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ENVIRONMENT

Mr. Joseph A. Gowers
Remedial Project Manager
United States Environmental Protection Agency, Region 2
290 Broadway, 19th Floor
New York, NY 10007-1866

Subject:
Response to Comments – Revised Remedial Investigation Report
Peters Mine Area
Ringwood Mines/Landfill Superfund Site
Ringwood, New Jersey

Date:
July 2, 2012

Contact:
Erich Zimmerman

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201-684-1410

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Erich.zimmerman@arcadis-us.com

Our ref:
NJ.000604

Dear Mr. Gowers:

On behalf of the Ford Motor Company (Ford), ARCADIS U.S., Inc. (ARCADIS) is providing responses to the United States Environmental Protection Agency's (USEPA's) June 7, 2012 comment letter regarding the revised Remedial Investigation Report (RIR) prepared for the Peters Mine Area at the Ringwood Mines/Landfill Site (the "Site").

Comments provided by the USEPA are repeated below in **bold** font, with Ford's responses immediately following in normal font.

Specific Comments:

Comment 1: Page 6, Second Full Paragraph: **The first sentence in this paragraph references the groundwater flow direction in the O'Connor Disposal Area rather than the Peters Mine Pit Area, which is the focus of this RI Report. This sentence should be revised accordingly.**

Response: The text has been revised as requested.

Comment 2: Page 10, First Bullet: **This bullet erroneously indicates that no VOCs were detected in any of the soil boring samples collected in the Peters Mine Pit. This statement should be revised accordingly.**

Response: The text has been revised as requested.

Comment 3: Page 27, Hydrogeologic Conceptual Model: This section indicates that the existence of head differences between the overburden and bedrock aquifers suggests a confining or semi-confining nature of the weathered zone above competent bedrock, such as weathered rock with fractures plugged by low conductivity soil. A discussion of the nature of the fracture network in the bedrock must be included within this section. It should be noted that the head differences may be attributable to the nature of the fractures within the rock (i.e., lack of vertical connectivity) and not so much the weathered zone being a low conductivity zone. This section should be revised accordingly.

Response: The text has been revised as requested.

Comment 4: Page 27, Hydrogeologic Conceptual Model, Second Paragraph: The geologic cross-sections referenced in this paragraph need to be modified to incorporate any information regarding the fracture network (i.e., any fracture zones indicating possible cross connections with the aquifer) and the background used for the bedrock should be modified so as not to misconstrue the nature of the rock (the existing background implies dipping bedding units). This section should be revised accordingly.

Response: As discussed during the February 9 and February 29, 2012 meetings with USEPA, the PMP cross-sections that will present interpretations of groundwater conditions in bedrock are graphics that were to be presented in the groundwater RI Report.

The Supplemental Groundwater RI Work Plan is presently being implemented and will provide additional data critical to interpreting the groundwater flow in bedrock at the site. Furthermore, downhole geophysical data is now available from newly installed bedrock well RW-13 to the southwest of the PMP. This data will be integrated into the cross-sections.

We anticipate that updated cross-sections for the site that include the requested fracture information will be submitted to USEPA with the data acquired from the supplemental groundwater investigation work being conducted presently. This will provide an opportunity for agency review of the cross-sections prior to the draft Groundwater RI Report being submitted to USEPA.

Comment 5: Page 30, Last Bullet: This bullet erroneously indicates that SVOCs were not detected above Ground Water Quality Standards (GWQSs)

in samples collected from the Peters Mine Air Shaft. Please note that BEHP was detected above GWQSs in samples collected from the air shaft during October 2009. This bullet should be revised accordingly.

Response: The text has been revised as requested.

Comment 6: Page 32, Last Sentence: The word "I" should be removed from this sentence.

Response: The text has been revised as requested.

Comment 7: Section 33, Fifth Bullet: It should be noted that monitoring well RW-7 is located adjacent to paint sludge disposal area SR-13, and should not be considered an upgradient well. Furthermore, groundwater quality in this well should not be discussed as representing background conditions. This bullet should be revised accordingly.

Response: Although paint sludge was present for over 40 years at the SR-13 location, groundwater quality as indicated from the analytical results of groundwater samples collected at RW-7 has not been adversely affected. Geochemical analyses show that the groundwater at RW-7 is indicative of background for bedrock in Ringwood. Nevertheless, the text has been revised as requested.

Comment 8: Page 37, Nature and Extent of Impacts, First Paragraph: The text in this paragraph indicates that the results of sampling outlined in the RI are contained within the March 19, 2010 PMP Investigation Technical Memorandum, and are included here by reference. As indicated previously by EPA, the RI Report should be a standalone document that does not require the referencing of technical memoranda. This section, and the RI Report in general, must be revised such that it does not require referencing of other site-related technical memoranda.

Response: The text has been revised as requested.

Comment 9: Page 37, Constituents of Concern and Sources: This section should be revised to identify and more thoroughly discuss other constituents of concern in the PMP Area, including arsenic and lead.

Response: Comment noted.

Comment 10: Page 37, Constituents of Concern and Sources: A space should be added between "PMP" and "Area" in the first of this section. In addition, "PMPt" in the third paragraph of this section should be revised to read "PMP".

Response: The text has been revised as requested.

Comment 11: Page 38, Second Paragraph: This paragraph should be revised to reference the Final BHHRA for the PMP which was approved by the EPA in April 2012.

Response: The text has been revised as requested.

Comment 12: Page 39, Fate and Transport, First Bullet: This bullet must be revised to reflect the fact that lead has been consistently detected in samples collected from well SC-01 at concentrations greater than the GWQS.

Response: The text has been revised as requested.

Comment 13: Page 40, Section 4.1.1: The first sentence in this section indicates that the pond within the PMP is a very low velocity body of water, with little turnover between the upper and lower reaches of the pit. Data supporting this statement must be provided in the RI Report. If this data is not available, this statement should be reworded to discuss relative terms.

Response: The text has been revised as requested.

Comment 14: Page 42, Bottom of the Page: The text indicates that a number of SVOCs detected in the fill are considered "incidental constituents" because they have not been detected in surface water of groundwater above method detection limits. Arcadis should clarify what is meant by incidental constituents.

Response: The text has been revised as requested.

Comment 15: Page 44, Total versus Dissolved Metals in Groundwater: As previously noted by EPA, EPA primarily considers total metal concentrations and not filtered metal concentrations in groundwater. While filtered sample results may be included in the RI, total results must be used in determining nature and extent of contamination. The RI should be revised accordingly.

Response: Comment noted.

Comment 16: Page 48, First Full Sentence: Arsenic has been detected in groundwater samples above its GWQS in several wells in the Peters Mine Pit Area. Including OB-11R and OB-27, and is considered a contaminant of concern by EPA. Therefore, further fate and transport discussions for arsenic are warranted in the RI Report. The RI should be revised accordingly.

Response: The text has been revised as requested.

Comment 17: Page 48, Second Full Paragraph: Lead has been detected in groundwater samples at concentrations above its GWQS in the Peters Mine Pit Area, especially in well SC-01, and is considered a contaminant of concern by EPA. Therefore, further fate and transport discussions for lead are warranted in the RI Report. The RI should be revised accordingly.

Response: The text has been revised as requested.

Comment 18: Page 50, Section 4.1.5: The first sentence in this section appears to be missing text. This sentence should be corrected in the revised RI Report.

Response: The text has been revised as requested.

Comment 19: Page 51, Second Paragraph: Paint sludge should be added to the list of materials disposed of in the PMP which could have resulted in the release of BTEX.

Response: The text has been revised as requested.

Comment 20: Page 51, Section 4.1.5.1: This section should be revised to include a discussion of the benzene concentrations found within the PMP Air Shaft.

Response: The text has been revised as requested.

Comment 21: Page 51, Section 5.1.5.1, Second Sentence: This sentence incorrectly indicates that benzene has not exceeded the GWQS in samples collected from well SC-01 during the past three sampling events. Benzene

was detected at a concentration of 1.5 ppb during the June 2010 sampling event. This sentence should be revised accordingly.

Response: The text has been revised as requested.

Comment 22: Page 55, Top of Page: The text in this section states that the data indicate that RW-11 is in direct communication with the Air Shaft and Level 4 of the Peters Mine. The data that led to this conclusion must be discussed in the RI Report. At present, EPA cannot determine whether Arcadis' statement that the existing data indicate that there is no migration of benzene from the PMP Air Shaft into the bedrock or overburden aquifers is actually supported by the data.

Response: The text has been revised as requested.

Comment 23: Page 55, Second Full Paragraph: Arcadis states in this paragraph that the groundwater elevation data indicate that groundwater within the mine workings that enters the bedrock fracture network will pass through the RW-4 monitoring intervals. EPA does not agree that one well would intersect the flow path of the entire mine workings. This statement should either be removed from the RI Report or reworded.

Response: The text has been revised as requested.

Comment 24: Pages 55-61, Section 5: This section of the RI Report must be revised based on the approved HHRA. For example, Section 5.1.5, Exposure Pathways and Potential Receptors, should also include current and future exposure via ingestion of game and plant tissue. The HHRA section should also state that exposure to ground water will be addressed in the HHRA developed for that OU.

Response: The text has been revised as requested.

Comment 25: Page 60: This page includes a reference to a draft Memorandum of Potential Exposure Scenarios and Assumptions, which Arcadis indicates is currently under review by EPA. Arcadis should include a reference to the EPA-approved version of the report.

Response: The text has been revised to reflect that the final HRRA is the most current reference and supersedes the older Memorandum.

Comment 26: Page 61: The discussion of the SLERA and BERA should be revised to reflect the current status of these documents.

Response: The text has been revised as requested.

Comment 27: Page 63, First Bullet: The bullet must be revised to acknowledge that lead was detected at concentrations above its GWQS in groundwater samples collected from the Peters Mine Pit Area.

Response: The text has been revised as requested.

Comment 28: Page 65, Second Paragraph: The last sentence in this paragraph incorrectly indicates that benzene has not exceeded the GWQS in samples collected from well SC-01 during the past three sampling events. Benzene was detected at a concentration of 1.5 ppb during the June 2010 sampling event. This sentence should be revised accordingly.

Response: The text has been revised as requested.

Comment 29: Page 66, First Paragraph: This paragraph must be revised to acknowledge that lead has also been detected in groundwater samples collected from the Peters Mine Pit Area at concentrations greater than its GWQS.

Response: The text has been revised as requested.

Comment 30: Page 67, Section 6.3, First Paragraph: This paragraph must be revised to reflect the fact that benzene was detected above its GWQS in well SC-1 during the June 2010 sampling event.

Response: The text has been revised as requested.

Please do not hesitate to contact me if you have any questions or comments.

Sincerely,

ARCADIS U.S., Inc.

Erich Zimmerman, P.E.
Project Manager

Copies:
Brian Bussa, Ford
Tim Green, Esq., Ford

REFERENCES

USEPA. 2005a. *Ecological Soil Screening Levels For Arsenic - Interim Final.* OSWER Directive 9285.7-62. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. April.

USEPA. 2005c. *Ecological Soil Screening Levels For Lead - Interim Final.* OSWER Directive 9285.7-70. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. April.

USEPA. 2010. Final Report – Data Summary Ringwood Biological Sampling Efforts, 2006 Through 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey (Biota Study Report). U.S. Environmental Protection Agency. June.

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Remedial Investigation Report for the Peters Mine Pit Area

Ringwood Mines/Landfill Site,
Ringwood, New Jersey

July 2012

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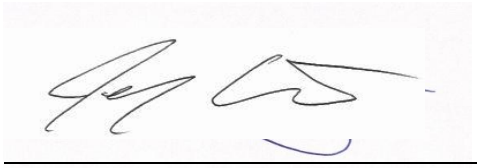

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Remedial Investigation Report
For the Peters Mine Pit Area

Ringwood Mines Landfill Site,
Ringwood, New Jersey

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ARCADIS

Executive Summary

ARCADIS US, Inc., on the behalf of Ford Motor Company, is submitting this revised Remedial Investigation Report (RIR) for the (PMP) Area to the United States Environmental Protection Agency). This RIR has been prepared in accordance with the *Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA*, EPA/540/G-89/004 dated October 1988 and the Administrative Order on Consent for the Ringwood Mines/Landfill Site, dated May 2010. The Site is located in the Borough of Ringwood in Passaic County, New Jersey (Site).

The USEPA and Ford Motor Company entered into an Administrative Order on Consent (AOC) in 2005 which was superseded by a new AOC in May 2010. The AOC separates the Site into four Areas of Concern (AC) which include the PMP Area, the Cannon Mine Pit Area (CMP), the O'Connor Disposal Area (OCDA), and Site-Related Groundwater. It is required that each AC have an acceptable Final Technical Memorandum, a Final Pathway Analysis Report, a Final Baseline Human Health Risk Assessment, and a Final Ecological Risk Assessment.

The purpose of this RIR is to provide the geologic and hydrogeologic background information of the Site, outline the results of previous investigations at the Peter's Mine Pit Area, and provide an overview of the required deliverables under the 2010 AOC, including a Baseline Human Health Risk Assessment (BHHRA), and an Ecological Risk Assessment (ERA) which will be provided under separate cover. In conjunction with the BHHRA and ERA, this RIR determines the nature and extent of contamination and any potential threat to public health, welfare, or the environment caused by the release or threatened release of hazardous substances, pollutants, or contaminants at or from the PMP Area.

The previous PMP Area investigations included: a drum and/or drum remnant removal; trench and test pit excavations; drilling and rock coring; soil sample collection and analysis; preparation of a hydrogeologic conceptual model; installation and development of monitoring wells; collection of groundwater elevation measurements; monitoring well and surface-water sampling and analysis; air shaft water sampling; and down-hole video logging of the air shaft. Results of this investigation were previously submitted to the USEPA and NJDEP under separate cover on March 19, 2010 in the document entitled, "PMP Investigation Technical Memorandum", as well as in the July 12, 2011, "Draft Remedial Investigation Report for PMP" and February 23, 2012,

ARCADIS

"Remedial Investigation Report for the Peters Mine Pit Area". These documents are incorporated into this RIR by reference.

1. Introduction

ARCADIS U.S. Inc. (ARCADIS), on the behalf of Ford Motor Company, has prepared this revised Remedial Investigation Report for the PMP Area at the Ringwood Mines/Landfill Site (Site) located in Ringwood, New Jersey (Figure 1). The details of previous investigation activities and findings, along with summaries of all field data and analytical results, are provided in accordance with the United States Environmental Protection Agency (USEPA)-approved Work Plan Investigation of the PMP Area (also referred to as the "Peters Mine Area"), dated December 23, 2005. The PMP Area is shown on Figure 2 and the detailed PMP investigation locations are shown on Figure 3.

1.1 Site Background

The Ringwood Mines Landfill Site is approximately 500 acres and is 0.5 miles wide and approximately 1.5 miles long. The Site is comprised of moderately rugged forested areas, open areas of overgrown vegetation, abandoned mine shafts and surface pits, an air shaft, an inactive landfill, an industrial refuse disposal area, small surficial dumps, automobile carcasses, a municipal recycling center, the Ringwood Borough Garage, residential lots, and the Ringwood State Park which is located north and east of the site (Woodward-Clyde Consultants, 1988).

Peters Mine Pit Area

The Peters Mine was one of the two most productive magnetite iron ore mines on the Ringwood Mines Site and was in operation from the mid-1700s until the 1930s. The host rock for the magnetite iron ore is foliated gneiss, amphibolite, and pegmatite. The mine area, which is immediately northwest of the northern end of Peters Mine Road, was part of the 870 acres owned by Ringwood Realty (a former subsidiary of Ford Motor Company) from approximately 1965 to 1973. Ownership of the PMP area is currently divided between Ringwood Borough and Ringwood State Park.

The Peters Mine consisted of an open pit with a shaft extending under Hope Mountain from the base of the pit. In 1961, when maintenance for a possible restart of mining operations was discontinued, the top of the Pit opening was 375-feet long (striking southwest-northeast) and as much as 200-feet wide. The base of the Pit was approximately 375-feet long and as much as 80-feet wide with a depth of about 90 feet. The inclined Peters Mine shaft was 2,600 feet long and at its deepest point it was reportedly 1,500 feet below ground surface (bgs). It was also reported that during the

operation of the mine, operators were able to keep it drained by pumping approximately 50 gpm of groundwater from the mine structure (Hotz, 1953). The shaft trends about N40 ^{o}E and dips at about 35° to the northeast. A 230-foot vertical air shaft met the inclined shaft approximately 250 feet north of the Pit (Hotz 1953).

In a 2005 affidavit, Russ Kerestes, a former vice president of the O'Connor Trucking and Haulage Company, stated that the mine shaft at the base of the PMP was sealed prior to beginning waste disposal in 1967. Insufficient information is available to confirm the method used to seal the shaft, or determine whether the seal is water tight.

During the December 1967 to April 1971 period, the PMP was one of three Ringwood areas designated for disposal of solid wastes from the Ford Mahwah, New Jersey vehicle assembly plant. Ford wastes consisted primarily of paper, cardboard, wood, metal, plastic scrap, general trash, paint sludge, scrap drums, and car parts. A 1966 aerial photograph indicates a pool of water occupied the lower portion of the Pit. By 1973, the Pit was filled to the level of the surrounding land surface and capped with earthen material.

Mine buildings and structures occupied areas southeast and northwest of the Pit through at least 1961. Comparison of the 1966 and 1967 aerial photographs indicates that the majority of these buildings were demolished during this time period. Some or all of the demolition debris may have been pushed into the Pit for disposal.

Settling of the Pit fill is evident in the depressed contours in the Pit area as shown on the 1984 topographic map prepared as part of the 1984-1988 Remedial Investigation. Settlement of the fill has continued over the years. Currently, a 300-foot long pond occupies what was once the deepest part of the mine Pit.

The Peters Mine area is located at the head of a small valley drained by Park Brook. Based on the drilling logs for Monitoring Wells RW-3 and OB-14B, the Park Brook valley floor is underlain by deposits of unconsolidated sediments above the bedrock, with the following elements in ascending order: fine grained glacial till, poorly sorted gravel till or stream deposits, and mining tailings. These deposits have a total thickness of 50 or more feet in places.

The groundwater in the unconsolidated fill and sediments in the PMP area is approximately 15 feet bgs. The pond surface within the former mine pit is believed to be a surface expression of the water table. Based on topography and measurements

from nearby groundwater monitoring, groundwater flows in a southeasterly direction across the PMP area (ARCADIS, 2005).

1.1.1 Physical Setting

The PMP Area is located within the north central part of the Ringwood Mines Site, and is bound to the north by Park Brook. The Site is bound by mountainous ridges to the west (Whaleback Mountain, Mine Hill) and north (Hope Mountain, Un-named Mountain) and lower hills and ridges to the east and south. There are surface water drainages within the Site and these include Mine Brook (western and southern areas), Peters Mine Brook (a drainage swale in the central part of the Site), Park Brook (north-central area) and North Brook (north area). These surface water drainages are tributaries to Ringwood Creek, which in turn flows into the Wanaque Reservoir.

There are numerous wetlands areas along the stream corridors, some of which have been enhanced by beaver dams.

There are paved roads in the residential areas and leading to the former Peters Mine. These streets are Peters Mine Road, Cannon Mine Road, Van Dunk Lane, Sheehan Drive, Milligan Drive, Horseshoe Bend Road, and Petzold Avenue. In addition to the paved roads there are many former mine roads and trails, some covered with gravel or mine tailings and some which are dirt surfaces. A few of the trails and former mine roads are in various states of natural reclamation.

The Borough of Ringwood Public Works Garage is located near the intersection of Peters Mine Road and Margaret King Avenue and the Recycling Center is located about a half mile north on Peters Mine Road along the west side. There is a PSE&G power sub-station on the east side of Peters Mine Road approximately 400 yards north of the intersection with Margaret King Avenue.

Both wetland and upland habitats are present at the Site. Historically, the Site area has been logged, including as part of the former mining operations. Soil surfaces consist primarily of dense leaf litter, downed tree branches and cobble to boulder-sized rock. Most of the vegetation at the Site has developed over the past 50 years.

Tree species present at the Site include: red and white oak, chestnut oak, tulip poplar, black and yellow birch, American beech, sugar maple, green and white ash, eastern cottonwood, slippery elm, and sassafras. The present composition of mature trees 50 to 60 feet high with a closed canopy is dominated by tulip poplar, black and yellow

birch, american beech, sugar maple, chestnut oak, white oak and red oak. The understory is composed of trees of the same species along with ironwood, serviceberry, and sassafras.

The shrub layer is composed of staghorn sumac, multiflora rose, wineberry, autumn olive, black raspberry, winged euonymus, buckhorn, witch hazel, spicebush, and maple leaf viburnum. The herbaceous layer is composed of succession species including: deer-tongue panicum, pokeberry, garlic mustard, joe-pye-weed, bracken fern, goldenrods, mullein, and a number of other grass species. Poison ivy, fox grape, Virginia creeper, mile-a minute, and Asiatic bittersweet are major woody vine species.

Wetlands vegetation consists of skunk cabbage, jewelweed, cinnamon fern, Christmas fern, sensitive fern, tear-thumb, and fringed loosestrife. Additional shrub species include sweet pepperbush, winterberry and multiflora rose.

Much of the shrub vegetation appears to have indications of heavy browsing by deer, especially the fringed loosestrife and jewelweed.

1.2 Geology and Hydrogeology

1.2.1 Regional Geology/Hydrogeology

The site is located in the southeastern extension of the New England Highlands Physiographic Province. The portion located in New Jersey is known as the New Jersey Highlands. In areas of well-foliated gneiss, the topography of the Highlands consists of northeast-southwest trending parallel ridges. The more common, less foliated gneiss forms rounded or broad-topped topographic highs. Granite gneiss and pegmatite form sharp ridges separated by narrow troughs underlain by less resistant gneiss. Valleys found between the ridges contain glacial and stream sediment deposits. Major cross faults are visible as trench-like features which interrupt drainage. Those faults strike approximately east-west across the predominant northeast strike of the major ridges and valleys (Hotz, 1953).

Structural features of the Highlands, which are regionally related either spatially or tectonically, include folds, faults, lineation trends, and jointing. The Highlands has experienced a complex history of folding and faulting, the result of both Precambrian and post-Precambrian tectonism. The formation of the Highlands and the associated faulting and folding which produced structural complexities in the region occurred

during the closing periods of the Paleozoic Era concurrently with the formation of the Appalachian Mountains (Woodward-Clyde Consultants, 1988).

The Highlands in Passaic County are drained by the Pequannock, Wanaque, and Ramapo Rivers which ultimately join to form the Pompton River, a tributary of the Passaic River. The drainage pattern north of the terminal moraine in the New Jersey Highlands is classified as deranged, and is marked by many poorly drained areas of lakes and swamps. Greenwood Lake and Lake Hopatcong are large lakes that were formed by the blocking of preglacial drainage courses. South of the terminal moraine, stream drainage generally follows structural valleys toward the southwest (Woodward-Clyde Consultants, 1988).

1.2.2 Site Geology/Hydrogeology

The site terrain is mountainous with peaks up to 900 feet above sea level and valleys are generally below 500 feet in elevation. The bedrock at the site consists primarily of Precambrian gneiss and some amphibolites and pegmatite. Bedrock in the valleys and other topographically low areas is generally covered by overburden which consists of unconsolidated and reworked glacial deposits and weathered bedrock. In some areas, the overburden is overlain by excavated rock, mine tailings, refuse, and fill soil.

The iron ore found in Ringwood is thought to be hydrothermal deposits consisting primarily of magnetite that replaced pyroxene amphibolite and skarn rocks. The iron ore formed around the same time as emplacement of granite and pegmatite, which was about 950 million years ago.

Unconsolidated soil and sediment deposits are primarily confined to the stream valleys and corridors. The unconsolidated deposits appear to have the greatest thickness in the eastern and southern parts of the Site. Glacial deposits blanket the lower slopes of ridges and hills and consist of heterogeneous mixtures of silt, sand and gravel with boulders; typical of a ground moraine. The stream deposits are observed within the floodplains of the creeks and swamps and consist of clay and silt with some sand and gravel. These stream deposits are thought to be primarily derived from reworking of the glacial sediments.

There are four drainage basins within the site and as a result, there are four streams that essentially drain the site. They include Mine Brook, Peters Mine Brook, Park Brook and an unnamed tributary of Ringwood Creek identified by ARCADIS for the

purposes of this RI as North Brook. Peters Mine Brook joins Mine Brook along the southern Site boundary. Mine Brook flows into Ringwood Creek, just upstream of the Wanaque Reservoir. Park Brook and North Brook each flow into Furnace Dam Pond to the southeast of the Ringwood Site, and subsequently to the Ringwood River about one mile upstream of its confluence with the Wanaque Reservoir. The locations of these streams are shown on Figure 2.

Groundwater at the Site occurs in the overburden and bedrock, more specifically, overburden/shallow bedrock (upper aquifer) and the deep bedrock (lower aquifer). The upper aquifer exists on the order of tens to hundreds of feet below the site and the lower aquifer exists on the order of hundreds to perhaps thousands of feet below the site. The transition from the upper to lower aquifer is gradual and the connectivity between the two is limited due to poor vertical permeability.

The direction of groundwater flow in the lower and upper aquifers of the PMP is generally to the southeast. Groundwater in the upper aquifer discharges to streams creating baseflow in the perennial streams. As shown on Figure 2, surface water within the streams ultimately discharges into the Wanaque Reservoir, located approximately one mile from the confluence of Park Brook, North Brook, Mine Brook and the Ringwood River (Woodward-Clyde Consultants, 1988).

2. Study Area Investigation

The scope of work completed under this investigation included the following:

- Fill material characterization
    - Trench and test pit excavation;
    - Drilling and coring program;
    - Sample collection and analysis;
- Groundwater and surface water characterization
    - Preparation of a hydrogeological conceptual model;
    - Installation and development of monitoring wells;
    - Water-level monitoring program;
    - Monitoring well and surface-water sampling and analysis;
- Sediment Sampling and characterization

2.1 Fill Material Characterization

2.1.1 Test Trench and Test Pit Excavation

Two test trenches and seven test pits were excavated with a tracked excavator to characterize fill materials on the perimeter of the PMP. The test trench excavations were performed to provide the following specific information:

- Types of fill materials. The fill materials were thought to potentially include mine tailings, construction and demolition debris, general manufacturing wastes, general municipal wastes, paint sludge, drum remnants and miscellaneous fill;

- Fill layering characteristics (e.g., intermingling or segregation of fill materials, presence of soil cover layers).

Waste materials were field screened with a photoionization detector (PID) for health and safety and environmental impact information. The trenching field work was performed utilizing Level D health and safety protocols.

Trench Excavations

Two test trenches (TT01 and TT02) were excavated during the period from March 7 to March 19, 2006 to characterize fill materials on the perimeter of the PMP.

Each trench was excavated in a perpendicular direction from the edge of water within the pit and continued until the edge of fill was encountered. The completion depth of each test trench was determined by the presence of native soil, undisturbed mine tailings, bedrock or water. The locations of the two trench locations are shown on Figure 3. The field logs are set forth in Appendix A.

Cross sections of the test trenches TT01 and TT02 that illustrate the layering of the fill material observed within the subsurface are shown on Figures 4 and5, respectively.

The waste materials encountered in Test Trench 1 (TT01) consisted of debris material, three drum remnants and three limited areas of paint sludge. The material encountered from Test Trench 2 (TT02) included debris material, one drum remnant and five limited areas of paint sludge. The drums and remnants encountered within the trenches were rusted, crushed with no integrity (i.e., liquids or solids were not present). The limited paint sludge encountered was observed to be intermixed with soils and consolidated as pieces, chunks and/or masses that varied in color from blue to gray.

Test Pits

To help confirm the limits of fill around the PMP, seven test pits (TP-1, TP-4, TP-5, TP-6, TP-9, TP-10A, and 10B) were excavated on March 6 and March 7, 2006.

The test pits were logged using the same criteria as the test trenches described above. The test pit field logs are provided in Appendix A, and the subsurface logs from each test pit are summarized on a plan view map showing the relationship to the pit and fill material extent on Figure 6.

Fill materials encountered within the test pits included debris material, drums remnants, and limited paint sludge pieces. Debris materials were identified within each of the seven test pits while paint sludge was identified within two of the seven test pits. Drum remnants were also identified in one of the seven test pits (TP-6). The drum remnants encountered within the test pits were rusted, crushed with no integrity. Paint sludge within one of the two test pits (TP-1) was observed to be a thin continuous flow

approximately six inches thick, while paint sludge within the second test pit (TP-9) was observed over a greater depth range; but appeared to be pieces intermixed with soil rather than as a continuous mass.

