1.5 ft	8390	2390	96	75
13B-0525-C1CS	1.5 - 2.5 ft	9150	2460	83	100
13B-0525-C1HS	6.42 - 7.42 ft	13900	2200	140	220
13B-0525-C2AS	0 - 0.5 ft				
13B-0526-C1AS	0 - 0.5 ft	28700	5830	760	1000
13B-0526-C1BS	0.5 - 1.5 ft	66100	14300	110	630
13B-0526-C1CS	1.5 - 2.5 ft	49800	9760	170	550
13B-0526-C1CT	1.5 - 2.5 ft	53200	10000	130	460
13B-0526-C1HS	6.5 - 7.62 ft	3810	1880	5.0	44
13B-0526-C2AS	0 - 0.5 ft				
13B-0526-C2CS	1.5 - 2.5 ft				
13B-0526-C2CT	1.5 - 2.5 ft				
13B-0527-C2AS	0 - 0.5 ft	574	111	6.1	6.4
13B-0527-C2BS	0.5 - 1.5 ft	62.6	1.88	0.16	0.15
13B-0527-C2CS	1.5 - 2.6 ft	37.8	0.232	0.16	0.49
13B-0527-C3BS	0.5 - 1.5 ft				
13B-0528-C3AS	0 - 0.5 ft	12400	2790	68	100

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DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0528-C3BS	0.5 - 1.5 ft	78200	20400	68	550
13B-0528-C3CS	1.5 - 2.5 ft	57300	15200	42	2300
13B-0528-C3LS	10.5 - 11.54 ft	1840	175	0.059 U	1.5
13B-0528-C4AS	0 - 0.5 ft				
13B-0529-C2AS	0 - 0.5 ft	852	106	25	34
13B-0529-C2BS	0.5 - 1.5 ft	156	25.1	22	25
13B-0529-C2CS	1.5 - 2.5 ft	61.0	18.8	0.72	1.6
13B-0529-C2ES	3.5 - 4.2 ft	20.5	21.3	0.020 U	0.12 U
13B-0530-C1AS	0 - 0.5 ft	1040	210	24	12
13B-0530-C1BS	0.5 - 1.5 ft	7070	1820	37	56
13B-0530-C1CS	1.5 - 1.8 ft	799	128		
13B-0530-C3CS	1.5 - 1.93 ft			7.2	18
13B-0531-C1AS	0 - 0.5 ft				
13B-0531-C1AT	0 - 0.5 ft				
13B-0531-C2AS	0 - 0.5 ft	667	67.2	7.3	7.3
13B-0531-C2AT	0 - 0.5 ft	413	67.3	9.5	8.7
13B-0531-C2BS	0.5 - 1.5 ft	152	24.5	4.1	7.9
13B-0531-C2CS	1.5 - 2.5 ft	33.5	10.8	0.12	0.21
13B-0531-C2ES	3.5 - 4.42 ft	9.23	0.286 U	0.10	0.039 U
13B-0532-C1AS	0 - 0.5 ft	534	101	11	12
13B-0532-C1BS	0.5 - 1.5 ft	354	28.5	4.7	5.9
13B-0532-C1CS	1.5 - 2.5 ft	341	17.3	0.28	0.58
13B-0532-C1DS	2.5 - 3.73 ft	18.8	0.349	0.012 U	0.031 U
13B-0533-C2AS	0 - 0.5 ft	10800	2260		
13B-0533-C2AT	0 - 0.5 ft	10500	3200		
13B-0533-C2BS	0.5 - 1.5 ft	64800	15900	82	590
13B-0533-C2CS	1.5 - 2.5 ft	44500	10100	36	1600
13B-0533-C2JS	8.5 - 9.62 ft	4060	635		
13B-0533-C2JT	8.5 - 9.62 ft	4220	640		
13B-0533-C3AS	0 - 0.5 ft			98	180
13B-0533-C3AT	0 - 0.5 ft			150	170
13B-0533-C3JS	8.5 - 9.35 ft			0.071 U	2.2
13B-0533-C3JT	8.5 - 9.35 ft			0.093	2.8
13B-0534-C2AS	0 - 0.5 ft	36900	6980		
13B-0534-C2AT	0 - 0.5 ft	26300	6830		
13B-0534-C2BS	0.5 - 1.5 ft	20400	4360	10	310
13B-0534-C2CS	1.5 - 2.5 ft	12100	4090	0.21	57
13B-0534-C2IS	7.5 - 8.59 ft	2680	571	0.058 U	0.15
13B-0534-C3AS	0 - 0.5 ft			41	230
13B-0534-C3AT	0 - 0.5 ft			39	230
13B-0534-G1AS	0 - 0.5 ft				
13B-0534-G1AT	0 - 0.5 ft				
13B-0535-C2AS	0 - 0.5 ft	8050	1750	69	72
13B-0535-C2BS	0.5 - 1.5 ft	169	34.8	1.3	2.5
13B-0535-C2CS	1.5 - 2.45 ft	21.0	2.03	0.050 U	0.15
13B-0536-C1AS	0 - 0.5 ft	4960	1050	39	47

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LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0536-C1BS	0.5 - 1.5 ft	539	41.2	0.029 U	0.18 U
13B-0536-C1CS	1.5 - 2.5 ft	1410	213	0.043 U	0.083 U
13B-0536-C1FS	4.28 - 5.28 ft	3020	345	0.059 U	0.99 U
13B-0536-C3AS	0 - 0.5 ft				
13B-0537-C3AS	0 - 0.5 ft	1890	336	20	20
13B-0538-C2AS	0 - 0.5 ft				
13B-0538-C3AS	0 - 0.5 ft	56500	15700	41	440
13B-0538-C3BS	0.5 - 1.5 ft	53100	24200	99	600
13B-0538-C3CS	1.5 - 2.5 ft	32800	6770	52	180
13B-0538-C3ES	3.5 - 4.8 ft	601	69.3	0.054 U	0.32
13B-0539-C2AS	0 - 0.5 ft			16	77
13B-0539-C2AT	0 - 0.5 ft			20	92
13B-0539-C3AS	0 - 0.5 ft	13200	3640		
13B-0539-C3AT	0 - 0.5 ft	12100	3170		
13B-0539-C3BS	0.5 - 1.5 ft	16100	4380	1.7	180
13B-0539-C3CS	1.5 - 2.5 ft	6290	1980	0.093 U	0.40 U
13B-0539-C3HS	6.5 - 7.59 ft	338	5.35	0.035 U	0.11 U
13B-0539-G2AS	0 - 0.5 ft				
13B-0539-G2AT	0 - 0.5 ft				
13B-0540-C3AS	0 - 0.5 ft				
13B-0540-C4AS	0 - 0.5 ft	9470	1620	92	67
13B-0540-C4BS	0.5 - 1.5 ft	7880	1440	38	67
13B-0540-C4CS	1.5 - 2.5 ft	38300	11400	61	340
13B-0540-C4LS	10.3 - 11.25 ft	98.3	8.79	0.084 U	0.16
13B-0541-C1AS	0 - 0.5 ft	9990	1740	39	96
13B-0541-C1BS	0.5 - 1.5 ft	7090	1560	13	82
13B-0541-C1CS	1.5 - 2.5 ft	4320	585	3.5	80
13B-0541-C1FS	4.5 - 5.67 ft	28.8	0.688 U	0.88	0.12
13B-0541-C2AS	0 - 0.5 ft				
13B-0542-C2AS	0 - 0.5 ft	1290	249	0.79	1.1
13B-0542-C2BS	0.5 - 1.5 ft	793	54.8	0.12	0.36
13B-0542-C2CS	1.5 - 2.5 ft	1740	82.5	0.053 U	0.17
13B-0542-C2HS	6.5 - 7.55 ft	8.31	0.874 U	0.040	0.12
13B-0543-G1AS	0 - 0.5 ft	5350	963	200	110
13B-0544-C2AS	0 - 0.5 ft	3540	766	47	46
13B-0544-C2BS	0.5 - 1.5 ft	5560	1430	38	58
13B-0544-C2CS	1.5 - 2.5 ft	8870	2010	71	89
13B-0544-C2ES	3 - 3.97 ft	2880	505	17	25
13B-0546-G2AS	0 - 0.5 ft	485	62.7	18	16
13B-0547-C2AS	0 - 0.5 ft	78200	9750	38	260
13B-0547-C2BS	0.5 - 1.5 ft	18500	4480	34	460
13B-0547-C2CS	1.5 - 2.05 ft	1830	339	0.67	5.2
13B-0547-C2HS	6.5 - 7.15 ft	28.1	1.51	0.031	0.17 U
13B-0547-C5AAS	0 - 0.25 ft	16300	2710	98	130
13B-0547-C5ABS	0.25 - 0.5 ft	11200	2660	97	120
13B-0547-C5ACS	0.5 - 0.75 ft	46200	9650	84	360

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DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0547-C5ADS	0.75 - 1 ft	95700	25200	96	820
13B-0547-C5AES	1 - 1.25 ft	55100	10600	83	470
13B-0547-C5AFS	1.25 - 1.5 ft	26000	5430	61	610
13B-0547-C5AGS	1.5 - 1.75 ft	53100	10900	63	900
13B-0547-C5AHS	1.75 - 2 ft	20000	5640	330	2800
13B-0547-C5AIS	2 - 2.25 ft	4140	1050	8.3	130
13B-0547-C5AJS	2.25 - 2.5 ft	3420	229	0.47	3.9
13B-0547-C5AKS	2.5 - 2.75 ft	2710	74.0	0.25	2.3
13B-0547-C5ALS	2.75 - 3 ft	492	75.5	0.32	2.5
13B-0548-C1AS	0 - 0.5 ft	2980	489	40	40
13B-0548-C1BS	0.5 - 1.5 ft	3500	509	42	31
13B-0548-C1BT	0.5 - 1.5 ft	3720	489	57	57
13B-0548-C1CS	1.5 - 2.5 ft	3740	601	13	28
13B-0548-C1IS	7.5 - 8.79 ft	144	0.568 U	0.010 U	0.089 U
13B-0548-C2AS	0 - 0.5 ft				
13B-0548-C2BS	0.5 - 1.5 ft				
13B-0548-C2BT	0.5 - 1.5 ft				
13B-0548-C2CS	1.5 - 2.5 ft				
13B-0549-C2AS	0 - 0.5 ft			8.1	6.4
13B-0549-C3AS	0 - 0.5 ft	3700	624		
13B-0549-C3BS	0.5 - 1.5 ft	417	72.1	0.026 U	0.073 U
13B-0549-C3CS	1.5 - 2.65 ft	713	122	0.050 U	0.23 U
13B-0550-C1AS	0 - 0.5 ft				
13B-0550-C3AS	0 - 0.5 ft	4340	675	69	40
13B-0550-C3BS	0.5 - 1.5 ft	1460	201	11	13
13B-0550-C3CS	1.5 - 2.5 ft	1020	23.1	0.028 U	0.067
13B-0550-C3FS	4.5 - 5.37 ft	198	0.197 U	0.24	1.9
13B-0551-C2AS	0 - 0.5 ft	3880	823	110	62
13B-0551-C2BS	0.5 - 0.88 ft	2320	625		
13B-0551-G2AS	0 - 0.5 ft				
13B-0552-C1BS	0.5 - 1.5 ft				
13B-0552-C1CS	1.5 - 2.2 ft				
13B-0552-C1CT	1.5 - 2.2 ft				
13B-0552-C3AS	0 - 0.5 ft	8960	1630	72	78
13B-0552-C3BS	0.5 - 1.5 ft	12900	2060	53	88
13B-0552-C3CS	1.5 - 2.38 ft	19300	4600	39	170
13B-0552-C3CT	1.5 - 2.38 ft	22400	5750	44	190
13B-0553-C1AS	0 - 0.5 ft				
13B-0553-C2AS	0 - 0.5 ft	1950	754	19	14
13B-0553-C2BS	0.5 - 1.5 ft	1080	239	0.080 U	0.17
13B-0553-C2CS	1.5 - 2.5 ft	1470	262	0.32 U	0.35
13B-0553-C2DS	2.5 - 3.5 ft	2410	453	0.14 U	0.51 U
13B-0554-C1AS	0 - 0.5 ft	2060	1560		
13B-0554-C1BS	0.5 - 1.5 ft	6710	1470	56	62
13B-0554-C1CS	1.5 - 2.5 ft	6230	1060	79	65
13B-0554-C1ES	3.5 - 4.7 ft	395	3.33	0.17	0.49

APPENDIX I
DATA RESULTS SUMMARY
LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0554-C4AS	0 - 0.5 ft			130	41
13B-0554-G2AS	0 - 0.5 ft				
13B-0555-C1AS	0 - 0.5 ft	53300	13500	71	350
13B-0555-C1BS	0.5 - 1.22 ft	22400	3820	26	330
13B-0555-C2BS	0.5 - 1.5 ft				
13B-0555-C2CS	1.5 - 2 ft	62700	17400	120	500
13B-0555-C2DS	2 - 3 ft	31700	8420	36	360
13B-0556-C2AS	0 - 0.5 ft	5630	950	81	58
13B-0556-C2BS	0.5 - 1.5 ft	5920	964	75	48
13B-0556-C2CS	1.5 - 2.38 ft	4080	558	85	28
13B-0557-C1AS	0 - 0.5 ft				
13B-0557-C2AS	0 - 0.5 ft	8910	803	87	57
13B-0557-C2BS	0.5 - 1.5 ft	10200	967	94	54
13B-0557-C2CS	1.5 - 2.5 ft	11400	1510	140	89
13B-0557-C2ES	3.5 - 4.5 ft	8310	1370	51	80
13B-0558-C2AS	0 - 0.5 ft	4090	593	42	29
13B-0558-C2BS	0.5 - 1.5 ft	1660	271	9.5	7.9
13B-0558-C2CS	1.5 - 2.5 ft	850	118	0.12 U	0.16 U
13B-0558-C2FS	4.5 - 5.75 ft	7.48	0.765 U	2.5	0.061 U
13B-0558-C3AS	0 - 0.5 ft				
13B-0559-C2GS	5.5 - 6.46 ft				
13B-0559-C3AS	0 - 0.5 ft	2610	933	31	26
13B-0559-C3BS	0.5 - 1.5 ft	8170	1050	54	43
13B-0559-C3CS	1.5 - 2.5 ft	10700	1370	81	76
13B-0559-C3GS	5.5 - 6 ft	9770	1400	120	97
13B-0560-C1AS	0 - 0.5 ft	1360	188	19	12
13B-0560-C1BS	0.5 - 1.5 ft	4370	922	46	47
13B-0560-C1CS	1.5 - 2.5 ft	9250	857	110	57
13B-0560-C1GS	5.14 - 5.86 ft	29.5	2.91 U	0.056	0.12 U
13B-0560-C3AS	0 - 0.5 ft				
13B-0561-C1AS	0 - 0.5 ft	16700	3010	74	360
13B-0561-C1BS	0.5 - 1.5 ft	15600	1630	35	160
13B-0561-C1CS	1.5 - 2.5 ft	3000	528	15	170
13B-0561-C1GS	5.5 - 6.5 ft	6.29	0.534 U	0.019 U	0.14 U
13B-0561-C2AS	0 - 0.5 ft				
13B-0562-G2AS	0 - 0.5 ft	2580	246	38	16
13B-0563-C1AS	0 - 0.5 ft			13	8.2
13B-0563-C1AT	0 - 0.5 ft			11	6.4
13B-0563-C1BS	0.5 - 1.5 ft				
13B-0563-C2AS	0 - 0.5 ft	399	53.7		
13B-0563-C2AT	0 - 0.5 ft	454	52.4		
13B-0563-C2BS	0.5 - 1.1 ft	202	20.3	3.1	2.5
13B-0563-C2CS	1.1 - 2.5 ft	47400	4780	2.1	23
13B-0563-C2IS	7.5 - 8.28 ft	2040	436	2.5	27
13B-0564-G2AS	0 - 0.5 ft	10300	2320	86	100
13B-0565-G1AS	0 - 0.5 ft	1420	261	28	25

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LRC SSP2 Report Totals

Analytic Method		SW1613B	SW1613B	WS-ID-0014	WS-ID-0014
Analyte		Dioxin TEQ HH	Furan TEQ HH	SUM OF CHLORDANE ISOMERS BY EIA	Total of 4,4'-DDD 4,4'-DDE 4,4'-DDT
Unit		pg/g	pg/g	ug/kg	ug/kg
Minimum Detect		5.72	0.111	0.017	0.051
Maximum Detect		95700	25200	760	4600
Mean of Detects		10100	2430	48.4	177
St. Dev. of Detects		16500	4310	68.8	457
CV of Detects		1.64	1.77	1.42	2.58
% Detected		99.6	94.4	85.5	87.9
Sample ID	Depth Interval				
13B-0566-G3AS	0 - 0.5 ft	807	163	8.2	11
13B-0567-G2AS	0 - 0.5 ft	9100	2950	93	95
13B-0568-G2AS	0 - 0.5 ft	23200	4690	32	210
13B-0570-G3AS	0 - 0.5 ft	5760	1230		
13B-0571-C3AS	0 - 0.5 ft	2880	461	95	20
13B-0571-C3BS	0.5 - 1.5 ft	1960	317	150	7.5
13B-0571-C3CS	1.5 - 2.5 ft	202	44.4	24	0.20 U
13B-0571-C3MS	11 - 12 ft	1.08 U	0.542 U	0.42	0.073 U
13B-0571-C4AS	0 - 0.5 ft				
13B-0572-C1AS	0 - 0.5 ft	376	106	2.5	2.0
13B-0572-C1BS	0.5 - 1.5 ft	1150	208	0.056 U	0.31 U
13B-0572-C1CS	1.5 - 2.27 ft	495	83.2	0.069 U	0.38 U
13B-0573-C2AS	0 - 0.5 ft	2100	193	25	18
13B-0573-C2BS	0.5 - 1.5 ft	925	137	20	11
13B-0573-C2CS	1.5 - 2.5 ft	2770	412	10	21
13B-0573-C2DS	2.5 - 3.75 ft	15.8	2.20	0.015 U	0.13
13B-0574-C2AS	0 - 0.5 ft	3560	630	22	710
13B-0574-C2BS	0.5 - 1.5 ft	4460	1040	38	120
13B-0574-C2CS	1.5 - 2.5 ft	4310	1130	18	62
13B-0574-C2HS	6.4 - 7.4 ft	8450	1500	18	69
13B-0575-C1AS	0 - 0.5 ft				
13B-0575-C4AS	0 - 0.5 ft	29300	5410	51	220
13B-0575-C4BS	0.5 - 1.5 ft	12100	3700	24	160
13B-0575-C4CS	1.5 - 2.5 ft	71.8	0.732	0.075 U	0.30 U
13B-0575-C4FS	4.3 - 5.44 ft	19.1	0.111	0.050 U	0.19 U
13B-0577-G1AS	0 - 0.5 ft	4880	752	140	79
13B-0578-C5AS	0 - 0.5 ft	345	70.8	2.7	4.5
13B-0578-C5BS	0.5 - 1.5 ft	3830	909	4.6	13
13B-0578-C5CS	1.5 - 2.5 ft	2100	234	0.071 U	0.094 U
13B-0578-C5CT	1.5 - 2.5 ft	2270	238	0.071 U	0.077
13B-0578-C5GS	5.25 - 6.25 ft	123	10.5	0.061	0.10 U
13B-0578-C6AS	0 - 0.5 ft				
13B-0578-C6BS	0.5 - 1.5 ft				

Notes:
% = percent
ft = feet
pg/g = picogram per gram
ng/g = nanogram per gram
ug/kg = microgram per kilogram
DL = Detection Limit
CV = Coefficient of Variation
PAH = Polyaromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
St. Dev. = Standard Deviation
TEQ HH = Toxic Equivalent Quantity - Human Health