In January 2011, ARCADIS conducted targeted removal activities to excavate and remove areas of paint sludge identified during the 2006 test trench and test pit investigations. Specifically, paint sludge identified in test trench TT-01and TT-02 and test pits TP-01 and TP-09 was excavated and disposed off site. Laboratory analytical results for waste characterization samples collected as necessary to obtain waste stream approval prior to offsite disposal are included in Appendix B.

An additional area of paint sludge identified north of the Peters Mine Pit, identified as SR-13, was identified in April 2011. Voluntarily excavation and disposal of the paint sludge and soil by Ford is currently in progress and nearing completion. The results of the investigation and remedial action of this area will be documented in a Technical Memorandum to be submitted to the agencies under separate cover.

2.1.2 Directional Borings Installation

Four borings (SC-01, SC-02, SC-03, and SC-03A) were advanced to the sidewall or base of the PMP at specified angles using rotosonic drilling techniques. This allowed wastes in the pit to be field screened and visually characterized. The four borings were drilled between March 21 and April 3, 2006. The boring locations are shown on Figure 3.

Given a 20 foot set back from the edge of the pit and accounting for a 1:1.5 former overburden slope at the edge of the former pit, an approximate angle of 49 degrees from horizontal was used to fully penetrate fill materials in PMP. Total boring lengths ranged from 90 to 150 feet with the vertical depths ranging from approximately 68 to 113 feet.

Conceptual cross-sections of the PMP depicting the estimated depth and width of the pit and fill characterization based on the directional borings logs are provided on Figures 7 and 8. Results of sampling within the pit are shown graphically on Figure 9. The rotosonic soil boring logs are provided in Appendix D. As shown in thel boring logs, the PMP fill consists mainly of intermixed soils,debris, and mine tailings which are underlain by mine tailings.

Bedrock was encountered in each boring except for boring SC-03 where concrete was encountered at approximately 67 feet bgs. It is believed that the concrete encountered is part of the collar surrounding the inclined Peters Mine Shaft. The bedrock encountered in the other three borings was indicative of the sidewalls or bottom of the PMP. The depth at which bedrock was encountered indicates that the pit dimensions are consistent with descriptions found in the literature regarding the PMP. The bedrock observed in the rotosonic cores indicates that the bedrock faces of the pit walls and bottom are slightly weathered to unweathered.

ARCADIS collected a soil/solid waste sample from each 10-foot core recovered during the advancement of the four borings through the fill material in the PMP. Samples for analysis were collected based on visual appearance and screening for volatile organic compounds using a PID. Sample recovery from cores was close to 100% in unsaturated fill, and averaged 65% in saturated fill. The sampling intervals are listed in Table 1. Larger sampling intervals are indicative of situations in which poor core recovery necessitated sample collection over a longer core length.

The results of the samples collected within the PMP were compared to both the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and Impact to Groundwater Soil Cleanup Criteria (IGWSCC) and the 2008 New Jersey Department of Environmental Protection's (NJDEP's) Residential Direct Contact Soil Remediation Standards (RDCSRS) and Impact to Groundwater Default Soil Screening Levels (IGWDSSL). The analytical results for samples collected within the pit are presented in Tables 2 and 3, respectively. Input values for the calculation of site-specific IGWDSSL are presented in Appendix C.

Comparison of Soil Boring Data to Residential Direct Contact Soil Remediation Standards

As previously stated, Table 2 compares the analytical results to both the previous RDCSSC and the 2008 RDCSRS. In comparison to the RDCSRS which are in effect as of the date of this revised RIR, the results indicate the following:

- There were no VOCs detected at concentrations above the RDCSSC or RDCSRS in any of the 38 samples collected within the PMP

- As summarized in Table 2, SVOCs were reported at concentrations above their respective RDCSRS in fourteen of 38 samples, specifically:

- Benzo(a)anthracene was detected above the RDCSRS of 0.6 mg/kg in the samples collected from SC-01(54-56) at 3.63 mg/kg, SC-01(70-80) at 69.1 mg/kg, SC-01(93-95) at 0.613 mg/kg, and SC-03(24-26) at 1.95 mg/kg;

- Benzo(a)pyrene was detected above the RDCSRS of 0.2 mg/kg in the samples collected from SC-01(54-56) at 3.37 mg/kg, SC-01(70-80) at 65.2 mg/kg, SC-01(88-90) at 0.269 mg/kg, SC-01(93-95) at 0.687 mg/kg, SC-01 (104-106) at 0.351 mg/kg, SC-02(74-76) at 0.309 mg/kg, SC-03(24-26) at 1.64 mg/kg, and SC-03A(21-23) at 0.254 mg/kg;

- Benzo(b)fluoranthene was detected above the RDCSRS of 0.6 mg/kg in the samples collected from SC-01(54-56) at 2.75 mg/kg, SC-01(70-80) at 53 mg/kg, and SC-03(24-26) at 1.44 mg/kg;

- Benzo(k)fluoranthene was detected above the RDCSRS of 6.0 mg/kg in the sample SC-01(70-80) at 49.9 mg/kg;

- Bis(2-Ethylhexyl)phthalate was detected above the RDCSRS of 35 mg/kg in the samples collected from SC-01(88-90) at 57.9 mg/kg, SC-01(93-95) at 213 mg/kg, SC-02(38-40) at 85.7 mg/kg, SC-02(44-46) at 40.2 mg/kg, SC-02(82-84) at 4,260 mg/kg, SC-02(116-118) at 53.1 mg/kg, SC-03(24-26) at 37.9 mg/kg, SC-03A(58-60) at 1,460 mg/kg, and SC-03A(64-66) at 167 mg/kg;

- Chrysene was detected above the RDCSRS of 62 mg/kg in the sample collected from SC-01(70-80) at 65.3 mg/kg;

- Dibenzo(a,h)anthracene was detected above the RDCSRS of 0.2 mg/kg in the samples collected from SC-01(54-56) at 0.405 mg/kg, SC-01(70-80) at 10.5 mg/kg, and SC-03(24-26) at 0.439 mg/kg;

- Indeno(1,2,3-cd)pyrene was detected above the RDCSRS of 0.6 mg/kg in the samples collected from SC-01(54-56) at 1.85 mg/kg, SC-01(70-80) at 36.3 mg/kg, and SC-03(24-26) at 0.887 mg/kg;

- Naphthalene was detected above the RDCSRS of 6.0 mg/kg in the sample collected from SC-01(70-80) at 40.2 mg/kg.

- Pentachlorophenol was detected above the RDCSRS of 3.0 mg/kg in the sample collected from SC-01(93-95) at 8.15 mg/kg.

- As summarized in Table 2, PCBs were detected above the Total PCB RDCSRS of 0.2 mg/kg in fifteen of the 38 samples collected, specifically:

  - PCB Arochlor 1242 was detected above the RDCSRS in the samples collected from SC-01(40-50) at 0.229 mg/kg, SC-01(63-65) at 0.555 mg/kg, SC-01(88-90) at 0.428 mg/kg, SC-01(93-95) at 5.44 mg/kg, SC-01(104-106) at 0.247 mg/kg, SC-02(92-94) at 0.606 mg/kg, and SC-03A(42-44) at 0.304 mg/kg.

  - PCB Arochlor 1248 was detected above the RDCSRS of 0.2 mg/kg in the samples collected from SC-02(44-46) at 1.32 mg/kg, SC-02(116-118) at 1.29 mg/kg, and SC-03A(58-60) at 1.71 mg/kg.

  - PCB Arochlor 1254 was detected above the RDCSRS of 0.2 mg/kg in the sample collected from SC-02(44-46) at 1.38 mg/kg, SC-03(24-26) at 0.648 mg/kg, SC-03(44-46) at 1.12 mg/kg, SC-03A(21-23) at 0.844 mg/kg, and SC-03A(58-60) at 1.72 mg/kg.

  - PCB Arochlor 1260 was detected above the RDCSRS of 0.2 mg/kg in the samples collected from SC-01(54-56) at 0.724 mg/kg, SC-01(93-95) at 0.971 mg/kg, SC-02(38-40) at 3.88 mg/kg, SC-02(44-46) at 0.405 mg/kg, SC-03(44-46) at 0.224 mg/kg, SC-03A(21-23) at 0.64 mg/kg, and SC-03A(58-60) at 0.278 mg/kg.

- The pesticide dieldrin was detected in only one of the 38 samples at a concentration above the RDCSRS of 0.04 mg/kg, specifically sample collected from SC-01(93-95) at 2.98 mg/kg.

  As summarized in Table 2, several metals were detected at concentrations above their respective RDCSRS in twenty-four of the 38 samples collected, specifically:

  - Antimony was detected above the RDCSRS of 31 mg/kg in the sample collected from SC-01(88-90) at 9,800 mg/kg, SC-02(38-40) at

2,390 mg/kg, SC-03A(58-60) at 95.9 mg/kg, and SC-03A(64-66) at 136 mg/kg.

- Arsenic was detected above the RDCSRS of 19 mg/kg in the samples collected from SC-01(30-40) at 23.3 mg/kg – Method 6020, SC-01(40-50) at 49.1 mg/kg, SC-01(63-65) at -(72 mg/kg – Method 6020, SC-01(70-80) at 32.4 mg/kg, SC-01(144-146) at 24 mg/kg, SC-02(38-40) at 19.5 mg/kg, SC-02(74-76) at 35.1 mg/kg, SC-02(82-84) at 57.4 mg/kg, SC-02(92-94) at 82.4 mg/kg, SC-02(116-118) at 32.6 mg/kg, SC-02(124-126) at 22.6 mg/kg, SC-02(134-136) at 23.8 mg/kg, SC-02(144-145) at 23.2 mg/kg – Method 6020, SC-03(24-26) at 82.9 mg/kg, SC-03(44-46) at 53.3 mg/kg, SC-03A(21-23) at 78.7 mg/kg, SC-03A(58-60) at 22.3 mg/kg, SC-03A(64-66) at 22.6 mg/kg, SC-03A(98-100) at 28.8 mg/kg, and SC-03A(106-108) at 25.1 mg/kg.

- Lead was detected above the RDCSRS of 400 mg/kg in the samples collected from SC-01(88-90) at 8,300 mg/kg, SC-02(38-40) at 2,440 mg/kg, SC-02(82-84) at 477 mg/kg, SC-02(116-118) at 666 mg/kg, SC-03A(21-23) at 463 mg/kg, SC-03A(58-60) at 2,960 mg/kg, and SC-03A(64-66) at 2,520 mg/kg.

- Vanadium was detected above the RDCSRS of 78 mg/kg in the samples collected from SC-02(18-20) at 98.1 mg/kg, SC-02(116-118) at 109 mg/kg, SC-02(144-145) at 194 mg/kg, SC-03(16-18) at 86 mg/kg, and SC-03A(21-23) at 89.3 mg/kg.

Comparison of Soil Boring Data to Impact to Groundwater Default Soil Screening Levels

The following summarizes the findings based on comparison of the PMP soil analytical results to their respective IGWDSSL. As previously stated, Table 3 compares the analytical results to both the previous IGWSCC and the 2008 IGWDSSL. In comparison to the IGWDSSL which are in effect as of the date of this revised RIR, the results indicate the following:

- Eight of 38 samples had VOC concentrations above their respective IGWDSSL, specifically:

- Benzene exceeded the IGWDSSL of 0.005 mg/kg in the samples collected from SC-01(88-90) at 0.0541 mg/kg, SC-01(93-95) at 1.11 mg/kg, SC-01(104-106) at 0.192 mg/kg, SC-02(68-70) at 0.0067 mg/kg, SC-02(82-84) at 0.0807 mg/kg, SC-02(92-94) at 0.0063 mg/kg, SC-02(104-106) at 0.118 mg/kg, and SC-02(116-118) at 0.102 mg/kg.

- Ethylbenzene was reported above its IGWDSSL of 8.0 mg/kg in the samples collected from SC-01(110-120) at 13.5 mg/kg, SC-02(82-84) at 62.3 mg/kg, and SC-02(116-118) at 12.6 mg/kg.

- Methylene chloride was detected above its IGWDSSL of 0.007 mg/kg in the sample collected from SC-02(104-106) at 0.021 mg/kg.

- Toluene was detected above the IGWDSSL of 4.0 mg/kg in the sample collected from SC-01(93-95) at 50.6 mg/kg.

- Trichloroethene was detected above its IGWDSSL of 0.007 mg/kg in the sample collected from SC-02(74-76) at0.0897 mg/kg.

- Total xylenes were detected above the IGWDSSL of 12.0 mg/kg in the samples collected from SC-01(88-90) at 13.5 mg/kg, SC-01(93-95) at 23.1 mg/kg, SC-01(104-106) at 81.5 mg/kg, SC-02(68-70) at 38.2 mg/kg, SC-02(82-84) at 203 mg/kg, and SC-02(116-118) at 53.3 mg/kg.

- As summarized in Table 3, SVOCs were detected above the IGWDSSL in fifteen of the 38 soil samples collected, specifically:

  - 2-Methylnaphthalene was detected above the IGWDSSL of 5.0 mg/kg in the sample collected from SC-01(70-80) at 16.4 mg/kg.

  - Benzo(a)anthracene was detected above the IGWDSSL of 0.5 mg/kg in the samples collected from SC-01(54-56) at 3.63 mg/kg, SC-01(70-80) at 69.1 mg/kg, SC-01(93-95) at 0.613 mg/kg, and SC-03(24-26) at 1.95 mg/kg.

  - Benzo(a)pyrene was detected above the IGWDSSL of 0.2 mg/kg in the samples collected from SC-01(54-56) at 3.37 mg/kg, SC-01(70-80) at 65.2 mg/kg, SC-01(88-90) at 0.269 mg/kg, SC-01(93-95) at

0.687 mg/kg, SC-01(104-106) at 0.351 mg/kg, SC-02(74-76) at 0.309 mg/kg, SC-03(24-26) at 1.64 mg/kg, and SC-03A(21-23) at 0.254 mg/kg.

- Benzo(b)fluoranthene was detected above the IGWDSSL of 2.0 mg/kg in the samples collected from SC-01(54-56) at 2.75 mg/kg and SC-01(70-80) at 53 mg/kg.

- Benzo(k)fluoranthene was detected above the IGWDSSL of 2.0 mg/kg in the sample collected from SC-01(70-80) at 49.9 mg/kg.

- Bis(2-Ethylhexyl)phthalate was detected above the IGWDSSL of 790 mg/kg in the samples collected from SC-02(82-84) at 4,260 mg/kg and SC-03A(58-60) at 1,460 mg/kg.

- Chrysene was detected above the IGWDSSL of 52 mg/kg in the sample collected from SC-01(70-80) at 65.3 mg/kg.

- Dibenzo(a,h)anthracene was detected above the IGWDSSL of 0.5 mg/kg in the sample collected from SC-01(70-80) at 10.5 mg/kg.

- Indeno(1,2,3-cd)pyrene was detected above the IGWDSSL of 5.0 mg/kg in the sample collected from SC-01(70-80) at 36.3 mg/kg.

- Naphthalene was detected above the IGWDSSL of 16 mg/kg in the sample collected from SC-01(70-80) at 40.2 mg/kg.

- N-Nitrosodiphenylamine was detected above the IGWDSSL of 0.2 mg/kg in the samples collected from SC-01(30-40) at 0.334 mg/kg, SC-01(88-90) at 0.879 mg/kg, SC-01(104-106) at 0.604 mg/kg, SC-02(38-40) at 0.334 mg/kg, SC-02(44-46) at 0.207 mg/kg, SC-02(74-76) at 0.539 mg/kg, SC-02(82-84) at 0.627 mg/kg, SC-03(44-46) at 0.283 mg/kg, SC-03A(21-23) at 0.349 mg/kg, SC-03A(58-60) at 0.869 mg/kg, and SC-03A(64-66) at 0.464 mg/kg.

- Pentachlorophenol was detected above the IGWDSSL of 0.3 mg/kg in the sample collected from SC-01(93-95) at 8.15 mg/kg.

- As summarized in Table 3, PCBs were detected at concentrations above theTotal PCB IGWDSSL of 0.2 mg/kg in fifteen of the 38 soil samples, specifically:PCB Arochlor 1242 was detected above the IGWDSSL in the samples collected from SC-01(40-50) at 0.229 mg/kg, SC-01(63-65) at 0.555 mg/kg, SC-01(88-98) at 0.428 mg/kg, SC1(93-95) at 5.44 mg/kg, SC-01(104-106) at 0.247mg/kg, SC-01(92-94) at 0.606 mg/kg, and SC-03A(42-44) at 0.304 mg/kg.

- PCB Arochlor 1248 was detected above the IGWDSSL of 0.2 mg/kg in the samples collected from SC-02(44-46) at 1.32 mg/kg, SC-02(116-118) at 1.29 mg/kg, and SC-03A(58-60) at 1.71 mg/kg.

- PCB Arochlor 1254 was detected above the IGWDSSL of 0.2 mg/kg in the samples collected from SC-02(44-46) at 1.38 mg/kg, SC-03(24-26) at 0.648 mg/kg, SC-03(44-46) at 1.12 mg/kg, SC-03A(21-23) at 0.844 mg/kg, and SC-03A(58-60) at 1.72 mg/kg.

- PCB Arochlor 1260 was detected above the IGWDSSL of 0.2 mg/kg in the samples collected from SC-01(54-56) at 0.724 mg/kg, SC-01(93-95) at 0.971 mg/kg, SC-02(38-40) at 3.88 mg/kg, SC-02(44-46) at 0.405 mg/kg, SC-03(44-46) at 0.224 mg/kg, and SC-03A(21-23) at 0.64 mg/kg.

- As summarized in Table 3, the Pesticide dieldrin was detected at concentrations above the IGWDSSL of 0.003 mg/kg in five of the 38 soil samples, specifically,SC-01(54-56) at 0.0034 mg/kg, SC-01(88-90) at 0.0072 mg/kg, SC-01(93-95) at 2.98 mg/kg, SC-02(18-20) at 0.0038 mg/kg, and SC-02(38-40) at 0.0364 mg/kg.

- As also summarized in Table 3, various metals were detected at concentrations above their respective IGWDSSL in each of the 38 soil samples collected, specifically:

  - Aluminum was detected above the IGWDSSL of 3,900 mg/kg in the samples collected from SC-01(30-40) at 7,310 mg/kg, SC-01(40-50) at 7,830 mg/kg, SC-01(54-56) at 7,860 mg/kg, SC-01(63-65) at 7,270 mg/kg, SC-01(70-80) at 9,030 mg/kg, SC-01(104-106) at 14,500 mg/kg, and SC-01(110-120) at 14,500 mg/kg, SC-01(128-130) at 5,870 mg/kg, SC-01(138-140) at 6,430 mg/kg, SC-01(144-146) at

5,540 mg/kg, SC-02(18-20) at 15,100 mg/kg, SC-02(24-26) at 10,200 mg/kg, SC-02 (44-46) at 6,190 mg/kg, SC-02(68-70) at 7,500 mg/kg, SC-02(74-76) at 8,190 mg/kg, SC-02(82-84) at 7,220 mg/kg, SC-02(92-94) at 5,060 mg/kg, SC-02(104-106) at 4,500 mg/kg, SC-02(144-145) at 4,290 mg/kg, SC-02(116-118) at 7,320 mg/kg, SC-02(124-126) at 4,060 mg/kg, SC-02(134-136) at 4,680 mg/kg, SC-03(16-18) 15,300 mg/kg, SC-03(24-26) at 7,920 mg/kg, SC-03(44-46) at 5,590 mg/kg, SC-03(75-77) at 14,200 mg/kg, SC-03(82-84) at 6,250 mg/kg, SC-03A(12-14) at 18,700 mg/kg, SC-03A(21-23) at 9,290 mg/kg, SC-03A(42-44) at 7,520 mg/kg, SC-03A(98-100) at 5,440 mg/kg, SC-03A(106-108) at 4,850 mg/kg, and SC-03A(110-112) at 10,700 mg/kg.

- Antimony was detected above the IGWDSSL of 6.0 mg/kg in the samples collected from SC-01(88-90) at 9,800 mg/kg, SC-01(93-95) at 9.6 mg/kg,SC-02(38-40) at 2,390 mg/kg, SC-02(44-46) at 9.7 mg/kg, SC-02(116-118) at 18.3 mg/kg, SC-03(44-46) at 7.9 mg/kg – Method 6020, SC-03A(21-23) at 21.2 mg/kg – Method 6020, SC-03A(58-60) at 95.9 mg/kg, and SC-03A(64-66) at 136 mg/kg.

- Arsenic was detected above the IGWDSSL of 19 mg/kg in the samples collected from SC-01(30-40) at 23.3 mg/kg – Method 6020, SC-01(40-50) at 49.1 mg/kg, SC-01(70-80) at 72 mg/kg – Method 6020, SC-01(70-80) at 32.4 mg/kg,SC-01(144-146) at 24 mg/kg, SC-02(38-40) at 19.5 mg/kg, SC-02(74-76) at 35.1 mg/kg, SC-02(82-84) at 57.4 mg/kg, SC-02(92-94) at 82.4 mg/kg, SC-02(144-145) at 23.2 mg/kg – Method 6020, SC-02(116-118) at 32.6 mg/kg, SC-02(124-126) at 22.6 mg/kg, SC-02(134-136) at 23.8 mg/kg, SC-03(24-26) at 82.9 mg/kg, SC-03(44-46) at 53.3 mg/kg, SC-03A(21-23) at 78.7 mg/kg, SC-03A(58-60) at 22.3 mg/kg, SC-03A(64-66) at 22.6 mg/kg, SC-03A(98-100) at 28.8 mg/kg, and SC-03A(106-108) at 25.1 mg/kg.

- Barium was detected above the IGWDSSL of 1,300 mg/kg in the samples collected from SC-01(104-106) at 2,520 mg/kg and SC-02(116-118) at 2,480 mg/kg.

- Beryllium was detected above the IGWDSSL of 0.5 mg/kg in the samples collected from SC-01(104-106) at 1.7 mg/kg, SC-02(18-20) at 0.73 mg/kg, SC-02(24-26) at 0.64 mg/kg,SC-02(68-70) at 0.64

mg/kg, SC-02(104-106) at 0.8 mg/kg, and SC-03(16-18) at 0.79 mg/kg.

- Cadmium was detected above the IGWDSSL of 1.0 mg/kg in the samples collected from SC-01(54-56) at 4.9 mg/kg, SC-01(88-90) at 44.7 mg/kg, SC-01(93-95) at 3.4 mg/kg, SC-01(104-106) at 34.4 mg/kg, SC-01(110-120) at 2.4 mg/kg, SC-02(38-40) at 6.5 mg/kg, SC2(44-46) at 3.3 mg/kg, SC-02(104-106) at 2 mg/kg, SC-03A(21-23) at 41.9 mg/kg, SC-03A(58-60) at 13.5 mg/kg, and SC-03A(64-66) at 50.2 mg/kg.

- Lead was detected above the IGWDSSL of 59 mg/kg in the samples collected from SC-01(40-50) at 176 mg/kg, SC-01(54-56) at 336 mg/kg, SC-01(88-90) at 8,300 mg/kg, SC-01(104-106) at 128 mg/kg, SC-01(110-120) at 82.3 mg/kg, SC-02(18-20) at 120 mg/kg, SC-02(38-40) at 2440 mg/kg, SC-02(44-46) at 231 mg/kg, SC-02(74-76) at 69.8 mg/kg, SC-02(82-84) at 477 mg/kg, SC-02(104-106) at 62 mg/kg, SC-02(116-118) at 666 mg/kg, SC-02(24-26) at 101 mg/kg, SC-03(44-46) at 107 mg/kg, SC-03(75-77) at 68.6 mg/kg, SC-03A(21-23) at 463 mg/kg, SC-03A(58-60) at 2,960 mg/kg and SC-03A(64-66) at 2,520 mg/kg.

- Manganese was detected above the IGWDSSL of 42 mg/kg in the samples collected from SC-01(30-40) at 326 mg/kg, SC-01(40-50) at 390 mg/kg, SC-01(54-56) at 302 mg/kg, SC-01(63-65) at 326 mg/kg, SC-01(70-80) at 257 mg/kg, SC-01(88-90) at 262 mg/kg, SC-01(104-106) at 1,060 mg/kg, SC-01(110-120) at 648 mg/kg, SC-01(128-130) at 294 mg/kg, SC-01(138-140) at 188 mg/kg, SC-01(144-146) at 237 mg/kg, SC-02(18-20) at 466 mg/kg, SC-02(24-26) at 472 mg/kg, SC-02(38-40) at 244 mg/kg, SC-02 (44-46) at 96.6 mg/kg, SC-02(68-70) at 338 mg/kg, SC-02(74-76) at 405 mg/kg, SC-02(82-84) at 304 mg/kg, SC-02(92-94) at 261 mg/kg, SC-02(104-106) at 355 mg/kg, SC-02(144-145) at 497 mg/kg, SC-02(116-118) at 303 mg/kg, SC-02(124-126) at 160 mg/kg, SC-02(134-136) at 175 mg/kg, SC-03(16-18) at 355 mg/kg, SC-03(24-26) at 411 mg/kg, SC-03(44-46) at 279 mg/kg, SC-03(75-77) at 310 mg/kg, SC-03(82-84) at 254 mg/kg, SC-03A(12-14) at 344 mg/kg, SC-03A(21-23) at 391 mg/kg, SC-03A(42-44) at 310 mg/kg, SC-03A(58-60) at 120 mg/kg, SC-03A(64-66) at

71.4 mg/kg, SC-03A(98-100) at 249 mg/kg, SC-03A(106-108) at 200 mg/kg, and SC-03A(110-112) at 361 mg/kg.

- Mercury was detected above the IGWDSSL of 0.1 mg/kg in the samples collected from SC-01(30-40) at 0.16 mg/kg, SC-01(40-50) at 1.0 mg/kg, SC-01(63-65) at 0.18 mg/kg, SC-01(70-80) at 0.22 mg/kg, SC-01(88-90) at 0.55 mg/kg, SC-01(93-95) at 0.84 mg/kg, SC-01(104-106) at 0.14 mg/kg, SC-02(18-20) at 0.27 mg/kg, SC-02(38-40) at 0.18 mg/kg, SC-02 (44-46) at 0.27 mg/kg, SC-02(74-76) at 0.16 mg/kg, SC-02(92-94) at 0.13 mg/kg, SC-02(116-118) at 0.52 mg/kg, SC-03(16-18) at 0.13 mg/kg, SC-03(24-26) at 0.12 mg/kg, SC-03(44-46) at 0.12mg/kg, SC-03(75-77) at 0.12 mg/kg, SC-03A(21-23) at 0.18 mg/kg, SC-03A(42-44) at 0.12 mg/kg, SC-03A(58-60) at 0.27 mg/kg, and SC-03A(64-66) at 0.45 mg/kg.

- Nickel was detected above the IGWDSSL of 31 mg/kg in the samples collected from SC-01(88-90) at 106 mg/kg, SC-02(44-46) at 33 mg/kg, SC-03(75-77) at 40 mg/kg, and SC-03A(12-14) at 40.9 mg/kg.

- Zinc was detected above the IGWDSSL of 600 mg/kg in the samples collected from SC-01(88-90) at 1,150 mg/kg, SC-01(104-106) at 686 mg/kg, SC-02(38-40) at 4,400 mg/kg, SC-02(44-46) at 606 mg/kg, SC-03(44-46) at 837 mg/kg, SC-03(75-77) at 816 mg/kg, SC-03A(21-23) at 2,010 mg/kg, SC-03A(58-60) at 4,100 mg/kg, and SC-03A(64-66) at 838 mg/kg.

2.2 Groundwater and Surface Water Investigations

Overburden and bedrock monitoring wells and boreholes (OB-19, OB-20A, OB-20B, OB-21, RW-5, RW-6, RW-7 and RW-11) were installed around the outside of the PMP to characterize groundwater flow and quality in the vicinity of the PMP and to evaluate the relationship between materials within the pit and groundwater quality in the overburden and bedrock. Well SC-1 was also constructed in rotosonic boring SC-01 to characterize groundwater quality within the pit. The well locations were selected to determine and monitor the vertical and horizontal hydraulic gradients and groundwater quality within the pit, overburden, and bedrock aquifers.

Surface water samples were also collected from the pond within the PMP in the vicinity of each staff gauge location during the 2006 investigation. The well locations are

shown on Figure 10 and the staff gauge locations which correspond to the surface-water sampling locations in the pit are shown on Figure 3.

2.2.1 Well Installation in Boring SC-01

Borehole location SC-01 was completed as a monitoring well to assess the quality of groundwater in contact with fill and solid waste materials within the PMP. The target depth of the well screen was based on field evidence of potential impacts. The well was constructed with a 2-inch inside diameter Schedule 40 PVC riser and screen, with a screened length of 10 feet. The screened interval was installed 99 to 109 feet down the borehole or a depth interval of 74.7 to 82.3 feet bgs. The boring logs and monitoring well construction logs for the rotosonic boreholes and SC-01 are attached as Appendices D and E, respectively.