Appendix J

Equipment Blank Results Summary

Appendix J
Inventory

Analysis Abbreviation	Analysis Definition
Butyltins	Butyltins
Cyanide	Cyanide
Mercury	Low Level Mercury
Metals TAL-6010	TAL Metals, Titanium by ICP-AES
Metals TAL-6020	TAL Metals, Titanium by ICP-MS
PAHs-HR	PAHs-HRGC/LRMS-SIM
PCB-Congener	PCB Congeners
PCB-Homolog	PCB Homologs
PCDDF	PCDD/PCDFs
Pesticide-HR	Organochlorine Pesticides (HRGC/HRMS)
Sulfide	Total Sulfide
SVOC	Semivolatile Organics
TOC	TOC
TPH-Extractable	TPH-Extractable

Appendix J
Analytical Results for Butyltins in Equipment Blank

	Analytic Method Analyte Unit	KRONE Dibutyltin ug/l	KRONE Monobutyltin ug/l	KRONE Tetrabutyltin ug/l	KRONE Tributyltin ug/l
Sample ID	**Sample Type**				
13B-0501-C3XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0501-G2AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0505-C2XR	EB	0.050 U	0.050 UJ	0.050 U	0.050 U
13B-0505-G2AR	EB	0.050 U	0.050 UJ	0.050 U	0.050 U
13B-0511-C1GR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0516-C3XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0518-G1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0519-C5XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0519-G1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0525-C2XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0525-G1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0530-C4CR	EB	0.050 U	0.050 UJ	0.050 U	0.050 U
13B-0548-C1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0548-C3XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0548-G1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0550-C3XR	EB	0.050 U	0.050 UJ	0.050 U	0.050 U
13B-0550-G1AR	EB	0.050 U	0.057 UJ	0.050 U	0.050 U
13B-0570-G3AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0571-C4XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0573-C4AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0575-C4XR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0575-G1AR	EB	0.050 U	0.050 U	0.050 U	0.050 U
13B-0576-G3AR	EB	0.050 U	0.050 U	0.050 U	0.050 U

Notes:

ug/l = microgram per liter

EB = equipment rinsate blank

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

UJ = The analyte was not detected above the reported sample quantitation limit however the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

Appendix J
Analytical Results for Cyanide in Equipment Blank

Analytic Method Analyte Unit		E335.4 Cyanide mg/l
Sample ID	**Sample Type**	
13B-0501-C3XR	EB	0.010 U
13B-0501-G2AR	EB	0.010 U
13B-0505-C2XR	EB	0.010 U
13B-0505-G2AR	EB	0.010 U
13B-0511-C1GR	EB	0.010 U
13B-0516-C3XR	EB	0.010 U
13B-0518-G1AR	EB	0.010 U
13B-0519-C5XR	EB	0.010 U
13B-0519-G1AR	EB	0.010 U
13B-0525-C2XR	EB	0.010 U
13B-0525-G1AR	EB	0.010 U
13B-0530-C4CR	EB	0.010 U
13B-0548-C1AR	EB	0.010 U
13B-0548-C3XR	EB	0.010 U
13B-0548-G1AR	EB	0.010 U
13B-0550-C3XR	EB	0.010 U
13B-0550-G1AR	EB	0.010 U
13B-0570-G3AR	EB	0.010 U
13B-0571-C4XR	EB	0.010 U
13B-0573-C4AR	EB	0.010 U
13B-0575-C4XR	EB	0.010 U
13B-0575-G1AR	EB	0.010 U
13B-0576-G3AR	EB	0.010 U

Notes:
mg/l = milligram per liter
EB = equipment rinsate blank
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for Mercury in Equipment Blank

	Analytic Method Analyte Unit	E1631E Mercury ng/l
Sample ID	**Sample Type**	
13B-0501-C3XR	EB	0.42 U
13B-0501-G2AR	EB	0.42 U
13B-0505-C2XR	EB	0.69
13B-0505-G2AR	EB	1.16
13B-0511-C1GR	EB	0.41 U
13B-0516-C3XR	EB	0.41 U
13B-0518-G1AR	EB	0.41 U
13B-0519-C5XR	EB	0.32 J
13B-0519-G1AR	EB	0.32 J
13B-0525-C2XR	EB	2.15
13B-0525-G1AR	EB	0.41 U
13B-0530-C4CR	EB	0.91
13B-0548-C1AR	EB	0.39 U
13B-0548-C3XR	EB	0.47
13B-0548-G1AR	EB	0.41 U
13B-0550-C3XR	EB	2.69
13B-0550-G1AR	EB	0.41 U
13B-0570-G3AR	EB	0.94
13B-0571-C4XR	EB	0.59
13B-0573-C4AR	EB	0.41 U
13B-0575-C4XR	EB	5.09
13B-0575-G1AR	EB	0.41 U
13B-0576-G3AR	EB	0.41 U

Notes:
ng/l = nanogram per liter
EB = equipment rinsate blank
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for TAL Metals+Titanium in Equipment Blank

Analytic Method		SW6010	SW6010	SW6010	SW6010	SW6010	SW6010	SW6010	SW6010
Analyte		Aluminum	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium	Titanium
Unit		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**								
13B-0501-C3XR	EB	7.7 J	20.0 U	11.9 J	5.0 U	1.00 U	200 U	200 U	2.0 U
13B-0501-G2AR	EB	24.3	42.1	57.8	54.4	1.20	200 U	432	2.0 U
13B-0505-C2XR	EB	405	207	197 J	34.2	40.9	200 U	59.1 J	3.0
13B-0505-G2AR	EB	43.9	44.4	99.9 J	26.6	2.50	200 U	43.5 J	3.3
13B-0511-C1GR	EB	10.0 U	20.0 U	4.7 J	5.0 U	1.00 U	200 U	200 U	2.0 U
13B-0516-C3XR	EB	174	59.7	61.6	17.6 J	26.3 J	200 U	77.1 J	1.9 J
13B-0518-G1AR	EB	73.1	59.6	112	16.7 J	4.70 J	200 U	140 J	0.9 J
13B-0519-C5XR	EB	175	46.5	41.4	8.7	22.3	69.8 J	200 U	2.0 U
13B-0519-G1AR	EB	14.5	20.0 U	57.8	5.0 U	11.0	200 U	200 U	2.0 U
13B-0525-C2XR	EB	12.9	49.6	48.9	14.1	2.40	200 U	200 U	0.8 J
13B-0525-G1AR	EB	9.5 J	29.9	34.5	9.3	1.10	200 U	66.3 J	2.0 U
13B-0530-C4CR	EB	10.0 U	20.0 U	9.0 J	5.0 U	1.00 U	200 U	200 U	2.0 U
13B-0548-C1AR	EB	10.0 U	20.0 U	14.2 J	5.0 U	1.00 U	200 U	200 U	2.0 U
13B-0548-C3XR	EB	106	174	350	41.6	21.0	200 U	200 U	1.3 J
13B-0548-G1AR	EB	12.6	54.2	35.7	10.0	5.60	200 U	200 U	2.0 U
13B-0550-C3XR	EB	129	52.6	252 J	32.2	5.20	200 U	20.9 J	3.9
13B-0550-G1AR	EB	7.2 J	20.0 U	7.8 J	5.0 U	1.00 U	200 U	65.5 J	2.0 U
13B-0570-G3AR	EB	59.7	56.5	312	12.1	21.7	200 U	68.7 J	1.6 J
13B-0571-C4XR	EB	648	132	1120	41.5	50.1	200 U	216	1.5 J
13B-0573-C4AR	EB	10.0 U	20.0 U	6.3 J	5.0 U	1.00 U	200 U	200 U	1.7 J
13B-0575-C4XR	EB	25.2	46.2	57.4	13.9	3.10	200 U	200 U	1.6 J
13B-0575-G1AR	EB	14.3	114	10.2 J	9.2	1.00 U	200 U	207	2.0 U
13B-0576-G3AR	EB	10.0 U	20.0 U	3.7 J	5.0 U	1.00 U	200 U	200 U	1.0 J

Notes:
ug/l = microgram per liter
EB = equipment rinsate blank
TAL = Target Analyte List
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

Appendix J
Analytical Results for Metals TAL-6020 in Equipment Blank

Analytic Method		SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020	SW6020
Analyte		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Unit		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	Sample Type															
13B-0501-C3XR	EB	0.050 U	0.5 U	0.07	0.020 U	0.020 U	0.23	0.020 U	0.07 J	0.076	0.32	1.0 U	0.020 U	0.020 U	0.20 U	1.5
13B-0501-G2AR	EB	0.050 U	0.5 U	0.17	0.020 U	0.020 U	5.20	0.078	0.32	0.109	4.01	1.0 U	0.020 U	0.020 U	0.20 U	2.6
13B-0505-C2XR	EB	0.050 U	0.5 U	1.90	0.020 U	0.059	7.79	0.300	2.77	0.500	12.9	1.0 U	0.020 U	0.020 U	0.20 U	35.9 J
13B-0505-G2AR	EB	0.050 U	0.5 U	0.85	0.020 U	0.020 U	1.82	0.052	0.59	0.565	1.65	1.0 U	0.020 U	0.020 U	0.08 J	2.6 J
13B-0511-C1GR	EB	0.050 U	0.5 U	0.03 J	0.020 U	0.020 U	0.21	0.020 U	0.07 J	0.020 U	0.10 J	1.0 U	0.020 U	0.020 U	0.20 U	0.6
13B-0516-C3XR	EB	0.05 U	0.50 U	0.63	0.020 U	0.020 UJ	1.60	0.242	0.46	0.070	10.8	1.0 U	0.020 U	0.020 U	0.05 J	8.07
13B-0518-G1AR	EB	0.05 U	0.50 U	0.97	0.020 U	0.020 UJ	4.40	0.042	1.14	0.662	1.61	1.0 U	0.020 U	0.020 U	0.04 J	6.77
13B-0519-C5XR	EB	0.05 U	0.50 U	0.44	0.020 U	0.011 J	0.62	0.191	0.17	0.065	12.2	1.0 U	0.020 U	0.020 U	0.072 J	8.44
13B-0519-G1AR	EB	0.05 U	0.50 U	0.06	0.020 U	0.020 U	3.17	0.056	0.49	0.009 J	0.98	1.0 U	0.020 U	0.020 U	0.200 U	1.60
13B-0525-C2XR	EB	0.050 U	0.5 U	0.35	0.020 U	0.020 U	0.57	0.074	0.20	0.190	1.92	1.0 U	0.020 U	0.020 U	0.20 U	1.8
13B-0525-G1AR	EB	0.050 U	0.5 U	0.33	0.020 U	0.020 U	4.44	0.038	0.56	0.259	1.70	1.0 U	0.020 U	0.020 U	0.06 J	8.3
13B-0530-C4CR	EB	0.050 U	0.5 U	0.04 J	0.020 U	0.020 U	0.20 U	0.020 U	0.07 J	0.022	0.05 J	1.0 U	0.020 U	0.020 U	0.20 U	2.4 J
13B-0548-C1AR	EB	0.05 U	0.50 U	0.04 J	0.020 U	0.020 U	0.34	0.020 U	0.18	0.008 J	0.11 J	1.0 U	0.020 U	0.020 U	0.200 U	1.02
13B-0548-C3XR	EB	0.05 U	0.50 U	1.46	0.020 U	0.011 J	4.78	0.442	0.34	0.173	12.7	1.0 U	0.020 U	0.020 U	0.095 J	5.65
13B-0548-G1AR	EB	0.05 U	0.50 U	0.22	0.020 U	0.020 U	0.94	0.092	0.32	0.087	0.56	1.0 U	0.020 U	0.020 U	0.094 J	2.13
13B-0550-C3XR	EB	0.083	0.5 U	1.17	0.020 U	0.020 U	3.47	0.100	1.04	3.730	4.07	1.0 U	0.020 U	0.020 U	0.14 J	2.9 J
13B-0550-G1AR	EB	0.050 U	0.5 U	0.13	0.020 U	0.020 U	0.26	0.020 U	0.09 J	0.065	0.11 J	1.0 U	0.020 U	0.020 U	0.20 U	2.3 J
13B-0570-G3AR	EB	0.050 UJ	0.5 U	0.65	0.020 U	0.020 U	10.2	0.434	1.17	0.488	2.49	1.0 U	0.020 U	0.020 U	0.14 J	7.7
13B-0571-C4XR	EB	0.050 UJ	0.1 J	2.09	0.020 U	0.032	62.2	0.980	2.44	2.170	61.6	1.0 U	0.020 U	0.020 U	0.66	24.8
13B-0573-C4AR	EB	0.050 UJ	0.5 U	0.11	0.020 U	0.020 U	0.17 J	0.020 U	0.09 J	0.020 U	0.28	1.0 U	0.020 U	0.020 U	0.20 U	1.8
13B-0575-C4XR	EB	0.05 U	0.50 U	0.87	0.020 U	0.006 J	0.41	0.031	0.46	1.060	0.43	1.0 U	0.020 U	0.020 U	0.079 J	3.15
13B-0575-G1AR	EB	0.05 U	0.50 U	0.20	0.020 U	0.007 J	0.16 J	0.013 J	0.34	0.084	0.31	1.0 U	0.005 J	0.020 U	0.200 U	17.3
13B-0576-G3AR	EB	0.05 U	0.50 U	0.02 J	0.020 U	0.020 U	0.04 J	0.020 U	0.07 J	0.008 J	0.06 J	1.0 U	0.038	0.020 U	0.200 U	0.50 U

Notes:

ug/l = microgram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

TAL = Target Analyte List

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	1-Methylnaphthalene	1-Methylphenanthrene	2,3,5-Trimethylnaphthalene	2,6-Dimethylnaphthalene	2-Methylnaphthalene	Acenaphthene
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	4.89 J	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0501-G2AR	EB	16.2	1.51 J	1.89 J	6.38 J	28.4	2.61 J
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0505-G2AR	EB	4.79 J	0.962 J	10.0 U	10.0 U	20.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	1.00 J	10.0 U	10.0 U	20.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	0.721 J	10.0 U	10.0 U	20.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0519-C5XR	EB	5.26 J	10.0 U	10.0 U	10.0 U	9.93 J	10.0 U
13B-0519-G1AR	EB	6.49 J	10.0 U	10.0 U	10.0 U	12.1 J	10.0 U
13B-0525-C2XR	EB	8.66 J	1.90 J	10.0 U	3.67 J	20.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0550-C3XR	EB	5.37 J	2.19 J	10.0 U	2.75 J	9.70 J	10.0 U
13B-0550-G1AR	EB	4.11 J	1.98 J	10.0 U	10.0 U	20.0 U	10.0 U
13B-0570-G3AR	EB	6.68 J	10.0 U	10.0 U	2.70 J	11.1 J	10.0 U
13B-0571-C4XR	EB	6.37 J	10.0 U	10.0 U	3.14 J	10.1 J	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(E)pyrene
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	0.498 U	10.0 U	10.0 U	1.50 J	1.78 J	10.0 U
13B-0501-G2AR	EB	0.508 U	1.84 J	10.0 U	1.08 J	10.0 U	10.0 U
13B-0505-C2XR	EB	0.252 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	0.847 U	1.92 J	4.75 J	6.44 J	8.53 J	5.41 J
13B-0511-C1GR	EB	0.164 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	0.525 U	1.51 J	10.0 U
13B-0518-G1AR	EB	0.290 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	1.06 U	10.0 U	10.0 U	0.571 U	10.0 U	10.0 U
13B-0519-G1AR	EB	1.47 J	0.734 J	10.0 U	1.56 U	1.81 J	1.42 J
13B-0525-C2XR	EB	0.244 U	1.09 U	10.0 U	0.898 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	0.192 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	0.191 U	10.0 U	10.0 U	0.774 U	10.0 U	10.0 U
13B-0548-C3XR	EB	0.230 J	10.0 U	10.0 U	0.431 J	10.0 U	10.0 U
13B-0548-G1AR	EB	0.175 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	1.25 J	2.05 J	3.92 J	3.79 J	4.82 J	2.53 J
13B-0550-G1AR	EB	0.692 U	1.01 J	2.80 J	3.57 J	5.04 J	4.39 J
13B-0570-G3AR	EB	0.306 J	10.0 U	10.0 U	0.494 J	10.0 U	10.0 U
13B-0571-C4XR	EB	0.550 J	10.0 U	10.0 U	0.832 J	10.0 U	10.0 U
13B-0573-C4AR	EB	0.172 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	0.309 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	0.593 J	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	C1-Benzanthracene/chrysenes	C1-Dibenzothiophenes	C1-Fluorenes
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	1.56 J	1.07 J	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	0.959 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	5.46 J	4.30 J	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	0.621 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	1.02 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	2.29 U	1.58 J	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	0.781 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	0.923 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	2.57 J	2.15 J	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	4.37 J	2.65 J	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	0.526 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	0.967 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	0.637 J	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	C1-Phenanthrene/anthracenes	C1-Pyrene/fluoranthenes	C2-Benzanthracene/chrysenes	C2-Dibenzothiophenes	C2-Fluorenes
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	C2-Naphthalene	C2-Phenanthrene/anthracenes	C3-Benzoanthracene/chrysenes	C3-Dibenzothiophenes	C3-Fluorenes
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	16.0	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	C3-Naphthalene	C3-Phenanthrene/anthracenes	C4-Benzoanthracene/chrysenes	C4-Dibenzothiophenes	C4-Naphthalene
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	C4-Phenanthrenes/anthracenes	Chrysene	Dibenzo(a,h)anthracene	Dibenzothiophene	Fluoranthene	Fluorene
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	10.0 U	1.01 J	1.09 J	10.0 U	10.0 U	1.88 J
13B-0501-G2AR	EB	10.0 U	1.05 J	10.0 U	1.20 J	2.50 J	5.20 J
13B-0505-C2XR	EB	10.0 U	0.266 J	10.0 U	10.0 U	10.0 U	1.65 J
13B-0505-G2AR	EB	10.0 U	7.11 J	1.07 J	10.0 U	10.6	2.43 J
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	2.80 J	2.70 U
13B-0516-C3XR	EB	10.0 U	0.751 U	10.0 U	10.0 U	3.62 J	10.0 U
13B-0518-G1AR	EB	10.0 U	0.386 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	1.04 U	10.0 U	10.0 U	2.64 J	2.03 J
13B-0519-G1AR	EB	10.0 U	0.960 U	1.74 J	10.0 U	10.0 U	1.93 J
13B-0525-C2XR	EB	10.0 U	0.686 U	10.0 U	1.06 J	5.50 J	3.49 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	0.250 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	0.521 U	0.878 J	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	0.799 J	10.0 U	10.0 U	2.52 J	10.0 U
13B-0548-G1AR	EB	10.0 U	0.658 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	4.80 J	10.0 U	0.909 J	8.11 J	3.23 J
13B-0550-G1AR	EB	10.0 U	4.66 J	0.803 J	10.0 U	9.82 J	2.07 J
13B-0570-G3AR	EB	10.0 U	0.696 J	10.0 U	10.0 U	10.0 U	2.43 J
13B-0571-C4XR	EB	10.0 U	1.26 J	10.0 U	0.754 J	3.16 J	3.59 J
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	0.348 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	0.323 J	10.0 U	10.0 U	10.0 U	1.94 J
13B-0576-G3AR	EB	10.0 U	0.519 J	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016	ID-0016
	Analyte	Indeno(1,2,3-cd)pyrene	Naphthalene	PAHs, Total Priority Pollutant	Perylene	Phenanthrene	Pyrene
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	1.34 J	24.4 J	38.0	1.19 J	20.0 U	2.34 J
13B-0501-G2AR	EB	10.0 U	45.1 J	76.2	10.0 U	11.9 J	3.94 J
13B-0505-C2XR	EB	10.0 U	50.0 U	1.92	10.0 U	20.0 U	10.0 U
13B-0505-G2AR	EB	4.42 J	21.7 J	89.2	2.18 J	20.0 U	10.5
13B-0511-C1GR	EB	10.0 U	50.0 U	15.3	5.43 U	12.5 J	10.0 U
13B-0516-C3XR	EB	10.0 U	50.0 U	7.79	3.10 U	20.0 U	2.66 J
13B-0518-G1AR	EB	10.0 U	17.9 J	17.9	5.57 U	20.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	24.1 J	28.8	10.0 U	20.0 U	3.09 U
13B-0519-G1AR	EB	1.79 J	29.1 J	40.2	10.0 U	20.0 U	2.47 U
13B-0525-C2XR	EB	10.0 U	22.6 J	45.4	7.42 U	12.8 J	4.50 J
13B-0525-G1AR	EB	10.0 U	50.0 U	3.17	5.88 U	20.0 U	3.17 J
13B-0530-C4CR	EB	10.0 U	50.0 U	0.250	10.0 U	20.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	50.0 U	0.878	10.0 U	20.0 U	1.82 U
13B-0548-C3XR	EB	10.0 U	50.0 U	3.98	2.54 U	20.0 U	3.24 U
13B-0548-G1AR	EB	10.0 U	50.0 U	0.833	4.15 U	20.0 U	2.66 U
13B-0550-C3XR	EB	2.17 J	26.6 J	75.5	2.11 J	20.0 U	10.0
13B-0550-G1AR	EB	2.51 J	24.9 J	90.5	2.67 J	20.0 U	26.3
13B-0570-G3AR	EB	10.0 U	26.7 J	31.2	10.0 U	20.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	24.3 J	37.0	10.0 U	20.0 U	2.39 J
13B-0573-C4AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	20.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	50.0 U	0.348	4.02 U	20.0 U	2.08 U
13B-0575-G1AR	EB	10.0 U	18.0 J	20.6	2.45 U	20.0 U	2.61 U
13B-0576-G3AR	EB	10.0 U	50.0 U	1.75	3.01 U	20.0 U	2.33 U

Appendix J
Analytical Results for PAHs-HR in Equipment Blank

	Analytic Method	ID-0016	ID-0016
	Analyte	Total High-molecular-weight PAHs	Total Low-molecular-weight PAHs
	Unit	ng/l	ng/l
Sample ID	Sample Type		
13B-0501-C3XR	EB	11.7	26.3
13B-0501-G2AR	EB	9.53	66.7
13B-0505-C2XR	EB	0.266	1.65
13B-0505-G2AR	EB	63.2	26.1
13B-0511-C1GR	EB	2.80	12.5
13B-0516-C3XR	EB	7.79	50.0 U
13B-0518-G1AR	EB	10.0 U	17.9
13B-0519-C5XR	EB	2.64	26.1
13B-0519-G1AR	EB	6.92	33.2
13B-0525-C2XR	EB	10.0	35.4
13B-0525-G1AR	EB	3.17	50.0 U
13B-0530-C4CR	EB	0.250	50.0 U
13B-0548-C1AR	EB	0.878	50.0 U
13B-0548-C3XR	EB	3.75	0.230
13B-0548-G1AR	EB	0.658	0.175
13B-0550-C3XR	EB	42.3	33.1
13B-0550-G1AR	EB	62.5	28.0
13B-0570-G3AR	EB	1.72	29.4
13B-0571-C4XR	EB	8.61	28.4
13B-0573-C4AR	EB	10.0 U	50.0 U
13B-0575-C4XR	EB	0.348	50.0 U
13B-0575-G1AR	EB	0.323	20.2
13B-0576-G3AR	EB	1.75	50.0 U

Notes:

ng/l = nanogram per liter

EB = equipment rinsate blank

HR = High Resolution

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

PAH = Polycyclic Aromatic Hydrocarbon

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	PCB-1	PCB-10	PCB-100	PCB-101	PCB-102	PCB-103	PCB-104	PCB-105	PCB-106	PCB-107
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	523	18 J	9.3 U	9.29 EMPC-J	414	19.3 EMPC-J	5.36 U	4.3 U	165	4.34 U	14.4 J
13B-0501-G2AR	EB	104	8.27 U	7.3 U	6.01 U	158	5.98 U	5.64 U	3.95 U	62	4.57 U	4.59 U
13B-0505-C2XR	EB	355	6.37 U	3.98 U	59 EMPC-J	1810	67.2 EMPC-J	26.2 J	6.62 J	651	6.48 U	65.8 J
13B-0505-G2AR	EB	77.6	20.9 J	6.43 U	6.82 J	213	6.81 EMPC-J	4.96 U	2.87 U	102	4.01 U	7.86 J
13B-0511-C1GR	EB	14.5 J	13.4 U	4.93 UJ	2.68 U	54.1 J	2.24 U	2.55 U	2.01 U	18.7 J	2.22 U	2.2 U
13B-0516-C3XR	EB	111	118	8.72	7.44	366	14.2	4.57	2.28	131	3.45	12.4
13B-0518-G1AR	EB	139	61.8	1.95	2.63	158	3.94	2.57	1.05	122	1.94	8.69
13B-0519-C5XR	EB	150 EMPC-J	70.5 EMPC-J	23 U	36.5 U	622 U	38 U	38.4 U	17.8 U	209 U	30 U	30.5 U
13B-0519-G1AR	EB	119 J	147 J	21.7 U	38.8 U	398 U	40.5 U	40.8 U	20.1 U	178 U	32 U	32.4 U
13B-0525-C2XR	EB	174	62	3.65	22.3	1000	39.1	8.68	1.23	374	4.8	33.9
13B-0525-G1AR	EB	103	50.6	4.38	14.5	520	19	7.62	1.45	220	3.46	20.7
13B-0530-C4CR	EB	23.9 U	14 U	5.21 U	3.74 U	54.9 U	3.72 U	3.51 U	2.46 U	38.6	2.84 U	2.86 U
13B-0548-C1AR	EB	163 EMPC-J	31.6 U	19.7 U	24.5 U	262 U	25.6 U	25.8 U	12.3 U	147 U	20.2 U	20.5 U
13B-0548-C3XR	EB	593	41.5 U	29.1 U	32.7 U	413 U	28.8 U	30.9 U	18.3 U	146 UJ	25.9 U	26.5 U
13B-0548-G1AR	EB	2860	157 EMPC-J	80.8 U	55.7 U	723 U	49.1 U	52.7 U	41.6 U	351 U	44.1 U	45.2 U
13B-0550-C3XR	EB	45.1 J	92.7 U	4.99 J	5.22 U	304	5.27 U	4.97 U	1.86 U	56.3 U	4.22 U	4.24 U
13B-0550-G1AR	EB	24.2 EMPC-J	38.7 U	7.9 UJ	7.86 U	204 U	7.94 U	7.48 U	3.59 U	46.6 U	6.35 U	6.39 U
13B-0570-G3AR	EB	1080	221 J	124 UJ	71.8 U	13300	346 EMPC-J	68.5 U	37.8 U	7440	59.7 U	613
13B-0571-C4XR	EB	232	61.5 U	17.3 UJ	10.1 U	355	8.48 U	9.67 U	6.84 U	195	8.43 U	8.32 U
13B-0573-C4AR	EB	54.3	16.3 U	4.39 UJ	3.87 U	102	3.24 U	3.69 U	2.5 U	52.8	3.22 U	3.18 U
13B-0575-C4XR	EB	185 EMPC-J	84.3 U	64.8 U	43.8 U	492 U	38.6 U	41.4 U	29.2 U	340 U	34.7 U	35.6 U
13B-0575-G1AR	EB	651 J	122 J	51.1 U	47.6 U	1610 UJ	41.9 U	45 U	26.3 U	1440 J	37.7 U	121 J
13B-0576-G3AR	EB	234	9.01 U	6.33 U	5.72 U	77.1 U	5.04 U	5.41 U	3.35 U	38.8 U	4.53 U	4.65 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-108	PCB-109	PCB-11	PCB-110	PCB-111	PCB-112	PCB-113	PCB-114	PCB-115	PCB-116	PCB-117	PCB-118
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	289	30.9 J	125 U	434	4.05 U	4.22 U	414	10.6 EMPC-J	5.01 U	61.7 J	9.88 EMPC-J	384
13B-0501-G2AR	EB	113 J	9.64 EMPC-J	68.8 U	168	4.27 U	4.44 U	158	4.8 U	5.28 U	28.4 J	5.05 U	153
13B-0505-C2XR	EB	1210	112	145 U	1800	6.05 U	6.3 U	1810	40	7.49 U	260	55.7	1540
13B-0505-G2AR	EB	139 J	13.2 J	79.6 U	212	3.75 U	3.9 U	213	5.21 EMPC-J	4.64 U	33.8 J	5.59 EMPC-J	212
13B-0511-C1GR	EB	44.8 J	2.05 U	43.6 UJ	2.35 U	2 U	2.09 U	54.1 J	2.48 U	1.98 U	72.9	8.64 J	45.3
13B-0516-C3XR	EB	251	27.3	492	423	3.23	3.6	366	9.41	6.2	59.9	10.3	338
13B-0518-G1AR	EB	118	17.7	77.6	243	1.82	2.02	158	8.07	4.48	32.3	5.55	224
13B-0519-C5XR	EB	410 U	28 U	403 U	584 U	27.5 U	29.7 U	622 U	32.9 U	30.6 U	138 U	28.5 U	484 U
13B-0519-G1AR	EB	322 U	29.8 U	376 U	444 U	29.2 U	31.6 U	398 U	34.3 U	32.5 U	72.4 U	30.3 U	364 U
13B-0525-C2XR	EB	666	71.2	312	1170	4.5	5.01	1000	27	24.2	157	49.4	958
13B-0525-G1AR	EB	350	42.3	119	645	3.24	3.61	520	14.7	15.6	87.3	15.8	551
13B-0530-C4CR	EB	45.6 J	4.8 J	72.7 UJ	72.9	2.66 U	2.76 U	54.9 U	2.93 U	3.29 U	13.2 J	3.14 U	75.9
13B-0548-C1AR	EB	250 U	18.8 U	293 U	402 U	18.5 U	20 U	262 U	21.7 U	20.5 U	52.7 U	19.1 U	302 U
13B-0548-C3XR	EB	282 U	24.5 U	868 EMPC-J	558 U	23.8 U	25 U	413 U	28.6 U	25.1 U	86.2 J	26.6 U	456 U
13B-0548-G1AR	EB	505 U	41.8 U	757 EMPC-J	960 U	40.5 U	42.5 U	723 U	50.2 U	42.7 U	133 J	45.4 U	839 U
13B-0550-C3XR	EB	147 J	11.2 EMPC-J	484 UJ	236 U	3.98 U	4.02 U	304 U	3.93 U	4.37 U	27.8 J	4.87 U	182 U
13B-0550-G1AR	EB	103 U	6.09 U	382 UJ	159 U	5.99 U	6.06 U	204 U	6.16 U	6.59 U	18.8 J	7.33 U	126 U
13B-0570-G3AR	EB	10700	1070	740 J	18300	53.6 U	56 U	13300	509	53.1 U	2660	408 J	15500
13B-0571-C4XR	EB	297	29.4 J	451 J	527	7.57 U	7.91 U	355	8.24 U	7.5 U	86.1	8.56 U	406
13B-0573-C4AR	EB	86.6	2.96 U	43.6 UJ	157	2.89 U	3.02 U	102	3.52 U	2.86 U	22.8	3.27 U	121
13B-0575-C4XR	EB	456 U	32.9 U	513 J	684 U	31.9 U	33.5 U	492 U	42.3 U	33.6 U	82.4 EMPC-J	35.7 U	631 U
13B-0575-G1AR	EB	1260 J	181 EMPC-J	716 J	2510 UJ	34.6 U	36.3 U	1610 UJ	72.8 EMPC-J	36.5 U	318 J	38.8 U	2730 J
13B-0576-G3AR	EB	55.6 U	4.29 U	47.4 J	106 U	4.16 U	4.37 U	77.1 U	4.68 U	4.39 U	13.2 J	4.66 U	86.7 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-119	PCB-12	PCB-120	PCB-121	PCB-122	PCB-123	PCB-124	PCB-125	PCB-126	PCB-127	PCB-128	PCB-129
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	289	10.2 U	4.05 U	4.13 U	5.57 EMPC-J	7.28 EMPC-J	14.4 J	289	6.55 U	4.45 U	83.1 J	550
13B-0501-G2AR	EB	113 J	7.94 U	4.27 U	4.35 U	4.95 U	4.83 U	4.59 U	113 J	5.91 U	4.46 U	24.8 J	171
13B-0505-C2XR	EB	1210	16.2 J	6.06 U	6.17 U	22.7 J	29.2 J	65.8 J	1210	7.7 U	7.04 U	326	2140
13B-0505-G2AR	EB	139 J	6.31 U	3.75 U	3.82 U	4.23 U	4.24 U	7.86 J	139 J	4.98 U	4.22 U	47.8 J	351
13B-0511-C1GR	EB	44.8 J	3.57 UJ	1.98 U	2.01 U	2.56 U	2.29 U	2.2 U	44.8 J	2.38 U	2.34 U	7.27 EMPC-J	53.5 J
13B-0516-C3XR	EB	251	22.9	3.36	3.39	5.57	7.43	12.4	251	3.73	3.92	53.6	359
13B-0518-G1AR	EB	118	4.28	1.89	1.9	4.28	4.88	8.69	118	1.67	1.73	63.7	350
13B-0519-C5XR	EB	410 U	47.2 U	27.2 U	27.5 U	34.5 U	32.7 U	30.5 U	410 U	45.6 U	34.1 U	56.4 U	598 U
13B-0519-G1AR	EB	322 U	38.5 U	28.9 U	29.3 U	35.9 U	34.8 U	32.4 U	322 U	52.8 U	32.8 U	68.4 U	501 U
13B-0525-C2XR	EB	666	20	4.67	4.71	12.6	18.9	33.9	666	3.24	5.03	133	923
13B-0525-G1AR	EB	350	4.79	3.37	3.4	9.02	10.9	20.7	350	4.01	3.65	93.7	687
13B-0530-C4CR	EB	45.6 J	4.68 U	2.66 U	2.71 U	3.02 U	3.01 U	2.86 U	45.6 J	4.81 U	3 U	14.3 J	106
13B-0548-C1AR	EB	250 U	32.2 U	18.3 U	18.5 U	22.8 U	22 U	20.5 U	250 U	31 U	22.9 U	17.9 U	419 U
13B-0548-C3XR	EB	282 U	46.8 U	24.1 U	24.1 U	28.4 U	27.9 U	26.5 U	282 U	36.1 U	29.1 U	70.2 U	514 U
13B-0548-G1AR	EB	505 U	93.8 U	41 U	41.1 U	49.8 U	47.5 U	45.2 U	505 U	70.8 U	49.3 U	150 U	1090 U
13B-0550-C3XR	EB	147 U	17.1 J	3.9 U	3.92 U	4.58 U	4.03 U	4.24 U	147 U	4.06 U	4.38 U	25 J	274 U
13B-0550-G1AR	EB	103 U	8.99 UJ	5.87 U	5.91 U	7.18 U	6.07 U	6.39 U	103 U	6.38 U	7.14 U	27.1 J	281 U
13B-0570-G3AR	EB	10700	92.8 UJ	53.2 U	54 U	297 J	306 EMPC-J	613	10700	71.3 U	60.5 U	2750	17200
13B-0571-C4XR	EB	297	10.7 UJ	7.52 U	7.62 U	8.52 U	8.66 U	8.32 U	297	7.61 U	8.04 U	81.4	506
13B-0573-C4AR	EB	86.6	8.01 UJ	2.87 U	2.91 U	3.63 U	3.31 U	3.18 U	86.6	3.24 U	3.41 U	19	138
13B-0575-C4XR	EB	456 U	93.4 U	32.3 U	32.3 U	42 U	37.4 U	35.6 U	456 U	52.7 U	40 U	127 U	771 U
13B-0575-G1AR	EB	1260 J	99.9 U	35.1 U	35.1 U	63.6 EMPC-J	40.6 U	121 J	1260 J	59.8 U	41.2 U	727	4250 U
13B-0576-G3AR	EB	55.6 U	8.34 U	4.21 U	4.22 U	4.65 U	4.88 U	4.65 U	55.6 U	7.38 U	4.78 U	20.5 U	119 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-13	PCB-130	PCB-131	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137	PCB-138	PCB-139
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	10.2 U	35.4 J	5.09 EMPC-J	166	7.87 EMPC-J	20.7 EMPC-J	159	62.2	20.4 EMPC-J	550	7.79 J
13B-0501-G2AR	EB	7.94 U	8.52 EMPC-J	3.88 U	55.2	3.67 U	11.8 EMPC-J	62.7 J	24.8 J	8.18 J	171	3.32 U
13B-0505-C2XR	EB	16.2 J	126	23.1 EMPC-J	673	33.5 J	133	579	213	99.5	2140	36.7 J
13B-0505-G2AR	EB	6.31 U	17.5 EMPC-J	3.22 U	92	5.52 EMPC-J	16.3 J	88.7 J	33.8 J	14.1 J	351	2.76 U
13B-0511-C1GR	EB	3.57 UJ	3.05 U	3 U	21.3 J	2.81 U	3.09 U	18.5 J	6.88 EMPC-J	2.56 U	53.5 J	2.59 U
13B-0516-C3XR	EB	22.9	19.1	3.25	113	4.98	18.5	125	44.6	20.4	359	2.81
13B-0518-G1AR	EB	4.28	16.7	4.05	94.5	3.5	12.5	79.9	26.1	13	350	3.79
13B-0519-C5XR	EB	47.2 U	41.6 J	29.6 U	181 U	26.7 U	32.2 U	195 U	84.9 U	26.7 U	598 U	24.4 U
13B-0519-G1AR	EB	38.5 U	28.7 U	28.2 U	183 U	25.4 U	30.7 U	170 U	53.3 U	25.4 U	501 U	23.2 U
13B-0525-C2XR	EB	20	59.1	14.3	309	14.5	59.4	313	128	47.7	923	16.4
13B-0525-G1AR	EB	4.79	42.2	8.74	202	12.8	37.9	205	70	27.1	687	10.5
13B-0530-C4CR	EB	4.68 U	4.99 EMPC-J	2.9 U	33.6	2.75 U	3.69 U	22.8 EMPC-J	9.79 J	2.47 U	106	2.49 U
13B-0548-C1AR	EB	32.2 U	34.5 J	15.7 U	147 U	14.2 U	19.6 EMPC-J	143 U	43.9 U	14.2 U	419 U	13 U
13B-0548-C3XR	EB	46.8 U	44.1 U	21.4 U	167 U	19.9 U	24.5 U	150 U	61.8 U	30.3 J	514 U	18.2 U
13B-0548-G1AR	EB	93.8 U	48.9 U	35.3 U	322 U	32.8 U	40.3 U	362 U	128 U	29.8 U	1090 U	29.9 U
13B-0550-C3XR	EB	17.1 J	14.6 J	3.6 U	89.5 U	3.42 U	15.6 J	101 U	37.5 U	7.01 EMPC-J	274 U	5.08 EMPC-J
13B-0550-G1AR	EB	8.99 UJ	13.6 J	7.63 U	83.3 U	7.24 U	13.4 EMPC-J	104 U	34.2 U	6.44 U	281 U	6.81 U
13B-0570-G3AR	EB	92.8 UJ	1140	213 J	4860	223 J	786	4150	1460	678 EMPC-J	17200	283
13B-0571-C4XR	EB	10.7 UJ	29.7 J	8.92 U	181	8.36 U	29.2 J	125	47.1 J	28.4 J	506	7.7 U
13B-0573-C4AR	EB	8.01 UJ	12.2 J	3.51 U	52.3	3.29 U	3.61 U	43.5	15.6 J	2.99 U	138	3.03 U
13B-0575-C4XR	EB	93.4 U	41.8 U	39.6 U	223 U	36.8 U	45.2 U	150 U	66 U	33.5 U	771 U	33.5 U
13B-0575-G1AR	EB	99.9 U	284 J	38 EMPC-J	1110 U	44.7 EMPC-J	160 U	644 U	221 U	138 J	4250 U	30 EMPC-J
13B-0576-G3AR	EB	8.34 U	9.45 U	4.52 U	36.1 U	4.2 U	7.02 U	36.3 U	8.97 U	7.79 EMPC-J	119 U	3.83 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-14	PCB-140	PCB-141	PCB-142	PCB-143	PCB-144	PCB-145	PCB-146	PCB-147	PCB-148	PCB-149	PCB-15
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	8.93 U	7.79 J	96.6	5.13 U	4.19 U	24.6 J	3.02 U	76.5	421	4.39 U	421	31.2 J
13B-0501-G2AR	EB	6.94 U	3.32 U	30.2 EMPC-J	3.96 U	3.24 U	7.04 EMPC-J	2.76 U	23.5 EMPC-J	151 U	3.39 U	151 U	13.9 J
13B-0505-C2XR	EB	7.64 U	36.7 J	374	4.88 U	3.99 U	90.5	2.85 U	254	1560	4.18 U	1560	56.2 J
13B-0505-G2AR	EB	5.51 U	2.76 U	69.6	3.29 U	2.69 U	12.2 J	2 U	39.7 J	240	2.82 U	240	16.3 J
13B-0511-C1GR	EB	3.12 UJ	2.59 U	10.5 J	2.94 U	2.93 U	2.73 U	2.01 U	8.44 EMPC-J	48.3 J	2.65 U	48.3 J	10.5 J
13B-0516-C3XR	EB	2.82	2.81	65.5	3.32	3.01	14.6	2.06	53.7	272	2.93	272	80.5
13B-0518-G1AR	EB	1.66	3.79	56.6	1.21	1.1	12.1	0.807	49.9	201	1.07	201	24.5
13B-0519-C5XR	EB	39.5 U	24.4 U	109 U	28.8 U	26.3 U	25 U	19.4 U	85.2 EMPC-J	442 U	24.9 U	442 U	124 J
13B-0519-G1AR	EB	32.2 U	23.2 U	88.1 U	27.5 U	25 U	23.8 U	19.3 U	92.9 J	401 U	23.7 U	401 U	153 J
13B-0525-C2XR	EB	2.45	16.4	166	1.74	1.57	40.9	1.29	134	704	1.53	704	98.6
13B-0525-G1AR	EB	4.16	10.5	125	1.92	2.31	29.9	1.39	103	505	1.69	505	35.3
13B-0530-C4CR	EB	4.09 U	2.49 U	23 J	2.96 U	2.42 U	2.56 U	1.76 U	9.69 EMPC-J	68.1 U	2.54 U	68.1 U	14.7 J
13B-0548-C1AR	EB	27 U	13 U	57.4 U	15.3 U	14 U	26.1 J	9.95 U	41 J	302 U	13.2 U	302 U	33.7 U
13B-0548-C3XR	EB	40 U	18.2 U	82.4 U	21.3 U	19 U	18.8 U	13.5 U	70.5 U	390 U	18.6 U	390 U	75 J
13B-0548-G1AR	EB	80.2 U	29.9 U	176 U	35 U	31.3 U	58.9 U	24.1 U	286 U	976 U	30.6 U	976 U	215 J
13B-0550-C3XR	EB	4.51 UJ	5.08 EMPC-J	54 U	3.62 U	3.34 U	11.9 EMPC-J	2.6 U	46.2 U	226 U	3.21 U	226 U	54.7 J
13B-0550-G1AR	EB	8.03 UJ	6.81 U	57.5 U	7.66 U	7.07 U	15.4 J	5.32 U	37.1 U	227 U	6.81 U	227 U	30.5 J
13B-0570-G3AR	EB	81.2 UJ	283	2950	57.6 U	57.3 U	650 EMPC-J	40.8 U	2110	10500	51.8 U	10500	394 J
13B-0571-C4XR	EB	9.34 UJ	7.7 U	94.3	8.75 U	8.7 U	14.6 EMPC-J	5.55 U	64.4 J	340	7.86 U	340	49.3 J
13B-0573-C4AR	EB	7 UJ	3.03 U	25.9 J	3.44 U	3.42 U	3.19 U	2.46 U	20.8 J	108	3.09 U	108	8.3 UJ
13B-0575-C4XR	EB	79.9 U	33.5 U	136 U	39.3 U	35.2 U	34.8 U	26.4 U	52.9 U	441 U	34.3 U	441 U	174 J
13B-0575-G1AR	EB	85.4 U	30 EMPC-J	747 U	24.3 U	21.8 U	113 U	17.5 U	414 U	1900 U	21.3 U	1900 U	136 J
13B-0576-G3AR	EB	7.13 U	3.83 U	23.6 U	4.48 U	4.01 U	4.62 U	2.81 U	18.2 U	88.4 U	3.92 U	88.4 U	9.96 J