2.2.2 Overburden Monitoring Wells

Overburden aquifer monitoring wells were installed just beyond the former limits of the PMP at four locations (OB-19, OB-20A, OB-20B, and OB-21).

Overburden monitoring wells were installed with a rotary drill rig equipped with hollow stem augers. At each location, soil borings were advanced to the top of bedrock to characterize the entire thickness of overburden at a given location. Monitoring wells were constructed in accordance with NJDEP guidelines and constructed with a 2-inch inside diameter Schedule 40 PVC riser and screen. The borehole completion logs detailing monitoring well construction details are provided in Appendix E.

2.2.3 Bedrock and Fracture Investigation

Bedrock investigations included drilling and logging boreholes in bedrock (RW-5 through RW-7 and RW-11), down-hole geophysics, and packer testing to investigate water bearing fractures identified by the down-hole geophysical survey. The geophysical logs and the report prepared by Geophysical Applications, Inc. are in Appendix F. It should be noted that RW-5 through RW-7 were originally named MW-19BR through MW-21BR, as they are labeled on the attached geophysical logs.

Down-hole geophysical televiewer data were used to plot rose diagrams to indicate the predominant down-dip azimuths of planar features observed in each well. The rose diagrams depict the fracture orientations of the dip of strike, which is not necessarily a primary flow pathway for groundwater. The majority of the fractures in RW-6, RW-7,

and RW-11 strike northeast-southwest, and in RW-5 strike east-west. The orientation of the strike in bedrock will be the primary transport flow direction of groundwater in the subsurface. Geologic Cross-Sections prepared based on the findings of the RI, including logs generated from borings and well installation and the down-hole geophysical data, have been prepared as further discussed in Section 2.3.

The geophysical borehole logs indicate that the bedrock is consistent with historical geological information and is mainly composed of foliated gneiss. The borehole completion logs for RW-3D, RW-11, and directional monitoring well SC-1 are provided in Appendix E.

Potential packer testing intervals were identified using the geophysical data and were proposed to USEPA. After review and discussion, USEPA approved the packer testing intervals on April 27, 2006. The same packer intervals were monitored again during the September/October 2006 and April 2007 sampling events.

Laboratory analytical results for the groundwater samples collected indicated that no VOCs or SVOCs were reported at concentrations that exceed New Jersey's Ground Water Quality Standards (GWQS) with the exception of benzene and bis(2-ethylhexyl)phthalate, which were reported at low concentrations just slightly above their respective GWQS, as described below. Several metals, including aluminum, manganese, and iron, were reported at similar concentrations as historic groundwater analytical results and the data indicate they are reflective of upgradient, background groundwater quality as documented at upgradient bedrock well RW-7. Packer test results were submitted to USEPA as a final deliverable on October 20, 2006.

2.2.4 Bedrock Well Casing Installation

The initial round of bedrock well installation within the bedrock boreholes was proposed to USEPA in a letter dated August 13, 2007. USEPA approved the installation of the well casing for this initial round of bedrock wells via e-mail on August 15, 2007.

The 2-inch diameter PVC well casing was installed with a slotted screen placed at the following intervals to complete the bedrock monitoring well network at PMP:

RW-5 **54-74 feet** (covers two bedrock water bearing zones:RW-5A, provides an upper bedrock monitoring point and monitors groundwater quality at the same vertical interval as slanted well SC-1 in the pit, which has

slotted casing from 64.4 to 70.9 feet), and **99 to 119 feet** (monitors water quality and potentiometric head below the bottom of the pit);

RW-6 **58-78 feet** (covers two bedrock water bearing zones of very low to low yield – named RW-6A, provides an upper bedrock monitoring point and monitors groundwater at the same vertical interval as slanted well SC-1) and **99 to 119** (monitors water quality and potentiometric head below the bottom of the pit); and

RW-7 **99-119 feet** (monitors upgradient groundwater quality and potentiometric head at a depth that corresponds to the bottom of the pit). Because there have been no constituents reported above the GWQS at any depth interval at this upgradient well location, this deeper interval was selected for background monitoring purposes.

The lower intervals were installed as cased wells in the existing rock boreholes. The upper intervals were installed in new rock boreholes, which were paired with the corresponding existing locations. The drilling of these newer bedrock boreholes and installation of well casing was performed on September 11 through 18, 2007.

2.2.5 Installation of Additional Open-hole Bedrock Wells

Open-hole bedrock wells RW-11 and RW-3D were installed at locations approved in advance by USEPA following multiple discussions and an onsite inspection. The wells were installed downgradient of the PMP Air Shaft specifically in response to the USEPA request to determine whether or not any of the constituents, including but not limited to benzene, reported within the PMP Air Shaft have or were migrating into fractures within the adjacent bedrock and to further characterize the downgradient extent of any constituents in groundwater downgradient of the PMP, respectively.

Bedrock monitoring wells RW-11 and RW-3 were sampled using inflatable packers to isolate specific intervals for groundwater sampling. Following agency approval of the packer intervals, the following packer testing intervals were sampled with RW-11 and RW-3D during the May/June 2010 and May 2011 monitoring event:

Monitoring Well ID	**Packer Intervals**
RW-11	100-125’ 142-167’

	221-246' (high-yield fracture) 252-272' (below base of PMP Air Shaft)
RW-3D	140-165' 170-181'

The packer interval of 221-246' within bedrock well RW-11 was chosen due to the very high flow rate (>30 gpm) observed during well installation. It is likely this fracture communicates directly with the Peters Mine shaft and/or the upper mine workings and it would therefore be an appropriate means of monitoring groundwater quality within the upper reaches of the shaft. The packer interval of 252-272' was chosen since it is deeper than the base of the Peters Mine Air Shaft, and would provide an indication of whether constituents with the air shaft were migrating deeper within the rock matrix. The packer intervals within bedrock well RW-3D were chosen to correspond with the anticipated depth of the Peters Mine Air Shaft at that well location several hundred feet to the southeast and downgradient of the PMP.

The Zone Isolation Sampling Technology (ZIST^{TM}) with multi-port/multi-level screens were installed within the RW-11 and RW-3D boreholes in December 2011. The following intervals were screened:

- RW-3D: 155-160 feet bgs and 175-180 feet bgs
- RW-11: 236-241 feet bgs and 262-267 feet bgs

The borehole completion logs for RW-3D and RW-11 are provided in Appendix E.

2.2.6 Groundwater Sampling

Pursuant to the USEPA-approved Post-Environmental Monitoring Program Sampling Work Plan, approved on August 24, 2004 and the August 8, 2006 Work Plan, ARCADIS performed groundwater sampling and monitored groundwater elevations at a total of up to 29 monitoring wells located at the Ringwood Mines/Landfill site. Sampling was conducted on a semi-annual basis from 2006 through 2009 and on an annual basis from 2010 through 2011.

The sampling and monitoring included the recently installed wells located at the Peters Mine Pit area. Specifically, these wells included the overburden and bedrock wells at locations OB-11R, OB-19, OB-20A, OB-20B, OB-21 and OB-27; RW-3D, RW-5, RW-6,

RW-7, RW-11, and the angled well constructed in rotosonic boring number 1 (SC-1), respectively. Well locations are shown on Figure 10.

ARCADIS collected groundwater samples from each well using the groundwater sampling and analytical procedures documented in the project-specific Quality Assurance Project Plan (QAPP). As specified in the Post-Environmental Monitoring Program Sampling Work Plan, each sample was analyzed for Target Analyte List ("TAL") inorganic compounds, Target Compound List ("TCL") organic constituents, and the anions chloride, sulfate, carbonate and bicarbonate, nitrate and phosphate.[1] The samples were analyzed at Accutest Laboratories in Dayton, NJ using the following SW-846 methodology as described in the USEPA-approved QAPP (May 2004):

- Volatile Organics – USEPA Method 8260B
- Semi-Volatile Organics – USEPA Method 8270C
- Metals – USEPA Methods 6010B/7470A
- Pesticides/PCBs – USEPA Methods 8081A/8082
- Cyanide – USEPA Method 9012A

For the April/October 2007 and later events, USEPA approved the deletion of pesticides from the analytical protocol because these compounds have not been detected in groundwater at the site.

Quality control samples were obtained in accordance with NJDEP and the project-specific QAPP procedures specified in the Work Plan. Both unfiltered (total metal) groundwater samples and filtered (dissolved metal) samples were analyzed for TAL metals in order to compare the results and account for a potential bias high in total metals concentrations due to elevated particulates in the sample and to evaluate any influence of geochemical conditions (specifically redox and pH) on the reported total and dissolved metals concentrations so that an interpretation of theanalytical data reflective of actual groundwater conditions could be conducted. All laboratory

[1] The cations (calcium, magnesium, potassium, and sodium) are included as target metals in the TAL inorganic compound analysis protocol.

analytical results were reviewed and validated by ARCADIS in accordance with the QAPP. Validation qualifiers and comments were added to the data tables as appropriate. No data were invalidated.

2.2.7 Air Shaft Sampling

In accordance with the groundwater sampling and analytical procedures documented in the QAPP and the May 24, 2007 Air Shaft Sampling Work Plan, groundwater samples have been collected from the Peters Mine Air Shaft concurrent with Site-wide groundwater sampling activities.

The PMP Air Shaft is a relic of the former mine operations and is a vertical structure that has concrete walls that connect into the upper bedrock to a depth of approximately 20 feet below grade. The shaft is approximately 232 feet deep and, based on a down-hole video and information gathered during research of the historic mine design and operations, reportedly intersects some of the upper horizontal tunnels and the angled mine shaft of the underground mine workings.

ARCADIS collected the first groundwater sample during each event at a depth of 180 feet along the west wall of the PMP Air Shaft. This depth was chosen to correspond to the shallower of the two horizontal shafts observed during down-hole video obtained from the air shaft. The second sample during each event was obtained from the base of the air shaft adjacent to the west wall at a depth of approximately 230 feet to correspond to the deeper horizontal shaft observed during the down-hole video.

The air shaft groundwater samples were tested for TAL inorganic compounds, TCL organic constituents, and the anions chloride, sulfate, carbonate and bicarbonate, nitrate and phosphate as described in Section 2.2.5 above.

2.3 Results of Groundwater Investigations

The results of the PMP Area groundwater monitoring conducted as part of the May/June 2010 and May 2011 Site-Wide Groundwater Sampling event are shown in Tables 4 and 5, respectively. Overall, the analytical results generated during these recent monitoring events are consistent with those of previous monitoring events conducted during the period from 2006 through 2009. Groundwater analytical results from sampling events conducted during the period from 2006 through 2009 are provided in Tables 6 through 12.

Individual bedrock sampling intervals were isolated using inflatable packers pressurized to 300 pounds per square inch during the Fall 2006, 2007, and 2008 as well as the Spring 2007 and 2008, sampling events at RW-5 through RW-7, and the May/June 2010 and May 2011 event at RW-3D and RW-11. The installation of slotted casing in wells RW-5, RW-5A, RW-6, RW-6A, and RW-7 subsequent to these events allowed for sample collection without the use of packers. Subsequent installations also occurred at bedrock well locations RW-3D and RW-11 in late 2011 therefore future sampling of these wells will not require the use of packers.

2.3.1 Overburden Groundwater Flow

Groundwater contours of equal groundwater elevation for the overburden aquifer as measured during the most recent measurement event conducted in January 2012 are shown in Figure 10. Depth to groundwater and groundwater elevation data are summarized in Table13.

Overall, the groundwater flow gradient within the overburden in the vicinity of the PMP is to the southeast from well OB-21 to the PMP and from the PMP towards wells OB-19 and OB-20.

Historical gauging data indicate that the surface water in the PMP pit is an expression of the unconfined overburden water bearing zone and there is no indication of a confining or semi-confining layer within saturated fill material within the PMP.

2.3.2 Bedrock Groundwater Flow

Groundwater contours of equal groundwater elevation for the deeper bedrock aquifer as measured during the most recent measurement event conducted in January 2012 are also shown in Figure 10. As shown, overall, the groundwater flow gradient within the deeper bedrock is to southeast as calculated from the groundwater elevations at wells RW-5/5A, RW-6/6A, RW-7, and RW-11. As discussed below, the bedrock potentiometric surface is typically higher than the surface water levels within the PMP pond and overburden aquifer by less than a foot to 10 feet with the greater difference on the downgradient side of the PMP Area causing an often vertically upward component of groundwater flow from the deeper bedrock to the lower overburden/shallow bedrock aquifers.

Water levels measured within the PMP Air Shaft have been consistently observed to be similar to the surface water elevation within the PMP pond as measured at the staff

gauge locations SG-1 through SG-3. This similarity is consistent with the hydrogeologic model for the site that indicates surface water and groundwater from the PMP have a hydraulic connection with the air shaft.

2.3.3 Hydrogeologic Conceptual Model

Groundwater level measurements from overburden and bedrock monitoring wells along with the PMP Pond, Park Brook, and the PMP Air Shaft during the nine groundwater sampling events conducted from 2006 to 2011 indicate that groundwater flow in the vicinity of the PMP is influenced by the mine pit which is effectively serving as a recharge feature as inferred by the differences in hydraulic conductivities between the overburden aquifer materials and secondary permeability of the fractured bedrock which is characterized by predominant vertical fracturing characteristic of the geologic setting of the Site. Although the water level data are not strictly synoptic for each event, the data indicate large groundwater elevation, or head, differences between the overburden and bedrock aquifers. The existence of these head differences suggests that there may be an impediment, or hindrance, to vertical groundwater flow between the overburden and bedrock aquifers. or a minimal, or lack of, vertical connectivity.

ARCADIS has prepared additional bedrock cross section figures identifying the PMP, the PMP Air Shaft, the inclined mine shaft, and overburden and bedrock monitoring wells in the vicinity of the PMP to provide additional information regarding the results of groundwater sampling, the orientation of fractures, overburden groundwater elevations, bedrock potentiometric elevations, and vertical and horizontal hydraulic gradients and flow pathways documented in the vicinity of the PMP. These geologic cross sections are provided as Attachment 1 to this document and were previously provided to the USEPA and NJDEP during a meeting held on February 9, 2012. As the USEPA is aware, additional data are being generated as part of the Supplemental Groundwater RI Work Plan for the Site-Related Groundwater AC which includes the PMP Area. The data from the PMP Area will be utilized to further develop the geologic cross-sections provided in this RIR and updated cross-sections and a more in-depth evaluation of the hydrogeologic component of the CSM for the Site will be incorporated into the RIR for the Site-Related Groundwater AC upon its submission to the agencies for review.

2.3.4 Groundwater Analytical Results

Results of sampling conducted during the period from 2006 through 2011 are summarized in Tables 4 through 12. The groundwater analytical results for the May

2011 sampling event for overburden and bedrock wells in the PMP Area are summarized on Figure 11.

Overall, the groundwater analytical results generated during the RI indicate the following:

- Only low levels of benzene were reported at overburden and bedrock wells at concentrations slightly exceeding NJDEP Groundwater Quality Standards (GWQS) over the course of the six years of routine groundwater monitoring at the Site with concentrations within the PMP at angled well SC-1 indicating only traces of benzene below its 1 ug/L GWQS during the last three consecutive sampling events, 2009 through 2011.

- There were no SVOCs reported in the overburden or bedrock groundwater during the most recent groundwater sampling event conducted in May 2011, with only bis (2-ethylhexyl) phthalate sporadically reported at levels above the NJDEP GWQS in certain bedrock wells during prior sampling events.

- There was no detection of any pesticide or PCBs in any of the groundwater samples collected from overburden or bedrock groundwater monitoring wells within or downgradient of the PMP or the PMP Air Shaft during any of the sampling events conducted during the course of the RI.

- Of the TAL metals, the data indicate the following:

    - With respect to iron and manganese, the data indicate the following:

        - Total (unfiltered) and dissolved (filtered) iron and manganese were reported at various concentrations above their respective NJDEP GWQS in overburden and bedrock groundwater, with elevated concentrations in most of the groundwater samples collected from the overburden and bedrock monitoring wells located within and downgradient of the PMP pit and Air Shaft.

          Background concentrations of these metals are also above the GWQS at wells located upgradient of any of the land AOCs, including well RW-7 located upgradient of the PMP itself.

- ✓ Dissolved iron and manganese concentrations generally correlate with areas in which moderately or slightly reducing geochemical conditions occur in groundwater in the overburden and/or bedrock as evidenced by low dissolved oxygen (DO) and low or negative Eh representing the oxidation-reduction potential (ORP) of the groundwater. See the summary of geochemical field parameters provided in Table 14.

- ✓ The data indicate that the reducing conditions are caused by the oxidation of detrital organic matter as well as residual organic constituents, including trace VOCs and possibly SVOCs. These natural chemical degradation processes may also be microbial facilitated (Vance, 1996).

- ✓ Additional investigation has been proposed as part of the Site-Related Groundwater AOC to further evaluate the biogeochemical conditions in the groundwater within the PMP, PMP Air Shaft and at select overburden and bedrock well locations.

- With respect to aluminum, the data indicate the following:

  - Total (unfiltered) aluminum was sporadically detected above its 200 ug/L GWQS downgradient of the PMP in overburden wells OB-20A and at bedrock wells RW-5A with concentrations ranging from 249 ug/L to 1,050 ug/L.

  - Total (unfiltered) aluminum was also reported above the GWQS at upgradient overburden well OB-21 at a concentration of 2,990 ug/L and at upgradient bedrock well RW-7 at a concentration of 4,770 ug/L.

  - There was no aluminum reported above its 200 ug/L GWQS in the dissolved (filtered) samples from any of the overburden or bedrock well locations, including wells OB-20A, OB-21, and RW-7.

- With respect to lead, the data indicate the following:

  - Total (unfiltered) lead was reported at concentrations above its 5 ug/L GWQS in downgradient overburden wells OB-11R and OB-20A and upgradient bedrock well RW-7 with historical concentrations ranging from 1.9 ug/L to 9.9 ug/L..

  - The concentration of total lead within angled well SC-1 between 2008 and 2011 ranged from 5.4 ug/L to 9.9 ug/L.

  - There was no lead reported above its 5 ug/L GWQS in the dissolved (filtered) samples from any of the overburden or bedrock well locations, including wells OB-11R, OB-20A, and RW-7 indicating that lead is not available for dissolution into groundwater at the Site.

2.3.5 Air Shaft Analytical Results

Results of sampling conducted within the PMP Air Shaft during the May 2011 event were generally consistent with the data collected during the period from 2006 through 2010. The analytical results from the period from 2006 are summarized in Tables 4 through 12. The analytical results indicate the following:

- Benzene was the only VOC detected at a concentration above the NJDEP GWQS in the PMP Air Shaft.

  - Benzene was reported at a concentration of 2.5 ug/L in the groundwater sample collected from a depth of 180 feet below ground surface.

  - Benzene was reported at a concentration of 33.2 ug/L in the groundwater sample collected from the base of the Air Shaft at a depth of approximately 230 feet below ground surface, which is consistent with the previous rounds of monitoring with the exception of the July 2009 sampling event during which a lower concentration of benzene was reported. Note that the data generated during all of the other sampling events has indicated an average concentration of approximately 26.76 ug/L of benzene at the base of the Air Shaft.

- As anticipated based on their low solubility in water, SVOCs were not reported above GWQS in the groundwater samples collected from depths of 180 feet and 230 feet below ground surface, with the exception of bis (2-Ethylhexyl) phthalate, which was reported at concentrations of 3.4 ug/L and 3.5 ug/L within samples obtained from depths of 180 feet and 230 feet, respectively, within the Peters Mine Air Shaft in October 2009.

- As also anticipated based on their low solubility in water, there were no PCBs reported above detection levels in groundwater samples collected from the 180 and 230 feet depth intervals within the PMP Air Shaft.

- With respect to TAL metals, total iron concentrations exceeded the NJDEP GWQS of 300 µg/L in the unfiltered and filtered sample collected at 180 feet within the air shaft at 22,400 ug/L and 5,930 ug/L, respectively, as well as the unfiltered and filtered samples collected from the sample collected at 230 feet within the air shaft at 132,000 µg/L and 83,700 µg/L, respectively.

    - The elevated dissolved iron concentrations correlate with the moderately to slightly reducing redox conditions reported within the PMP Air Shaft with more significantly reducing conditions occurring at the deeper sampling interval at the base of the shaft at 230 feet below ground surface as evidenced by the low DO and low and/or negative Eh. See the geochemical field parameters summarized in Table 14.

        - As previously stated, the data indicate that the reducing geochemical conditions are likely caused by the oxidation of detrital organic matter as has been documented within the Air Shaft and possibly residual organic constituents, including trace VOCs and possibly SVOCs. These natural chemical degradation processes may also be microbial facilitated (Vance, 1996).

        - Additional investigation has been proposed as part of the Site-Related Groundwater AOC to further evaluate the biogeochemical conditions in the groundwater within the PMP, PMP Air Shaft and at select overburden and bedrock well locations.

- Manganese concentrations exceeded the NJDEP GWQS of 50 µg/L in both the unfiltered and filtered samples collected at 180 feet within the PMP Air Shaft at 338 ug/L and 362 ug/L, respectively, as well as the unfiltered and filtered samples collected from the sample collected at 230 feet within the pit at 2,270 µg/L and 2,350 µg/L, respectively.

2.3.6 Surface Water Analytical Results

Surface water samples were collected from the pond within the PMP on November 28, 2006 in the vicinity of each of the three staff gauge locations, designated SG-1 through SG-3. The staff gauge locations are shown in Figure 3 and surface water sample locations are presented in Attachment 2. The analytical results from the 2005 surface water sampling event are summarized in Table 15. Tables 16 through 18 summarize the analytical results from the 2006, 2007 and 2011 surface water sampling events, respectively.

The surface water analytical results indicated the following:

- There were no TCL VOCs, SVOCs, PCBs, or pesticides detected above laboratory detection limits in any of the three surface water samples collected.

- With respect to TAL metals, the data indicate the following:

  - Total lead was detected in one of the three unfiltered samples at an estimated concentration of4.1 µg/L, which is below the NJDEP Surface Water Quality Standard (SWQS) of 5.0 µg/L.

  - Dissolved lead was not detected above the method detection limit in any of the three filtered samples indicating that lead is not available for dissolution.

  - Neither total or dissolved arsenic was detected above the method detection limit in any of the three surface water samples in either filtered or unfiltered samples.

  - Total iron was reported at concentrations significantly above the 5 ug/L GWQS (Iron has no SWQS) in the unfiltered samples but was not detected in the dissolved (filtered) samples.

Manganese was detected significantly above its SWQS of 100 µg/L in each of the unfiltered and filtered surface water samples.

Groundwater within the PMP was sampled at the angled well SC-1 location in May 2011 as part of the most recent groundwater sampling event at the Ringwood Site. The analytical results of sampling monitoring well SC-1 indicate the following:

- Benzene was not detected at a concentration above the NJDEP GWQS with only a trace 0.63 ug/L reported.
- There were no other TCL VOCs nor any SVOCs, PCBs, or pesticides detected at any concentration above their respective NJDEP GWQS within the PMP at this location.
- With respect to TAL metals:,
    - Total (unfiltered) and dissolved (filtered) iron and manganese were reported at concentrations above their respective NJDEP GWQS of 300 µg/ and 50 ug/L. Concentrations of total and dissolved iron were reported at 26,500 ug/L and 22,000 ug/L, respectively, and concentrations of total and dissolved manganese were reported at 290 ug/L and 272 ug/L, respectively.
    - As stated previously, concentrations of these metals are also above their respective GWQS at numerous site-wide wells located upgradient of land AOCs, including monitoring wells OB-1, RW-1, OB-6 and OB-7.
    - Dissolved iron and manganese concentrations generally correlate with areas in which moderately or slightly reducing geochemical conditions occur in groundwater in the overburden and/or bedrock as evidenced by low dissolved oxygen (DO) and low or negative Eh representing the oxidation-reduction potential (ORP) of the groundwater. See the summary of geochemical field parameters provided in Table 14.
    - Total (unfiltered) lead was reported at a concentration of 5.6 ug/L; slightly above its GWQS of 5 ug/L. Lead was not reported at a concentration above its GWQS in the dissolved (filtered) sample,

indicating that lead is not available for dissolution into groundwater at the Site.

With respect to seep sample locations, the data generated during the RI indicate the following:

- Benzene was reported within the former paint sludge removal area SR-3 seep at concentrations of 1.2 ug/L and 0.48 ug/L, respectively, during the 2010 and most recent May 2011 groundwater/surface water sampling events.

- With respect to TAL metals, total (unfiltered) iron and manganese were reported during the 2010 sampling event at concentrations of 19,400 ug/L and 420 ug/L, respectively, and during the most recent May 2011 sampling event at concentrations of 21,500 ug/L and 477 ug/L, respectively. Dissolved (filtered) iron and manganese were reported during the 2010 sampling event at concentrations of 256 ug/L and 415 ug/L, respectively and during the most recent May 2011 sampling event at concentrations of 2290 ug/L and 475 ug/L, respectively. The presence of benzene, iron, and manganese at similar concentrations in seep samples collected within SR-3 and within the PMP suggests that concentrations in the SR-3 seep is likely reflective of an influence of groundwater quality within the PMP area.

- Benzene has also been detected during previous sampling rounds within surface water in SR-3, SR-4, and in the Park Brook adjacent to the PMP(surface water sample SW-PAB-06, Table 17). Concentrations of benzene reported during these historic sampling events have, likewise, been similar to those identified in groundwater in the vicinity of the PMP, indicating a likely connective between the pit and surface water quality adjacent to the pit.

2.4 Sediment Sampling and Analytical Results

In accordance with the April 25, 2011 USEPA-approved sediment sampling work plan for the PMP Pond, sediment samples were collected from the PMP Pond in May 2011. The objective of the sampling was to evaluate the nature and quality of sediments within the pond, and to assess whether constituents of potential ecological concern (COPEC) were present within the pond sediments in association with the performance of the Screening-level Ecological Risk Assessment (SLERA) prepared for this area.

Sediment samples were collected from the base of the pond from the 0 to 6-inch depth interval for TCL SVOCs, PCBs, TAL Metals, Total Organic Carbon (TOC), and Grain Size. Samples for VOC analysis were collected from the base of the pond from the 6 to 12-inch depth interval using Encore® samplers (NJDEP, 2005).

Concentrations of COPEC were screened using NJDEP's ecological screening levels for sediment, or ecologically-based screening levels (EBSLs), in a manner similar to the method used in the PMP Area SLERA report (ARCADIS, 2011). This screening was consistent with NJDEP's Guidance for Sediment Quality Evaluations (NJDEP, 1998).

It should be noted that multiple EBSLs were used for comparison purposes to help put the results into context and to identify potential adverse environmental effects, such as effects on plant and animal populations and communities in the Effects Evaluation step. The EBSLs used in this evaluation were obtained from NJDEP as the primary source and some secondary sources where necessary. These EBSLs included the following:

- NJDEP sediment fresh water criteria for lowest effects level (LEL). The LEL represents the concentration at which adverse effects may begin to be seen in benthic organisms.

- USEPA Region 5 Ecological Screening Levels for sediment if NJDEP LEL values are unavailable.

- National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Table (SQuiRT) for sediment.

If available, the lowest-effect level (LEL) sediment screening values were used because they typically represent the most-conservative screening value for a given COPEC. Screening with severe effects levels (SELs) was also conducted if a COPC exceeded the LEL to put the exceedance into perspective.

The analytical results generated by the pond sampling indicate that the majority of COPECs were not detected in the sediment samples collected from the PMP Pond. Of those detected, PCB Aroclor 1260 and the SVOC bis(2-ethylhexyl)phthalate were the only organic compounds exceeding an LEL screening value. Several metals exceeded their respective LELs in one or more samples, including antimony, arsenic, cadmium, copper, lead, nickel, and zinc. Arsenic exceeded its LEL and SEL screening levels in

five out of six sediment samples. Arsenic was also the only COPEC to exceed a SEL value.

The complete Sediment Sampling Report was submitted to the USEPA on August 26, 2011 and was submitted as Attachment 1 of the January 3, 2012 SLERA Report. A copy of this August 25, 2011 Sediment Sampling Report is included as Attachment 3.

3. Nature and Extent of Impacts

This section provides a description of the nature and extent of impact in the PMP Area. Historical sampling data used to characterize the environmental conditions within the PMP and the Site are discussed in previous sections of this report and are summarized in Tables 2 through 18. The locations of sampling points, test pits, test trenches and monitoring wells are shown on Figure 3 of this RIR.