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-150	PCB-151	PCB-152	PCB-153	PCB-154	PCB-155	PCB-156	PCB-157	PCB-158	PCB-159	PCB-16
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	2.8 U	159	2.93 U	400	6.29 EMPC-J	2.97 U	70.2 J	70.2 J	50.3	4.54 U	75.9
13B-0501-G2AR	EB	2.56 U	62.7 J	2.68 U	139	3.04 U	2.72 U	21.6 J	21.6 J	16.2 J	4.32 U	17.9 U
13B-0505-C2XR	EB	6.12 EMPC-J	579	2.99 EMPC-J	1610	34.7 EMPC-J	9.97 J	270	270	205	21 J	159
13B-0505-G2AR	EB	1.85 U	88.7 J	1.94 U	280	6.02 J	1.97 U	45 J	45 J	32.3 J	2.81 U	22.5
13B-0511-C1GR	EB	1.89 U	18.5 J	1.94 U	43.8 J	2.46 U	1.96 U	5.34 J	5.34 J	5.97 EMPC-J	2.04 U	13 J
13B-0516-C3XR	EB	1.97	125	1.85	273	3.58	1.91	47.3	47.3	31.9	3.06	171
13B-0518-G1AR	EB	0.772	79.9	0.723	228	2.64	2.35	52.5	52.5	33.9	2	33.6
13B-0519-C5XR	EB	18.2 U	195 U	18.6 U	481 U	22.3 U	18.8 U	82.5 U	82.5 U	44.9 EMPC-J	38.1 U	142 U
13B-0519-G1AR	EB	18.1 U	170 U	18.4 U	417 U	21.3 U	18.6 U	74.2 U	74.2 U	63.3 EMPC-J	33.9 U	181 U
13B-0525-C2XR	EB	1.23	313	1.15	734	15.3	10.1	123	123	92.4	9.88	244
13B-0525-G1AR	EB	1.33	205	1.24	574	14.2	3.46	82.3	82.3	65.6	8.02	79.2
13B-0530-C4CR	EB	1.64 U	22.8 EMPC-J	1.71 U	79.1 U	2.28 U	1.73 U	11.6 EMPC-J	11.6 EMPC-J	9.08 J	2.46 U	28.2 J
13B-0548-C1AR	EB	9.34 U	143 U	9.51 U	282 U	11.9 U	9.63 U	52.4 U	52.4 U	53.7 J	15 U	59.1 U
13B-0548-C3XR	EB	12.9 U	150 U	13 U	434 U	16.7 U	13.6 U	63.6 U	63.6 U	55.7 U	32 U	165 J
13B-0548-G1AR	EB	23 U	362 U	23.1 U	1230 U	53.8 J	24.1 U	139 U	139 U	122 U	56.4 U	148 U
13B-0550-C3XR	EB	2.44 U	101 U	2.43 U	251 U	2.91 U	2.18 U	25.3 J	25.3 J	23.8 U	4.35 U	80.7
13B-0550-G1AR	EB	4.98 U	104 U	4.97 U	245 U	6.17 U	4.44 U	22.4 J	22.4 J	28.4 U	6.3 U	39.4 EMPC-J
13B-0570-G3AR	EB	38.4 U	4150	39.4 U	12400	48.1 U	39.8 U	2300	2300	1770	65.6 U	1730
13B-0571-C4XR	EB	5.23 U	125	5.35 U	361	7.3 U	5.41 U	76.7	76.7	59.8 J	8.12 U	93.8
13B-0573-C4AR	EB	2.32 U	43.5	2.38 U	108	2.87 U	2.4 U	16.1	16.1	16.1 J	2.98 U	23.8 J
13B-0575-C4XR	EB	25.2 U	150 U	25.4 U	578 U	30.8 U	26.4 U	127 U	127 U	95.6 U	36 U	163 EMPC-J
13B-0575-G1AR	EB	16.7 U	644 U	16.8 U	2860 U	43.1 J	17.5 U	717 U	717 U	454 U	58.1 U	217 EMPC-J
13B-0576-G3AR	EB	2.68 U	36.3 U	2.71 U	106 U	3.52 U	2.82 U	16 U	16 U	9.73 U	5.53 U	14.6 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-160	PCB-161	PCB-162	PCB-163	PCB-164	PCB-165	PCB-166	PCB-167	PCB-168	PCB-169	PCB-17	PCB-170
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	3.42 U	3.32 U	4.4 U	550	38.6 J	3.63 U	83.1 J	19.2 J	400	10.2 U	87	150
13B-0501-G2AR	EB	2.64 U	2.56 U	4.18 U	171	11.8 J	2.8 U	24.8 J	6.29 J	139	7.48 U	13.6 U	45.8
13B-0505-C2XR	EB	3.26 U	3.16 U	8.04 EMPC-J	2140	143	3.46 U	326	87.1	1610	16.2 U	185	488
13B-0505-G2AR	EB	2.19 U	2.13 U	2.73 U	351	21.9 J	2.33 U	47.8 J	16.1 J	280	7.63 U	25.1 J	111
13B-0511-C1GR	EB	2.18 U	2.06 U	2.01 U	53.5 J	2.13 U	2.32 U	7.27 EMPC-J	2.2 U	43.8 J	3.75 U	11.6 J	14.8 J
13B-0516-C3XR	EB	2.36	2.16	3.14	359	19	2.35	53.6	14.3	273	6.55	180	77.4
13B-0518-G1AR	EB	0.862	0.789	2.06	350	24.5	0.858	63.7	17.1	228	2.92	30.8	119
13B-0519-C5XR	EB	21.7 U	19.8 U	38 U	598 U	29.2 J	21.2 U	56.4 U	42.1 U	481 U	128 UJ	166 U	149 U
13B-0519-G1AR	EB	20.7 U	18.8 U	33.9 U	501 U	17.9 U	20.2 U	68.4 U	37.5 U	417 U	143 UJ	224 U	209 U
13B-0525-C2XR	EB	1.23	1.13	4.73	923	55.3	1.23	133	36.1	734	5.48	235	194
13B-0525-G1AR	EB	1.36	1.25	4.96	687	48.3	1.36	93.7	28.2	574	10.2	68.8	179
13B-0530-C4CR	EB	1.98 U	1.92 U	2.38 U	106	6.03 EMPC-J	2.1 U	14.3 J	5.16 J	79.1 U	7.39 UJ	24.8 J	41.9
13B-0548-C1AR	EB	11.5 U	10.5 U	15 U	419 U	22.9 EMPC-J	11.3 U	17.9 U	16.6 U	282 U	90 UJ	62.8 U	97.6 U
13B-0548-C3XR	EB	15.9 U	14.9 U	31.9 U	514 U	30.4 U	15.8 U	70.2 U	34.9 U	434 U	113 U	106 EMPC-J	149 U
13B-0548-G1AR	EB	26.2 U	24.4 U	56.2 U	1090 U	56.9 U	25.9 U	150 U	61.5 U	1230 U	143 U	206 J	438 U
13B-0550-C3XR	EB	2.72 U	2.53 U	4.26 U	274 U	16.1 U	2.82 U	25 J	7.79 EMPC-J	251 U	9.07 U	74.1	46.5 U
13B-0550-G1AR	EB	5.76 U	5.35 U	6.18 U	281 U	22.3 U	5.98 U	27.1 J	5.9 U	245 U	22.3 UJ	35.8 J	64.9 U
13B-0570-G3AR	EB	42.6 U	40.2 U	64.4 U	17200	1200	45.3 U	2750	736	12400	169 U	1220	4490
13B-0571-C4XR	EB	6.47 U	6.11 U	7.98 U	506	35 J	6.89 U	81.4	24.5 J	361	15.1 U	69.9 J	149
13B-0573-C4AR	EB	2.55 U	2.41 U	2.92 U	138	10.4 J	2.71 U	19	7.54 J	108	6.11 U	21.1 J	38.1
13B-0575-C4XR	EB	29.4 U	27.4 U	35.8 U	771 U	28.8 U	29.1 U	127 U	39.2 U	578 U	108 U	165 EMPC-J	241 U
13B-0575-G1AR	EB	18.2 U	17 U	57.9 U	4250 U	332 U	18 U	727	228 J	2860 U	295 U	190 J	1320 U
13B-0576-G3AR	EB	3.36 U	3.13 U	5.51 U	119 U	9.59 U	3.33 U	20.5 U	6.03 U	106 U	14.5 U	10.4 EMPC-J	47.1 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-171	PCB-172	PCB-173	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-18	PCB-180
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	46.1 J	26.8 J	46.1 J	187	7.05 U	19.8 J	84.8 EMPC-J	38.1 J	73.3	144	404
13B-0501-G2AR	EB	17.5 J	6.67 U	17.5 J	60.2 U	6.11 U	6.8 EMPC-J	31 J	16.5 J	25.5 J	28.8 J	130 U
13B-0505-C2XR	EB	157	88.6 EMPC-J	157	620	23.6 EMPC-J	68.2	342	113	246	324	1240
13B-0505-G2AR	EB	33.4 J	18.3 J	33.4 J	123	4.99 EMPC-J	13.1 J	70.1	22.9 J	45.7 J	42.3 J	284
13B-0511-C1GR	EB	4.47 U	4.31 U	4.47 U	11.6 J	3.98 U	1.94 U	4.46 U	2.81 U	7.42 J	22.5 J	27.6 EMPC-J
13B-0516-C3XR	EB	27.3	15.9	27.3	102	3.7	7.61	55.5	20.3	37.9	343	200
13B-0518-G1AR	EB	40.1	25.3	40.1	124	4.62	10.8	63.4	19.2	36.4	52.6	275
13B-0519-C5XR	EB	43.3 U	42.1 U	43.3 U	213 U	38.2 U	17.4 U	88.3 U	35.8 EMPC-J	76.2 U	292 U	357 U
13B-0519-G1AR	EB	46.5 U	45.3 U	46.5 U	194 U	41.1 U	18.8 U	113 U	28.5 U	86.3 U	417 U	373 U
13B-0525-C2XR	EB	67.8	37.3	67.8	247	10	29.3	141	51	98.1	413	509
13B-0525-G1AR	EB	54.5	30	54.5	209	7.02	23.8	123	46.7	82.9	124	429
13B-0530-C4CR	EB	10.4 J	4.19 U	10.4 J	50 U	3.84 U	4.49 EMPC-J	27.7 J	7.97 J	16.7 J	44.5 EMPC-J	103 U
13B-0548-C1AR	EB	23.4 U	22.7 U	23.4 U	140 U	20.6 U	9.34 U	62 U	14.1 U	35 U	113 U	258 U
13B-0548-C3XR	EB	29.8 U	29.4 U	29.8 U	216 U	27 U	13.5 U	112 U	82.9 U	90.5 U	242 J	692 U
13B-0548-G1AR	EB	125 U	173 U	125 U	862 U	51.9 U	61.9 U	371 U	300 U	351 U	344 J	2960 U
13B-0550-C3XR	EB	16.4 EMPC-J	5.35 U	16.4 EMPC-J	66.9 U	4.94 U	5.21 EMPC-J	34.4 J	12.9 J	24 U	145 U	116 U
13B-0550-G1AR	EB	30.3 J	10 EMPC-J	30.3 J	79.3 U	8.4 U	10.4 EMPC-J	42.6 J	14.4 EMPC-J	29.1 U	77.5 U	144 U
13B-0570-G3AR	EB	1320	955	1320	4910	75.3 U	486 J	2590	918	1700	2280	10500
13B-0571-C4XR	EB	46.2	22.3 J	46.2	168	10.8 U	15.4 EMPC-J	84.2 J	24.6 EMPC-J	44.5 J	150	341
13B-0573-C4AR	EB	9.51 EMPC-J	4.24 U	9.51 EMPC-J	41.8	3.91 U	2.41 U	24 J	8.77 J	19.5 J	44	90.1
13B-0575-C4XR	EB	48.3 U	47.7 U	48.3 U	236 U	43.8 U	28 U	115 U	42 U	72.3 U	420 J	526 U
13B-0575-G1AR	EB	360 U	265 U	360 U	1200 U	35.7 U	95.3 U	684 U	258 U	338 U	351 EMPC-J	3200 U
13B-0576-G3AR	EB	12.6 U	9.33 U	12.6 U	55.6 U	6.51 U	4.52 U	22.1 U	8.29 U	15.1 U	21.8 J	127 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-181	PCB-182	PCB-183	PCB-184	PCB-185	PCB-186	PCB-187	PCB-188	PCB-189	PCB-19	PCB-190	PCB-191
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	6.9 U	6.47 U	96.5	3.76 U	16.3 J	3.62 U	230	3.51 U	8.3 J	17.9 U	34.7 J	5.46 U
13B-0501-G2AR	EB	5.98 U	5.61 U	31.1 J	3.72 U	7.02 EMPC-J	3.58 U	82.5 U	3.47 U	3.77 U	16.3 U	10.8 J	4.73 U
13B-0505-C2XR	EB	6.2 U	5.81 U	361	3.58 U	60.2	3.45 U	780	3.34 U	19 J	31.6 J	98.3	21.2 J
13B-0505-G2AR	EB	4.84 U	4.54 U	69.1	2.43 U	12.9 J	2.34 U	158	2.27 U	5.11 J	11.1 U	23.7 J	3.83 U
13B-0511-C1GR	EB	3.99 U	3.72 U	6.26 EMPC-J	2.15 U	4.26 U	2.08 U	22.8 J	1.97 U	2.08 U	5.42 U	3.31 U	3.22 U
13B-0516-C3XR	EB	3.63	3.41	52	1.47	10.6	1.45	108	1.35	3.22	39.6	18.4	2.77
13B-0518-G1AR	EB	1.73	1.63	55.5	1.08	11.5	1.06	164	0.981	5.95	7.1	23.9	4.77
13B-0519-C5XR	EB	37.8 U	35.2 U	106 U	20 U	36.1 U	19 U	240 U	18.1 U	34.3 U	54.9 U	36.1 EMPC-J	31.5 U
13B-0519-G1AR	EB	40.7 U	37.9 U	99.9 U	21.7 U	38.8 U	20.6 U	270 U	19.6 U	42.6 U	61.1 U	38.8 U	33.8 U
13B-0525-C2XR	EB	3.11	2.93	115	1.51	46	1.49	308	1.38	9.35	39.3	36.2	8.54
13B-0525-G1AR	EB	3.9	3.67	119	1.79	14.8	1.76	238	1.64	6.57	14.8	31.2	7.89
13B-0530-C4CR	EB	3.76 U	3.52 U	24.4 J	2.28 U	6.1 J	2.19 U	55 U	2.13 U	3.15 U	11.8 U	7.32 J	2.97 U
13B-0548-C1AR	EB	20.4 U	19 U	69.1 U	10.8 U	19.5 U	10.2 U	172 U	9.74 U	21.9 U	43.6 U	18.1 U	17 U
13B-0548-C3XR	EB	26.8 U	24.7 U	159 U	15.2 U	24.4 U	14.6 U	502 U	14.2 U	32.2 U	58.8 U	21.3 U	21.9 U
13B-0548-G1AR	EB	51.5 U	47.5 U	706 U	34.1 U	130 U	32.6 U	2630 U	31.7 U	78.3 U	129 U	148 U	42.2 U
13B-0550-C3XR	EB	4.88 U	4.53 U	29.4 U	2.02 U	5.18 U	1.95 U	82.6 U	1.79 U	4.19 U	16.3 J	9.84 EMPC-J	4.1 U
13B-0550-G1AR	EB	8.31 U	7.7 U	34.1 U	4.43 U	8.93 J	4.28 U	78.3 U	3.94 U	6.86 U	10.9 U	16.2 J	6.97 U
13B-0570-G3AR	EB	75.5 U	70.4 U	2450	36.2 U	504	35.1 U	5260	33.3 U	228 J	105 U	951	184 J
13B-0571-C4XR	EB	10.8 U	10.1 U	84.7 J	6.52 U	17 EMPC-J	6.32 U	180	5.99 U	8.98 U	20.6 U	28.9 J	8.73 U
13B-0573-C4AR	EB	3.92 U	3.66 U	28.8 J	2.67 U	4.19 U	2.59 U	61.3	2.45 U	2.96 U	8.52 U	3.46 U	3.17 U
13B-0575-C4XR	EB	43.4 U	40 U	135 U	31.6 U	39.7 U	30.2 U	290 U	29.4 U	46 U	98.2 U	40.9 U	35.5 U
13B-0575-G1AR	EB	35.4 U	32.6 U	759 U	23.7 U	84 U	22.7 U	1460 U	22.1 U	75.5 J	78.2 U	259 U	38.9 J
13B-0576-G3AR	EB	6.46 U	5.95 U	33.5 U	3.25 U	5.9 U	3.1 U	71 U	3.02 U	6.49 U	12.7 U	5.33 U	5.29 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-192	PCB-193	PCB-194	PCB-195	PCB-196	PCB-197	PCB-198	PCB-199	PCB-2	PCB-20	PCB-200
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	5.76 U	404	146	48.8	74.4	4.51 U	193	193	22.2 J	329	18.9 J
13B-0501-G2AR	EB	5 U	130 U	43.5 J	14 J	23.6 J	4.26 U	64.1 EMPC-J	64.1 EMPC-J	7.59 U	79 J	4.48 U
13B-0505-C2XR	EB	5.17 U	1240	343	122	163	10.8 EMPC-J	390	390	5.93 U	744	38.4 EMPC-J
13B-0505-G2AR	EB	4.04 U	284	83.7	26.9 EMPC-J	40.3 J	3.25 EMPC-J	86.4 J	86.4 J	14.5 EMPC-J	89.7 EMPC-J	7.61 EMPC-J
13B-0511-C1GR	EB	3.38 U	27.6 EMPC-J	10.3 EMPC-J	3.75 U	6.49 J	2.23 U	12.6 EMPC-J	12.6 EMPC-J	13.1 J	45.3 J	2.65 U
13B-0516-C3XR	EB	2.96	200	63.9	22.4	32.7	1.97	93	93	163	418	6.84
13B-0518-G1AR	EB	1.42	275	104	37	48.3	5.43	139	139	105	140	7.47
13B-0519-C5XR	EB	33.2 U	357 U	145 EMPC-J	46.3 U	50.4 J	25.5 U	103 U	103 U	35.4 U	759 U	24.8 U
13B-0519-G1AR	EB	35.7 U	373 U	134 J	56.2 U	41.2 U	29.6 U	111 U	111 U	59.2 U	611 U	28.7 U
13B-0525-C2XR	EB	2.54	509	151	57	64.2	5.67	182	182	60	843	18.7
13B-0525-G1AR	EB	3.19	429	134	53.6	62.1	2.06	129	129	75.2	229	15.1
13B-0530-C4CR	EB	3.14 U	103 U	36.7	12.2 J	14 EMPC-J	2.35 U	35.6 J	35.6 J	27.5 J	57.9 J	2.47 U
13B-0548-C1AR	EB	17.9 U	258 U	99.6 J	27.8 U	37.2 J	12.4 U	124 U	124 U	33.8 U	170 U	12.1 U
13B-0548-C3XR	EB	22.8 U	692 U	542 U	79.2 U	227 U	15.8 U	765 U	765 U	41.8 U	416 U	59.7 U
13B-0548-G1AR	EB	43.9 U	2960 U	2610 U	455 U	1390 U	81.7 J	4270 U	4270 U	79.6 U	621 U	308 U
13B-0550-C3XR	EB	4.3 U	116 U	25.7 J	9.51 J	13.9 J	3.26 U	33 EMPC-J	33 EMPC-J	69.2 U	276 U	3.73 U
13B-0550-G1AR	EB	7.31 U	144 U	31.8 J	21.7 J	16.3 J	5.64 U	43 J	43 J	39.9 U	109 U	6.46 U
13B-0570-G3AR	EB	64 U	10500	3030	1150	1540	124 EMPC-J	3620	3620	228 J	10700	328 J
13B-0571-C4XR	EB	9.16 U	341	139	45.3 J	59.1 J	6.01 U	164	164	45.6 J	325	7.15 U
13B-0573-C4AR	EB	3.32 U	90.1	33.9	16.5 J	18.3 J	2.68 U	51.3	51.3	14.5 J	85.5	3.19 U
13B-0575-C4XR	EB	37 U	526 U	172 U	84.2 U	98.7 U	27.6 U	232 U	232 U	83.8 U	691 U	33.4 U
13B-0575-G1AR	EB	30.2 U	3200 U	985 UJ	348 UJ	442 U	33.3 EMPC-J	914 U	914 U	103 EMPC-J	792 U	75.5 U
13B-0576-G3AR	EB	5.51 U	127 U	62.2 U	15.9 U	31.7 U	3.56 U	91.1 U	91.1 U	8.68 U	31.9 U	6.87 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-201	PCB-202	PCB-203	PCB-204	PCB-205	PCB-206	PCB-207	PCB-208	PCB-21	PCB-22	PCB-23	PCB-24
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	24.7 J	65.3	138	4.84 U	7.65 EMPC-J	298	34.8 J	137	135	107	11.9 U	11.6 U
13B-0501-G2AR	EB	7.27 J	21.8 J	42.3 J	4.57 U	4.69 U	78.9	10.5 U	40.1 J	47.4 J	31.3 EMPC-J	10.2 U	10.6 U
13B-0505-C2XR	EB	53.6	102	256	4.11 U	15.2 J	295	35.8 J	111	247	212	10.2 U	9.38 U
13B-0505-G2AR	EB	11 EMPC-J	17.3 EMPC-J	59.9 J	2.51 U	4.16 U	73.4	7.28 EMPC-J	24.2 J	40.4 J	30.8 J	7.75 U	7.24 U
13B-0511-C1GR	EB	2.42 U	2.57 U	6.89 EMPC-J	2.58 U	2.94 U	11.5 J	4.16 U	6 J	23.6 J	15.2 J	3.31 U	3.43 U
13B-0516-C3XR	EB	12.8	26.3	50.7	2.05	2.99	86.9	8.4	38.3	204	134	4.3	6
13B-0518-G1AR	EB	11.8	23.3	73.7	1.26	4.79	114	12.2	41	59.9	37.2	2.11	1.96
13B-0519-C5XR	EB	24.6 U	35.2 EMPC-J	126 J	26.2 U	38.5 U	124 EMPC-J	51.1 U	58.9 EMPC-J	314 U	212 U	32.6 U	35.5 U
13B-0519-G1AR	EB	28.5 U	29.7 U	103 J	30.4 U	46.8 U	105 U	66.8 U	72.1 U	306 U	180 U	43.3 U	39.5 U
13B-0525-C2XR	EB	22.6	43.9	104	2.85	9.45	118	12.5	44.8	393	316	2.52	7.11
13B-0525-G1AR	EB	19.4	32.7	88.8	2.14	6.11	98.4	11.2	37.6	98.1	89	3.02	3.78
13B-0530-C4CR	EB	5 J	5.38 EMPC-J	24.6 J	2.52 U	2.93 U	25.8 J	5.11 U	8.77 J	30.9 J	14.7 EMPC-J	8.13 U	7.7 U
13B-0548-C1AR	EB	12 U	12.5 U	92.2 J	12.8 U	23.1 U	137 EMPC-J	34.8 U	57.9 J	80.8 U	54.5 U	25.4 U	28.2 U
13B-0548-C3XR	EB	81.2 U	204 U	622 U	18.4 U	37.1 U	1060 U	109 J	404	203 U	140 EMPC-J	41.1 U	36.1 U
13B-0548-G1AR	EB	466 U	1150	3180 U	42.9 U	82.8 U	5320	557	2290	269 U	177 EMPC-J	74.5 U	79.3 U
13B-0550-C3XR	EB	5.01 J	9.78 J	19.9 J	3.62 U	5.83 U	30.3 J	6.44 U	10 EMPC-J	136 U	72.6 U	5.92 U	4.89 U
13B-0550-G1AR	EB	5.87 U	6.48 U	17.5 J	6.28 U	9.02 U	23.2 EMPC-J	10.7 U	10.6 U	52.2 U	35.3 U	8.41 U	7.35 U
13B-0570-G3AR	EB	367 J	647	2100	52.2 U	177 EMPC-J	1760	205 J	535	6140	3580	114 U	66.6 U
13B-0571-C4XR	EB	6.55 U	26.8 J	94	6.97 U	12.2 U	162	12.5 U	53.9 J	182	101	16.3 U	13 U
13B-0573-C4AR	EB	6.26 J	13 J	32.1 J	3.11 U	4.42 U	52.2	5.32 U	24.6 J	42.2	29.6 J	5.8 U	5.39 U
13B-0575-C4XR	EB	29.7 U	57.5 U	188 U	32.2 U	66.3 U	195 U	48.8 U	99.2 J	347 U	256 J	68.1 U	60.3 U
13B-0575-G1AR	EB	116 U	208 U	667 U	24.5 U	45.9 U	766 U	114 J	268 J	378 U	269 J	58.2 U	48 U
13B-0576-G3AR	EB	9.16 U	20.6 U	65.4 U	4.16 U	7.28 U	162 U	13.2 J	64.9	22.4 U	14.3 J	8.15 U	7.82 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-25	PCB-26	PCB-27	PCB-28	PCB-29	PCB-3	PCB-30	PCB-31	PCB-32	PCB-33	PCB-34
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type											
13B-0501-C3XR	EB	36.3 EMPC-J	53.4 EMPC-J	13.7 J	329	53.4 EMPC-J	15.1 EMPC-J	144	264	61.4	135	11.8 U
13B-0501-G2AR	EB	10 U	12.9 J	9.79 U	79 J	12.9 J	7.68 U	28.8 J	59.9	9.28 U	47.4 J	10.2 U
13B-0505-C2XR	EB	103	126	33.4 J	744	126	11.9 J	324	564	137	247	10.1 U
13B-0505-G2AR	EB	8.34 EMPC-J	15.9 J	6.7 U	89.7 EMPC-J	15.9 J	18.6 J	42.3 J	73.1	16.2 J	40.4 J	7.71 U
13B-0511-C1GR	EB	3.25 U	6.65 J	3.34 U	45.3 J	6.65 J	18.8 U	22.5 J	34	7.98 J	23.6 J	3.44 U
13B-0516-C3XR	EB	32.5	63.1	23.2	418	63.1	132	343	345	96.2	204	4.42
13B-0518-G1AR	EB	8.94	15.6	3.55	140	15.6	86.6	52.6	81.3	19.2	59.9	2.17
13B-0519-C5XR	EB	82.7 J	112 J	34.5 U	759 U	112 J	35.8 U	292 U	576 U	110 U	314 U	32.4 U
13B-0519-G1AR	EB	41.3 U	85.6 EMPC-J	38.5 U	611 U	85.6 EMPC-J	133 U	417 U	532 U	113 U	306 U	43 U
13B-0525-C2XR	EB	75.7	124	32.2	843	124	64.4	413	664	158	393	3.9
13B-0525-G1AR	EB	16.5	30.4	9.54	229	30.4	65.9	124	150	51.3	98.1	3.1
13B-0530-C4CR	EB	7.96 U	10.5 J	7.12 U	57.9 J	10.5 J	17.1 J	44.5 EMPC-J	49.3	13.2 J	30.9 J	8.08 U
13B-0548-C1AR	EB	24.2 U	25.3 U	27.4 U	170 U	25.3 U	34.1 U	113 U	121 U	32.7 U	80.8 U	25.2 U
13B-0548-C3XR	EB	40.2 U	62.1 EMPC-J	35.4 U	416 U	62.1 EMPC-J	118 J	242 J	353 U	103 J	203 U	42 U
13B-0548-G1AR	EB	89.8 J	74.7 U	77.7 U	621 U	74.7 U	277 J	344 J	496 U	115 J	269 U	76.1 U
13B-0550-C3XR	EB	27.4 J	50.1 J	11.4 EMPC-J	276 U	50.1 J	66.3 U	145 U	241 U	44.8 J	136 U	6.13 U
13B-0550-G1AR	EB	10.1 EMPC-J	19.2 J	7.25 J	109 U	19.2 J	41.2 U	77.5 U	84.4 U	22.8 EMPC-J	52.2 U	8.71 U
13B-0570-G3AR	EB	695	1420	247 J	10700	1420	315 J	2280	8250	1000	6140	119 U
13B-0571-C4XR	EB	29.8 J	53.2	12.7 U	325	53.2	79.1 U	150	277	45.4 J	182	16.9 U
13B-0573-C4AR	EB	8.82 EMPC-J	13.9	5.24 U	85.5	13.9	20.8 U	44	61.2	15.5 J	42.2	6.03 U
13B-0575-C4XR	EB	66.6 U	95.1 EMPC-J	59.1 U	691 U	95.1 EMPC-J	187 J	420 J	558 U	135 J	347 U	69.5 U
13B-0575-G1AR	EB	56.9 U	105 EMPC-J	47.1 U	792 U	105 EMPC-J	117 EMPC-J	351 EMPC-J	634 U	134 J	378 U	59.4 U
13B-0576-G3AR	EB	7.97 U	8.17 U	7.66 U	31.9 U	8.17 U	8.8 U	21.8 J	24.5 U	7.23 U	22.4 U	8.32 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-35	PCB-36	PCB-37	PCB-38	PCB-39	PCB-4	PCB-40	PCB-41	PCB-42	PCB-43	PCB-44	PCB-45
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	12.2 U	11.3 U	101	12.2 U	10.9 U	22.6 J	204	17.3 EMPC-J	113	12.5 U	460	41.6 EMPC-J
13B-0501-G2AR	EB	10.5 U	9.73 U	45.9	10.5 U	9.4 U	14.6 J	78.7 J	10.7 U	42 J	10.2 U	126 J	22.5 J
13B-0505-C2XR	EB	19.2 J	9.66 U	177	10.4 U	9.34 U	38.4 J	480	40	283	35.3 J	1170	114
13B-0505-G2AR	EB	7.98 U	7.37 U	29.9 J	7.96 U	7.12 U	23.3 J	54 J	9.47 J	35.4 J	6.95 U	142 J	11.2 J
13B-0511-C1GR	EB	3.59 U	3.28 U	12.2 EMPC-J	3.46 U	3.13 U	7.89 UJ	17.6 J	3.25 U	9.88 J	3.27 U	40.8 J	3.17 U
13B-0516-C3XR	EB	13.1	4.19	104	4.24	4.03	154	166	34.8	102	16.8	352	56
13B-0518-G1AR	EB	7.67	2.06	66.9	2.08	1.98	18.2	61.2	11	34.5	4.93	105	10.6
13B-0519-C5XR	EB	36.5 U	31.2 U	205 U	33.6 U	30.7 U	82.5 J	270 U	56.4 J	176 U	37 U	641 U	83.8 EMPC-J
13B-0519-G1AR	EB	48.4 U	41.4 U	153 U	44.6 U	40.8 U	307 J	144 U	59.6 EMPC-J	113 U	51.9 U	434 U	48.5 U
13B-0525-C2XR	EB	26.3	2.45	310	2.49	6.13	64.2	470	80.8	277	31.8	901	102
13B-0525-G1AR	EB	9.56	2.94	105	2.98	2.83	24.6	157	21.2	79.5	9.82	289	24
13B-0530-C4CR	EB	8.37 U	7.72 U	13.3 J	8.35 U	7.46 U	32.7	19.4 EMPC-J	7.15 U	14.7 J	6.83 U	48.9 J	7.44 U
13B-0548-C1AR	EB	28.4 U	24.3 U	53.3 U	26.2 U	23.9 U	89.4 J	57 U	29.8 U	41.2 U	28.5 U	153 U	26.6 U
13B-0548-C3XR	EB	123 J	39.2 U	101 U	42.9 U	39.2 U	106 J	189 U	41.2 U	112 J	41.8 U	397 U	65.2 J
13B-0548-G1AR	EB	97.9 EMPC-J	71.1 U	182 U	77.8 U	71.1 U	136 U	187 U	70.1 U	114 EMPC-J	71.2 U	565 U	72.4 U
13B-0550-C3XR	EB	9.14 EMPC-J	5.77 U	37.3 U	6.19 U	5.5 U	76.5 J	92.4 J	16.1 J	54.9	6.5 U	253	26.1 J
13B-0550-G1AR	EB	8.82 U	8.2 U	24.6 U	8.8 U	7.81 U	33.2 J	42.8 U	9.98 U	26.7 EMPC-J	9.75 U	105 U	8.58 U
13B-0570-G3AR	EB	264 J	113 U	3840	119 U	108 U	199 UJ	6140	1390	3430	459 J	11000	1310
13B-0571-C4XR	EB	76.7 J	16.1 U	85.3 EMPC-J	17 U	15.4 U	61.9 J	132	24.9 J	77.6 J	13.5 U	285	31.7 EMPC-J
13B-0573-C4AR	EB	6.29 U	5.75 U	21.7 J	6.06 U	5.48 U	7.03 UJ	40.8	6.86 J	21.5 J	4.96 U	86.5	9.8 J
13B-0575-C4XR	EB	75.2 U	64.9 U	203 U	71.1 U	65 U	158 J	223 U	60.8 U	182 J	61.7 U	444 U	105 J
13B-0575-G1AR	EB	64.3 U	55.5 U	332 U	60.8 U	55.5 U	134 J	430 U	95.7 J	266 J	54.8 U	1010	119 J
13B-0576-G3AR	EB	9.01 U	7.77 U	18.7 U	8.51 U	7.78 U	12.5 J	21 U	6.99 U	9.62 J	7.1 U	42.3 U	7.22 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-46	PCB-47	PCB-48	PCB-49	PCB-5	PCB-50	PCB-51	PCB-52	PCB-53	PCB-54	PCB-55	PCB-56
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	19.8 EMPC-J	460	70.6	244	10.7 U	53.4 J	39.8 EMPC-J	411	53.4 J	7.88 U	9.23 U	203
13B-0501-G2AR	EB	11.2 U	126 J	25.4 J	63 J	8.32 U	10.4 J	8.41 U	101 EMPC-J	10.4 J	6.48 U	7.97 U	95
13B-0505-C2XR	EB	54.9	1170	180	687	9.15 U	150	139	1330	150	11.1 J	11.5 J	449
13B-0505-G2AR	EB	7.6 U	142 J	20.9 J	79.6 J	6.61 U	17 EMPC-J	17.8 J	137	17 EMPC-J	5.77 U	6.11 U	70.9
13B-0511-C1GR	EB	3.27 U	40.8 J	6.52 EMPC-J	18 EMPC-J	3.66 UJ	4.25 J	2.53 U	42.3	4.25 J	2.36 U	2.71 U	18.7 J
13B-0516-C3XR	EB	24.4	352	80.6	208	8.19	45.6	17.6	406	45.6	2.55	7.7	183
13B-0518-G1AR	EB	6.6	105	23.9	62	1.98	9.59	4.64	107	9.59	1.48	3.52	75.8
13B-0519-C5XR	EB	39 J	641 U	139 U	415 U	48.2 U	84.2 EMPC-J	35 J	799 U	84.2 EMPC-J	24.6 U	38.9 U	241 U
13B-0519-G1AR	EB	53.1 U	434 U	79.4 U	222 U	39.3 U	43 U	43.6 U	521 U	43 U	32.1 U	45.6 U	159 U
13B-0525-C2XR	EB	54.7	901	182	527	3.93	96.3	46.9	941	96.3	2.94	21.4	549
13B-0525-G1AR	EB	12.2	289	52.6	165	4.94	27	20.3	306	27	2.36	6.81	202
13B-0530-C4CR	EB	7.46 U	48.9 J	9.75 J	22.9 J	4.9 U	5.94 U	5.61 U	58.8	5.94 U	4.44 U	4.76 U	29.5 J
13B-0548-C1AR	EB	29.2 U	153 U	24 U	66.6 U	32.9 U	23.6 U	24 U	205 U	23.6 U	21 U	32.1 U	76.8 U
13B-0548-C3XR	EB	44 U	397 U	81.2 J	213 U	47.7 U	49 J	34.5 U	502 U	49 J	24.8 U	36.3 U	209 U
13B-0548-G1AR	EB	75 U	565 U	125 EMPC-J	325 U	95.5 U	84.7 EMPC-J	58.7 U	617 U	84.7 EMPC-J	53.8 U	80.5 U	192 U
13B-0550-C3XR	EB	12.1 J	253	40.2 J	146	5.43 UJ	26.8 J	10 EMPC-J	411	26.8 J	2.61 U	4.03 U	75.1 U
13B-0550-G1AR	EB	9.47 U	105 U	19.8 J	60.8 U	9.67 UJ	10.6 EMPC-J	8 U	144 U	10.6 EMPC-J	4.36 U	7.17 U	37 U
13B-0570-G3AR	EB	563	11000	2480	6060	95.1 UJ	868	289 J	10500	868	55.6 U	307 J	8650
13B-0571-C4XR	EB	17 J	285	55.3 J	145	11 UJ	35.2	12.5 J	351	35.2	8.88 U	10.5 U	163
13B-0573-C4AR	EB	4.95 U	86.5	13.5 EMPC-J	45.8	8.2 UJ	8.67	5.89 EMPC-J	82.4	8.67	3.37 U	3.82 U	44.1
13B-0575-C4XR	EB	65 U	444 U	108 EMPC-J	318 U	95.1 U	99.6 J	50.9 U	724 U	99.6 J	48.9 U	47 U	281 U
13B-0575-G1AR	EB	57.7 U	1010	171 EMPC-J	505 U	102 U	85.9 EMPC-J	45.2 U	1060 U	85.9 EMPC-J	44.5 U	62.6 U	642
13B-0576-G3AR	EB	7.48 U	42.3 U	6.19 U	17.4 U	8.49 U	6.06 U	5.85 U	44.6 U	6.06 U	5.03 U	6.8 U	25.2 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-57	PCB-58	PCB-59	PCB-6	PCB-60	PCB-61	PCB-62	PCB-63	PCB-64	PCB-65	PCB-66	PCB-67
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	9.19 U	8.79 U	30.6 J	17.8 J	53.9	649	30.6 J	12 EMPC-J	149	460	420	11.9 J
13B-0501-G2AR	EB	7.94 U	7.59 U	10.6 J	8.37 U	19.4 J	260	10.6 J	7.22 U	53	126 J	179	7.43 U
13B-0505-C2XR	EB	6.78 U	6.48 U	83.1 J	30.2 J	135	1700	83.1 J	36.9 J	374	1170	965	32.2 J
13B-0505-G2AR	EB	6.08 U	5.81 U	10.6 J	9.75 J	25 J	232 J	10.6 J	5.53 U	40.9 J	142 J	142	5.69 U
13B-0511-C1GR	EB	2.68 U	2.58 U	2.66 EMPC-J	3.72 UJ	10 J	64.4 J	2.66 EMPC-J	2.38 U	14.6 J	40.8 J	33.1	2.49 U
13B-0516-C3XR	EB	3.41	3.18	29.1	78.9	61.3	583	29.1	13.5	137	352	364	14.8
13B-0518-G1AR	EB	1.44	1.34	9.27	8.15	34.5	217	9.27	4.01	44.6	105	136	4.95
13B-0519-C5XR	EB	39.7 U	36.4 U	58.6 J	48.2 U	93.8 U	995 U	58.6 J	33.5 U	223 U	641 U	568 U	34.7 U
13B-0519-G1AR	EB	46.5 U	42.6 U	32.2 U	148 EMPC-J	105 U	587 U	32.2 U	39.3 U	145 U	434 U	291 U	40.6 U
13B-0525-C2XR	EB	5.87	3.53	76.8	43.3	220	1890	76.8	39.2	380	901	1160	38.4
13B-0525-G1AR	EB	4.47	4.17	22	14.5	76.7	641	22	12.5	122	289	394	14.3
13B-0530-C4CR	EB	4.74 U	4.53 U	5.52 J	15 J	8.24 J	78.3 J	5.52 J	4.31 U	17.1 J	48.9 J	47.8	4.44 U
13B-0548-C1AR	EB	32.7 U	30 U	17.7 U	32.9 U	31.6 U	221 U	17.7 U	27.7 U	57.3 U	153 U	113 U	28.6 U
13B-0548-C3XR	EB	34.7 U	34.7 U	26.6 U	48.4 U	73.7 J	630 U	26.6 U	31.6 U	150 U	397 U	396 U	33.1 U
13B-0548-G1AR	EB	77 U	77 U	45.3 U	96.9 U	96.6 EMPC-J	836 U	45.3 U	70.1 U	184 U	565 U	541 U	73.4 U
13B-0550-C3XR	EB	3.93 U	3.79 U	16.5 J	46.2 J	23.4 J	317 U	16.5 J	6.3 J	82.1 U	253	158 U	3.74 U
13B-0550-G1AR	EB	6.99 U	6.74 U	5.9 U	16.2 J	16.2 EMPC-J	148 U	5.9 U	6.42 U	34.1 U	105 U	82.1 U	6.65 U
13B-0570-G3AR	EB	81.1 U	77.8 U	997	96.7 UJ	3830	26800	997	536	4730	11000	16000	457 EMPC-J
13B-0571-C4XR	EB	10.4 U	9.96 U	20	27.3 J	73.7 J	554	20	12.7 J	105	285	306	9.64 U
13B-0573-C4AR	EB	3.79 U	3.64 U	5.75 EMPC-J	8.34 UJ	12.3 EMPC-J	140	5.75 EMPC-J	3.36 U	28.6 J	86.5	81.5	3.52 U
13B-0575-C4XR	EB	44.9 U	45 U	39.2 U	96.6 U	158 J	874 U	39.2 U	40.9 U	209 U	444 U	530 U	42.8 U
13B-0575-G1AR	EB	59.9 U	59.9 U	66.1 EMPC-J	103 U	305 EMPC-J	1970 U	66.1 EMPC-J	54.5 U	356 U	1010	1130 U	57.1 U
13B-0576-G3AR	EB	6.5 U	6.51 U	4.51 U	8.62 U	9.5 J	74.6 U	4.51 U	5.92 U	15.2 U	42.3 U	42.9 U	6.2 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-68	PCB-69	PCB-7	PCB-70	PCB-71	PCB-72	PCB-73	PCB-74	PCB-75	PCB-76	PCB-77	PCB-78	PCB-79
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type													
13B-0501-C3XR	EB	8.21 U	244	9.98 U	649	204	8.77 U	8.57 U	649	30.6 J	649	44.6	9.44 U	7.89 U
13B-0501-G2AR	EB	7.09 U	63 J	7.75 U	260	78.7 J	7.57 U	7 U	260	10.6 J	260	23.4 J	8.15 U	6.81 U
13B-0505-C2XR	EB	9.61 J	687	8.53 U	1700	480	14.1 J	6.85 U	1700	83.1 J	1700	102	6.97 U	5.82 U
13B-0505-G2AR	EB	5.43 U	79.6 J	6.16 U	232 J	54 J	5.8 U	4.76 U	232 J	10.6 J	232 J	20.7 J	6.25 U	5.22 U
13B-0511-C1GR	EB	2.38 U	18 EMPC-J	3.42 UJ	64.4 J	17.6 J	2.58 U	2.1 U	64.4 J	2.66 EMPC-J	64.4 J	2.94 U	2.8 U	2.33 U
13B-0516-C3XR	EB	5.87	208	16.2	583	166	3.27	2.46	583	29.1	583	44	3.57	2.63
13B-0518-G1AR	EB	1.32	62	1.88	217	61.2	1.36	1.08	217	9.27	217	34.4	1.51	3.29
13B-0519-C5XR	EB	35.9 U	415 U	45.1 U	995 U	270 U	37.8 U	23.9 U	995 U	58.6 J	995 U	47.1 U	41.9 U	33.3 U
13B-0519-G1AR	EB	42.1 U	222 U	36.8 U	587 U	144 U	44.3 U	33.5 U	587 U	32.2 U	587 U	58.8 U	49.2 U	39 U
13B-0525-C2XR	EB	9.91	527	7.09	1890	470	7.69	5.18	1890	76.8	1890	123	3.96	10.2
13B-0525-G1AR	EB	4.09	165	4.69	641	157	4.23	1.99	641	22	641	62.9	4.69	3.45
13B-0530-C4CR	EB	4.23 U	22.9 J	4.57 U	78.3 J	19.4 EMPC-J	4.52 U	4.67 U	78.3 J	5.52 J	78.3 J	10.6 J	4.87 U	4.06 U
13B-0548-C1AR	EB	29.6 U	66.6 U	30.8 U	221 U	57 U	31.2 U	18.4 U	221 U	17.7 U	221 U	45.1 J	34.6 U	27.4 U
13B-0548-C3XR	EB	32.3 U	213 U	45.1 U	630 U	189 U	36.5 U	28.5 U	630 U	26.6 U	630 U	59 EMPC-J	38.4 U	32 U
13B-0548-G1AR	EB	71.7 U	325 U	90.2 U	836 U	187 U	80.9 U	48.5 U	836 U	45.3 U	836 U	91.7 U	85.3 U	71.1 U
13B-0550-C3XR	EB	3.52 U	146	7.6 J	317 U	92.4 J	3.82 U	4.07 U	317 U	16.5 J	317 U	14.7 J	4.24 U	3.53 U
13B-0550-G1AR	EB	6.26 U	60.8 U	9.05 UJ	148 U	42.8 U	6.79 U	6.1 U	148 U	5.9 U	148 U	8.83 J	7.54 U	6.28 U
13B-0570-G3AR	EB	72 U	6060	89.1 UJ	26800	6140	78.1 U	47.5 U	26800	997	26800	1920	84.6 U	324 J
13B-0571-C4XR	EB	9.22 U	145	10.3 UJ	554	132	9.99 U	8.63 U	554	20	554	45 J	10.8 U	9 U
13B-0573-C4AR	EB	3.36 U	45.8	7.68 UJ	140	40.8	3.65 U	3.18 U	140	5.75 EMPC-J	140	11.9 EMPC-J	3.95 U	3.29 U
13B-0575-C4XR	EB	41.9 U	318 U	89.9 U	874 U	223 U	47.2 U	42.1 U	874 U	39.2 U	874 U	86.3 EMPC-J	49.8 U	41.5 U
13B-0575-G1AR	EB	55.8 U	505 U	96.1 U	1970 U	430 U	63 U	37.4 U	1970 U	66.1 EMPC-J	1970 U	350 J	66.3 U	55.3 U
13B-0576-G3AR	EB	6.06 U	17.4 U	8.03 U	74.6 U	21 U	6.83 U	4.84 U	74.6 U	4.51 U	74.6 U	8.71 U	7.2 U	6.01 U