Constituents of Concern and Sources

The primary constituent of concern in the PMP Area is benzene. Benzene has been reported at low concentrations in isolated samples obtained from fill materials within the pit, as well as at low levels in surface water and groundwater within the pit, and in groundwater and surface water immediately adjacent to and in the vicinity of the PMP. Tables 2 through 18 summarize the concentrations of benzene identified in fill materials, surface water and groundwater.

Total xylenes, several SVOCs, certain PCB Arochlors, and several metals, including lead, arsenic, iron, manganese, aluminum, vanadium, etc, have also been identified within samples obtained from fill materials within the PMP. Soil samples collected from the three angled borings completed within the PMP indicate concentrations of lead above the NJDEP 2008 IGWDSSL in 18 of the 38 soil samples and concentrations above the 2008 RDCSSL in 7 of the 38 soil samples. In addition, soil samples from the three angled borings within the PMP indicate concentrations of arsenic above its NJDEP 2008 IGWDSSL in 20 of the 38 soil samples and concentrations above the 2008 RDCSSL in 19 of the 38 soil samples.

Note also that iron, manganese, lead and, to a lesser extent arsenic, have also been detected sporadically in groundwater within and downgradient of the PMP; however, these parameters have not been identified consistently in surface water or at distance downgradient beyond the immediate vicinity of the PMP. Note that total lead has been reported in groundwater at the angled well SC-01 located within the PMP itself, at concentrations slightly above the GWQS since sampling was initiated at this location.

Fill materials within and adjacent to the PMP were placed during a period of varied use of the Site for residential, municipal, and industrial refuse as well as for the disposal of materials from the Ford Mahwah Assembly plant. The data indicate that the mass loading and mass discharge of benzene within and from the PMP, respectively, is

quite small. The benzene could be associated with paint sludge as well a number of other potential sources within the fill materials.

USEPA Region 2 collected information from area residents regarding the type of game that are hunted at the Site to help inform the human health risk assessment (USEPA, 2010b**)**. Based on the information provided, USEPA collected samples of frogs, crayfish, squirrels, turkey, rabbits, and deer from the Site and analyzed their tissues to determine whether they contained detectable amounts of Site-related COPCs.

All game collected and analyzed by USEPA for use in evaluating potential human exposures were included in the BHHRA submitted by ARCADIS in March 2012 which was subsequently approved by USEPA on April 25, 2012.

All tissue samples were analyzed for SVOCs, including PAHs and PCBs, and metals. All game tissue, with the exception of the crayfish sample, was reported by the laboratory in milligrams per kilogram of dry weight tissue. The percent solids were also determined for each sample. The crayfish sample was too small to do the additional percent solid analysis, therefore the laboratory chose to analyze and report the crayfish in milligrams per kilogram of wet weight tissue. In order to make all of the data consistent, all of the concentrations reported in dry weight were transformed to wet weight by multiplying the concentration by the percent solids in each sample.

It should be noted that one turkey sample had a detectable concentration of PCB Aroclor 1260 but this constituent was not detected in any of the other tissue samples analyzed. In addition, because target analytes used by USEPA for the biota sampling varied over time, benzoic acid was included as an analyte for only the deer tissue analysis. Therefore, there are only six analytical results available for that constituent.

USEPA also collected information from local residents regarding the types of edible plants that are harvested from the Site. Based on the information provided, USEPA sampled wild strawberries, dandelions, wild carrots, wild mushrooms, and black raspberries and analyzed them to determine whether they contained detectable amounts of any Site-related compounds of potential concern (COPCs) (USEPA, 2010b). All plant tissues collected and analyzed by USEPA for use in evaluating potential human exposures were included in the COPC screening.

All plant tissue samples were analyzed for TCL SVOCs, including PAHs and PCBs, and TAL metals. All plant tissue collected in 2006 was reported by the laboratory in milligrams per kilogram of dry weight tissue. The percent solids were also determined

for each sample. All plant tissue collected in 2009 was reported by the laboratory in milligrams per kilogram of wet weight tissue. In order to make all of the data consistent, all of the concentrations reported in dry weight were transformed to wet weight by multiplying the concentration by the percent solids in each sample. Again, All game collected and analyzed by USEPA for use in evaluating potential human exposures are included in the BHHRA submitted by ARCADIS in May 2011.

4. Fate and Transport

Site-related constituents of concern have been detected in samples obtained from fill materials within the PMP at concentrations above the 2008 RDCSRS and/or IGWDSSL, including certain VOCs such as benzene, total xylenes, ethylbenzene, and to a lesser extent toluene, methylene chloride and trichloroethene; several SVOCs including multiple PAHs as well as bis(2-ethylhexyl) phthalate and to a lesser extent naphthalene, chrysene among others; several PCB Arochlors and a trace of the pesticide dieldrin; and several metals including antimony, aluminum, arsenic, cadmium, iron, lead, manganese, mercury and to a lesser extent barium, beryllium, nickel, zinc and vanadium. Total lead has been detected consistently at concentrations slightly above its GWQS of 5 ug/L at the monitoring well SC-01 located within the PMP Pond since its installation in 2007, with concentrations ranging from 5.4 ug/L to 9.9 ug/L; however, lead has not been present at concentrations above the GWQS in the dissolved form. It is also noteworthy that only a limited number of these constituents have been detected in groundwater within and/or down gradient of the PMP and/or the PMP Air Shaft.

Specifically, the results of the RI indicate the following:

- Laboratory analytical results of surface water, sediment, and groundwater samples collected within and downgradient of the PMP Area indicate that only benzene at levels slightly above its 1.0 ug/L GWQS as well as various elevated concentrations of total (unfiltered) and dissolved (filtered) iron, manganese, and sporadic exceedances of total aluminum and arsenic are reported in groundwater within and/or downgradient of the PMP with only occasional, sporadic detections of a handful of other constituents.

- The data generated from multiple rounds of monitoring of groundwater at overburden and bedrock well locations as well as surface water and sediment sampling conducted in the adjacent Park Brook indicate that the

vast majority of constituents reported in fill samples within the PMP and/or Air Shaft are not available for dissolution into groundwater.

  - This is largely due to the limited solubility in water and generally high affinity for adsorption and/or absorption to soil and/or detrital organic matter within the PMP as well as other chemical characteristics and biogeochemical influences that affect and limit the mobility of the majority of the constituents of concern in the subsurface under the soil, groundwater, sediment and surface water conditions that exist at the Site.

- The data indicate that migration of those constituents reported in groundwater in the vicinity of the PMP is been limited in extent with no indication of an adverse impact to any human or ecological receptor.

The remainder of this section provides a technical evaluation of the general fate and transport of the constituents identified in the fill materials within the PMP in support of the aforementioned conclusions.

4.1 Overview of Behavior of Constituents of Concern in the Environment

The following subsections provide an overview of the geochemical conditions within the PMP and Air Shaft in order to provide the background against which a site-specific discussion of the fate and transport of the constituents of concern can be discussed. An overview of each suite, or group, of constituents and their general behavior in the environment is then provided along with a discussion of the factors influencing the actual and potential fate and transport of each constituent at the Ringwood Site.

The following discussion is presented in reverse order with respect to solubility and mobility of the constituents of concern reported at the Site with PCBs/Pesticides followed by SVOCs, followed by Metals and finally VOCs.

4.1.1 Overview of Site Geochemical Conditions

Based on the data generated during the PMP RI, the pond within the PMP appears to be a low velocity body of water, with little turnover between the upper and lower reaches of the pit. The pit appears to be hydraulically connected to both overburden and shallow bedrock groundwater, with water entering and exiting the pit through the

overburden or shallow bedrock rather than through overtopping and outflow through a creek. Note; however, that the data also indicate that seeps within adjacent land areas such as former paint sludge removal areas SR-3 and SR-4, are hydraulically connected to surface water and/or groundwater within the PMP, indicating a possible combination of natural and man-made connections, such as a drainage stope, allowing the outflow of water from the pit.

Groundwater within the deeper portions of the PMP and the PMP Air Shaft exhibits generally circum-neutral pH and is moderately to slightly reducing, or mildly anaerobic, conditions as evidenced by the low DO and low or negative Eh measured in the field during groundwater sampling events. In addition, the base of the PMP pond may exhibit reducing conditions as evidenced by the visual observation of gas, likely methane, bubbles on the surface of the pond.

More oxidized, or moderately to fully aerobic, conditions would be expected in the shallow surface water within the pond and within upper reaches of the PMP Air Shaft, as well as in the unconfined shallow overburden, seeps and surface water downgradient and adjacent to the PMP, as a result of oxidized groundwater recharge from upgradient areas, infiltrating meteroric water, and interaction with atmospheric conditions.

Downgradient of the PMP and Air Shaft, groundwater conditions exhibit moderately oxidizing to moderately reducing conditions that transition further downgradient into fully oxidized, aerobic conditions as evidenced by the DO and Eh levels at overburden monitoring wells OB-14 and OB-16 located downgradient of the PMP and the OCDA.

4.1.2 PCBs/Pesticides

PCBs are non-polar compounds and their non-polar nature makes them only slightly soluble in water. The solubility of PCBs is also influenced by their strong affinity for partitioning with soil, sediment and organic fractions. Owing to their low solubility in water, PCBs are often associated with the solid fraction (*e.g.*, particulate matter, sediments) of the aquatic and terrestrial environments. In general, sorption of PCBs increases with the degree of chlorination, the surface area, and the organic carbon content of the sorbents. Note that the NJDEP has determined that PCBs are “immobile compounds” likely to be strongly adsorbed to soil and are not likely to impact ground water (NJDEP, 2008).

Dieldrin is a non-systemic chlorinated hydrocarbon insecticide. In the soil, dieldrin is stable and highly persistent in the environment. Dieldrin is strongly sorbed to soil, especially to organic matter and is resistant to leaching which leads to a low potential for any impact to groundwater (Ritter, et al, 1995). Note that dieldrin was only reported in one fill sample within the PMP at a concentration above the IGWDSSL and has not been reported in groundwater within or downgradient of the PMP.

The absence of PCBs in surface water or groundwater within or downgradient of the PMP and the absence of dieldrin in groundwater confirms that PCBs and dieldrin in the soil or fill materials within the PMP are not available for dissolution and are bound to particulate matter. Neither PCBs nor dieldrin are therefore of environmental concern with respect to fate and transport at the Ringwood Site and are not carried further in this fate and transport discussion.

4.1.3 SVOCs

Several SVOCs including multiple PAHs as well as bis(2-ethylhexyl) phthalate and to a lesser extent naphthalene, chrysene, among others were reported in one or more fill samples collected within the PMP at generally low levels but above the NJDEP RDCSRS and/or IGWDSSL. PAHs are non-polar, hydrophobic compounds, which do not ionize. As a result, they are only slightly soluble in water and have a high affinity for sorption on to soil, sediment and organic matter. The PAHs reported in fill material within the PMP include benzo(a)anthracene, benzo(a)pyrene benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The NJDEP categorizes these PAHs as immobile compounds and has determined that they are likely to be strongly adsorbed to soil are not likely to impact ground water (NJDEP, 2008).

The absence of PAHs above method detection levels in surface water or groundwater within or downgradient of the PMP or within the sediments or surface water of the adjacent Park Brook supports the conclusion that the PAHs are bound to soil and other particulate matter and are not available for dissolution in groundwater. The data indicate that PAHs are therefore not of concern with respect to transport beyond the PMP and are not carried forward in this fate and transport discussion.

Bis(2-ethylhexyl) phthalate has a very low solubility in water and a strong tendency to adsorb to soil, sediment, mineral and organic particulates, including humic acids associated with detrital plant matter. Generally low levels of Bis(2-ethylhexyl) phthalate has occasionally been reported in groundwater in the vicinity of the PMP

but concentrations have been sporadic with no indication of migration beyond the PMP area and no reported concentration above method detection levels in the sediment or surface water in Park Brook.

Each of the remaining SVOCs, including chrysene, fluoranthene, naphthalene, and pentachlorophenol, were reported at generally low concentrations in only one fill sample within the PMP. Each of these SVOCs is generally characterized with a low solubility and a high affinity for soil, sediment, and/or organic particulate adsorption. None of these SVOCs have been reported in surface water or groundwater within or downgradient of the PMP above method detection limits, including the sediment and surface water in Park Brook and, based on their behavior in the environment and their infrequent occurrence in fill within the PMP, they are not carried forward in this fate and transport discussion.

4.1.4 Metals

As previously stated, several metals, including antimony, aluminum, arsenic, cadmium, iron, lead, manganese, mercury and to a lesser extent barium, beryllium, nickel, zinc and vanadium, were reported at concentrations above either the NJDEP RDCSRS and/or IGWDSSL in one or more fill samples collected within the PMP. The following subsections provide a brief overview of the behavior of the metals in the subsurface followed by a brief discussion of the aforementioned metals reported at the Site grouped based on the relative importance of the metal with respect to occurrence an distribution in groundwater and/or surface water and their associated fate and transport evaluation with respect to the Ringwood Site.

4.1.4.1 Behavior of Metals in the Subsurface

Metals associated with the aqueous phase of soils are subject to movement with soil water, and may be transported through the vadose zone to ground water. Metals, unlike organics, cannot be degraded but most metals can be transformed to other oxidation states in soil, reducing their mobility and toxicity and can be immobilized, by mechanisms of adsorption and precipitation to reduce or prevent movement of the metals to ground water (USEPA, 2002). Metal-soil interaction is such that when metals are introduced at the soil surface, downward transportation does not occur to any great extent unless the metal retention capacity of the soil is overloaded or metal interaction with the soil matrix enhances mobility. Changes in soil environmental conditions over time, such as the degradation of organic matter, changes in pH,

redox potential, or soil solution composition due to natural weathering processes may either retard or enhance metal mobility.

Metals in the soil solution are subject to mass transfer out of the system by leaching to ground water and, at the same time, metals participate in chemical reactions with the soil solid phase. The concentration of metals in the soil solution, at any given time, is governed by a number of interrelated processes, including inorganic and organic complexation, redox reactions, precipitation/dissolution reactions, and adsorption/desorption reactions. The adsorption capacity (both exchange and specific adsorption) of a soil is determined by the number and kind of adsorption sites available. Adsorption of metal cations has been correlated with such soil properties as pH, redox potential, clay, soil organic matter, iron and manganese oxides, and calcium carbonate content. Anion adsorption has been correlated with iron and manganese oxide content, pH, and redox potential. Adsorption processes are affected by these various soil factors

Total versus Dissolved Metals in Groundwater

The technical issue regarding the evaluation of unfiltered, or total, and filtered, or dissolved, metals concentrations in groundwater has received a significant amount of attention in recent years. Since the NJDEP GWQS are based on total metals concentrations, the USEPA and NJDEP require analysis for total metals and the characterization of groundwater and evaluation of the nature and extent of any impacts associated with metals are made based on the total metals results. Based on review of the published literature, the technical basis for establishment of the GWQS based on unfiltered total metals concentrations as opposed to filtered or dissolved metals stems from regulatory concern regarding the potential transport in solution of metals-bearing colloidal particles (typically in the range of 0.1 to 10 microns in size), some of which are removed during the filtering of groundwater samples for dissolved metals analysis. This may result in a lower reported metals concentrations if there is a colloidal fraction (Puls and Barcelona, 1989).

Therefore, if metals sorbed to colloidal particles are a factor in the soil and groundwater system at a particular site, the result can be a possible underestimation of the potential for mobility of metal contaminants or facilitated transport of the metals via transport of the metals-bearing colloidal particles. Review of the data generated during the RI for the PMP Area indicates no significant differential between the degree of lateral mobility of total versus dissolved metals concentrations; therefore, there is no indication that colloidal transport of metals is a significant factor in the

characterization of groundwater or the evaluation of the nature and extent of metals in groundwater at the Ringwood Site.

Suspended colloidal particles can be laterally mobile only if they are not naturally filtered (or attenuated) by the soil matrix. The adsorption mechanism which limits the lateral migration of metals dissolved in groundwater will also reduce suspended or colloidal particle concentrations. The degree to which colloidal transport will affect the mobility of metals can therefore be assessed through evaluation of the actual degree of lateral movement of metals in groundwater based on a comparison of the total and dissolved metals groundwater analytical results.

If colloidal transport of metal constituents was occurring, the net rate of metals migration would be significantly enhanced and the lateral extent of migration in groundwater would be greater than expected and that is not the case in the PMP Area or at the Ringwood Site overall. It is therefore technically appropriate to also review and evaluate actual groundwater quality using the dissolved phase (filtered) groundwater samples in addition to the thorough evaluation of total metals (unfiltered) data which has also been conducted over the course of the RI.

4.1.4.2 Barium, Beryllium, Nickel, Zinc, and Vanadium

Barium, beryllium, nickel and zinc were reported at concentrations above the RDCSRS and/or IGWSSL in a handful of samples and have not been reported at concentration above their respective GWQS or SWQS above method detection levels. The following is a brief overview of the behavior of these metals:

- Barium is not very mobile in most soil systems due to a combination of complexation by dissolved organic compounds and high ionic strengths of the saturated soil systems.

- Beryllium binds strongly to soil organic acid and binding increases with increasing pH and also has a strong affinity for adsorption onto clay minerals.

- Nickel will adsorb to clays, iron and manganese oxides which are abundant at the Ringwood Site, and organic matter and is thus removed from the soil solution.

- Zinc forms complexes with inorganic and organic acids within the soil system which increases its adsorption with the soil surface. Clay carbonates, or hydrous oxides strongly adsorb zinc thus reducing its availability for dissolution (USEPA, 1992).

- Vanadium partitioning in soil and water is influenced by pH, redox potential, and the presence of particulates and is strongly adsorbed onto particulate matter under both oxidized and reducing conditions. Vanadium binds strongly to mineral or biogenic surfaces by adsorption or complexing and is therefore not readily available for dissolution (ATSDR, 2009).

The absence of these metals in surface water or groundwater at concentrations above their respective GWQS and/or SWQS supports the conclusion that they are not available for dissolution into groundwater and are not of concern with respect to transport at the Ringwood Site and are not carried further in this fate and transport discussion.

Antimony, Aluminum, Cadmium and Mercury

With respect to antimony, there is conflicting data available regarding its adsorptive behavior since some studies indicate that some forms of antimony may bind to inorganic and organic ligands, however, the mineral form would be unavailable for binding (ATSDR, 1992). Antimony is known to form coprecipitates with hydrous iron, manganese, and aluminum oxides in soil and sediment which are abundant in the soil-groundwater system at the Ringwood Site therefore it would be expected that antimony would not be available for dissolution. This conclusion is supported by the fact that antimony has not been reported in groundwater or surface water samples within or downgradient of the PMP.

With respect to aluminum, at a pH greater than 5.5 which is typical of the groundwater at the Ringwood Site, naturally occurring aluminum compounds exist predominantly in an undissolved form (ASTDR, 2008). In general, decreasing pH (acidification) results in an increase in mobility for monomeric forms of aluminum, however, acidic conditions have not been documented at the Site. Varying concentrations of total (unfiltered) aluminum have been reported in groundwater at the Ringwood Site, however, dissolved phase concentrations are generally below the GWQS indicating that aluminum reported in groundwater is reflective of particulates and not dissolved phase groundwater quality.

Cadmium is a cation which typically occurs in the environment as the Cd^{2+} ion or as complexes with hydroxides, carbonates, sulfides or humic substances, depending upon the soil and groundwater geochemistry. Precipitation and adsorption onto soil and sediment are the most common mechanisms governing the transformation and mobility of cadmium in the environment (Smith et al., 1995). Cadmium adsorption often correlates with the cation exchange capacity of the clay minerals, carbonate minerals, oxides, and/or organic matter in the soil or sediment. Removal of cadmium from groundwater increases with increasing pH through a critical range of 6.0 to 8.0, such as generally occurs at the Ringwood Site. The data indicate that cadmium is not available for dissolution into groundwater at the Site given that it has not been reported at concentrations of concern in surface water or groundwater.

Sorption is one of the most important mechanisms controlling the fate and transport of mercury in the subsurface and the removal of residual mercury concentrations in groundwater. Sorption generally increases with increasing pH and mercury is strongly sorbed to humic materials. Other attenuation mechanisms include coprecipitation with sulfides and organic complexation (Smith et al, 1997). The data indicate that mercury is not available for dissolution into groundwater at the Site given that it has not been reported at concentrations of concern in surface water or groundwater.

4.1.4.3 Arsenic and Lead

Arsenic is an anion which typically occurs in the environment as arsenate (As^{5+}) or arsenite (As^{3+}). Arsenate compounds predominate in oxidized conditions and arsenite compounds predominate in mildly reduced conditions (Smith et al., 1995). Dissolved arsenic species can be absorbed by ferric hydroxides which dominate in neutral pH, oxidized groundwater environments, however, the oxidized form of arsenic (arsenate) is more strongly adsorbed than arsenite (Vance, 1995). Since ferric hydroxides are stable over a wide range of pH and redox conditions, the solubility and mobility of arsenic in groundwater can be significantly limited in groundwater conditions which favor ferric hydroxides and arsenate (As^{5+}) as the dominant species. The production of oxidized iron and manganese species, which are abundant at the Ringwood Site, and subsequent precipitation of hydroxides is analogous to insitu precipitation processes for removing arsenic from groundwater (Suthersan, 1997, Palmer and Nyer, 1997).

Note, however, that under moderately reducing conditions that lack hydrogen sulfide such as the conditions at the Ringwood Site, arsenic would typically be the most

soluble since iron will be in the soluble ferrous state (Fe^{2+}) and arsenic in the soluble arsenite (As^{3+}) form. Note, however, that arsenic reported in fill material samples within the PMP may reflect varying sources, including varying amounts of mine tailings in the samples collected for laboratory analysis since trace amounts of arsenic occur within the crystalline lattice of the mineral apatite which has been shown to occur in minor amounts within the native bedrock and, as such, arsenic at the Site likely does not occur in the soil-groundwater system as either arsenate or arsenite.

This conclusion is strongly supported by the fact that arsenic is not consistently reported at elevated concentrations in total (unfiltered) or dissolved (filtered) groundwater samples and only sporadic detections of arsenic, with lower dissolved or filtered concentrations, have been reported in groundwater in the vicinity of the PMP, including at wells OB-11R and OB-27. Even where groundwater conditions are moderately reducing, such as within the PMP at well SC-01 or at downgradient overburden and bedrock wells, arsenic is not reported at elevated levels as would be expected based on its behavior under the reducing geochemical conditions that have been documented at well SC-01 and several of the wells immediately downgradient of the PMP. Once groundwater geochemical conditions are restored to oxidized conditions downgradient of the PMP and OCDA Areas, arsenic will precipitate or co-precipitate and will not occur in groundwater as documented by the analytical results from downgradient wells OB-17 and OB-18 which establish the downgradient delineation of total and/or dissolved arsenic for the PMP Area.

The fate of lead in soil is controlled primarily by adsorption, ion exchange, precipitation, and complexation to organic matter (Smith et al., 1995). The majority of lead in the environment is strongly adsorbed in soil. In soil with high organic matter content and a pH of 6 to 8, as is generally the case at the Ringwood Site, lead may form insoluble organic lead complexes thus reducing the mobility or potential for impact to groundwater. If the soil has less organic matter at the same pH, hydrous lead oxide complexes, lead carbonate or lead phosphate precipitates may form thus also reducing its availability for dissolution in groundwater.

Note also that the NJDEP has determined that lead is considered an “immobile chemical” that is likely to be strongly adsorbed to soil and not likely to impact ground water quality (NJDEP, 2008). Total (unfiltered) lead has been occasionally reported in groundwater over the course of monitoring at well SC-01 located within the PMP; but the data indicate that it is not reported above its 5 ug/L GWQS in the filtered samples and, consistent with its typical behavior in the subsurface, it is not available

for dissolution under the circum-neutral groundwater pH documented at the Ringwood Site. Furthermore, with the exception of a total lead concentration reported slightly above its 5 ug/L GWQS at downgradient monitoring well OB-20A in May 2011, neither total or dissolved lead have been reported at concentrations above the GWQS at monitoring wells immediately downgradient of SC-01 (RW-6, RW-6A, OB-20A and OB-20B) thus confirming that delineation has been completed with respect to total lead concentrations.

4.1.4.4 Iron and Manganese

In soils, manganese solubility is determined by two major variables, pH and redox potential. Water-soluble manganese in soils is directly proportional to pH, with oxidation state being another major determinant of manganese solubility. The lower oxidation state, Mn(II), predominates in reducing conditions, resulting in higher concentrations of dissolved manganese (USEPA, 1992). The oxidation state of manganese in soils and sediments can be altered by microbial activity. There are two main mechanisms involved in the retention of manganese by soil. First, through cation exchange reactions, manganese ions and the charged surface of soil particles form manganese oxides, hydroxides, and oxyhydroxides, which in turn form adsorption sites for other metals. Secondly, manganese can be adsorbed to other oxides, hydroxides, and oxyhydroxides through ligand exchange reactions (USEPA, 1992).

Manganese has been documented at varying concentrations above its 50 ug/L GWQS with higher concentrations reported in the total (unfiltered) samples and either no exceedances or significantly lower concentrations reported for the dissolved phase (filtered) samples in areas where groundwater conditions are oxidized. Alternatively, at many well locations where groundwater conditions are slightly or moderately reducing, dissolved phase manganese concentrations remain elevated above the GWQS as would be expected since, as previously stated, the lower oxidation state, Mn(II), predominates in reducing conditions resulting in higher concentrations of dissolved manganese (USEPA, 1992).

Not only is iron common, but it is also reactive and readily reflects changes in surrounding Eh and pH conditions which is particularly true in soil and groundwater systems that have been environmentally impacted with hydrocarbons. In groundwater systems, iron occurs in one of two oxidation states: reduced soluble divalent ferrous iron (Fe^{+2}) or oxidized insoluble trivalent ferric iron ($Fe^{+3)}$. The

modern atmosphere has 21% oxygen, causing most of the iron in shallow subsurface soils to be in the oxidized ferric state (Vance, 1994).

Iron readily undergoes reduction or oxidation, depending upon surrounding conditions. As a consequence, there are many microbiological metabolic pathways that utilize redox couples between ferrous and ferric iron. Organic material can be biodegraded with ferric iron as the terminal electron acceptor, resulting in the production of reduced soluble ferrous iron. Anaerobic conditions are required as is the presence of ferric iron in a suitable form. On the contrary, iron fixing bacteria can oxidize ferrous iron to ferric iron, even under oxygen poor conditions, by many methods including: the extraction of carbon dioxide (for microbial energy systems) from ferrous bicarbonate leaving insoluble ferric hydroxide; and the utilization of iron bearing organic acid complexes as a carbon source, leaving precipitated ferric hydroxide. These are the reactions that are typically responsible for iron fouling of well screens, piping systems and air strippers that are used to remediate iron rich groundwater.

Review of the groundwater analytical results for iron is essentially a case study in the behavior of iron in the environment. Specifically, given the abundance of iron in the native bedrock and the fact that historic mining activities has effectively increased the surface area of iron-containing rock that is in contact with groundwater as compared to un-mined areas of the Site, elevated total iron at concentrations above its 300 ug/L GWQS are reported in wells located upgradient of any land AOC and significantly elevated total (unfiltered) iron concentrations are reported in wells located within and immediately downgradient of the PMP and PMP Air Shaft.

Note, however, that the correlation between elevated dissolved phase (filtered) iron concentrations and reducing groundwater conditions is strong with significantly elevated dissolved phase iron reported at all locations where either slightly or moderately conditions occur, including monitoring wells and the PMP Air Shaft. The highest total and dissolved iron concentration reported at the Site occur at the base of the PMP Air Shaft which is not surprising given that the groundwater in the shaft is in contact with groundwater within the mine workings.

Note that total and dissolved phase iron concentrations decrease significantly within the Air Shaft from the 230 foot depth interval to the 180 foot depth interval and benzene concentrations also decrease. A significant reduction is also documented in both total and dissolved iron at all vertical monitoring intervals within downgradient well RW-11 with iron concentrations consistent with those documented at upgradient

background wells. This is consistent with the absence of benzene at the RW-11 location. These data are therefore consistent with the conclusion that groundwater within the Air Shaft is isolated and not migrating beyond the shaft into the adjacent bedrock. Further evaluation of this relationship and potential migration pathway has been proposed and is under discussion with the agencies as part of supplement RI activities associated with the Site-Related Groundwater AOC.

Since iron is the dominant metal in the soil-groundwater system at the Ringwood Site and its correlation with redox conditions that are linked to organic matter oxidation within the PMP and the deeper intervals within the Air Shaft, further evaluation of the occurrence and distribution of iron in groundwater at the Site should be incorporated into the hydrogeologic Conceptual Site Model as connectivity and groundwater/constituent flow pathway evaluation is conducted.