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-8	PCB-80	PCB-81	PCB-82	PCB-83	PCB-84	PCB-85	PCB-86	PCB-87	PCB-88	PCB-89	PCB-9
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type												
13B-0501-C3XR	EB	57.2 J	7.96 U	9.83 U	53.2	22.5 J	117	61.7 J	289	289	6.52 U	6.46 U	11.3 U
13B-0501-G2AR	EB	26 J	6.88 U	8.49 U	26.4 J	7.68 U	47.3	28.4 J	113 J	113 J	6.87 U	6.8 U	8.79 U
13B-0505-C2XR	EB	93	5.88 U	7.26 U	221	70.6 EMPC-J	472	260	1210	1210	9.74 U	21.4 J	9.67 U
13B-0505-G2AR	EB	45.5 J	5.27 U	6.51 U	25.8 EMPC-J	19.5 J	44.8 J	33.8 J	139 J	139 J	6.03 U	5.98 U	6.98 U
13B-0511-C1GR	EB	14.5 EMPC-J	2.34 U	2.87 U	7.78 J	3.3 U	17.3 J	72.9	44.8 J	44.8 J	2.99 U	3.04 U	3.95 UJ
13B-0516-C3XR	EB	326	2.93	3.61	60.3	23.6	111	59.9	251	251	5.75	7.11	33.4
13B-0518-G1AR	EB	39.3	1.24	1.53	40.1	11	43.2	32.3	118	118	3.23	3.12	32.1
13B-0519-C5XR	EB	209 EMPC-J	33.5 U	43.3 U	46.9 U	47.3 U	172 U	138 U	410 U	410 U	40.8 U	42.7 U	51.2 U
13B-0519-G1AR	EB	672	39.2 U	50.8 U	49.9 U	50.4 U	114 U	72.4 U	322 U	322 U	43.4 U	45.4 U	98.5 J
13B-0525-C2XR	EB	193	3.26	5.65	159	53.8	336	157	666	666	7.99	18.2	15.9
13B-0525-G1AR	EB	91.2	3.85	4.74	85.1	28.8	130	87.3	350	350	5.76	9.24	14.4
13B-0530-C4CR	EB	34.7 EMPC-J	4.1 U	5.07 U	11 EMPC-J	4.78 U	15.5 EMPC-J	13.2 J	45.6 J	45.6 J	4.27 U	4.23 U	5.18 U
13B-0548-C1AR	EB	134 J	27.6 U	35.8 U	53 EMPC-J	31.8 U	92.3 U	52.7 U	250 U	250 U	27.4 U	28.7 U	61.2 J
13B-0548-C3XR	EB	248 J	31.4 U	40.9 U	41.2 U	39.5 U	124 J	86.2 J	282 U	282 U	38.9 U	36.4 U	51.2 U
13B-0548-G1AR	EB	423 J	69.6 U	90.7 U	141 EMPC-J	67.2 U	162 J	133 J	505 U	505 U	66.3 U	62 U	105 J
13B-0550-C3XR	EB	164 UJ	3.52 U	4.01 U	23.8 J	9.48 EMPC-J	64.5	27.8 J	147 U	147 U	5.76 U	5.86 U	26.8 J
13B-0550-G1AR	EB	84.3 UJ	6.26 U	7.13 U	15.5 J	9.58 U	30.7 EMPC-J	18.8 J	103 U	103 U	8.67 U	8.83 U	10.4 UJ
13B-0570-G3AR	EB	525 J	70.8 U	86.8 U	2420	748 EMPC-J	3480	2660	10700	10700	80.2 U	301 J	103 UJ
13B-0571-C4XR	EB	131 J	9.05 U	11.1 U	73.4 J	12.5 U	101	86.1	297	297	11.3 U	11.5 U	11.8 UJ
13B-0573-C4AR	EB	34.5 J	3.31 U	4.06 U	17.4 J	4.78 U	28.3 J	22.8	86.6	86.6	4.33 U	4.4 U	8.87 UJ
13B-0575-C4XR	EB	447 J	40.7 U	52.9 U	95.3 J	52.9 U	189 J	82.4 EMPC-J	456 U	456 U	52.2 U	48.8 U	102 U
13B-0575-G1AR	EB	305 J	54.2 U	70.5 U	330 J	75.7 EMPC-J	389 J	318 J	1260 J	1260 J	56.6 U	52.9 U	109 U
13B-0576-G3AR	EB	37.6 J	5.88 U	7.66 U	14.3 EMPC-J	6.91 U	19.8 EMPC-J	13.2 J	55.6 U	55.6 U	6.81 U	6.36 U	9.94 J