4.1.5 VOCs: Benzene, Toluene, Ethylbenzene and Xylenes

Benzene, toluene, ethylbenzene, and xylenes (referred to as BTEX) are reported at varying but generally low concentrations in the fill material above and below the water table. Sporadic and trace concentrations of methylene chloride and trichloroethene have also been reported in a very limited number of samples and the data indicate that these constituents are incidental in comparison to the aromatic hydrocarbons.

BTEX are aromatic hydrocarbons which tend to be the most water-soluble fraction of petroleum compounds and the most volatile of the aromatic hydrocarbons. Benzene is the most water soluble of the BTEX compounds. Benzene is considered highly mobile in soil, toluene is considered moderately to highly mobile in soil, and xylenes are considered to be moderately mobile in soil (USEPA, 1995). Benzene therefore often the primary ground water constituent of concern at petroleum release sites because of its mobility in comparison to other petroleum hydrocarbons. All the BTEX compounds, including benzene, are readily degradable via one or more natural processes, including volatilization, dispersion, oxidation reactions, and/or aerobic and anaerobic microbial degradation (USGS, 2005).

The primary release of BTEX appears to have occurred in association with the placement of fill and waste materials, including paint sludge, and/or petroleum products associated with junked cars into the PMP. This may have occurred prior to, during, or after the period of Ford ownership. Disposal of residential trash or debris

by residents may also have contributed these constituents, including benzene, to the PMP.

Although benzene, toluene, ethylbenzene, and xylene have been reported at concentrations above the IGWDSSL within fill materials within the PMP, only benzene has been reported above its 1.0 ug/L GWQS in groundwater in or downgradient of the PMP and in the PMP Air Shaft. Since toluene, ethylbenzene, and xylenes have not been detected above their GWQS in groundwater or surface water at the Site, these constituents are not considered of environmental concern with respect to this fate and transport evaluation and are not carried further in this discussion.

4.1.5.1 Primary Sources of Benzene Contamination and Primary Release Mechanisms

Benzene likely partitioned from the fill materials into the groundwater within the pit; however, only low levels have been reported at a concentration above its 1.0 ug/L GWQS within and/or downgradient of the PMP. Recent rounds of monitoring at the angled well SC-1 located within the PMP indicate that benzene has not exceeded its 1.0 ug/L GWQS in the past two sampling events, with only trace concentrations reported below 1.0 ug/L. Only trace levels of toluene, ethylbenzene and/or xylenes have ever been reported in groundwater at the SC-1 location with no exceedance of their respective GWQS. Toluene, ethylbenzene, and xylenes are therefore not of environmental concern with respect to fate and transport at the Ringwood Site and are not carried further in this fate and transport discussion.

Results of sampling conducted within the PMP Air Shaft indicate that benzene has been the primary constituent detected during the period from 2006 through 2011. Benzene was reported once at the 180 ft depth interval at a concentration of 2.5 ug/L. Benzene has also been consistently reported in groundwater at the base of the Air Shaft at a depth of 230 ft bgs at an average concentration of 26.76 ug/L. from 2006 through 2011.

Low levels of benzene slightly above its 1.0 ug/L GWQS have been reported in the overburden and shallow bedrock wells immediately downgradient of the PMP but not in the bedrock wells immediately or further downgradient of the PMP Air Shaft as evidenced by the absence of benzene in any of the vertical sampling intervals during the past three rounds of sampling at bedrock well RW-11 located within several hundred feet of the Air Shaft. In addition, benzene concentrations in wells located immediately downgradient of the PMP dissipate with distance downgradient as

evidenced by the absence of benzene in overburden wells OB-14 and OB-16 and bedrock well RW-3.

Once groundwater in the immediate vicinity of the PMP migrates through the subsurface overburden and/or shallow fractured bedrock towards the surface water within Park Brook, any residual benzene in the discharging component of the groundwater will readily dissipate via volatization, evaporation, oxidation upon exposure to oxidized conditions in the surface water and/or exchange with ambient air, and/or microbially facilitated degradation. The absence of benzene in surface water and sediment within Park Brook located adjacent to the PMP supports this conclusion.

Secondary Release Mechanisms

When a constituent is released and retained via absorption, adsorption or dissolution into one or more environmental media, such as soil, sediment, surface water or groundwater, that medium functions as a potential secondary source for further release of the constituent. The following paragraphs discuss potential secondary release mechanisms for benzene in groundwater in the vicinity of the PMP and Air Shaft.

Volatilization from Surface Water to Air

Benzene dissolved in water has a low tendency to partition to the vapor phase. In addition, the concentrations of benzene reported in groundwater immediately downgradient of the PMP are sufficiently low that measurable partitioning would not be expected.

Partitioning from Surface Water to Sediment

Though benzene was not detected in sediment samples collected from the PMP pond, or within nearby surface water bodies, it is possible that partitioning between the two phases could occur. It is likely, however, that benzene concentrations detected in the surface water are too low to provide for measurable partitioning to occur at the Ringwood Site.

Down Gradient Discharge to Surface Water and Groundwater

Hydrogeologic data collected in the vicinity of the PMP indicates that benzene has historically been detected in surface water within the PMP, within theAir Shaft, and in the overburden groundwater and shallow bedrock groundwater in the immediate downgradient vicinity of the PMP at wells SC-01, OB-20B, OB-11R, OB-27, RW-6, RW-6A. Note; however, that benzene has not been detected in bedrock wells installed further down gradient from the PMP and Air Shaft (e.g., RW-11 and RW-3, RW-3D, RW-4, respectively). The data indicate that the down gradient migration, or transport, of benzene in groundwater from the PMP is limited through a combination of several factors, including shallow groundwater discharge at Park Brook, limited source mass (based on low concentrations detected to date), the low transmissivity and low permeability crystalline bedrock and natural attenuation processes, including oxidation and biodegradation.

Although the data indicate slight exceedances of the 1 ug/L GWQS for benzene in the overburden and shallow bedrock downgradient of PMP, only low-level concentrations of benzene have been reported within the seeps at SR-3, which ranged from non-detect to 1.2 ug/L. Benzene has not been detected in surface water samples collected from Park Brook downslope of the PMP. Furthermore, benzene has never been detected at SR-7 overburden well locations OB-15A and OB-15B located further downgradient. These data indicate that the lateral and vertical extent of benzene in groundwater originating from the PMP area is limited to the area between the PMP and Park Brook and the area immediately downgradient.

Concentration Trends

The concentrations of benzene detected within, and in the vicinity of the PMP and Air Shaft have remained generally consistent since the renewal of investigation efforts during 2004. The data indicate the following:

- Over the course of monitoring, benzene has been detected sporadically at low concentrations, either just above or, more recently, below its 1.0 ug/L NJDEP GWQS in several wells, including SC-1 located within the pit, indicating an up and down trend which may be associated with the occasional turnover of water within the pit caused by precipitation events and the fluctuation in overburden and shallow bedrock groundwater levels.

- Benzene detections have remained more consistent within the PMP Air Shaft, especially at its 230 foot base sampling interval, where, with the exception of the July 2009 sampling event, concentrations have remained in the range of 30 ug/L, with lower concentrations reported at the 180 foot depth interval.

- The moderately reducing conditions at the base of the Air Shaft evidenced by low DO and Eh measured during groundwater sampling events indicates a lack of water turnover and stagnant conditions which is likely coupled with a lack of, or very low rate of, biogeochemical degradation of organics, including any residual benzene, via either anaerobic or aerobic oxidation or microbially facilitated degradation.

- Although benzene has been detected at single digit part per billion concentrations in wells monitoring the more shallow bedrock zones, benzene has not been detected in deeper bedrock groundwater monitoring zones.

- The bedrock well monitoring network for the PMP and the PMP Air Shaft includes additional downgradient monitoring wells, such as wells RW-11, RW-3 and RW-4, that were installed to verify groundwater quality immediately and further downgradient as shown in Figure 11. Sampling intervals include the shallow and deeper zones below the PMP base elevation, zones with similar elevations to the Air Shaft sampling intervals at 180 feet and 230 feet, and intervals that correspond to elevations below the Air Shaft.

- Benzene has not been detected at any of the multiple vertical sampling intervals at any of these downgradient bedrock well locations thus confirming data from well RW-11 and the absence of benzene migration from the Air Shaft.

Specifically, bedrock well RW-11 is located approximately 30 feet downgradient of the PMP Air Shaft, and was sited based on field input from the USEPA. This bedrock well extends almost 100 feet deeper than the base of the air shaft. Based on three consecutive rounds of monitoring conducted in 2009, 2010 and 2011, benzene has not been reported above method detection levels in groundwater samples collected from any of the four vertical monitoring intervals within the RW-11 borehole. Given its location immediately downgradient of the Air Shaft and its total depth below Level 4 of the PMP and most likely in the vicinity of Level 5, the data

indicate that well RW-11 may be in hydraulic communication with the Air Shaft and Level 4 of the Peters Mine. Further evaluation of the hydraulic communication and connectivity between the Air Shaft and adjacent bedrock well RW-11, as well as other wells in the PMP Area, is being conducted as part of the ongoing Supplemental RI for the Site-Related Groundwater AC, the results of which will be provided in the RIR for the Site-Related Groundwater AC.

As shown in Figure 10, the newly installed bedrock well pair RW-3/3D and bedrock well par RW-4/4A are located directly downgradient of the PMP Air Shaft at distances of approximately 500 and 1,300 feet, respectively. The RW-3/3D well pair is also downgradient of the PMP itself and existing data indicates that groundwater within and downgradient of the PMP that enters the bedrock fracture network will intersect the RW-3/3D well pair location. This is supported by groundwater elevation data as well as by geochemical and metals analytical results which indicate similar characteristics to groundwater at bedrock wells downgradient of the PMP.

Bedrock well pair RW-4/4A is the furthest from the PMP mine workings and, as documented in previous submittals to USEPA (ARCADIS letter to USEPA dated March 13, 2009), has monitoring intervals at depths within the bedrock that are deep enough to coincide with the mid-level workings of the Peters Mine down to Level 7. Given the fact the Peters Mine workings are located between the Hope Mountain bedrock recharge area and the bedrock well RW-4 location, the groundwater elevation data indicate that that groundwater within the upgradient mine workings that ultimately enters the bedrock fracture network downgradient of the PMP Area is being monitored by one or more of the various RW-4 monitoring intervals.

The existing data indicate that there is no migration of benzene from the PMP Air Shaft into the bedrock or overburden aquifers. Note that, as discussed with the agencies during a February 2012 meeting, additional investigation activities designed to further evaluate the PMP and PMP Air Shaft have been proposed under separate cover as part of the RI being conducted for the Site-Related Groundwater AC.

5. Baseline Risk Assessment

5.1 Human Health Evaluation

The Baseline Human Health Risk Assessment (BHHRA) dated March 2012 has been prepared and provided under separate cover as a requirement established in the Statement of Work. The BHHRA is an assessment that includes potential cancer risks

and non-cancer hazards to human health which are identified and characterized in accordance with EPA guidance's including, but not limited to, the "Risk Assessment Guidance for Superfund" (RAGS), Volume 1, "Human Health Evaluation Manual," (December 1989) (EPA/540/1-89/002).

This assessment also includes a description of the representative constituents and associated concentrations in site media including soil, sediment, surface water, game tissue, and plant tissue which have been determined by using all currently available media-specific analytical data generated during the Supplemental Investigation.

5.1.1 Exposure Setting

The Site and Peters Mine Pit Area background is briefly discussed above in Section 1.1. The Site is located along the northern side of Margaret King Avenue about a half a mile west of Sloatsburg Road in the Borough of Ringwood, Passaic County, New Jersey. The Site is bordered on the south by Mine Brook, which flows south of Margaret King Avenue, on the east by the utility right-of-way sold to Public Service Electric & Gas (PSE&G) in 1970, on the west by property owned by Tuxedo Homes, Inc. and on the north by part of the Wanaque Wildlife Refuge. Figure 1 shows the location of the Site, and Figure 2 presents the location of the Peters Mine Pit Area within the Site.

The geographic area covered in the *Exposure Scenarios and Assumptions Technical Memorandum* comprises the non-residential areas, which includes all portions of the Ringwood Mines Landfill Site that could have potentially received waste materials. This area consists of approximately 198 acres. The PMP Area encompasses approximately 5 acres within this larger area of the Site.

Based on the combined activities undertaken to date during the RI and various phases of Supplemental Investigation, paint sludge and related wastes were identified at thirteen limited locations. When the two larger landfills that contain the presence of paint sludge in the northern area of the Site (including the PMP Area and the OCDA) are excluded from the calculation, only five acres—or approximately 1 percent of the total Site area—ever had surficial paint sludge present. Targeted paint sludge removal activities were conducted during 2010 and 2011 to remove paint sludge previously identified within the O'Connor Disposal Area and the PMP Area. Surficial paint sludge deposits have now been removed from the thirteen identified sludge removal areas as well as the PMP and O'Connor Disposal Area.PMP.

5.1.2 Zoning

The Site occupies portions of blocks 600, 601, 602, 603, and 604 in the Borough of Ringwood. Various exempted lots belong to the Borough of Ringwood, the State of New Jersey (Ringwood Manor State Park), and PSE&G. Orange and Rockland Electric Company has a utility corridor easement that runs through portions of the Site.

The Borough of Ringwood owns land in the southern and central parts of the Site and the State of New Jersey owns the land in the northwestern part of the Site. PSE&G's property is primarily located on the eastern side of the site, but is also on the southwestern part of the Site.

About one half of the Site is zoned Conservation space (C-200) and includes Ringwood State Park and part of the PSE&G property. The lots along Peters Mine Road, Cannon Mine Road, and Van Dunk Lane that are not developed are zoned residential (R-20 and RT-40). Land to the west of the residential properties along Van Dunk Lane is zoned Industrial (I-60). Land zoned residential at the Site includes the Cannon Mine area, the former O'Connor Disposal Area, the Borough of Ringwood Recycling Center, and the former Borough of Ringwood Landfill.

5.1.3 Demographics

Demographic information documents the age and size of populations and identifies potentially sensitive populations, such as young children, women of child-bearing age, the chronically ill and the elderly. The United States Census Bureau reports that in 2000 the Borough of Ringwood had a total population of 866 people living within one mile of the Site (209 total housing units). Approximately 200 people are believed to live in the 48 residences within the Site boundaries. According to the U.S. Census Bureau, 87 children under the age of 6 (10% of the population), 168 females between the ages of 15 and 44 (19.4% of the population) and 103 adults over the age of 65 (11.9% of the population) comprise the sensitive population within one mile of the Site.

Residential properties located within and near the site consist primarily of single-family dwellings. Lot sizes are typically less than half an acre and there is substantial open space at the Site. Demographically, the Site area is considered sparsely populated.

There are no hospitals within one mile of the Site. There is one school within the one mile site radius; the Eleanor Hewitt School (local elementary – 4th and 5th grades) located southeast of the Site on Sloatsburg Road. There is a private school (Ringwood

Christian School – K through 8th grade) approximately 1.2 miles southeast from the Site on Carletondale Road.

5.1.4 Current Land Use

Current land use at the Site (excluding the embedded residential parcels) includes Borough of Ringwood facilities (Department of Public Works yard, Recycling Center), State of New Jersey parkland (Ringwood Manor section of Ringwood State Park), utility corridors (PSE&G and Orange and Rockland Electric Company) that include a power sub-station, and open space (Borough of Ringwood property). Future development of open space at the Site is not considered likely because of conservation zoning, the presence of unbuildable slopes and wetlands, former landfills, extensive mine tailings deposits and mine hazards (former pits and shafts). It is anticipated that some mine hazard mitigation work will be conducted in the future.

Public drinking water is supplied to residents in the Borough of Ringwood from well fields located within a different watershed approximately two miles southeast of the Site. Groundwater and surface water is not used at the Site and future uses are doubtful given the high iron and manganese content found in the groundwater, and given the low yields obtained. The NJDEP current Class IIA classification of groundwater at the Site indicates that it may be a potential potable source; however, this is highly unlikely given the elevated natural metals concentrations in groundwater, including levels documented in overburden and bedrock wells located upgradient of the land AOCs where concentrations of several metals exceed their respective GWQS. Potential future exposure to groundwater at the Site will be addressed in a separate BHHRA.

Paved roads at the Site are traveled by residents, mail carriers, delivery trucks, garbage and refuse haulers, utility workers, and visitors. The Recycling Center is open to the public on Wednesdays, Saturdays and Sundays. Utility workers are periodically on-site to clear brush in the utility corridors and to perform maintenance on the power transmission towers and at the sub-station.

Known recreational uses of the land include hiking in Ringwood State Park, hunting, and riding all-terrain vehicles (ATVs). Although there is a pond at PMP, a water-filled former concrete fire-water reservoir, and several ponds created by beaver dams, fishing has not been observed. Swimming also appears to be an unlikely activity given the presence of dead tree snags, tree stumps and/or debris in these areas, and/or inaccessibility due to the presence of heavy vegetation in the warmer months.

Areas of the Site where removal actions have occurred and the former landfill areas (the PMP, Cannon Mine, and the OCDA) are typically inaccessible during warmer months because of heavy vegetation at ground level (shrubs, vines, briars). Areas of sedimentation at the Site are typically inaccessible because of ponded water or swampy ground.

5.1.5 Exposure Pathways and Potential Receptors

Potential exposure pathways and potential receptors were selected based on current and potential future land uses for the non-residential areas of the Site, zoning and demographic information, and observations made during the Reconnaissance Survey and other field activities (wetland delineation, site investigations, etc.). The exposure pathways and potential receptors are discussed below.

Under current conditions, access to the Site by the public is limited. This exposure pathway conceptual site model (CSM) assumes that paint sludge remains in selected areas of the Site under current conditions, but not under future conditions. Future exposures will be limited to constituents remaining in environmental media once remedial actions are complete.

An exposure pathway consists of the following four elements: (1) a source and mechanism of constituent release to the environment, (2) a retention or transport medium for the released constituent, (3) a point of potential contact by the receptor with the impacted medium (the exposure point), and (4) a route of exposure to the receptor at the exposure point (e.g., ingestion, inhalation, or dermal contact). If any of these elements do not exist, the exposure pathway is considered incomplete and will not be further evaluated.

The following outlines current and future potential exposure pathways and potential receptors selected for evaluation at the Site.

Current and Future

- The potential exists for off-site receptors (adult, older children, and young children) to be exposed to constituents in surface soil at the Site via direct contact (e.g., incidental ingestion, inhalation, and dermal contact) while walking, hiking, or walking a dog at the Site.

- The Site contains some water features (e.g., intermittent brooks/creeks and groundwater fed springs) that receptors (adult, older children, and young children) may contact while on the Site. Exposure to Site-related constituents in these water features may occur via incidental ingestion and dermal contact with water and sediment during wading in these water features.

- The potential exists for off-site receptors (adult, older children, and young children) to be exposed to constituents in game tissue and plant tissue at the Site via ingestion when hunting at the Site.

- The potential exists for outdoor workers to be exposed to constituents in surface soil at the Site via direct contact (e.g., incidental ingestion, inhalation, and dermal contact) while cutting brush from the utility corridor at the Site.

A summary of the current and future potential exposure pathways is provided within the final BHHRA (March 2012) approved by USEPA on April 25, 2012.

5.2 Environmental Evaluation

A Screening-Level Ecological Risk Assessment (SLERA) for the PMP Area of Concern was submitted to the USEPA under separate cover. The SLERA provided a comparison of the maximum contaminant concentrations in each media of concern to appropriate conservative ecotoxicity screening values, and used conservative exposure estimates. As presented within the revised SLERA (January 2012), results of data obtained to date from soil, surface water, groundwater, and sediment indicates that a potentially complete exposure pathway is present in this Area with respect to the American Robin. Upon EPA review (March 7, 2012), it was determined that a full updated Baseline Ecological Assessment is required. A draft BERA was submitted to USEPA on May 26, 2012.

6. Findings and Conclusions

Based on review, evaluation, and interpretation of the extensive data base generated by the multi-media characterization conducted as part of the RI of the PMP Area, the data indicate the following:

6.1 Fill Material

6.1.1 Fill Volume

Based on the data collected during this Remedial Investigation and an evaluation of the estimated dimensions of the pit and surrounding fill materials, ARCADIS estimates that approximately 112,984 cubic yards of fill material occur in and around PMP. This includes approximately 15,212 cubic yards of cover soil and debris, approximately 74,058 cubic yards of historical fill and debris, and approximately 23,714 cubic yards of mine tailings.

ARCADIS estimated the fill volumes utilizing AutoCAD Civil 3D 2011 software by Autodesk, Inc. to represent the lateral and vertical extent of the fill materials within the PMP Area. This software program generates surfaces of a layer of interest and then uses a volume calculation algorithm to estimate the in-place volume between two defined surfaces. A surface is the three-dimensional geometric representation of an area of land. Surfaces are developed by triangles which are created by either three-dimensional contours, from a series of three dimensional points (x, y, and z), or from manually constructed break-lines to compute volumes.

The AutoCAD Civil 3D 2011 software compares two defined surfaces to create a third "TIN Volume Surface". A TIN volume surface provides an exact difference between the base and comparison surfaces. Therefore, the elevation of any point in the volume surface is precisely the difference between the elevation of the comparison surface at that point and the base surface at that point.

From the recent topographic survey and investigation work completed at the site (including soil boring data, test trenches/pits, and logs from monitoring well installation), a beginning surface and an ending surface was generated by connecting the three dimensional point data between the layers of the fill material within the PMP Area and the PMP. Assumptions relative to layer termination and extents were interpreted in portions of the PMP Area with less extensive investigation work.

The estimated volumes calculated using AutoCAD Civil 3D 2011 software and utilized in the remedial action alternatives evaluation and associated Engineering Cost Estimates are provided in Appendix B of the October 2011 Revised PMP FS Report.

6.1.2 Fill Quality and Relationship to Groundwater Quality

Samples collected from the three angled borings within the PMP indicate that VOCs, SVOCs, Metals, pesticides/herbicides, and PCBs were detected at concentrations above NJDEP RDCSRS and IGWDSSL, however, the groundwater, surface water and sediment analytical results generated within and downgradient of the PMP and the adjacent Park Brook indicate that benzene slightly above its 1.0 ug/L GWQS is the only organic constituent of concern with respect to dissolution from soil and/or fill materials into groundwater with no appreciable migration beyond the immediate PMP Area and no flow pathway or adverse impact to the adjacent Park Brook.

With respect to the other organics, including the other VOCs, SVOCs, PCBs and Pesticides the data indicate that these constituents are bound to the soil and fill particles and particulates and not available for dissolution to groundwater or migration from the PMP.

With respect to inorganics, the data indicate the following:

- Despite the fact that several metals occur in the fill at concentrations above their RDCSRS and/or IGWDSSL, only aluminum, lead, manganese and iron are reported at varying concentrations above their respective GWQS with the vast majority of aluminum in the total (unfiltered) samples and only sporadic exceedances in the dissolved phase (filtered) samples indicating that aluminum is not readily available for dissolution.

- Iron, and to a lesser extent manganese, occur in abundance in the native bedrock and, as would be expected based on the historic mining activities in the PMP, both of these metals occur in groundwater with total (unfiltered) concentrations higher than dissolved phase (filtered) concentrations especially in areas where groundwater conditions are oxidized or aerobic.

    - Where groundwater conditions are slightly to moderately reducing as evidenced by low DO and low or negative Eh, iron and manganese concentrations are elevated in groundwater in both the total and dissolved fractions because both metals occur in a more soluble form under reducing conditions.

    - As oxygen levels increase with distance from the PMP Area, both iron and manganese concentrations normalize to levels that are

consistent with upgradient, background concentrations as both metals precipitate or co-precipitate with other anion and cations in the groundwater system.

6.2 Groundwater

Groundwater flow in both overburden and bedrock is typically to the southeast for the horizontal component. There is a vertical component to groundwater flow that has been documented to be both upwards and downwards depending upon the amount and relative time of precipitation events. The Geologic Cross Sections provided as Attachment 1 to this RI Report illustrate the horizontal and vertical components of groundwater flow within the overburden/shallow bedrock and deeper bedrock aquifers and in relation to key features in the PMP area, including the PMP pit and the PMP Air Shaft.

- The pond within the PMP is a very low velocity body of water, with little turnover between the upper and lower reaches of the pit. The data indicate that the PMP pit is hydraulically connected to both overburden and shallow bedrock groundwater, with groundwater entering and exiting the pit through the overburden or shallow bedrock rather than through overtopping and outflow through a creek.

- The data indicate that seeps within adjacent land areas such as former paint sludge removal areas SR-3 and SR-4, are hydraulically connected to surface water and/or groundwater within the PMP, indicating a possible combination of natural and man-made connections, such as a drainage stope that allows outflow from the pit.

- Significant precipitation events correlate with an upward groundwater flow. The data indicate that the former mine pit influences shallow groundwater flow to some extent and allows for more direct hydraulic communication between the overburden and upper bedrock saturated zone.

- In order to further evaluate the direct correlation between precipitation events and any effect or change in groundwater flow patterns, additional data collection and analysis is recommended utilizing in-situ pressure transducers in select site monitoring wells. This specific analysis was discussed during a recent meeting with USEPA and NJDEP and would be conducted as part of the RI for the Site-related Groundwater operable unit.

- Groundwater within the deeper portions of the PMP and the PMP Air Shaft exhibits generally circum-neutral pH and moderately to slightly reducing, or mildly anaerobic, conditions as evidenced by the low DO and low or negative Eh measured during groundwater sampling events.

- Even though elevated iron and manganese concentrations occur at the base of the Air Shaft, both of which could serve as alternative electron acceptors for oxidation of benzene in the absence of oxygen, there is no indication of ongoing biogeochemical activity at the base of the shaft.

- Additional evaluation of the biogeochemical conditions of groundwater within the Air Shaft, including the base, is recommended as recently discussed with USEPA and NJDEP so that the mechanism(s) influencing the documented concentrations of benzene in the Air Shaft can be determined.

Groundwater quality delineation downgradient of the PMP and the PMP Air Shaft has been completed with the existing monitoring well network in both the upper overburden/shallow bedrock and deeper bedrock aquifers.

The quality of groundwater within the PMP Area has essentially remained consistent over the course of monitoring during the past six years and these data are also consistent with historic analytical results which indicate that, of the organic suites of parameters included in the monitoring program, only benzene is consistently reported at low concentrations slightly above its 1.0 ug/L GWQS. Concentrations within the PMP itself at well SC-1 indicate only trace benzene levels below the GWQS for the past two rounds of monitoring.

- Low levels of benzene slightly above the 1.0 ug/L GWQS are reported in groundwater at overburden and shallow bedrock wells immediately downgradient of the PMP Area with concentrations dissipating in the downgradient direction as documented at other wells located within the monitoring well network.

- The highest concentration of benzene is reported at the base of the PMP Air Shaft at a depth of approximately 230 feet below grade where concentrations have essentially remained steady at or around 30 ug/L and there is no indication of migration from the base of the Air Shaft into the downgradient bedrock as evidenced by the absence of benzene in all of the vertical sampling intervals

within bedrock well RW-11 or wells RW-3 and RW-4 located further downgradient.

With respect to the metals, total (unfiltered) concentrations of iron and to a lesser extent lead, manganese and aluminum, are reported at concentrations above their respective GWQS with aluminum concentrations generally below the GWQS in dissolved-phase (filtered) samples. All other metals reported in the fill within the PMP are bound to soil and/or other particulate matter within the PMP and are not available for dissolution.

- Iron is the dominant metal in the soil-groundwater system at the Ringwood Site as would be expected based on the abundance of iron in the native bedrock and the historic mining activities.

- Iron and manganese exceed their GWQS of 300 ug/L and 50 ug/L, respectively, in both the total (unfiltered) and dissolved-phase (filtered) samples at well locations where groundwater conditions are slightly or moderately reducing which is due to the increased solubility of these metals under reducing conditions.

- The data indicate a very strong correlation with reducing conditions and the occurrence of elevated dissolved-phase iron. The reducing conditions occur within the PMP pit and overburden and bedrock groundwater immediately downgradient as well as groundwater within the Air Shaft, especially at the base of the shaft at the 230 foot depth interval. The data indicate that the reducing conditions are likely caused by organic matter oxidation, including detrital plant matter and possibly residual organic constituents of concern sorbed to soil and other particulates.

- Further downgradient and beyond the PMP Area and the PMP Air Shaft, groundwater conditions transition into fully oxidized, aerobic conditions as evidenced by the DO and Eh levels at other wells within the monitoring well network. As would be expected based on the distance from the PMP and their low solubility in oxidized groundwater, both iron and manganese concentrations decrease to concentrations consistent with upgradient, background concentrations once groundwater transitions to oxidized conditions.

- Given the strong correlation between iron and groundwater originating within both the PMP pit and Air Shaft, further evaluation of the occurrence and distribution of iron in groundwater at the Site should be incorporated into the hydrogeologic Conceptual Site Model as connectivity and groundwater/constituent flow pathway evaluation is conducted. This evaluation would be conducted as part of the RI for the Site-related Groundwater AC.

6.3 Surface Water

The surface water quality in the PMP pond is consistent with groundwater quality within the PMP as documented at angled monitoring well SC-1 which exhibits elevated concentrations of iron and manganese in groundwater within the PMP and either trace benzene below the 1.0 ug/L GWQS or just slightly above 1.0 ug/L over the past few rounds of annual monitoring.

The data generated during the PMP RI are consistent with the results of recent and historical surface water sampling in Park Brook in the vicinity of the PMP area as documented in the 2005 Surface Water/Sediment Report, sampling conducted during 2007 in concert with the USEPA, NJDEP and the Edison Wetlands Association, and in the June 2011 Site-wide Groundwater Sampling Technical Memorandum.

Based on the results of the investigation, the characterization of the fill material in the PMP Area is complete, groundwater and surface water quality delineation has been completed and characterization of the geologic and hydrogeologic conditions within the PMP has enabled the development of a Conceptual Site Model that will be further supplemented by additional RI activities to be conducted as part of the RI for the Site-Related Groundwater operable unit.

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Table 1. Summary of Sampling Intervals within the PMP, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location	Sampled Interval	Date	Sample Type	Analysis
SC-1	**30-40'**	**3/21/2006**	Grab/Encore	VOCs, SVOCs, PCBs, Pesticides/Herbacides, Metals
	40-50	**3/21/2006**	Grab/Encore	
	54-56	**3/22/2006**	Grab/Encore	
	63-65	**3/22/2006**	Grab/Encore	
	70-80	**3/22/2006**	Grab/Encore	
	88-90	**3/22/2006**	Grab/Encore	
	93-95	**3/22/2006**	Grab/Encore	
	104-106	**3/22/2006**	Grab/Encore	
	110-120	**3/22/2006**	Grab/Encore	
	128-130	**3/22/2006**	Grab/Encore	
	138-140	**3/22/2006**	Grab/Encore	
	144-146	**3/22/2006**	Grab/Encore	
SC-2	**18-20**	**3/27/2006**	Grab/Encore	VOCs, SVOCs, PCBs, Pesticides/Herbacides, Metals
	24-26	**3/27/2006**	Grab/Encore	
	38-40	**3/27/2006**	Grab/Encore	
	44-46	**3/28/2006**	Grab/Encore	
	68-70	**3/28/2006**	Grab/Encore	
	74-76	**3/28/2006**	Grab/Encore	
	82-84	**3/28/2006**	Grab/Encore	
	92-94	**3/28/2006**	Grab/Encore	
	104-106	**3/28/2006**	Grab/Encore	
	116-118	**3/28/2006**	Grab/Encore	
	124-126	**3/28/2006**	Grab/Encore	
	134-136	**3/28/2006**	Grab/Encore	
	144-145	**3/29/2006**	Grab/Encore	
SC-3	**16-18**	**3/29/2006**	Grab/Encore	VOCs, SVOCs, PCBs, Pesticides/Herbacides, Metals
	24-26	**3/29/2006**	Grab/Encore	
	44-46	**3/30/2006**	Grab/Encore	
	75-77	**3/30/2006**	Grab/Encore	
	82-84	**3/30/2006**	Grab/Encore	
SC-3A	**11-14**	**3/31/2006**	Grab/Encore	VOCs, SVOCs, PCBs, Pesticides/Herbacides, Metals
	21-23	**3/31/2006**	Grab/Encore	
	42-44	**4/3/2006**	Grab/Encore	
	58-60	**4/3/2006**	Grab/Encore	
	64-66	**4/3/2006**	Grab/Encore	
	98-100	**4/3/2006**	Grab/Encore	
	106-108	**4/3/2006**	Grab/Encore	
	110-112	**4/3/2006**	Grab/Encore	

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01
Sample ID	2008 Residential	Residential	SC-1(30-40)	SC-1(40-50)	SC-1(54-56)	SC-1(63-65)	SC-1(70-80)	SC-1(88-90)	SC-1(93-95)	SC-1(104-106)	SC-1(110-120)	SC-1(128-130)	SC-1(138-140)	SC-1(144-146)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/21/2006	3/21/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006
Depth Interval	Remediation Standards	Remediation Standards	30 - 40	40 - 50	54 - 56	63 - 65	70 - 80	88 - 90	93 - 95	104 - 106	110 - 120	128 - 130	138 - 140	144 - 146
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs														
1,1,1-Trichloroethane	290	210	< 0.00076	< 0.00097	< 0.00071	< 0.00088	< 0.064	< 0.022	< 0.1	< 0.2	< 0.0007	< 0.00062	< 0.00065	< 0.00067
1,1,2,2-Tetrachloroethane	1	34	< 0.00074	< 0.00094	< 0.00069	< 0.00086	< 0.062	< 0.021	< 0.097	< 0.19	< 0.00067	< 0.00061	< 0.00063	< 0.00065
1,1,2-Trichloroethane	2	22	< 0.00069	< 0.00088	< 0.00065	< 0.0008	< 0.058	< 0.02	< 0.091	< 0.18	< 0.00063	< 0.00057	< 0.00058	< 0.00061
1,1-Dichloroethane	8	570	< 0.00061	< 0.00078	< 0.00058	< 0.00071	< 0.052	< 0.018	< 0.081	< 0.16	< 0.00056	< 0.00051	< 0.00052	< 0.00054
1,1-Dichloroethene	11	8	< 0.00088	< 0.0011	< 0.00083	< 0.001	< 0.074	< 0.026	< 0.12	< 0.23	< 0.00081	< 0.00073	< 0.00075	< 0.00078
1,2,4-Trichlorobenzene	73	68	< 0.00045	< 0.00057	< 0.00042	< 0.00052	< 0.038	< 0.013	< 0.059	< 0.12	< 0.00041	< 0.00037	< 0.00038	< 0.0004
1,2-Dibromo-3-Chloropropane (DBCP)	0.08	NS	< 0.0028	< 0.0035	< 0.0026	< 0.0032	< 0.23	< 0.08	< 0.36	< 0.72	< 0.0025	< 0.0023	< 0.0023	< 0.0024
1,2-Dibromoethane	0.008	NS	< 0.00073	< 0.00092	< 0.00068	< 0.00084	< 0.061	< 0.021	< 0.096	< 0.19	< 0.00066	< 0.0006	< 0.00062	< 0.00064
1,2-Dichlorobenzene	5300	5100	< 0.00058	< 0.00074	< 0.00055	< 0.00068	< 0.049	< 0.017	< 0.077	< 0.15	< 0.00053	< 0.00048	< 0.0005	< 0.00052
1,2-Dichloroethane	0.9	6	< 0.0007	< 0.00089	< 0.00065	< 0.00081	< 0.058	< 0.02	< 0.092	< 0.18	< 0.00064	< 0.00057	< 0.00059	< 0.00062
1,2-Dichloropropane	2	10	< 0.00071	< 0.00091	< 0.00067	< 0.00083	< 0.06	< 0.021	< 0.094	< 0.18	< 0.00065	< 0.00058	< 0.0006	< 0.00063
1,3-Dichlorobenzene	5300	5100	< 0.00063	< 0.0008	< 0.00059	< 0.00073	< 0.053	< 0.018	< 0.083	< 0.16	< 0.00057	< 0.00051	< 0.00053	< 0.00055
1,4-Dichlorobenzene	5	570	< 0.00059	< 0.00075	< 0.00055	< 0.00069	< 0.05	0.0457 J	< 0.078	< 0.15	< 0.00054	< 0.00049	< 0.0005	< 0.00052
2-Butanone (MEK)	3100	1000	< 0.0035	< 0.0045	< 0.0033	0.0143 J	< 0.29	< 0.1	< 0.46	< 0.91	< 0.0032	< 0.0029	< 0.003	< 0.0031
2-Hexanone	NS	NS	< 0.0017	< 0.0022	< 0.0016	< 0.002	< 0.15	< 0.051	< 0.23	< 0.45	< 0.0016	< 0.0014	< 0.0015	< 0.0015
4-methyl-2-pentanone (MIBK)	NS	1000	< 0.0026	< 0.0033	< 0.0024	< 0.003	< 0.21	< 0.074	< 0.34	< 0.66	0.0058 J	< 0.0021	< 0.0022	< 0.0023
Acetone	70000	1000	0.0201	0.0318	0.0351	0.0774	< 0.31	< 0.11	< 0.49	< 0.95	0.0132	< 0.003	0.0047 J	< 0.0032
Benzene	2	3	< 0.00061	< 0.00078	< 0.00058	< 0.00071	< 0.052	0.0541	1.11	0.192 J	< 0.00056	< 0.00051	< 0.00052	< 0.00054
Bromodichloromethane	1	11	< 0.00059	< 0.00075	< 0.00055	< 0.00068	< 0.049	< 0.017	< 0.077	< 0.15	< 0.00054	< 0.00048	< 0.0005	< 0.00052
Bromoform	81	86	< 0.00056	< 0.00071	< 0.00052	< 0.00065	< 0.047	< 0.016	< 0.074	< 0.14	< 0.00051	< 0.00046	< 0.00047	< 0.00049
Bromomethane	25	79	< 0.00047	< 0.0006	< 0.00044	< 0.00055	< 0.04	< 0.014	< 0.063	< 0.12	< 0.00043	< 0.00039	< 0.0004	< 0.00042
Carbon disulfide	7800	NS	0.0013 J	0.0081 J	0.0014 J	0.007 J	< 0.059	0.0522 J	< 0.094	< 0.18	< 0.00065	< 0.00058	0.0012 J	< 0.00063
Carbon tetrachloride	0.6	2	< 0.0012	< 0.0016	< 0.0011	< 0.0014	< 0.1	< 0.035	< 0.16	< 0.32	< 0.0011	< 0.001	< 0.001	< 0.0011
Chlorobenzene	510	37	< 0.00056	0.00099 J	< 0.00052	< 0.00065	< 0.047	< 0.016	< 0.073	< 0.14	< 0.00051	< 0.00046	< 0.00047	< 0.00049
Chloroethane	220	NS	< 0.0022	< 0.0028	< 0.0021	< 0.0026	< 0.19	< 0.065	< 0.3	< 0.58	< 0.002	< 0.0018	< 0.0019	< 0.002
Chloroform	0.6	19	< 0.00075	< 0.00095	< 0.0007	< 0.00087	< 0.063	< 0.022	< 0.099	< 0.19	< 0.00068	< 0.00061	< 0.00063	< 0.00066
Chloromethane	4	520	< 0.00059	< 0.00075	< 0.00055	< 0.00069	< 0.05	< 0.017	< 0.078	< 0.15	< 0.00054	< 0.00049	< 0.0005	< 0.00052
cis-1,2-Dichloroethene	230	79	< 0.00086	< 0.0011	< 0.00081	< 0.001	< 0.072	< 0.025	< 0.11	< 0.22	< 0.00079	< 0.00071	< 0.00073	< 0.00076
cis-1,3-Dichloropropene	2	4	< 0.00053	< 0.00068	< 0.0005	< 0.00062	< 0.045	< 0.015	< 0.07	< 0.14	< 0.00049	< 0.00044	< 0.00045	< 0.00047
Cyclohexane	NS	NS	0.0031 J	< 0.0021	17.4	< 0.0019	< 0.14	2.09	0.296 J	1.08 J	< 0.0015	< 0.0014	< 0.0014	< 0.0015
Dibromochloromethane	3	110	< 0.0007	< 0.0009	< 0.00066	< 0.00082	< 0.059	< 0.02	< 0.093	< 0.18	< 0.00065	< 0.00058	< 0.0006	< 0.00062
Dichlorodifluoromethane	490	NS	< 0.001	< 0.0013	< 0.00096	< 0.0012	< 0.086	< 0.03	< 0.13	< 0.27	< 0.00093	< 0.00084	< 0.00087	< 0.0009
Ethylbenzene	7800	1000	< 0.00058	0.0018	0.0039	0.00074 J	0.125	1.75	5.61	13.5	0.0011 J	< 0.00047	< 0.00049	< 0.00051
Freon 113	NS	NS	< 0.0011	< 0.0014	< 0.001	< 0.0013	< 0.092	< 0.032	< 0.15	< 0.29	< 0.001	< 0.0009	< 0.00093	< 0.00097
Isopropylbenzene	NS	NS	0.0044 J	0.0105	0.0076	0.0449	0.053 J	0.559	0.122 J	1.11 J	0.002 J	< 0.00049	< 0.00051	< 0.00053
Methyl acetate	78000	NS	< 0.0018	< 0.0023	< 0.0017	< 0.0021	1.73	< 0.053	< 0.24	< 0.47	< 0.0017	< 0.0015	< 0.0015	< 0.0016
Methyl tert butyl ether	110	NS	< 0.00072	< 0.00091	< 0.00067	< 0.00083	< 0.06	< 0.021	< 0.095	< 0.19	< 0.00066	< 0.00059	< 0.00061	< 0.00063
Methylcyclohexane	NS	NS	0.0111	0.0054 J	0.041	0.0045 J	< 0.069	0.487	< 0.11	0.787 J	0.0035 J	< 0.00068	< 0.0007	< 0.00073
Methylene chloride	34	49	< 0.00089	< 0.0011	< 0.00083	< 0.001	< 0.074	< 0.026	< 0.12	< 0.23	< 0.00081	< 0.00073	< 0.00075	< 0.00078
o-Xylene	NS	NS	< 0.00063	0.0023	0.0037	0.0014 J	0.0757 J	1.52	5.57	0.629	0.0423	< 0.00052	< 0.00054	< 0.00056
Styrene	90	23	< 0.00042	< 0.00054	< 0.00039	< 0.00049	< 0.035	< 0.012	< 0.055	< 0.11	< 0.00038	< 0.00035	< 0.00036	< 0.00037
Tetrachloroethene	2	4	< 0.0011	< 0.0013	< 0.00099	< 0.0012	< 0.089	< 0.031	< 0.14	< 0.27	< 0.00097	< 0.00087	< 0.0009	< 0.00093
Toluene	6300	1000	< 0.0007	0.0062	0.0026	0.0012 J	< 0.058	0.661	50.6	< 0.18	< 0.00064	< 0.00057	< 0.00059	< 0.00061
Trans-1,2-dichloroethene	300	1000	< 0.00088	< 0.0011	< 0.00082	< 0.001	< 0.074	< 0.025	< 0.12	< 0.23	< 0.0008	< 0.00072	< 0.00074	< 0.00077
trans-1,3-Dichloropropene	2	4	< 0.0005	< 0.00064	< 0.00047	< 0.00058	< 0.042	< 0.015	< 0.067	< 0.13	< 0.00046	< 0.00041	< 0.00043	< 0.00044
Trichloroethene	7	23	< 0.00067	< 0.00085	< 0.00063	< 0.00077	< 0.056	< 0.019	< 0.088	< 0.17	< 0.00061	< 0.00055	< 0.00057	< 0.00059
Trichlorofluoromethane	23000	NS	< 0.00093	< 0.0012	< 0.00088	< 0.0011	< 0.078	< 0.027	< 0.12	< 0.24	< 0.00086	< 0.00077	< 0.00079	< 0.00083
Vinyl Chloride	0.7	2	< 0.00083	< 0.0011	< 0.00078	< 0.00096	< 0.07	< 0.024	< 0.11	< 0.22	< 0.00076	< 0.00068	< 0.0007	< 0.00073
Xylene, -m,p	NS	NS	0.0346	0.0226	0.0193	0.0185	0.406	12	17.6	80.9	0.154	< 0.00093	0.0012 J	< 0.00099
Xylenes	12000	410	0.0346	0.0249	0.0231	0.0199	0.482	13.5	23.1	81.5	0.196	< 0.00052	0.0012 J	< 0.00056
Total TIC, Volatile	NS	NS	0.1169 J	0.425 J	0.581 J	1.263 J	8.13 J	63.37 J	0	32.2 J	0.0629 J	0	0	0