Appendix J
Analytical Results for PCB-Congeners in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		PCB-90	PCB-91	PCB-92	PCB-93	PCB-94	PCB-95	PCB-96	PCB-97	PCB-98	PCB-99
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type										
13B-0501-C3XR	EB	414	62.3	79.6	9.29 EMPC-J	6.27 U	297	6.51 EMPC-J	289	5.89 U	204
13B-0501-G2AR	EB	158	22.2 J	33.5 J	6.01 U	6.6 U	112	4.14 U	113 J	6.2 U	86.2
13B-0505-C2XR	EB	1810	225	327	59 EMPC-J	15.8 EMPC-J	1240	14.8 EMPC-J	1210	8.8 U	891
13B-0505-G2AR	EB	213	24.6 J	36.4 J	6.82 J	5.8 U	124	3 U	139 J	5.45 U	93.2
13B-0511-C1GR	EB	54.1 J	6.46 EMPC-J	9.67 J	2.68 U	2.95 U	38.5	2.01 U	44.8 J	3.49 U	27.3 J
13B-0516-C3XR	EB	366	46.6	66.3	7.44	5.49	265	3.61	251	6.17	197
13B-0518-G1AR	EB	158	15.5	31.8	2.63	3.09	93.3	1.09	118	3.47	88.6
13B-0519-C5XR	EB	622 U	66 U	106 U	36.5 U	44.9 U	474 U	18.6 U	410 U	37.7 U	285 U
13B-0519-G1AR	EB	398 U	37.3 U	84 U	38.8 U	47.8 U	282 U	20.9 U	322 U	40.1 U	166 U
13B-0525-C2XR	EB	1000	144	192	22.3	7.63	741	10.5	666	8.57	561
13B-0525-G1AR	EB	520	60.7	102	14.5	5.51	312	4.49	350	6.18	301
13B-0530-C4CR	EB	54.9 U	6.17 J	10.8 J	3.74 U	4.11 U	40.2 U	2.58 U	45.6 J	3.86 U	29.1 J
13B-0548-C1AR	EB	262 U	23.6 U	53.4 U	24.5 U	30.2 U	214 U	12.9 U	250 U	25.3 U	114 U
13B-0548-C3XR	EB	413 U	51.6 J	69.5 J	32.7 U	35.6 U	285 U	19.2 U	282 U	36.8 U	208 U
13B-0548-G1AR	EB	723 U	75 EMPC-J	115 J	55.7 U	60.7 U	413 U	43.6 U	505 U	62.7 U	356 U
13B-0550-C3XR	EB	304 U	25.2 EMPC-J	50.4 U	5.22 U	5.67 U	239 U	2.27 U	147 U	5.39 U	95.2 U
13B-0550-G1AR	EB	204 U	11.7 EMPC-J	29.8 U	7.86 U	8.53 U	149 U	4.38 U	103 U	8.12 U	49.4 U
13B-0570-G3AR	EB	13300	1550	2290	71.8 U	79.2 U	7620	146 J	10700	93.6 U	6970
13B-0571-C4XR	EB	355	48 J	59.6 J	10.1 U	11.2 U	265	6.83 U	297	13.2 U	186
13B-0573-C4AR	EB	102	14.1 J	19.7 J	3.87 U	4.27 U	65.1 EMPC-J	2.5 U	86.6	5.05 U	52.7
13B-0575-C4XR	EB	492 U	38.3 U	85.5 EMPC-J	43.8 U	47.7 U	372 U	30.5 U	456 U	49.3 U	268 U
13B-0575-G1AR	EB	1610 UJ	167 J	247 EMPC-J	47.6 U	51.8 U	933 UJ	27.6 U	1260 J	53.6 U	795 J
13B-0576-G3AR	EB	77.1 U	7.71 EMPC-J	12.6 J	5.72 U	6.23 U	47.5 U	3.51 U	55.6 U	6.44 U	31.1 U