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01
Sample ID	2008 Residential	Residential	SC-1(30-40)	SC-1(40-50)	SC-1(54-56)	SC-1(63-65)	SC-1(70-80)	SC-1(88-90)	SC-1(93-95)	SC-1(104-106)	SC-1(110-120)	SC-1(128-130)	SC-1(138-140)	SC-1(144-146)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/21/2006	3/21/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006
Depth Interval	Remediation Standards	Remediation Standards	30 - 40	40 - 50	54 - 56	63 - 65	70 - 80	88 - 90	93 - 95	104 - 106	110 - 120	128 - 130	138 - 140	144 - 146
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs														
1,1'-Biphenyl	3100	NS	0.0195 J	< 0.025	0.194 J	< 0.023	3.98	< 0.061	< 0.12	< 0.35	< 0.019	< 0.017	< 0.018	< 0.017
2,4,5-Trichlorophenol	6100	5600	< 0.06	< 0.076	< 0.3	< 0.071	< 0.39	< 0.19	< 0.37	< 1.1	< 0.059	< 0.053	< 0.055	< 0.054
2,4,6-Trichlorophenol	19	62	< 0.034	< 0.043	< 0.17	< 0.04	< 0.22	< 0.11	< 0.21	< 0.6	< 0.033	< 0.03	< 0.031	< 0.03
2,4-Dichlorophenol	180	170	< 0.067	< 0.085	< 0.33	< 0.079	< 0.44	< 0.21	< 0.41	< 1.2	< 0.065	< 0.059	< 0.061	< 0.06
2,4-Dimethylphenol	1200	1100	< 0.1	< 0.13	< 0.51	< 0.12	< 0.67	< 0.32	< 0.63	< 1.8	< 0.1	< 0.091	< 0.093	< 0.092
2,4-Dinitrophenol	120	110	< 0.061	< 0.077	< 0.3	< 0.072	< 0.4	< 0.19	< 0.37	< 1.1	< 0.06	< 0.054	< 0.055	< 0.055
2,4-Dinitrotoluene	0.7	1	< 0.046	< 0.059	< 0.23	< 0.055	< 0.3	< 0.15	< 0.28	< 0.83	< 0.045	< 0.041	< 0.042	< 0.042
2,6-Dinitrotoluene	0.7	1	< 0.046	< 0.058	< 0.23	< 0.054	< 0.3	< 0.14	< 0.28	< 0.82	< 0.045	< 0.04	< 0.041	< 0.041
2-Chloronaphthalene	NS	NS	< 0.056	< 0.071	< 0.28	< 0.067	< 0.37	< 0.18	< 0.34	< 1	< 0.055	< 0.05	< 0.051	< 0.051
2-Chlorophenol	310	280	< 0.034	< 0.044	< 0.17	< 0.041	< 0.22	< 0.11	< 0.21	< 0.61	< 0.034	< 0.03	< 0.031	< 0.031
2-Methylnaphthalene	230	NS	0.0578 J	0.039 J	0.605	0.0549 J	16.4	0.989	0.634	< 0.47	< 0.025	< 0.023	< 0.024	< 0.024
2-Methylphenol	310	2800	< 0.039	< 0.05	< 0.19	< 0.047	< 0.26	< 0.12	< 0.24	< 0.7	< 0.038	< 0.035	< 0.036	< 0.035
2-Nitroaniline	39	NS	< 0.025	< 0.032	< 0.13	< 0.03	< 0.17	< 0.08	< 0.15	< 0.45	< 0.025	< 0.022	< 0.023	< 0.023
2-Nitrophenol	NS	NS	< 0.05	< 0.063	< 0.25	< 0.059	< 0.32	< 0.16	< 0.3	< 0.89	< 0.049	< 0.044	< 0.045	< 0.045
3&4-Methylphenol	NS	NS	< 0.057	0.341	< 0.28	< 0.068	< 0.37	1.73	21.5	< 1	< 0.056	< 0.051	< 0.052	< 0.052
3,3'-Dichlorobenzidine	1	2	< 0.038	< 0.049	< 0.19	< 0.045	< 0.25	< 0.12	< 0.23	< 0.68	< 0.037	< 0.034	< 0.035	< 0.034
3-Nitroaniline	NS	NS	< 0.031	< 0.039	< 0.15	< 0.037	< 0.2	< 0.098	< 0.19	< 0.56	< 0.03	< 0.028	< 0.028	< 0.028
4,6-Dinitro-2-methylphenol	6	NS	< 0.035	< 0.044	< 0.17	< 0.041	< 0.23	< 0.11	< 0.21	< 0.62	< 0.034	< 0.031	< 0.032	< 0.031
4-Bromophenyl phenyl ether	NS	NS	< 0.02	< 0.026	< 0.1	< 0.024	< 0.13	< 0.064	< 0.12	< 0.36	< 0.02	< 0.018	< 0.018	< 0.018
4-Chloro-3-Methylphenol	NS	10000	< 0.051	< 0.065	< 0.25	< 0.06	< 0.33	< 0.16	< 0.31	< 0.91	< 0.05	< 0.045	< 0.046	< 0.046
4-Chloroaniline	NS	230	< 0.025	< 0.032	< 0.12	< 0.029	< 0.16	< 0.079	< 0.15	< 0.45	< 0.024	< 0.022	< 0.023	< 0.022
4-Chlorophenyl phenyl ether	NS	NS	< 0.019	< 0.024	< 0.093	< 0.022	< 0.12	< 0.06	< 0.12	< 0.34	< 0.018	< 0.017	< 0.017	< 0.017
4-Nitroaniline	NS	NS	< 0.028	< 0.035	< 0.14	< 0.033	< 0.18	< 0.087	< 0.17	< 0.5	< 0.027	< 0.025	< 0.025	< 0.025
4-Nitrophenol	NS	NS	< 0.055	< 0.069	< 0.27	< 0.065	< 0.36	< 0.17	< 0.33	< 0.98	< 0.053	< 0.048	< 0.049	< 0.049
Acenaphthene	3400	3400	0.0239 J	< 0.026	1.52	< 0.024	36.1	0.154 J	< 0.13	< 0.37	< 0.02	< 0.018	< 0.019	< 0.018
Acenaphthylene	NS	NS	0.0534 J	< 0.021	0.129 J	< 0.019	2.6	< 0.051	< 0.099	< 0.29	< 0.016	< 0.014	< 0.015	< 0.015
Acetophenone	2	NS	< 0.025	< 0.032	< 0.12	< 0.03	< 0.17	< 0.08	< 0.15	< 0.45	< 0.025	< 0.022	< 0.023	< 0.023
Anthracene	17000	10000	0.156	< 0.02	2.75	< 0.018	66.6	0.132 J	0.0975 J	< 0.28	0.0156 J	< 0.014	< 0.014	< 0.014
Atrazine	210	NS	< 0.035	< 0.044	< 0.17	< 0.041	< 0.23	< 0.11	< 0.21	< 0.62	< 0.034	< 0.031	< 0.031	< 0.031
Benzaldehyde	6100	NS	< 0.044	< 0.056	< 0.22	< 0.052	< 0.29	< 0.14	< 0.27	< 0.79	< 0.043	< 0.039	< 0.04	< 0.04
Benzo(a)anthracene	0.6	0.9	0.22	0.0544 J	**3.63**	0.0276 J	**69.1**	0.41	0.613	0.441 J	0.0408 J	< 0.017	< 0.018	< 0.017
Benzo(a)pyrene	0.2	0.66	0.175	0.0383 J	**3.37**	< 0.017	**65.2**	0.269	**0.687**	0.351 J	0.0438 J	< 0.012	< 0.013	< 0.013
Benzo(b)fluoranthene	0.6	0.9	0.166	0.0471 J	**2.75**	< 0.022	**53**	0.281	0.324 J	< 0.33	0.0375 J	< 0.016	< 0.017	< 0.016
Benzo(g,h,i)perylene	380000	NS	0.104	0.0294 J	2.06	< 0.026	37.7	0.325	0.937	< 0.39	< 0.021	< 0.019	< 0.02	< 0.02
Benzo(k)fluoranthene	6	0.9	0.173	0.0401 J	**2.55**	< 0.036	**49.9**	0.109 J	< 0.18	< 0.54	0.0386 J	< 0.027	< 0.027	< 0.027
Benzyl butyl phthalate	1200	1100	0.0573 J	< 0.039	< 0.15	< 0.036	< 0.2	1.45	6.92	< 0.54	< 0.03	< 0.027	< 0.027	< 0.027
bis(2-Chloroethoxy)methane	NS	NS	< 0.026	< 0.033	< 0.13	< 0.031	< 0.17	< 0.082	< 0.16	< 0.46	< 0.025	< 0.023	< 0.023	< 0.023
bis(2-Chloroethyl)ether	0.4	0.66	< 0.02	< 0.025	< 0.099	< 0.024	< 0.13	< 0.063	< 0.12	< 0.36	< 0.02	< 0.018	< 0.018	< 0.018
bis(2-Chloroisopropyl)ether	23	2300	< 0.03	< 0.038	< 0.15	< 0.036	< 0.2	< 0.095	< 0.18	< 0.54	< 0.029	< 0.027	< 0.027	< 0.027
bis(2-Ethylhexyl)phthalate	35	49	1.01	4.15	2.31	0.48	1.23	**57.9**	**213**	9.11 J	3.31	< 0.045	0.136	< 0.046
Caprolactam	31000	NS	< 0.039	< 0.049	< 0.19	< 0.046	< 0.25	< 0.12	< 0.24	< 0.69	< 0.038	< 0.034	< 0.035	< 0.035
Carbazole	24	NS	0.109	< 0.021	0.971	< 0.019	20.5	0.128 J	< 0.099	< 0.29	< 0.016	< 0.014	< 0.015	< 0.015
Chrysene	62	9	0.241	0.0549 J	3.37	0.0286 J	**65.3**	0.885	1.42	0.725 J	0.049 J	< 0.013	< 0.013	< 0.013
Dibenzo(a,h)anthracene	0.2	0.66	0.0321 J	< 0.027	0.405	< 0.025	**10.5**	< 0.066	< 0.13	< 0.38	< 0.021	< 0.019	< 0.019	< 0.019
Dibenzofuran	NS	NS	0.108	< 0.024	1.06	< 0.022	22.3	0.148 J	< 0.11	< 0.33	< 0.018	< 0.017	< 0.017	< 0.017
Diethyl phthalate	49000	10000	< 0.017	< 0.022	< 0.085	< 0.02	< 0.11	< 0.054	0.929	< 0.31	< 0.017	< 0.015	< 0.016	< 0.015
Dimethyl phthalate	NS	10000	< 0.017	< 0.022	< 0.085	< 0.02	< 0.11	< 0.054	< 0.11	< 0.31	< 0.017	< 0.015	< 0.016	< 0.015
di-n-butyl phthalate	6100	5700	< 0.025	0.149	< 0.13	< 0.03	0.342 J	3.58	9.16	0.937 J	< 0.025	< 0.023	< 0.023	< 0.023
di-n-octylphthalate	2400	1100	< 0.034	0.38	< 0.17	< 0.041	< 0.22	< 0.11	4.78	< 0.61	0.671	< 0.03	< 0.031	< 0.031
Fluoranthene	2300	2300	0.634	0.114	9.38	0.0487 J	188	0.483	0.216 J	0.485 J	0.0925	< 0.013	< 0.013	< 0.013
Fluorene	2300	2300	0.18	< 0.02	1.64	< 0.019	40.8	0.264	0.185 J	< 0.29	< 0.016	< 0.014	< 0.015	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01
Sample ID	**2008 Residential**	**Residential**	**SC-1(30-40)**	**SC-1(40-50)**	**SC-1(54-56)**	**SC-1(63-65)**	**SC-1(70-80)**	**SC-1(88-90)**	**SC-1(93-95)**	**SC-1(104-106)**	**SC-1(110-120)**	**SC-1(128-130)**	**SC-1(138-140)**	**SC-1(144-146)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/21/2006**	**3/21/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**30 - 40**	**40 - 50**	**54 - 56**	**63 - 65**	**70 - 80**	**88 - 90**	**93 - 95**	**104 - 106**	**110 - 120**	**128 - 130**	**138 - 140**	**144 - 146**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Hexachlorobenzene	0.3	0.66	< 0.023	< 0.029	< 0.11	< 0.027	< 0.15	< 0.073	< 0.14	< 0.41	< 0.023	< 0.02	< 0.021	< 0.021
Hexachlorobutadiene	6	1	< 0.026	< 0.034	< 0.13	< 0.031	< 0.17	< 0.084	< 0.16	< 0.47	< 0.026	< 0.023	< 0.024	< 0.024
Hexachlorocyclopentadiene	45	400	< 0.029	< 0.037	< 0.14	< 0.034	< 0.19	< 0.091	< 0.18	< 0.52	< 0.028	< 0.026	< 0.026	< 0.026
Hexachloroethane	35	6	< 0.02	< 0.025	< 0.099	< 0.024	< 0.13	< 0.063	< 0.12	< 0.36	< 0.02	< 0.018	< 0.018	< 0.018
Indeno(1,2,3-cd)pyrene	0.6	0.9	0.103	< 0.032	**1.85**	< 0.03	**36.3**	0.0971 J	< 0.16	< 0.46	0.0269 J	< 0.023	< 0.023	< 0.023
Isophrone	510	1100	< 0.02	< 0.025	< 0.098	< 0.024	< 0.13	< 0.063	< 0.12	< 0.36	< 0.019	< 0.018	< 0.018	< 0.018
Naphthalene	6	230	0.128	0.166	1.27	0.194	40.2	3.57	0.644	1.86 J	0.0543 J	< 0.02	< 0.02	< 0.02
Nitrobenzene	31	28	< 0.028	< 0.036	< 0.14	< 0.033	< 0.18	< 0.088	< 0.17	< 0.5	< 0.027	< 0.025	< 0.025	< 0.025
N-Nitroso-di-n-Propylamine	0.2	0.66	< 0.026	< 0.033	< 0.13	< 0.031	< 0.17	< 0.081	< 0.16	< 0.46	< 0.025	< 0.023	< 0.023	< 0.023
N-Nitrosodiphenylamine	99	140	0.334	< 0.021	< 0.082	< 0.02	< 0.11	0.879	< 0.1	0.604 J	< 0.016	< 0.015	< 0.015	< 0.015
Pentachlorophenol	3	6	< 0.045	< 0.057	< 0.22	< 0.053	< 0.29	< 0.14	**8.15**	< 0.8	< 0.044	< 0.04	< 0.041	< 0.04
Phenanthrene	NS	NS	0.782	0.102	9.59	0.0718 J	200	1.1	0.954	0.88 J	0.0515 J	< 0.016	< 0.016	< 0.016
Phenol	18000	10000	< 0.05	< 0.063	< 0.25	0.215 J	< 0.32	< 0.16	< 0.3	< 0.89	< 0.049	< 0.044	< 0.045	< 0.045
Pyrene	1700	1700	0.439	0.109	7.77	0.0495 J	146	1.48	0.725	0.802 J	0.0906	< 0.012	< 0.013	< 0.012
Total TIC, Semi-Volatile	NS	NS	10.86 J	14.96 J	22.5 J	50.75 J	282.3 J	546.7 J	406.1 J	1185 J	6.32 J	0.84 J	0.33 J	0
PCBs														
PCB 1016	0.2	0.49	< 0.0091	< 0.012	< 0.0091	< 0.011	< 0.012	< 0.029	< 0.033	< 0.048	< 0.0089	< 0.0081	< 0.0082	< 0.0082
PCB 1221	0.2	0.49	< 0.0093	< 0.012	< 0.0093	< 0.011	< 0.012	< 0.03	< 0.033	< 0.049	< 0.0092	< 0.0083	< 0.0084	< 0.0084
PCB 1232	0.2	0.49	< 0.0093	< 0.012	< 0.0093	< 0.011	< 0.012	< 0.03	< 0.033	< 0.049	< 0.0092	< 0.0083	< 0.0084	< 0.0084
PCB 1242	0.2	0.49	0.189	0.229	< 0.0062	**0.555**	0.161	0.428	**5.44**	0.247	< 0.0061	< 0.0055	< 0.0056	< 0.0056
PCB 1248	0.2	0.49	< 0.011	< 0.014	< 0.011	< 0.013	< 0.014	< 0.034	< 0.039	< 0.057	< 0.011	< 0.0096	< 0.0098	< 0.0098
PCB 1254	0.2	0.49	< 0.0099	< 0.013	< 0.0099	0.116	< 0.013	< 0.031	< 0.035	< 0.052	< 0.0097	< 0.0088	< 0.009	< 0.009
PCB 1260	0.2	0.49	< 0.0065	0.162	**0.724**	< 0.0078	< 0.0085	< 0.021	**0.971**	< 0.034	< 0.0064	< 0.0058	< 0.0059	< 0.0059
Total PCBs	0.2	0.49	0.189	0.391	**0.724**	**0.671**	0.161	0.428	**6.411**	0.247	0	0	0	0
Pesticides/Herbicides														
4,4-DDD	3	3	0.0054	< 0.00036	0.0075	< 0.00033	< 0.00036	0.0296	1.36	< 0.0015	< 0.00027	< 0.00025	< 0.00025	< 0.00025
4,4-DDE	2	2	0.002	< 0.0004	0.003	< 0.00037	< 0.0004	0.0079	0.276	< 0.0016	< 0.0003	< 0.00027	< 0.00028	< 0.00028
4,4-DDT	2	2	0.0038	< 0.00038	0.0102	< 0.00036	< 0.00039	0.0094	0.197	< 0.0016	< 0.00029	< 0.00027	< 0.00027	< 0.00027
Aldrin	0.04	0.04	< 0.00058	< 0.00074	< 0.00058	< 0.00069	< 0.00075	< 0.0018	< 0.021	< 0.003	< 0.00057	< 0.00051	< 0.00052	< 0.00052
alpha-BHC	0.1	NS	< 0.00014	< 0.00018	< 0.00014	< 0.00017	< 0.00019	< 0.00046	< 0.0052	< 0.00076	< 0.00014	< 0.00013	< 0.00013	< 0.00013
alpha-Chlordane	NS	NS	< 0.00053	< 0.00068	< 0.00053	< 0.00063	< 0.00069	< 0.0017	< 0.019	< 0.0028	< 0.00052	< 0.00047	< 0.00048	< 0.00048
beta-BHC	0.4	NS	< 0.00072	< 0.00092	< 0.00072	< 0.00085	< 0.00093	< 0.0023	< 0.026	< 0.0038	< 0.0007	< 0.00064	< 0.00065	< 0.00065
delta-BHC	NS	NS	< 0.00012	< 0.00015	< 0.00012	< 0.00014	< 0.00015	< 0.00037	< 0.0041	< 0.0006	< 0.00011	< 0.0001	< 0.0001	< 0.0001
Dieldrin	0.04	0.042	< 0.00027	< 0.00035	0.0034	< 0.00033	< 0.00036	0.0072	**2.98**	< 0.0014	< 0.00027	< 0.00024	< 0.00025	< 0.00025
Endosulfan I (alpha)	NS	NS	< 0.00015	< 0.00019	< 0.00015	< 0.00018	< 0.0002	< 0.00048	< 0.0054	< 0.00079	< 0.00015	< 0.00013	< 0.00014	< 0.00014
Endosulfan II (beta)	NS	NS	< 0.00046	< 0.00059	< 0.00046	< 0.00054	< 0.0006	< 0.0015	< 0.016	0.0123	< 0.00045	< 0.00041	< 0.00042	< 0.00042
Endosulfan sulfate	470	NS	< 0.00026	< 0.00033	< 0.00026	< 0.00031	< 0.00034	< 0.00083	< 0.0093	< 0.0014	< 0.00026	< 0.00023	< 0.00024	< 0.00024
Endrin	23	17	< 0.00018	< 0.00024	< 0.00018	< 0.00022	< 0.00024	< 0.00059	0.098	< 0.00096	< 0.00018	< 0.00016	< 0.00017	< 0.00017
Endrin Aldehyde	NS	NS	< 0.00027	< 0.00035	< 0.00027	< 0.00032	< 0.00035	< 0.00086	< 0.0097	< 0.0014	< 0.00027	< 0.00024	< 0.00025	< 0.00025
Endrin ketone	NS	NS	< 0.00027	< 0.00035	< 0.00027	< 0.00032	< 0.00035	< 0.00086	< 0.0097	< 0.0014	< 0.00027	< 0.00024	< 0.00025	< 0.00025
gamma-Chlordane	NS	NS	< 0.0002	< 0.00026	< 0.0002	< 0.00024	< 0.00026	< 0.00064	< 0.0072	< 0.0011	< 0.0002	< 0.00018	< 0.00018	< 0.00018
Heptachlor	0.1	0.15	< 0.0001	< 0.00013	< 0.0001	< 0.00012	< 0.00013	< 0.00032	< 0.0036	< 0.00053	< 0.000099	< 0.000089	< 0.000091	< 0.000091
Heptachlor epoxide	0.07	NS	< 0.00024	< 0.00031	< 0.00024	< 0.00029	< 0.00032	< 0.00077	< 0.0087	< 0.0013	< 0.00024	< 0.00022	< 0.00022	< 0.00022
Lindane	0.4	0.52	< 0.0004	< 0.00051	< 0.0004	< 0.00047	< 0.00052	< 0.0013	< 0.014	< 0.0021	< 0.00039	< 0.00035	< 0.00036	< 0.00036
Methoxychlor	390	280	< 0.00049	< 0.00063	< 0.00049	< 0.00058	< 0.00064	< 0.0016	< 0.018	< 0.0026	< 0.00048	< 0.00043	< 0.00044	< 0.00044
Toxaphene	0.6	0.1	< 0.015	< 0.019	< 0.015	< 0.018	< 0.02	< 0.048	< 0.54	< 0.08	< 0.015	< 0.014	< 0.014	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**	**SC-01**
Sample ID	**2008 Residential**	**Residential**	**SC-1(30-40)**	**SC-1(40-50)**	**SC-1(54-56)**	**SC-1(63-65)**	**SC-1(70-80)**	**SC-1(88-90)**	**SC-1(93-95)**	**SC-1(104-106)**	**SC-1(110-120)**	**SC-1(128-130)**	**SC-1(138-140)**	**SC-1(144-146)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/21/2006**	**3/21/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**	**3/22/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**30 - 40**	**40 - 50**	**54 - 56**	**63 - 65**	**70 - 80**	**88 - 90**	**93 - 95**	**104 - 106**	**110 - 120**	**128 - 130**	**138 - 140**	**144 - 146**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals														
Aluminum	78000	NS	7310	7830	7860	7270	9030	1940	1810	14500	14500	5870	6430	5540
Antimony	31	14	< 24 J	< 31 J	< 12 J	< 72 J	< 32 J	**9800 J**	9.6 J	5.4 J	< 7.1 J	< 22 J	< 22 J	< 22 J
Antimony - method 6020	31	14	< 6	< 7.7	NA	< 7.2	< 7.9	NA	NA	NA	NA	< 5.4	< 5.4	< 5.4
Arsenic	19	20	< 24	**49.1**	12.7	< 72	**32.4**	17.2	3	6.6	< 7.1	< 22	< 22	**24**
Arsenic - method 6020	19	20	**23.3**	NA	NA	**72**	NA	NA	NA	NA	NA	16.3	17.3	NA
Barium	16000	700	< 240	< 310	< 120	< 720	< 320	**815**	87.3	**2520**	338	< 220	< 220	< 220
Barium - method 6020	16000	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	16	2	< 6	< 7.7	< 3	< 18	< 7.9	< 1.9	< 0.75	1.7	< 1.8	< 5.4	< 5.4	< 5.4
Beryllium - method 6020	16	2	< 1.5	< 1.9	< 1.5	< 1.8	< 2	NA	NA	NA	NA	< 1.4	< 1.4	< 1.4
Cadmium	78	39	< 6	< 7.7	4.9	< 18	< 7.9	**44.7**	3.4	34.4	2.4	< 5.4	< 5.4	< 5.4
Calcium	NS	NS	22700	42900	11800	66500	26500	6110	1050	72900	8520	22100	24400	27800
Chromium	NS	240	14.9	45.6	24.7	< 36	20.7	**1720**	64	82.7	21.2	< 11	< 11	12.9
Cobalt	1600	NS	< 60	< 77	< 30	< 180	< 79	< 19	< 7.5	< 11	< 18	< 54	< 54	< 54
Copper	3100	600	< 30	42.8	22.3	< 90	40.8	74.7	50	38.2	21.3	< 27	< 27	< 27
Iron	NS	NS	15300 J	22400 J	17300 J	26000 J	22600 J	15200 J	2600 J	29400 J	36700 J	12800 J	13900 J	10400 J
Lead	400	400	33.8	179	336	< 72	33	**8300**	42.9	128	82.3	< 22	< 22	< 22
Magnesium	NS	NS	< 6000	< 7700	4000	< 18000	< 7900	3520	< 750	17100	5220	6820	8830	7400
Manganese	11000	NS	326	390	302	326	257	262	37.9	1060	648	294	188	237
Mercury	23	14	0.16	1	0.08	0.18	0.22	0.55	0.84	0.14	0.084	< 0.036	< 0.036	< 0.035
Nickel	1600	250	< 48	< 62	< 24	< 140	< 63	106	19.4	24.7	22.2	< 43	< 43	< 43
Potassium	NS	NS	< 6000	< 7700	< 3000	< 18000	< 7900	< 1900	< 750	1330	< 1800	< 5400	< 5400	< 5400
Selenium	390	63	< 24	< 31	< 12	< 72	< 32	< 7.6	< 3	< 4.3	< 7.1	< 22	< 22	< 22
Selenium - method 6020	390	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	390	110	< 12 J	< 15 J	< 6 J	< 36 J	< 16 J	< 3.8 J	< 1.5 J	< 2.2 J	< 3.5 J	< 11 J	< 11 J	< 11 J
Sodium	NS	NS	< 6000 J	< 7700 J	< 3000 J	< 18000 J	< 7900 J	< 1900 J	< 750 J	< 1100 J	< 1800 J	< 5400 J	< 5400 J	< 5400 J
Thallium	5	2	< 12	< 15	< 6	< 36	< 16	< 3.8	< 1.5	< 2.2	< 3.5	< 11	< 11	< 11
Thallium - method 6020	5	2	< 1.5	< 1.9	< 1.5	< 1.8	< 2	< 1.9	NA	< 1.1	< 1.5	< 1.3	< 1.4	< 1.4
Vanadium	78	370	< 60	< 77	31.1	< 180	< 79	< 19	33	35.7	62.8	< 54	< 54	< 54
Zinc	23000	1500	52.6	225	163	< 72	203	1150	303	686	74.9	22.7	32.1	23.7
Other														
Solids, Percent	NS	NS	82.9	65	83.1	69.9	63.4	26.3	67.4	46.1	85.1	92.9	91.7	91.7

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02
Sample ID	**2008 Residential**	**Residential**	**SC-2 (18-20)**	**SC-2 (24-26)**	**SC-2 (38-40)**	**SC-2 (44-46)**	**SC-2 (68-70)**	**SC-2 (74-76)**	**SC-2 (82-84)**	**SC-2 (92-94)**	**SC-2 (104-106)**	**SC-2 (116-118)**	**SC-2 (124-126)**	**SC-2 (134-136)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/27/2006**	**3/27/2006**	**3/27/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**18 - 20**	**24 - 26**	**38 - 40**	**44 - 46**	**68 - 70**	**74 - 76**	**82 - 84**	**92 - 94**	**104 - 106**	**116 - 118**	**124 - 126**	**134 - 136**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs														
1,1,1-Trichloroethane	290	210	< 0.00081	< 0.00079	< 0.0028	< 0.0088	< 0.0048	< 0.04	< 0.039	< 0.0055	< 0.0053	< 0.0079	< 0.00069	< 0.00071
1,1,2,2-Tetrachloroethane	1	34	< 0.00079	< 0.00077	< 0.0027	< 0.0085	< 0.0046	< 0.039	< 0.038	< 0.0053	< 0.0052	< 0.0076	< 0.00067	< 0.00069
1,1,2-Trichloroethane	2	22	< 0.00073	< 0.00072	< 0.0025	< 0.0079	< 0.0043	< 0.037	< 0.035	< 0.0049	< 0.0048	< 0.0071	< 0.00062	< 0.00065
1,1-Dichloroethane	8	570	< 0.00066	< 0.00064	< 0.0022	< 0.0071	< 0.0039	< 0.033	< 0.031	< 0.0044	< 0.0043	< 0.0064	< 0.00056	< 0.00058
1,1-Dichloroethene	11	8	< 0.00094	< 0.00092	< 0.0032	< 0.01	< 0.0055	< 0.047	< 0.045	< 0.0063	< 0.0062	< 0.0091	< 0.0008	< 0.00083
1,2,4-Trichlorobenzene	73	68	< 0.00048	< 0.00047	< 0.0016	< 0.0052	< 0.0028	< 0.024	< 0.023	< 0.0032	< 0.0032	< 0.0046	< 0.00041	< 0.00042
1,2-Dibromo-3-Chloropropane (DBCP)	0.08	NS	< 0.0029	< 0.0029	< 0.01	< 0.032	< 0.017	< 0.15	< 0.14	< 0.02	< 0.019	< 0.029	< 0.0025	< 0.0026
1,2-Dibromoethane	0.008	NS	< 0.00077	< 0.00075	< 0.0026	< 0.0084	< 0.0045	< 0.039	< 0.037	< 0.0052	< 0.0051	< 0.0075	< 0.00065	< 0.00068
1,2-Dichlorobenzene	5300	5100	< 0.00062	< 0.00061	< 0.0021	< 0.0067	< 0.0037	< 0.031	< 0.03	< 0.0042	< 0.0041	< 0.006	< 0.00053	< 0.00055
1,2-Dichloroethane	0.9	6	< 0.00074	< 0.00073	< 0.0025	< 0.0081	< 0.0044	< 0.037	< 0.036	< 0.005	< 0.0049	< 0.0072	< 0.00063	< 0.00065
1,2-Dichloropropane	2	10	< 0.00076	< 0.00074	< 0.0026	< 0.0082	< 0.0045	< 0.038	< 0.036	< 0.0051	< 0.005	< 0.0074	< 0.00064	< 0.00067
1,3-Dichlorobenzene	5300	5100	< 0.00067	< 0.00065	< 0.0023	< 0.0072	< 0.0039	< 0.033	< 0.032	< 0.0045	< 0.0044	< 0.0065	< 0.00057	< 0.00059
1,4-Dichlorobenzene	5	570	< 0.00063	< 0.00061	< 0.0022	< 0.0068	< 0.0037	< 0.031	< 0.03	< 0.0042	0.0128 J	< 0.0061	< 0.00053	< 0.00055
2-Butanone (MEK)	3100	1000	< 0.0037	< 0.0036	< 0.013	< 0.04	< 0.022	< 0.19	< 0.18	< 0.025	< 0.025	< 0.036	< 0.0032	< 0.0033
2-Hexanone	NS	NS	< 0.0019	< 0.0018	< 0.0064	< 0.02	< 0.011	< 0.093	< 0.089	< 0.013	< 0.012	< 0.018	< 0.0016	< 0.0016
4-methyl-2-pentanone (MIBK)	NS	1000	< 0.0027	< 0.0027	< 0.0093	< 0.03	< 0.016	< 0.14	< 0.13	< 0.018	< 0.018	< 0.026	< 0.0023	< 0.0024
Acetone	70000	1000	0.0678	0.0252	0.0849	< 0.042	0.109	< 0.2	< 0.19	0.133	< 0.026	0.189	0.0093 J	< 0.0034
Benzene	2	3	< 0.00066	< 0.00064	0.0035 J	< 0.0071	0.0067 J	< 0.033	0.0807	0.0063 J	0.118	0.102	< 0.00056	< 0.00058
Bromodichloromethane	1	11	< 0.00062	< 0.00061	< 0.0021	< 0.0068	< 0.0037	< 0.031	< 0.03	< 0.0042	< 0.0041	< 0.0061	< 0.00053	< 0.00055
Bromoform	81	86	< 0.00059	< 0.00058	< 0.002	< 0.0064	< 0.0035	< 0.03	< 0.029	< 0.004	< 0.0039	< 0.0058	< 0.0005	< 0.00052
Bromomethane	25	79	< 0.00051	< 0.00049	< 0.0017	< 0.0055	< 0.003	< 0.025	< 0.024	< 0.0034	< 0.0033	< 0.0049	< 0.00043	< 0.00044
Carbon disulfide	7800	NS	0.0016 J	< 0.00074	0.0283	0.0326 J	0.0082 J	< 0.038	< 0.036	0.0153 J	0.0099 J	0.0647 J	< 0.00064	0.0019 J
Carbon tetrachloride	0.6	2	< 0.0013	< 0.0013	< 0.0044	< 0.014	< 0.0076	< 0.065	< 0.062	< 0.0087	< 0.0086	< 0.013	< 0.0011	< 0.0011
Chlorobenzene	510	37	< 0.00059	< 0.00058	< 0.002	< 0.0064	< 0.0035	< 0.03	< 0.028	< 0.004	0.0083 J	0.013 J	< 0.0005	< 0.00052
Chloroethane	220	NS	< 0.0024	< 0.0023	< 0.0082	< 0.026	< 0.014	< 0.12	< 0.11	< 0.016	< 0.016	< 0.023	< 0.002	< 0.0021
Chloroform	0.6	19	< 0.0008	< 0.00078	< 0.0027	< 0.0086	< 0.0047	< 0.04	< 0.038	< 0.0054	< 0.0053	< 0.0077	< 0.00067	0.00082 J
Chloromethane	4	520	< 0.00063	< 0.00062	< 0.0022	< 0.0068	< 0.0037	< 0.032	< 0.03	< 0.0042	< 0.0042	< 0.0061	< 0.00053	< 0.00055
cis-1,2-Dichloroethene	230	79	< 0.00092	< 0.0009	< 0.0031	< 0.0099	< 0.0054	< 0.046	< 0.044	< 0.0062	< 0.0061	< 0.0089	< 0.00078	< 0.00081
cis-1,3-Dichloropropene	2	4	< 0.00057	< 0.00055	< 0.0019	< 0.0061	< 0.0033	< 0.028	< 0.027	< 0.0038	< 0.0037	< 0.0055	< 0.00048	< 0.0005
Cyclohexane	NS	NS	< 0.0018	< 0.0017	< 0.006	0.12	0.167	< 0.087	< 0.084	0.0247 J	0.0269 J	0.506	< 0.0015	< 0.0015
Dibromochloromethane	3	110	< 0.00075	< 0.00073	< 0.0026	< 0.0081	< 0.0044	< 0.038	< 0.036	< 0.0051	< 0.005	< 0.0073	< 0.00064	< 0.00066
Dichlorodifluoromethane	490	NS	< 0.0011	< 0.0011	< 0.0037	< 0.012	< 0.0064	< 0.054	< 0.052	< 0.0073	< 0.0072	< 0.011	< 0.00092	< 0.00096
Ethylbenzene	7800	1000	0.0023	< 0.0006	0.0268	0.0104 J	7.53	2.86	62.3	0.0446	0.687	12.6	0.00064 J	0.0016
Freon 113	NS	NS	< 0.0012	< 0.0011	< 0.004	< 0.013	< 0.0069	< 0.059	< 0.056	< 0.0079	< 0.0077	< 0.011	< 0.00099	< 0.001
Isopropylbenzene	NS	NS	0.0026 J	< 0.00062	0.0403	0.271	0.807	0.291 J	0.945	0.424	0.0268 J	1.9 J	< 0.00054	< 0.00056
Methyl acetate	78000	NS	< 0.0019	< 0.0019	< 0.0066	< 0.021	< 0.011	< 0.096	< 0.093	< 0.013	1.89	< 0.019	< 0.0016	< 0.0017
Methyl tert butyl ether	110	NS	< 0.00077	< 0.00075	< 0.0026	< 0.0083	< 0.0045	< 0.038	< 0.037	< 0.0052	< 0.0051	< 0.0074	< 0.00065	< 0.00067
Methylcyclohexane	NS	NS	< 0.00088	< 0.00086	0.104	0.448	0.124	0.129 J	0.878	0.0852	< 0.0058	1.8	< 0.00075	< 0.00078
Methylene chloride	34	49	< 0.00095	< 0.00092	< 0.0032	< 0.01	< 0.0056	< 0.047	< 0.045	< 0.0064	0.021 J	< 0.0092	0.0031 J	< 0.00083
o-Xylene	NS	NS	0.0011 J	< 0.00066	0.0487	0.0105 J	9.14	0.911	15.3	0.0307	0.319	1.23	< 0.00057	< 0.00059
Styrene	90	23	< 0.00045	< 0.00044	< 0.0015	< 0.0048	< 0.0026	< 0.022	< 0.021	< 0.003	< 0.003	0.29	< 0.00038	< 0.00039
Tetrachloroethene	2	4	< 0.0011	< 0.0011	< 0.0039	< 0.012	< 0.0066	< 0.056	< 0.054	< 0.0076	< 0.0074	< 0.011	< 0.00095	< 0.00099
Toluene	6300	1000	0.0025	< 0.00072	0.03	0.0522	1.22	1.12	0.587	0.0427	0.578	0.143	< 0.00063	0.00082 J
Trans-1,2-dichloroethene	300	1000	< 0.00094	< 0.00091	< 0.0032	< 0.01	< 0.0055	< 0.047	< 0.045	< 0.0063	< 0.0062	< 0.0091	< 0.00079	< 0.00082
trans-1,3-Dichloropropene	2	4	< 0.00054	< 0.00052	< 0.0018	< 0.0058	< 0.0032	< 0.027	< 0.026	< 0.0036	< 0.0035	< 0.0052	< 0.00045	< 0.00047
Trichloroethene	7	23	< 0.00071	< 0.00069	< 0.0024	< 0.0077	< 0.0042	0.0897 J	< 0.034	< 0.0048	< 0.0047	< 0.0069	< 0.0006	< 0.00063
Trichlorofluoromethane	23000	NS	< 0.001	< 0.00097	< 0.0034	< 0.011	< 0.0059	< 0.05	< 0.048	< 0.0067	< 0.0066	< 0.0097	< 0.00084	< 0.00088
Vinyl Chloride	0.7	2	< 0.00088	< 0.00086	< 0.003	< 0.0096	< 0.0052	< 0.044	< 0.042	< 0.006	< 0.0058	< 0.0086	< 0.00075	< 0.00078
Xylene, -m,p	NS	NS	0.008	0.0013 J	0.38	0.0845	29	9.14	188	1.35	2.69	52.4	0.0044	0.0033
Xylenes	12000	410	0.0091	0.0013 J	0.429	0.095	38.2	10.1	203	1.38	3	53.3	0.0044	0.0039
Total TIC, Volatile	NS	NS	0.1218 J	0	3.235 J	11.11 J	7.61 J	45 J	34.1 J	11.5 J	0.322 J	51.9 J	0	0