Notes:

pg/l = picogram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

PCB = Polychlorinated Biphenyl

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration

Appendix J
Analytical Results for PCB-Homolog in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Decachlorobiphenyl (PCB-209)	Dichlorobiphenyl	Heptachlorobiphenyl	Hexachlorobiphenyl	Monochlorobiphenyl
Unit		pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	523	253 J	1420 EMPC-J	2320 EMPC-J	55.3 EMPC-J
13B-0501-G2AR	EB	104	123 J	465 EMPC-J	773 EMPC-J	7.97 U
13B-0505-C2XR	EB	355	379 J	4730 EMPC-J	9060 EMPC-J	11.9
13B-0505-G2AR	EB	77.6	174 J	996 EMPC-J	1430 EMPC-J	54 EMPC-J
13B-0511-C1GR	EB	14.5 J	68.6 EMPC-J	90.5 EMPC-J	230 EMPC-J	45.3
13B-0516-C3XR	EB	111	1220	736	1550	413
13B-0518-G1AR	EB	139	204	983	1350	253
13B-0519-C5XR	EB	150 EMPC-J	820 EMPC-J	1300 EMPC-J	2430 EMPC-J	70.5 EMPC-J
13B-0519-G1AR	EB	119 J	1750 EMPC-J	1340 U	2110 EMPC-J	280
13B-0525-C2XR	EB	174	762	1910	4140	186
13B-0525-G1AR	EB	103	299	1600	2990	192
13B-0530-C4CR	EB	23.9 U	170 EMPC-J	355 EMPC-J	404 EMPC-J	44.5
13B-0548-C1AR	EB	163 EMPC-J	578 J	834 U	1640 EMPC-J	32.8 U
13B-0548-C3XR	EB	593	1300 EMPC-J	2000 EMPC-J	2160 EMPC-J	118
13B-0548-G1AR	EB	2860	1500 EMPC-J	9250 U	5200 EMPC-J	434 EMPC-J
13B-0550-C3XR	EB	45.1 J	882 J	444 EMPC-J	1230 EMPC-J	228 U
13B-0550-G1AR	EB	24.2 EMPC-J	547 J	563 EMPC-J	1210 EMPC-J	120 U
13B-0570-G3AR	EB	1080	1660 J	37400	68400 EMPC-J	764
13B-0571-C4XR	EB	232	721 J	1200 EMPC-J	2100 EMPC-J	186
13B-0573-C4AR	EB	54.3	78.1 EMPC-J	322 EMPC-J	593	51.6
13B-0575-C4XR	EB	185 EMPC-J	1290 J	1610 EMPC-J	2770 EMPC-J	187
13B-0575-G1AR	EB	651 J	1290 J	10400 J	15500 EMPC-J	342 EMPC-J
13B-0576-G3AR	EB	234	117 J	406 EMPC-J	521 EMPC-J	8.9 U

Appendix J
Analytical Results for PCB-Homolog in Equipment Blank

Analytic Method		E1668A	E1668A	E1668A	E1668A	E1668A	E1668A
Analyte		Nonachlorobiphenyl	Octachlorobiphenyl	PCB, TOTAL	Pentachlorobiphenyl	Tetrachlorobiphenyl	Trichlorobiphenyl
Unit		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	469	717 EMPC-J	13000	2700 EMPC-J	3250 EMPC-J	1410 EMPC-J
13B-0501-G2AR	EB	119	217 EMPC-J	3740	1020 EMPC-J	1110 EMPC-J	305 EMPC-J
13B-0505-C2XR	EB	442	1490 EMPC-J	39200	11300 EMPC-J	8580	3060
13B-0505-G2AR	EB	105 EMPC-J	336 EMPC-J	5880	1320 EMPC-J	1070 EMPC-J	394 EMPC-J
13B-0511-C1GR	EB	17.5	36.4 EMPC-J	1250	351 EMPC-J	283 EMPC-J	192 EMPC-J
13B-0516-C3XR	EB	134	312	12100	2450	2960	2170
13B-0518-G1AR	EB	167	455	6400	1280	1010	565
13B-0519-C5XR	EB	183 EMPC-J	460 EMPC-J	2000	3550 U	4920 EMPC-J	2970 EMPC-J
13B-0519-G1AR	EB	88.4 U	348	2180	2420 EMPC-J	2860 EMPC-J	2800 EMPC-J
13B-0525-C2XR	EB	175	659	27000	6850	8260	3890
13B-0525-G1AR	EB	147	541	13200	3580	2720	1080
13B-0530-C4CR	EB	34.5	133 EMPC-J	1700	419 EMPC-J	371 EMPC-J	287 EMPC-J
13B-0548-C1AR	EB	195 EMPC-J	353 EMPC-J	1170	1940 EMPC-J	1040 EMPC-J	747 U
13B-0548-C3XR	EB	1570	2580 U	4260	2680 EMPC-J	3130 EMPC-J	2010 EMPC-J
13B-0548-G1AR	EB	8160	13900 EMPC-J	16300	4770 EMPC-J	3870 EMPC-J	2600 EMPC-J
13B-0550-C3XR	EB	40.3 EMPC-J	117 EMPC-J	2380	1470 EMPC-J	1780 EMPC-J	1220 EMPC-J
13B-0550-G1AR	EB	23.2 EMPC-J	130	776	944 EMPC-J	736 EMPC-J	518 EMPC-J
13B-0570-G3AR	EB	2500	13100 EMPC-J	372000	97000 EMPC-J	109000	41400
13B-0571-C4XR	EB	216	528	11600	2630	2450 EMPC-J	1490 EMPC-J
13B-0573-C4AR	EB	76.8	171	3020	740 EMPC-J	645 EMPC-J	367 EMPC-J
13B-0575-C4XR	EB	294	748 EMPC-J	4190	3690 EMPC-J	4340 EMPC-J	3030 EMPC-J
13B-0575-G1AR	EB	1150	3790 EMPC-J	16900	13200 EMPC-J	8560 EMPC-J	3400 EMPC-J
13B-0576-G3AR	EB	240	303 EMPC-J	571	510 EMPC-J	302 EMPC-J	144 EMPC-J

Notes:

pg/l = picogram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

PCB = Polychlorinated Biphenyl

U = The analyte was analyzed for, but was not detected above

EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration

Appendix J
Analytical Results for PCDDF in Equipment Blank

Analytic Method:		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte:		1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD
Unit:		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type								
13B-0501-C3XR	EB	9.5 J	16.8 J	4.84 U	4.61 UJ	4.72 J	4.81 U	3.06 U	5.12 UJ
13B-0501-G2AR	EB	6.35 U	2.77 EMPC-J	2.81 U	4.08 UJ	2.99 U	4.22 U	3.19 U	4.32 UJ
13B-0505-C2XR	EB	12.8 J	14.2 J	3.72 U	2.81 UJ	4.05 J	2.73 U	2.56 U	3.92 J
13B-0505-G2AR	EB	7.36 U	4.67 U	6.67 U	5.61 UJ	3.94 U	5.75 U	3.81 U	6.17 UJ
13B-0511-C1GR	EB	2.85 U	1.43 U	1.87 U	2.14 U	1.36 U	2.13 U	1.28 U	2.07 U
13B-0516-C3XR	EB	6.87 U	4.25 U	4.55 U	7.24 U	4.07 U	7.67 U	4.09 U	6.68 U
13B-0518-G1AR	EB	12.3 U	9.02 U	9.46 U	10.3 U	6.43 U	10.3 U	6.7 U	10.4 U
13B-0519-C5XR	EB	23 U	12.5 U	12.6 U	21.6 UJ	12.8 U	21.5 UJ	13.1 U	22.9 U
13B-0519-G1AR	EB	20.6 U	11.9 U	12 U	20.6 UJ	16.5 U	18.4 UJ	16.1 U	21.1 U
13B-0525-C2XR	EB	7.23	17.4	5.67	4.42	3.77	4.72	3.5	4.56
13B-0525-G1AR	EB	12.8	10.4	8.02	8.74	4.76	8.77	4.83	9.01
13B-0530-C4CR	EB	4.15 U	2 U	2.83 U	2.53 UJ	1.9 U	2.61 U	1.86 U	2.93 J
13B-0548-C1AR	EB	38.5 U	23.3 U	23.1 U	28.7 UJ	18.6 U	27.1 UJ	17.3 U	29.3 U
13B-0548-C3XR	EB	24.7 U	14.1 U	17.8 U	23.8 U	13.3 U	23.9 U	13.8 U	26.4 U
13B-0548-G1AR	EB	93.9 U	59.1 U	67.1 U	76.5 U	45 U	76.5 U	44.6 U	79 U
13B-0550-C3XR	EB	4.4 U	5.4 EMPC-J	2.99 U	2.38 UJ	2.23 U	2.62 UJ	2.03 U	4.61 J
13B-0550-G1AR	EB	7.45 U	5.39 U	6.93 U	5.34 UJ	3.74 U	5.94 UJ	3.44 U	6.46 U
13B-0570-G3AR	EB	114 EMPC-J	127 J	59 U	56.9 U	34.3 U	62.2 U	34.5 U	64.8 U
13B-0571-C4XR	EB	17.8 EMPC-J	7.23 EMPC-J	8.03 U	8.21 U	5.95 U	8.64 U	5.72 U	8.63 U
13B-0573-C4AR	EB	4.75 U	2.78 U	3.2 U	3.44 U	2.06 U	3.35 U	1.91 U	3.51 U
13B-0575-C4XR	EB	61.1 U	41 U	48.5 U	51.6 U	33 U	49.6 U	33.1 U	55.4 U
13B-0575-G1AR	EB	47 J	50.1 J	34.7 U	34.7 U	26.5 U	33.7 U	25.6 U	33.7 U
13B-0576-G3AR	EB	3.84 U	3.58 U	3.68 U	4.46 U	2.19 U	4.46 U	2.19 U	4.36 U

Appendix J
Analytical Results for PCDDF in Equipment Blank

Analytic Method:		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte:		1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDF	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD
Unit:		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	Sample Type								
13B-0501-C3XR	EB	3.75 U	3.39 U	4.27 U	2.9 U	3.05 U	15.7 J	3.5 U	126 J
13B-0501-G2AR	EB	3.88 U	3.82 U	4.18 U	2.93 U	3.37 U	6.83 U	4.04 U	30.4 J
13B-0505-C2XR	EB	3.07 U	2.73 U	2.73 U	2.49 U	2.61 U	11.1 J	3.22 U	114 J
13B-0505-G2AR	EB	4.81 U	3.95 U	4.54 U	3.75 U	3.47 U	6.49 U	4.79 U	52.6 J
13B-0511-C1GR	EB	1.45 U	0.99 U	2.06 U	1.2 U	0.996 U	1.77 U	1.1 U	12.9 U
13B-0516-C3XR	EB	4.76 U	4.9 U	5.73 U	4.17 U	4.71 U	6.54 U	5.09 U	37.8 J
13B-0518-G1AR	EB	8.31 U	7.67 U	9.93 U	6.7 U	7.57 U	12.4 U	8.67 U	58.9 J
13B-0519-C5XR	EB	14.9 U	14.8 U	21.5 U	12.8 U	14.1 U	20.9 EMPC-J	14.4 U	63.4 J
13B-0519-G1AR	EB	18.3 U	15.8 U	26.6 U	16.7 U	13.6 U	23.4 U	15.1 U	72.9 EMPC-J
13B-0525-C2XR	EB	4	4.22	5.03	3.28	4.15	19.9	3.91	126
13B-0525-G1AR	EB	5.64	5.59	7.63	4.78	5.57	9.23	7.17	113
13B-0530-C4CR	EB	2.3 U	2.13 U	2.74 U	1.8 U	1.88 U	4.11 U	2.26 U	20.4 J
13B-0548-C1AR	EB	21.1 U	18.9 U	28.8 U	17.5 U	16.2 U	23.7 U	12.5 U	154 J
13B-0548-C3XR	EB	16.9 U	14.1 U	21.4 U	12.6 U	12.5 U	22.8 U	15.9 U	50.8 EMPC-J
13B-0548-G1AR	EB	54 U	52.7 U	86.8 U	44.6 U	49.1 U	66.8 U	46.4 U	225 J
13B-0550-C3XR	EB	2.59 U	2.61 U	4.31 U	2.2 U	2.44 U	3.76 U	2.11 U	28.8 J
13B-0550-G1AR	EB	4.61 U	4.33 U	5.38 U	3.56 U	4.1 U	5.51 U	3.25 U	15.5 U
13B-0570-G3AR	EB	40.5 U	33.1 U	53.8 U	31.3 U	30.7 U	214 EMPC-J	39.2 U	1260 J
13B-0571-C4XR	EB	6.15 U	5.76 U	8.15 U	5.12 U	5.34 U	6.96 U	5.41 U	143 U
13B-0573-C4AR	EB	2.28 U	1.73 U	2.8 U	1.92 U	1.69 U	2.55 U	1.78 U	21.5 U
13B-0575-C4XR	EB	40.8 U	32.5 U	49.8 U	33.6 U	26.2 U	46.1 U	29.9 U	122 U
13B-0575-G1AR	EB	30.4 U	26.7 U	30.2 U	24.8 U	22.3 U	33.6 U	15.1 U	358 J
13B-0576-G3AR	EB	2.68 U	2.65 U	4.35 U	2.21 U	2.27 U	4.33 U	2.35 U	33.6 J

Appendix J
Analytical Results for PCDDF in Equipment Blank

Analytic Method:		SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B	SW1613B
Analyte:		OCDF	Total HpCDD	Total HpCDF	Total HxCDD	Total HxCDF	Total PeCDD	Total PeCDF	Total TCDD	Total TCDF
Unit:		pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Sample ID	**Sample Type**									
13B-0501-C3XR	EB	139 J	18.9 EMPC-J	22.8 EMPC-J	4.83 UJ	9.53	4.27 U	5.3 EMPC-J	15.7	11.7
13B-0501-G2AR	EB	17.2 J	6.35 U	2.77 EMPC-J	4.19 UJ	3.23 U	4.18 U	3.59 U	6.83 U	4.04 U
13B-0505-C2XR	EB	28.8 J	30.7	21.3 J	3.92 J	12.7 EMPC-J	2.73 U	10.3 EMPC-J	11.1	3.46 EMPC-J
13B-0505-G2AR	EB	21.6 J	11.8	5.57 U	5.82 UJ	4.05 U	4.54 U	3.7 U	6.49 U	4.79 U
13B-0511-C1GR	EB	2.54 U	2.85 U	1.63 U	2.1 U	1.31 U	2.06 U	0.993 U	2.41	1.1 U
13B-0516-C3XR	EB	12.3 U	7.16	4.4 U	7.17 U	4.25 U	5.73 U	4.8 U	6.54 U	5.09 U
13B-0518-G1AR	EB	16 U	12.3 U	9.23 U	10.3 U	6.99 U	9.93 U	7.62 U	12.4 U	8.67 U
13B-0519-C5XR	EB	26.7 U	23 U	12.6 U	21.9 UJ	13.4 U	21.5 U	14.4 U	20.9 EMPC-J	14.4 U
13B-0519-G1AR	EB	26.4 U	28.6 EMPC-J	12 U	19.9 UJ	16.8 U	26.6 U	14.7 U	23.4 U	15.1 U
13B-0525-C2XR	EB	145	21.6	17.4	4.55	3.62	5.03	4.24	19.9	6.49
13B-0525-G1AR	EB	18.8	43.3	10.4	8.81	4.98	7.63	5.58	9.23	7.17
13B-0530-C4CR	EB	7.43 U	4.73	2.38 U	2.93 J	1.95 U	2.74 U	2 U	4.11 U	2.26 U
13B-0548-C1AR	EB	41.4 U	38.5 U	23.2 U	28.2 UJ	18.5 U	28.8 U	17.5 U	23.7 U	12.5 U
13B-0548-C3XR	EB	30.4 U	24.7 U	15.8 U	24.6 U	14 U	21.4 U	13.3 U	22.8 U	15.9 U
13B-0548-G1AR	EB	94.1 U	93.9 U	62.8 U	77 U	46.8 U	86.8 U	50.8 U	66.8 U	46.4 U
13B-0550-C3XR	EB	19.1 J	6.69	5.4 EMPC-J	15.2 EMPC-J	2.24 U	14.2 EMPC-J	2.53 U	40.2 EMPC-J	2.11 U
13B-0550-G1AR	EB	11.1 U	7.45 U	6.08 U	5.89 UJ	3.79 U	5.38 U	4.22 U	5.51 U	3.25 U
13B-0570-G3AR	EB	199 EMPC-J	297 EMPC-J	127 J	61.1 U	34.9 U	53.8 U	62	214 EMPC-J	191 EMPC-J
13B-0571-C4XR	EB	15.5 J	40 EMPC-J	7.23 EMPC-J	8.46 U	5.71 U	8.15 U	5.55 U	9.05 EMPC-J	5.41 U
13B-0573-C4AR	EB	4.66 J	4.75 U	2.98 U	3.42 U	2.03 U	2.8 U	1.71 U	2.55 U	1.78 U
13B-0575-C4XR	EB	66.4 U	61.1 U	44.4 U	52 U	34.9 U	49.8 U	29.2 U	46.1 U	29.9 U
13B-0575-G1AR	EB	60.9 U	112 EMPC-J	50.1	33.9 U	26.7 U	30.2 U	24.4 U	33.6 U	15.1 U
13B-0576-G3AR	EB	6.1 U	3.84 U	3.63 U	4.41 U	2.3 U	4.35 U	2.45 U	4.33 U	2.35 U

Notes:

pg/l = picogram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

PCDDF = Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration

Appendix J
Analytical Results for Pesticide-HR in Equipment Blank

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	2,4'-DDD	2,4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	cis-Chlordane
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type										
13B-0501-C3XR	EB	0.018 U	0.040 U	0.024 U	0.020 U	0.046 U	0.026 U	0.0040 U	0.0090 U	0.011 U	0.0098 U
13B-0501-G2AR	EB	0.016 U	0.032 U	0.021 U	0.018 U	0.049 U	0.024 U	0.0048 U	0.0091 U	0.012 U	0.0091 U
13B-0505-C2XR	EB	0.018 U	0.046 U	0.023 U	0.020 U	0.053 U	0.027 U	0.0046 U	0.0097 U	0.013 U	0.0098 U
13B-0505-G2AR	EB	0.018 U	0.036 U	0.021 U	0.019 U	0.041 U	0.024 U	0.0045 U	0.0092 U	0.012 U	0.038 J
13B-0511-C1GR	EB	0.026 U	0.056 U	0.035 U	0.028 U	0.073 U	0.039 U	0.012 U	0.014 U	0.019 U	0.017 U
13B-0516-C3XR	EB	0.019 U	0.063 U	0.028 U	0.021 U	0.076 U	0.030 U	0.012 U	0.011 U	0.014 U	0.012 U
13B-0518-G1AR	EB	0.023 U	0.073 U	0.032 U	0.024 U	0.075 U	0.035 U	0.014 U	0.013 U	0.016 U	0.015 U
13B-0519-C5XR	EB	0.032 U	0.010 U	0.046 U	0.036 U	0.019 U	0.059 U	0.0033 U	0.0065 U	0.0096 U	0.0090 J
13B-0519-G1AR	EB	0.042 U	0.012 U	0.062 U	0.051 U	0.022 U	0.081 U	0.0044 U	0.0068 U	0.0091 U	0.0049 U
13B-0525-C2XR	EB	0.015 U	0.033 U	0.021 U	0.017 U	0.040 U	0.023 U	0.021 J	0.0096 U	0.013 U	0.011 U
13B-0525-G1AR	EB	0.016 U	0.036 U	0.021 U	0.017 U	0.047 U	0.023 U	0.0083 U	0.0095 U	0.013 U	0.011 U
13B-0530-C4CR	EB	0.018 U	0.038 U	0.025 U	0.022 U	0.049 U	0.028 U	0.0049 U	0.011 U	0.015 U	0.0096 U
13B-0548-C1AR	EB	0.018 U	0.012 U	0.024 U	0.021 U	0.016 U	0.029 U	0.010 U	0.0067 U	0.0093 U	0.021 U
13B-0548-C3XR	EB	0.021 U	0.011 U	0.028 U	0.024 U	0.015 U	0.033 U	0.0073 U	0.0069 U	0.0097 U	0.019 U
13B-0548-G1AR	EB	0.022 U	0.016 U	0.028 U	0.025 U	0.017 U	0.033 U	0.012 U	0.0082 U	0.010 U	0.0083 U
13B-0550-C3XR	EB	0.017 U	0.046 U	0.023 U	0.021 U	0.054 U	0.028 U	0.0049 U	0.010 U	0.013 U	0.011 U
13B-0550-G1AR	EB	0.016 U	0.040 U	0.021 U	0.019 U	0.049 U	0.024 U	0.0040 U	0.010 U	0.014 U	0.0080 U
13B-0570-G3AR	EB	0.011 U	0.030 U	0.015 U	0.013 U	0.035 U	0.016 U	0.0048 U	0.0054 U	0.0071 U	0.0082 U
13B-0571-C4XR	EB	0.010 U	0.021 U	0.013 U	0.012 U	0.030 U	0.015 U	0.0054 U	0.012 EMPC-J	0.013 EMPC-J	0.0062 U
13B-0573-C4AR	EB	0.0094 U	0.024 U	0.011 U	0.010 U	0.031 U	0.014 U	0.0058 U	0.0058 U	0.013 EMPC-J	0.029 J
13B-0575-C4XR	EB	0.021 U	0.014 U	0.027 U	0.023 U	0.016 U	0.031 U	0.010 U	0.0082 U	0.010 U	0.0098 U
13B-0575-G1AR	EB	0.022 U	0.010 U	0.028 U	0.026 U	0.015 U	0.034 U	0.0074 U	0.0075 U	0.010 U	0.010 U
13B-0576-G3AR	EB	0.027 U	0.014 U	0.033 U	0.030 U	0.019 U	0.039 U	0.015 U	0.0089 U	0.032 EMPC-J	0.084 J