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02
Sample ID	2008 Residential	Residential	SC-2 (18-20)	SC-2 (24-26)	SC-2 (38-40)	SC-2 (44-46)	SC-2 (68-70)	SC-2 (74-76)	SC-2 (82-84)	SC-2 (92-94)	SC-2 (104-106)	SC-2 (116-118)	SC-2 (124-126)	SC-2 (134-136)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/27/2006	3/27/2006	3/27/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006
Depth Interval	Remediation Standards	Remediation Standards	18 - 20	24 - 26	38 - 40	44 - 46	68 - 70	74 - 76	82 - 84	92 - 94	104 - 106	116 - 118	124 - 126	134 - 136
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs														
1,1'-Biphenyl	3100	NS	< 0.021	< 0.019	< 0.063	0.27	< 0.018	0.0295 J	0.0261 J	< 0.021	< 0.11	0.0657 J	< 0.017	< 0.017
2,4,5-Trichlorophenol	6100	5600	< 0.064	< 0.06	< 0.2	< 0.18	< 0.056	< 0.059	< 0.058	< 0.065	< 0.33	< 0.093	< 0.053	< 0.054
2,4,6-Trichlorophenol	19	62	< 0.036	< 0.034	< 0.11	< 0.099	< 0.031	< 0.033	< 0.032	< 0.036	< 0.18	< 0.052	< 0.03	< 0.03
2,4-Dichlorophenol	180	170	< 0.071	< 0.067	< 0.22	< 0.2	< 0.062	< 0.065	< 0.064	< 0.072	< 0.37	< 0.1	< 0.059	< 0.06
2,4-Dimethylphenol	1200	1100	< 0.11	< 0.1	< 0.34	< 0.3	< 0.096	< 0.1	< 0.098	< 0.11	< 0.56	< 0.16	< 0.091	< 0.092
2,4-Dinitrophenol	120	110	< 0.065	< 0.061	< 0.2	< 0.18	< 0.057	< 0.06	< 0.058	< 0.065	< 0.33	< 0.094	< 0.054	< 0.055
2,4-Dinitrotoluene	0.7	1	< 0.05	< 0.046	< 0.15	< 0.14	< 0.043	< 0.045	< 0.045	< 0.05	< 0.25	< 0.072	< 0.041	< 0.042
2,6-Dinitrotoluene	0.7	1	< 0.049	< 0.046	< 0.15	< 0.13	< 0.043	< 0.045	< 0.044	< 0.049	< 0.25	< 0.07	< 0.04	< 0.041
2-Chloronaphthalene	NS	NS	< 0.06	< 0.056	< 0.18	< 0.17	< 0.052	< 0.055	< 0.054	< 0.06	< 0.31	< 0.086	< 0.05	< 0.05
2-Chlorophenol	310	280	< 0.037	< 0.034	< 0.11	< 0.1	< 0.032	< 0.034	< 0.033	< 0.037	< 0.19	< 0.053	< 0.03	< 0.031
2-Methylnaphthalene	230	NS	< 0.028	< 0.026	0.161 J	2.6	0.291	0.513	0.112	0.0767 J	0.168 J	1.36	< 0.023	< 0.023
2-Methylphenol	310	2800	< 0.042	< 0.039	< 0.13	< 0.12	< 0.037	< 0.038	< 0.038	< 0.042	< 0.21	< 0.061	< 0.035	< 0.035
2-Nitroaniline	39	NS	< 0.027	< 0.025	< 0.083	< 0.075	< 0.024	< 0.025	< 0.024	< 0.027	< 0.14	< 0.039	< 0.022	< 0.023
2-Nitrophenol	NS	NS	< 0.053	< 0.05	< 0.16	< 0.15	< 0.046	< 0.049	< 0.048	< 0.053	< 0.27	< 0.077	< 0.044	< 0.045
3&4-Methylphenol	NS	NS	< 0.061	< 0.057	1.03	< 0.17	< 0.053	< 0.056	< 0.055	< 0.062	1.16	< 0.088	< 0.051	< 0.051
3,3'-Dichlorobenzidine	1	2	< 0.041	< 0.038	< 0.13	< 0.11	< 0.036	< 0.037	< 0.037	< 0.041	< 0.21	< 0.059	< 0.034	< 0.034
3-Nitroaniline	NS	NS	< 0.033	< 0.031	< 0.1	< 0.092	< 0.029	< 0.03	< 0.03	< 0.033	< 0.17	< 0.048	< 0.027	< 0.028
4,6-Dinitro-2-methylphenol	6	NS	< 0.037	< 0.035	< 0.11	< 0.1	< 0.032	< 0.034	< 0.033	< 0.037	< 0.19	< 0.054	< 0.031	< 0.031
4-Bromophenyl phenyl ether	NS	NS	< 0.022	< 0.02	< 0.067	< 0.06	< 0.019	< 0.02	< 0.02	< 0.022	< 0.11	< 0.031	< 0.018	< 0.018
4-Chloro-3-Methylphenol	NS	10000	< 0.054	< 0.051	< 0.17	< 0.15	< 0.047	< 0.05	< 0.049	< 0.055	< 0.28	< 0.078	< 0.045	< 0.046
4-Chloroaniline	NS	230	< 0.027	< 0.025	< 0.081	< 0.073	< 0.023	< 0.024	< 0.024	< 0.027	< 0.14	< 0.038	< 0.022	< 0.022
4-Chlorophenyl phenyl ether	NS	NS	< 0.02	< 0.019	< 0.062	< 0.056	< 0.018	< 0.018	< 0.018	< 0.02	< 0.1	< 0.029	< 0.017	< 0.017
4-Nitroaniline	NS	NS	< 0.03	< 0.028	< 0.091	< 0.082	< 0.026	< 0.027	< 0.027	< 0.03	< 0.15	< 0.043	< 0.024	< 0.025
4-Nitrophenol	NS	NS	< 0.058	< 0.054	< 0.18	< 0.16	< 0.051	< 0.053	< 0.052	< 0.058	< 0.3	< 0.084	< 0.048	< 0.049
Acenaphthene	3400	3400	< 0.022	< 0.02	< 0.067	< 0.06	0.061 J	0.178	0.0299 J	< 0.022	< 0.11	0.0345 J	< 0.018	< 0.018
Acenaphthylene	NS	NS	< 0.017	< 0.016	< 0.053	< 0.048	< 0.015	< 0.016	< 0.016	< 0.017	< 0.089	< 0.025	< 0.014	< 0.015
Acetophenone	2	NS	< 0.027	< 0.025	< 0.083	< 0.075	< 0.024	< 0.025	< 0.024	< 0.027	< 0.14	< 0.039	< 0.022	< 0.023
Anthracene	17000	10000	< 0.017	< 0.016	0.053 J	< 0.046	0.125	0.25	0.0647 J	< 0.017	< 0.085	0.0531 J	< 0.014	< 0.014
Atrazine	210	NS	< 0.037	< 0.035	< 0.11	< 0.1	< 0.032	< 0.034	< 0.033	< 0.037	< 0.19	< 0.053	< 0.031	< 0.031
Benzaldehyde	6100	NS	< 0.047	< 0.044	< 0.14	< 0.13	< 0.041	< 0.043	< 0.042	< 0.047	< 0.24	< 0.068	< 0.039	< 0.04
Benzo(a)anthracene	0.6	0.9	< 0.021	< 0.019	0.106 J	0.0747 J	0.141	0.362	< 0.019	0.053 J	0.33 J	0.0802 J	< 0.017	< 0.017
Benzo(a)pyrene	0.2	0.66	< 0.015	< 0.014	0.106 J	< 0.041	0.129	0.309	0.104	0.0604 J	< 0.076	0.0665 J	< 0.012	< 0.013
Benzo(b)fluoranthene	0.6	0.9	< 0.019	< 0.018	< 0.06	< 0.054	0.11	0.324	0.0821	0.0487 J	< 0.1	0.0944 J	< 0.016	< 0.016
Benzo(g,h,i)perylene	380000	NS	< 0.023	< 0.022	< 0.072	< 0.065	0.0442 J	0.139	0.115	0.0261 J	< 0.12	0.0406 J	< 0.019	< 0.02
Benzo(k)fluoranthene	6	0.9	< 0.032	< 0.03	< 0.099	< 0.089	0.125	0.316	0.0701 J	0.039 J	< 0.17	0.088 J	< 0.027	< 0.027
Benzyl butyl phthalate	1200	1100	< 0.032	< 0.03	< 0.099	< 0.089	< 0.028	< 0.03	< 0.029	< 0.033	< 0.17	< 0.047	< 0.027	< 0.027
bis(2-Chloroethoxy)methane	NS	NS	< 0.028	< 0.026	< 0.085	< 0.076	< 0.024	< 0.025	< 0.025	< 0.028	< 0.14	< 0.04	< 0.023	< 0.023
bis(2-Chloroethyl)ether	0.4	0.66	< 0.021	< 0.02	< 0.065	< 0.059	< 0.019	< 0.02	< 0.019	< 0.021	< 0.11	< 0.031	< 0.018	< 0.018
bis(2-Chloroisopropyl)ether	23	2300	< 0.032	< 0.03	< 0.098	< 0.089	< 0.028	< 0.029	< 0.029	< 0.032	< 0.16	< 0.046	< 0.027	< 0.027
bis(2-Ethylhexyl)phthalate	35	49	0.991	0.166	**85.7**	40.2	0.381	23.1	**4260**	6.69	2.27	**53.1**	0.14	0.0622 J
Caprolactam	31000	NS	< 0.041	< 0.039	< 0.13	< 0.11	< 0.036	< 0.038	< 0.037	< 0.041	< 0.21	< 0.059	< 0.034	< 0.035
Carbazole	24	NS	< 0.017	< 0.016	< 0.053	< 0.048	0.0465 J	0.146	< 0.016	< 0.017	< 0.089	0.0426 J	< 0.014	< 0.015
Chrysene	62	9	0.028 J	< 0.015	0.193 J	0.143 J	0.152	0.252	< 0.014	0.0857 J	0.805	0.114 J	< 0.013	< 0.013
Dibenzo(a,h)anthracene	0.2	0.66	< 0.022	< 0.021	< 0.069	< 0.062	< 0.02	0.0276 J	< 0.02	< 0.023	< 0.11	< 0.032	< 0.019	< 0.019
Dibenzofuran	NS	NS	< 0.02	< 0.019	0.0732 J	0.0807 J	0.0463 J	0.129	0.0233 J	< 0.02	< 0.1	< 0.029	< 0.016	< 0.017
Diethyl phthalate	49000	10000	< 0.018	< 0.017	0.146 J	< 0.051	< 0.016	< 0.017	0.143	< 0.018	< 0.094	< 0.026	< 0.015	< 0.015
Dimethyl phthalate	NS	10000	< 0.018	< 0.017	< 0.056	< 0.051	< 0.016	< 0.017	< 0.016	< 0.018	< 0.094	< 0.026	< 0.015	< 0.015
di-n-butyl phthalate	6100	5700	< 0.027	< 0.025	2.05	< 0.075	< 0.024	< 0.025	0.617	0.107	0.224 J	< 0.039	< 0.023	< 0.023
di-n-octylphthalate	2400	1100	< 0.037	< 0.034	12.5	< 0.1	0.173	< 0.034	< 0.033	0.261	< 0.19	< 0.053	< 0.03	< 0.031
Fluoranthene	2300	2300	0.0207 J	< 0.014	0.209 J	0.0876 J	0.345	0.67	0.109	0.0572 J	0.0983 J	0.156	< 0.013	< 0.013
Fluorene	2300	2300	< 0.017	< 0.016	0.116 J	0.144 J	0.0914	0.192	0.0513 J	0.024 J	0.185 J	0.0596 J	< 0.014	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**	**SC-02**
Sample ID	**2008 Residential**	**Residential**	**SC-2 (18-20)**	**SC-2 (24-26)**	**SC-2 (38-40)**	**SC-2 (44-46)**	**SC-2 (68-70)**	**SC-2 (74-76)**	**SC-2 (82-84)**	**SC-2 (92-94)**	**SC-2 (104-106)**	**SC-2 (116-118)**	**SC-2 (124-126)**	**SC-2 (134-136)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/27/2006**	**3/27/2006**	**3/27/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**18 - 20**	**24 - 26**	**38 - 40**	**44 - 46**	**68 - 70**	**74 - 76**	**82 - 84**	**92 - 94**	**104 - 106**	**116 - 118**	**124 - 126**	**134 - 136**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Hexachlorobenzene	0.3	0.66	< 0.025	< 0.023	< 0.075	< 0.068	< 0.021	< 0.023	< 0.022	< 0.025	< 0.13	< 0.036	< 0.02	< 0.021
Hexachlorobutadiene	6	1	< 0.028	< 0.026	< 0.086	< 0.078	< 0.025	< 0.026	< 0.025	< 0.028	< 0.14	< 0.041	< 0.023	< 0.024
Hexachlorocyclopentadiene	45	400	< 0.031	< 0.029	< 0.094	< 0.085	< 0.027	< 0.028	< 0.028	< 0.031	< 0.16	< 0.044	< 0.025	< 0.026
Hexachloroethane	35	6	< 0.021	< 0.02	< 0.066	< 0.059	< 0.019	< 0.02	< 0.019	< 0.022	< 0.11	< 0.031	< 0.018	< 0.018
Indeno(1,2,3-cd)pyrene	0.6	0.9	< 0.027	< 0.025	< 0.083	< 0.075	0.0576 J	0.158	0.0662 J	< 0.027	< 0.14	0.0415 J	< 0.022	< 0.023
Isophrone	510	1100	< 0.021	< 0.02	< 0.065	< 0.059	< 0.019	< 0.019	< 0.019	< 0.021	< 0.11	< 0.031	< 0.018	< 0.018
Naphthalene	6	230	< 0.024	< 0.023	0.386	5.68	0.904	2.19	1.94	0.263	0.598	3.34	< 0.02	< 0.02
Nitrobenzene	31	28	< 0.03	< 0.028	< 0.091	< 0.082	< 0.026	< 0.027	< 0.027	< 0.03	< 0.15	< 0.043	< 0.025	< 0.025
N-Nitroso-di-n-Propylamine	0.2	0.66	< 0.027	< 0.026	< 0.084	< 0.076	< 0.024	< 0.025	< 0.025	< 0.028	< 0.14	< 0.04	< 0.023	< 0.023
N-Nitrosodiphenylamine	99	140	< 0.018	< 0.017	0.334 J	0.207 J	< 0.015	0.539	0.627	0.147 J	< 0.09	0.193 J	< 0.015	< 0.015
Pentachlorophenol	3	6	< 0.048	< 0.045	< 0.15	< 0.13	< 0.042	< 0.044	< 0.043	< 0.048	< 0.25	< 0.069	< 0.04	< 0.04
Phenanthrene	NS	NS	0.071 J	< 0.018	0.46	0.459	0.485	0.875	0.299	0.0996	1	0.285	< 0.016	< 0.016
Phenol	18000	10000	< 0.053	< 0.05	0.453 J	< 0.15	< 0.046	< 0.049	< 0.048	< 0.053	< 0.27	< 0.077	< 0.044	< 0.045
Pyrene	1700	1700	0.039 J	< 0.014	0.36	0.25	0.386	0.963	0.612	0.118	1.28	0.303	< 0.012	< 0.012
Total TIC, Semi-Volatile	NS	NS	8.26 J	1.44 J	179.8 J	243.7 J	14.86 J	151.1 J	58.1 J	59.04 J	119.3 J	78.4 J	0.57 J	0.71 J
PCBs														
PCB 1016	0.2	0.49	< 0.0097	< 0.0091	< 0.03	< 0.027	< 0.0085	< 0.0089	< 0.0088	< 0.0098	< 0.01	< 0.014	< 0.008	< 0.0081
PCB 1221	0.2	0.49	< 0.01	< 0.0093	< 0.031	< 0.028	< 0.0087	< 0.0092	< 0.009	< 0.01	< 0.01	< 0.014	< 0.0082	< 0.0083
PCB 1232	0.2	0.49	< 0.01	< 0.0093	< 0.031	< 0.028	< 0.0087	< 0.0092	< 0.009	< 0.01	< 0.01	< 0.014	< 0.0082	< 0.0083
PCB 1242	0.2	0.49	< 0.0066	< 0.0062	< 0.02	< 0.018	< 0.0058	< 0.0061	< 0.006	**0.606**	< 0.0068	< 0.0095	< 0.0054	< 0.0055
PCB 1248	0.2	0.49	< 0.012	< 0.011	< 0.035	**1.32**	< 0.01	< 0.011	< 0.01	< 0.012	< 0.012	**1.29**	< 0.0095	< 0.0097
PCB 1254	0.2	0.49	< 0.011	< 0.0099	< 0.032	**1.38**	< 0.0093	< 0.0097	< 0.0096	< 0.011	< 0.011	< 0.015	< 0.0087	< 0.0088
PCB 1260	0.2	0.49	0.0906	< 0.0065	**3.88**	0.405	< 0.0061	< 0.0064	< 0.0063	< 0.007	< 0.0072	0.156	< 0.0057	< 0.0058
Total PCBs	0.2	0.49	0.0906	0	**3.88**	**3.105**	0	0	0	**0.606**	0	**1.446**	0	0
Pesticides/Herbicides														
4,4-DDD	3	3	< 0.0003	< 0.00028	0.0184	< 0.00082	< 0.00026	< 0.00027	< 0.00027	0.0016 J	< 0.00061	< 0.00043	< 0.00025	< 0.00025
4,4-DDE	2	2	< 0.00033	< 0.00031	< 0.001	< 0.00091	< 0.00029	< 0.0003	< 0.0003	< 0.00033	< 0.00068	< 0.00047	< 0.00027	< 0.00028
4,4-DDT	2	2	< 0.00032	< 0.0003	0.0588	< 0.00088	< 0.00028	< 0.00029	< 0.00029	< 0.00032	< 0.00066	< 0.00046	< 0.00026	< 0.00027
Aldrin	0.04	0.04	< 0.00062	< 0.00057	< 0.0019	< 0.0017	< 0.00054	< 0.00057	< 0.00056	< 0.00062	< 0.0013	< 0.00089	< 0.00051	< 0.00052
alpha-BHC	0.1	NS	< 0.00015	< 0.00014	< 0.00047	< 0.00043	< 0.00014	< 0.00014	< 0.00014	< 0.00016	< 0.00032	< 0.00022	< 0.00013	< 0.00013
alpha-Chlordane	NS	NS	< 0.00057	< 0.00053	< 0.0017	< 0.0016	< 0.0005	< 0.00052	< 0.00051	< 0.00057	< 0.0012	< 0.00081	< 0.00047	< 0.00047
beta-BHC	0.4	NS	< 0.00077	< 0.00071	< 0.0023	< 0.0021	< 0.00067	< 0.0007	< 0.00069	< 0.00077	< 0.0016	< 0.0011	< 0.00063	< 0.00064
delta-BHC	NS	NS	< 0.00012	< 0.00011	< 0.00038	< 0.00034	< 0.00011	< 0.00011	< 0.00011	< 0.00012	< 0.00025	< 0.00018	< 0.0001	< 0.0001
Dieldrin	0.04	0.042	0.0038	< 0.00027	0.0364	< 0.00081	< 0.00026	< 0.00027	< 0.00027	0.0025	< 0.0006	< 0.00042	< 0.00024	< 0.00025
Endosulfan I (alpha)	NS	NS	< 0.00016	< 0.00015	< 0.0005	< 0.00045	< 0.00014	< 0.00015	< 0.00015	< 0.00016	< 0.00033	< 0.00023	< 0.00013	< 0.00014
Endosulfan II (beta)	NS	NS	< 0.00049	< 0.00045	< 0.0015	< 0.0014	< 0.00043	< 0.00045	< 0.00044	< 0.00049	< 0.001	< 0.0007	< 0.0004	< 0.00041
Endosulfan sulfate	470	NS	< 0.00028	< 0.00026	< 0.00085	< 0.00077	< 0.00024	< 0.00026	< 0.00025	< 0.00028	< 0.00057	< 0.0004	< 0.00023	< 0.00023
Endrin	23	17	< 0.0002	< 0.00018	< 0.0006	< 0.00054	< 0.00017	< 0.00018	< 0.00018	< 0.0002	< 0.0004	< 0.00028	< 0.00016	< 0.00016
Endrin Aldehyde	NS	NS	< 0.00029	< 0.00027	< 0.00089	< 0.0008	< 0.00025	< 0.00027	< 0.00026	< 0.00029	< 0.00059	< 0.00042	< 0.00024	< 0.00024
Endrin ketone	NS	NS	< 0.00029	< 0.00027	< 0.00089	< 0.0008	< 0.00025	< 0.00027	< 0.00026	< 0.00029	< 0.0006	< 0.00042	< 0.00024	< 0.00024
gamma-Chlordane	NS	NS	< 0.00022	< 0.0002	< 0.00066	< 0.0006	< 0.00019	< 0.0002	< 0.0002	< 0.00022	< 0.00044	< 0.00031	< 0.00018	< 0.00018
Heptachlor	0.1	0.15	< 0.00011	< 0.0001	< 0.00033	< 0.0003	< 0.000094	< 0.000099	< 0.000097	< 0.00011	< 0.00022	< 0.00015	< 0.000088	< 0.00009
Heptachlor epoxide	0.07	NS	< 0.00026	< 0.00024	< 0.0008	< 0.00072	< 0.00023	< 0.00024	< 0.00024	< 0.00026	< 0.00053	< 0.00037	< 0.00021	< 0.00022
Lindane	0.4	0.52	< 0.00043	< 0.00039	< 0.0013	< 0.0012	< 0.00037	< 0.00039	< 0.00039	< 0.00043	< 0.00087	< 0.00061	< 0.00035	< 0.00036
Methoxychlor	390	280	< 0.00052	< 0.00049	< 0.0016	< 0.0014	< 0.00046	< 0.00048	< 0.00047	< 0.00053	< 0.0011	< 0.00075	< 0.00043	< 0.00044
Toxaphene	0.6	0.1	< 0.016	< 0.015	< 0.05	< 0.045	< 0.014	< 0.015	< 0.015	< 0.016	< 0.033	< 0.023	< 0.013	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02
Sample ID	**2008 Residential**	**Residential**	**SC-2 (18-20)**	**SC-2 (24-26)**	**SC-2 (38-40)**	**SC-2 (44-46)**	**SC-2 (68-70)**	**SC-2 (74-76)**	**SC-2 (82-84)**	**SC-2 (92-94)**	**SC-2 (104-106)**	**SC-2 (116-118)**	**SC-2 (124-126)**	**SC-2 (134-136)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/27/2006**	**3/27/2006**	**3/27/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**	**3/28/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**18 - 20**	**24 - 26**	**38 - 40**	**44 - 46**	**68 - 70**	**74 - 76**	**82 - 84**	**92 - 94**	**104 - 106**	**116 - 118**	**124 - 126**	**134 - 136**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals														
Aluminum	78000	NS	15100	10200	2980	6190	7500	8190	7220	5060	4500	7320	4060	4680
Antimony	31	14	3.2	< 2.4	**2390**	9.7	< 2.3	< 24	< 56	< 72	< 2.7	**18.3**	< 22	< 22
Antimony - method 6020	31	14	NA	NA	NA	NA	NA	< 6.1	< 5.6	< 7.2	NA	NA	< 5.4	< 5.4
Arsenic	19	20	5	4.6	19.5	7.5	6.6	**35.1**	**57.4**	**82.4**	< 2.7	**32.6**	**22.6**	**23.8**
Arsenic - method 6020	19	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	16000	700	147	49.4	303	**805**	156	< 240	< 560	< 720	54.5	**2480**	< 220	< 220
Barium - method 6020	16000	700	NA	NA	NA	NA	NA	NA	NA	38.4	NA	NA	NA	NA
Beryllium	16	2	0.73	0.64	< 2	< 1.9	0.64	< 6.1	< 14	< 18	0.8	< 4.4	< 5.4	< 5.4
Beryllium - method 6020	16	2	NA	NA	NA	NA	NA	< 1.5	< 1.4	< 1.8	NA	< 1.8	< 1.4	< 1.4
Cadmium	78	39	< 0.67	< 0.6	6.5	3.3	< 0.56	< 6.1	< 14	< 18	2	< 4.4	< 5.4	< 5.4
Calcium	NS	NS	4840	3800	12300	5960	5110	27800	56100	67400	84100	21600	26200	24100
Chromium	NS	240	42.3	17.4	83.1	46.5	14.8	17.3	< 28	< 36	7.5	67.3	< 11	< 11
Cobalt	1600	NS	15.1	8.6	< 20	< 19	5.9	< 61	< 140	< 180	< 6.8	< 44	< 54	< 54
Copper	3100	600	81.8	21.5	105	38.6	46.2	< 31	< 70	< 90	26.9	43.3	< 27	< 27
Iron	NS	NS	47800 J	29800 J	32500 J	11000 J	16600 J	21500 J	27200 J	31500 J	4450 J	54400 J	18300 J	13800 J
Lead	400	400	120	12.5	**2440**	231	19	69.8	**477**	< 72	62	**666**	< 22	< 22
Magnesium	NS	NS	5160	3750	< 2000	3030	3120	< 6100	< 14000	< 18000	41000	5550	< 5400	5870
Manganese	11000	NS	466 J	472 J	244 J	96.6 J	338 J	405 J	304 J	261 J	355 J	303 J	160 J	175 J
Mercury	23	14	0.27	0.087	0.18	0.27	0.094	0.16	0.085	0.13	0.05	0.52	< 0.034	< 0.036
Nickel	1600	250	27.3	17.5	28.1	33	14	< 49	< 110	< 140	< 5.4	< 35	< 44	< 43
Potassium	NS	NS	2220	1020	< 2000	< 1900	1030	< 6100	< 14000	< 18000	< 680	< 4400	< 5400	< 5400
Selenium	390	63	< 2.7	< 2.4	< 8.1	< 7.5	< 2.3	< 24	< 56	< 72	< 2.7	< 18	< 22	< 22
Selenium - method 6020	390	63	NA	NA	NA	NA	NA	NA	NA	< 18	NA	NA	NA	NA
Silver	390	110	< 1.3	< 1.2	< 4.1	< 3.7	< 1.1	< 12	< 28	< 36	< 1.4	< 8.8	< 11	< 11
Sodium	NS	NS	< 670	< 600	< 2000	< 1900	< 560	< 6100	< 14000	< 18000	< 680	< 4400	< 5400	< 5400
Thallium	5	2	< 1.3	< 1.2	< 4.1	< 3.7	< 1.1	< 12	< 28	< 36	< 1.4	< 8.8	< 11	< 11
Thallium - method 6020	5	2	NA	NA	< 1	< 0.94	NA	< 1.5	< 1.4	< 1.8	NA	< 0.88	< 1.4	< 1.4
Vanadium	78	370	98.1	42	29.9	21.1	21.6	< 61	< 140	< 180	16.4	109	< 54	< 54
Zinc	23000	1500	116	48.8	**4400**	606	57.7	88.1	80.2	110	209	440	< 22	< 22
Other														
Solids, Percent	NS	NS	77.7	83.2	25.4	28.1	88.7	84.5	86.4	77.5	75.8	53.8	93.8	92.3

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Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-02
Sample ID	2008 Residential	Residential	SC-2 (144-145)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/29/2006
Depth Interval	Remediation Standards	Remediation Standards	144 - 145
Validation Status			Final
VOCs			
1,1,1-Trichloroethane	290	210	< 0.00075
1,1,2,2-Tetrachloroethane	1	34	< 0.00072
1,1,2-Trichloroethane	2	22	< 0.00068
1,1-Dichloroethane	8	570	< 0.0006
1,1-Dichloroethene	11	8	< 0.00087
1,2,4-Trichlorobenzene	73	68	< 0.00044
1,2-Dibromo-3-Chloropropane (DBCP)	0.08	NS	< 0.0027
1,2-Dibromoethane	0.008	NS	< 0.00071
1,2-Dichlorobenzene	5300	5100	< 0.00057
1,2-Dichloroethane	0.9	6	< 0.00068
1,2-Dichloropropane	2	10	< 0.0007
1,3-Dichlorobenzene	5300	5100	< 0.00062
1,4-Dichlorobenzene	5	570	< 0.00058
2-Butanone (MEK)	3100	1000	< 0.0034
2-Hexanone	NS	NS	< 0.0017
4-methyl-2-pentanone (MIBK)	NS	1000	< 0.0025
Acetone	70000	1000	0.0105 J
Benzene	2	3	0.0017
Bromodichloromethane	1	11	< 0.00058
Bromoform	81	86	< 0.00055
Bromomethane	25	79	< 0.00047
Carbon disulfide	7800	NS	0.0012 J
Carbon tetrachloride	0.6	2	< 0.0012
Chlorobenzene	510	37	< 0.00055
Chloroethane	220	NS	< 0.0022
Chloroform	0.6	19	< 0.00073
Chloromethane	4	520	< 0.00058
cis-1,2-Dichloroethene	230	79	< 0.00085
cis-1,3-Dichloropropene	2	4	< 0.00052
Cyclohexane	NS	NS	< 0.0016
Dibromochloromethane	3	110	< 0.00069
Dichlorodifluoromethane	490	NS	< 0.001
Ethylbenzene	7800	1000	0.00083 J
Freon 113	NS	NS	< 0.0011
Isopropylbenzene	NS	NS	< 0.00059
Methyl acetate	78000	NS	< 0.0018
Methyl tert butyl ether	110	NS	< 0.00071
Methylcyclohexane	NS	NS	< 0.00081
Methylene chloride	34	49	< 0.00087
o-Xylene	NS	NS	< 0.00062
Styrene	90	23	< 0.00041
Tetrachloroethene	2	4	< 0.001
Toluene	6300	1000	0.0014
Trans-1,2-dichloroethene	300	1000	< 0.00086
trans-1,3-Dichloropropene	2	4	< 0.00049
Trichloroethene	7	23	< 0.00066
Trichlorofluoromethane	23000	NS	< 0.00092
Vinyl Chloride	0.7	2	< 0.00081
Xylene, -m,p	NS	NS	0.003
Xylenes	12000	410	0.003
Total TIC, Volatile	NS	NS	0

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-02
Sample ID	2008 Residential	Residential	SC-2 (144-145)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/29/2006
Depth Interval	Remediation Standards	Remediation Standards	144 - 145
Validation Status			Final
SVOCs			
1,1'-Biphenyl	3100	NS	< 0.018
2,4,5-Trichlorophenol	6100	5600	< 0.057
2,4,6-Trichlorophenol	19	62	< 0.032
2,4-Dichlorophenol	180	170	< 0.063
2,4-Dimethylphenol	1200	1100	< 0.097
2,4-Dinitrophenol	120	110	< 0.058
2,4-Dinitrotoluene	0.7	1	< 0.044
2,6-Dinitrotoluene	0.7	1	< 0.043
2-Chloronaphthalene	NS	NS	< 0.053
2-Chlorophenol	310	280	< 0.032
2-Methylnaphthalene	230	NS	< 0.025
2-Methylphenol	310	2800	< 0.037
2-Nitroaniline	39	NS	< 0.024
2-Nitrophenol	NS	NS	