Appendix J
Analytical Results for Pesticide-HR in Equipment Blank

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	cis-Nonachlor	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type									
13B-0501-C3XR	EB	0.012 U	0.014 U	0.0083 U	0.025 U	0.037 U	0.0037 U	0.011 U	0.022 U	0.023 U
13B-0501-G2AR	EB	0.012 U	0.014 U	0.010 U	0.026 U	0.036 U	0.0037 U	0.012 U	0.024 U	0.023 U
13B-0505-C2XR	EB	0.012 U	0.015 U	0.0083 U	0.026 U	0.039 U	0.0038 U	0.011 U	0.020 U	0.022 U
13B-0505-G2AR	EB	0.011 U	0.014 U	0.0087 U	0.024 U	0.035 U	0.0035 U	0.010 U	0.017 U	0.021 U
13B-0511-C1GR	EB	0.015 U	0.022 U	0.014 U	0.040 U	0.048 U	0.0046 U	0.017 U	0.021 U	0.021 U
13B-0516-C3XR	EB	0.014 U	0.017 U	0.0099 U	0.028 U	0.043 U	0.0044 U	0.011 U	0.020 U	0.020 U
13B-0518-G1AR	EB	0.018 U	0.020 U	0.015 U	0.036 U	0.045 U	0.0049 U	0.016 U	0.020 U	0.022 U
13B-0519-C5XR	EB	0.0063 U	0.011 U	0.0071 U	0.0098 U	0.018 U	0.0051 EMPC-J	0.011 U	0.013 U	0.018 U
13B-0519-G1AR	EB	0.0072 U	0.011 U	0.0070 U	0.013 U	0.022 U	0.0023 U	0.011 U	0.014 U	0.019 U
13B-0525-C2XR	EB	0.012 U	0.015 U	0.0091 U	0.028 U	0.042 U	0.017 U	0.011 U	0.018 U	0.018 U
13B-0525-G1AR	EB	0.012 U	0.015 U	0.0094 U	0.026 U	0.036 U	0.0036 U	0.011 U	0.016 U	0.016 U
13B-0530-C4CR	EB	0.013 U	0.018 U	0.0098 U	0.026 U	0.040 U	0.0040 U	0.012 U	0.019 U	0.023 U
13B-0548-C1AR	EB	0.012 U	0.011 U	0.034 U	0.025 U	0.036 U	0.014 U	0.043 J	0.019 U	0.018 U
13B-0548-C3XR	EB	0.0091 U	0.012 U	0.0088 U	0.015 U	0.028 U	0.011 U	0.010 U	0.015 U	0.015 U
13B-0548-G1AR	EB	0.0097 U	0.012 U	0.088 J	0.024 U	0.030 U	0.0031 U	0.014 U	0.017 U	0.018 U
13B-0550-C3XR	EB	0.011 U	0.015 U	0.0095 U	0.027 U	0.033 U	0.0037 U	0.012 U	0.019 U	0.021 U
13B-0550-G1AR	EB	0.012 U	0.017 U	0.0099 U	0.022 U	0.038 U	0.0081 U	0.011 U	0.018 U	0.021 U
13B-0570-G3AR	EB	0.0082 U	0.0089 U	0.0075 U	0.023 U	0.025 U	0.0027 U	0.0090 U	0.016 U	0.014 U
13B-0571-C4XR	EB	0.0074 U	0.0075 U	0.0067 U	0.015 U	0.022 U	0.0074 U	0.0074 U	0.013 U	0.014 U
13B-0573-C4AR	EB	0.0097 U	0.0089 U	0.0082 U	0.029 U	0.029 U	0.0075 EMPC-J	0.010 U	0.015 U	0.013 U
13B-0575-C4XR	EB	0.011 U	0.012 U	0.010 U	0.025 U	0.029 U	0.0033 U	0.011 U	0.019 U	0.017 U
13B-0575-G1AR	EB	0.033 U	0.012 U	0.029 U	0.026 U	0.032 U	0.025 U	0.013 U	0.016 U	0.018 U
13B-0576-G3AR	EB	0.12 U	0.015 U	0.077 J	0.082 J	0.16 J	0.14 J	0.093 J	0.13 J	0.23 J

Appendix J
Analytical Results for Pesticide-HR in Equipment Blank

	Analytic Method	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014	WS-ID-0014
	Analyte	gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Oxy-chlordane
	Unit	ng/l	ng/l	ng/l	ng/l	ng/l	ng/l
Sample ID	Sample Type						
13B-0501-C3XR	EB	0.011 U	0.0027 U	0.0092 U	0.072 U	0.0066 U	0.011 U
13B-0501-G2AR	EB	0.012 U	0.0031 U	0.0088 U	0.085 U	0.0049 U	0.010 U
13B-0505-C2XR	EB	0.013 U	0.0060 U	0.0069 U	0.075 U	0.0062 U	0.0082 U
13B-0505-G2AR	EB	0.011 U	0.0032 U	0.0076 U	0.076 U	0.0057 U	0.0082 U
13B-0511-C1GR	EB	0.018 U	0.0073 U	0.010 U	0.13 U	0.011 U	0.012 U
13B-0516-C3XR	EB	0.014 U	0.0056 U	0.0076 U	0.11 U	0.012 U	0.012 U
13B-0518-G1AR	EB	0.017 U	0.0073 U	0.011 U	0.11 U	0.012 U	0.012 U
13B-0519-C5XR	EB	0.0088 U	0.0026 U	0.0041 U	0.051 U	0.011 U	0.0067 U
13B-0519-G1AR	EB	0.0087 U	0.0029 U	0.0047 U	0.059 U	0.010 U	0.0072 U
13B-0525-C2XR	EB	0.013 U	0.011 U	0.0072 U	0.14 U	0.019 U	0.0097 U
13B-0525-G1AR	EB	0.012 U	0.011 U	0.0064 U	0.16 U	0.0087 U	0.0083 U
13B-0530-C4CR	EB	0.015 U	0.0033 U	0.0076 U	0.075 U	0.0054 U	0.0093 U
13B-0548-C1AR	EB	0.0094 U	0.0027 U	0.0054 U	0.082 U	0.0096 U	0.0099 U
13B-0548-C3XR	EB	0.0096 U	0.0030 U	0.0049 U	0.086 U	0.0093 U	0.0078 U
13B-0548-G1AR	EB	0.011 U	0.0035 U	0.0067 U	0.095 U	0.010 U	0.012 U
13B-0550-C3XR	EB	0.040 J	0.0028 U	0.0083 U	0.070 U	0.0076 U	0.0096 U
13B-0550-G1AR	EB	0.014 U	0.0028 U	0.0070 U	0.060 U	0.0062 U	0.0079 U
13B-0570-G3AR	EB	0.0073 U	0.0044 EMPC-J	0.0057 U	0.093 U	0.0059 U	0.0078 U
13B-0571-C4XR	EB	0.018 J	0.0019 U	0.0044 U	0.083 U	0.0058 U	0.0092 U
13B-0573-C4AR	EB	0.0073 U	0.0037 U	0.0053 U	0.070 U	0.0042 U	0.0081 U
13B-0575-C4XR	EB	0.020 U	0.0027 U	0.0049 U	0.082 U	0.017 U	0.0089 U
13B-0575-G1AR	EB	0.023 U	0.0063 U	0.0058 U	0.085 U	0.016 U	0.010 U
13B-0576-G3AR	EB	0.012 U	0.014 EMPC-J	0.045 J	0.081 U	0.091 EMPC-J	0.031 J

Appendix J
Analytical Results for Pesticide-HR in Equipment Blank

Analytic Method Analyte Unit		WS-ID-0014 trans-Chlordane ng/l	WS-ID-0014 trans-Nonachlor ng/l
Sample ID	**Sample Type**		
13B-0501-C3XR	EB	0.0087 U	0.011 U
13B-0501-G2AR	EB	0.0084 U	0.010 U
13B-0505-C2XR	EB	0.0080 U	0.011 U
13B-0505-G2AR	EB	0.019 EMPC-J	0.0098 U
13B-0511-C1GR	EB	0.014 U	0.016 U
13B-0516-C3XR	EB	0.012 U	0.014 U
13B-0518-G1AR	EB	0.014 U	0.017 U
13B-0519-C5XR	EB	0.011 J	0.0040 U
13B-0519-G1AR	EB	0.0042 U	0.0054 U
13B-0525-C2XR	EB	0.017 EMPC-J	0.012 U
13B-0525-G1AR	EB	0.0089 U	0.011 U
13B-0530-C4CR	EB	0.0087 U	0.010 U
13B-0548-C1AR	EB	0.038 U	0.010 U
13B-0548-C3XR	EB	0.027 U	0.0094 U
13B-0548-G1AR	EB	0.020 U	0.0093 U
13B-0550-C3XR	EB	0.0090 U	0.012 U
13B-0550-G1AR	EB	0.019 J	0.0089 U
13B-0570-G3AR	EB	0.0070 U	0.0088 U
13B-0571-C4XR	EB	0.0053 U	0.0064 U
13B-0573-C4AR	EB	0.0091 U	0.011 U
13B-0575-C4XR	EB	0.0084 U	0.010 U
13B-0575-G1AR	EB	0.039 U	0.010 U
13B-0576-G3AR	EB	0.083 U	0.074 J

Notes:

ng/l = nanogram per liter

EB = equipment rinsate blank

HR = High Resolution

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

EMPC-J = The analyte was positively identified; the associated numerical value is the estimated maximum potential concentration

Appendix J
Analytical Results for Sulfide in Equipment Blank

	Analytic Method Analyte Unit	4500-S2(D) Total Sulfide mg/l
Sample ID	**Sample Type**	
13B-0501-C3XR	EB	0.050 U
13B-0501-G2AR	EB	0.050 U
13B-0505-C2XR	EB	0.050 U
13B-0505-G2AR	EB	0.050 U
13B-0511-C1GR	EB	0.050 U
13B-0516-C3XR	EB	0.050 U
13B-0518-G1AR	EB	0.050 U
13B-0519-C5XR	EB	0.050 U
13B-0519-G1AR	EB	0.050 U
13B-0525-C2XR	EB	0.050 U
13B-0525-G1AR	EB	0.050 U
13B-0530-C4CR	EB	0.050 U
13B-0548-C1AR	EB	0.050 U
13B-0548-C3XR	EB	0.050 U
13B-0548-G1AR	EB	0.050 U
13B-0550-C3XR	EB	0.050 U
13B-0550-G1AR	EB	0.050 U
13B-0570-G3AR	EB	0.050 U
13B-0571-C4XR	EB	0.050 U
13B-0573-C4AR	EB	0.050 U
13B-0575-C4XR	EB	0.050 U
13B-0575-G1AR	EB	0.050 U
13B-0576-G3AR	EB	0.050 U

Notes:
mg/l = milligram per liter
EB = equipment rinsate blank
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		1,1'-Biphenyl	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane	2,2'-oxybis(1-Chloropropane)	2,3,4,6-Tetrachlorophenol
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**						
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 UJ	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-methylphenol
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0501-G2AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0505-C2XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0505-G2AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0511-C1GR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 UJ
13B-0516-C3XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 UJ
13B-0518-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 UJ
13B-0519-C5XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0519-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0525-C2XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 UJ
13B-0525-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 UJ
13B-0530-C4CR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0548-C1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0548-C3XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0548-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0550-C3XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0550-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0570-G3AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0571-C4XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0573-C4AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0575-C4XR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0575-G1AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U
13B-0576-G3AR	EB	50.0 U	10.0 U	50.0 U	50.0 U	50.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Bromophenyl-phenylether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenyl-phenylether
Unit		ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**				
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		4-Methylphenol	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone
Unit		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**						
13B-0501-C3XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Anthracene	Atrazoine	Benzoaldehyde	Benzo(a)anthracene	Benzo(a)pyrene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	bis-(2-chloroethoxy)methane
Unit		ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**				
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	1.70 J	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		bis-(2-Chloroethyl)ether	bis-(2-Ethylhexyl)phthalate	Butylbenzoylphthalate	Caprolactam	Carbazole	Chrysene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**						
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	22.8	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	11.6	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	15.4	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	2.97 J	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Dibenzo(a,h)anthracene	Dibenzofuran	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Di-n-octylphthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Hexachlorocyclo-pentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	Naphthalene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	Sample Type					
13B-0501-C3XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0501-G2AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-C2XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0505-G2AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0511-C1GR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0516-C3XR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0518-G1AR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-C5XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0519-G1AR	EB	50.0 U	10.0 U	1.38 J	10.0 U	10.0 U
13B-0525-C2XR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0525-G1AR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0530-C4CR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C1AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-C3XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0548-G1AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-C3XR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0550-G1AR	EB	50.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
13B-0570-G3AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0571-C4XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0573-C4AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-C4XR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0575-G1AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
13B-0576-G3AR	EB	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method		SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
Analyte		Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene
Unit		ug/l	ug/l	ug/l	ug/l	ug/l
Sample ID	**Sample Type**					
13B-0501-C3XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0511-C1GR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0525-C2XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0525-G1AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U	10.0 UJ	50.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U	10.0 U	50.0 U	10.0 U

Appendix J
Analytical Results for SVOC in Equipment Blank

Analytic Method / Analyte / Unit		SW8270C Phenol ug/l	SW8270C Pyrene ug/l
Sample ID	**Sample Type**		
13B-0501-C3XR	EB	10.0 U	10.0 U
13B-0501-G2AR	EB	10.0 U	10.0 U
13B-0505-C2XR	EB	10.0 U	10.0 U
13B-0505-G2AR	EB	10.0 U	10.0 U
13B-0511-C1GR	EB	1.62 J	10.0 U
13B-0516-C3XR	EB	10.0 U	10.0 U
13B-0518-G1AR	EB	10.0 U	10.0 U
13B-0519-C5XR	EB	10.0 U	10.0 U
13B-0519-G1AR	EB	10.0 U	10.0 U
13B-0525-C2XR	EB	1.58 J	10.0 U
13B-0525-G1AR	EB	1.43 J	10.0 U
13B-0530-C4CR	EB	10.0 U	10.0 U
13B-0548-C1AR	EB	10.0 U	10.0 U
13B-0548-C3XR	EB	10.0 U	10.0 U
13B-0548-G1AR	EB	10.0 U	10.0 U
13B-0550-C3XR	EB	10.0 U	10.0 U
13B-0550-G1AR	EB	10.0 U	10.0 U
13B-0570-G3AR	EB	10.0 U	10.0 U
13B-0571-C4XR	EB	10.0 U	10.0 U
13B-0573-C4AR	EB	10.0 U	10.0 U
13B-0575-C4XR	EB	10.0 U	10.0 U
13B-0575-G1AR	EB	10.0 U	10.0 U
13B-0576-G3AR	EB	10.0 U	10.0 U

Notes:

ug/l = microgram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

SVOC = Semivolatile Organic Compound

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for TOC in Equipment Blank

	Analytic Method	SW9060	SM5310C
	Analyte	Total Organic Carbon	Total Organic Carbon
	Unit	mg/l	mg/l
Sample ID	Sample Type		
13B-0501-C3XR	EB	0.50 U	
13B-0501-G2AR	EB	0.50 U	
13B-0505-C2XR	EB	37.3	
13B-0505-G2AR	EB	2.15	
13B-0511-C1GR	EB	0.18 J	
13B-0516-C3XR	EB	0.11 J	
13B-0518-G1AR	EB	0.14 J	
13B-0519-C5XR	EB	0.50 U	
13B-0519-G1AR	EB	0.50 U	
13B-0525-C2XR	EB	0.19 J	0.19 J
13B-0525-G1AR	EB	0.10 J	0.10 J
13B-0530-C4CR	EB	0.50 U	
13B-0548-C1AR	EB	0.50 U	
13B-0548-C3XR	EB	0.50 U	
13B-0548-G1AR	EB	0.50 U	
13B-0550-C3XR	EB	0.50 U	
13B-0550-G1AR	EB	0.50 U	
13B-0570-G3AR	EB	0.50 U	
13B-0571-C4XR	EB	0.50 U	
13B-0573-C4AR	EB	0.50 U	
13B-0575-C4XR	EB	0.90	
13B-0575-G1AR	EB	0.68	
13B-0576-G3AR	EB	0.50 U	

Notes:

mg/l = milligram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

TOC = Total Organic Carbon

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit

Appendix J
Analytical Results for TPH-Extractable in Equipment Blank

Analytic Method Analyte Unit		QAM025 C18-C40 PETROLEUM HYDROCARBONS mg/l	QAM025 C8-C18 PETROLEUM HYDROCARBONS mg/l	QAM025 TOTAL PETROLEUM HYDROCARBONS mg/l
Sample ID	**Sample Type**			
13B-0501-C3XR	EB	0.29 U	0.29 U	0.29 U
13B-0501-G2AR	EB	0.30 U	0.30 U	0.30 U
13B-0505-C2XR	EB	0.29 U	0.29 U	0.29 U
13B-0505-G2AR	EB	0.29 U	0.29 U	0.044 J
13B-0511-C1GR	EB	0.31 U	0.31 U	0.31 U
13B-0516-C3XR	EB	0.30 U	0.30 U	0.30 U
13B-0518-G1AR	EB	0.33 U	0.33 U	0.33 U
13B-0519-C5XR	EB	0.29 U	0.29 U	0.29 U
13B-0519-G1AR	EB	0.29 U	0.29 U	0.29 U
13B-0525-C2XR	EB	0.29 U	0.29 U	0.29 U
13B-0525-G1AR	EB	0.063 J	0.34 U	0.34 U
13B-0530-C4CR	EB	0.29 U	0.29 U	0.29 U
13B-0548-C1AR	EB	0.29 U	0.29 U	0.29 U
13B-0548-C3XR	EB	0.28 U	0.28 U	0.28 U
13B-0548-G1AR	EB	0.29 U	0.29 U	0.29 U
13B-0550-C3XR	EB	0.29 U	0.29 U	0.29 U
13B-0550-G1AR	EB	0.070 J	0.30 U	0.085 J
13B-0570-G3AR	EB	0.29 U	0.29 U	0.29 U
13B-0571-C4XR	EB	0.29 U	0.29 U	0.29 U
13B-0573-C4AR	EB	0.29 U	0.29 U	0.29 U
13B-0575-C4XR	EB	0.29 U	0.29 U	0.29 U
13B-0575-G1AR	EB	0.35 U	0.29 U	0.36 U
13B-0576-G3AR	EB	0.28 U	0.28 U	0.28 U

Notes:

mg/l = milligram per liter

EB = equipment rinsate blank

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

TPH = Total Petroleum Hydrocarbons

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit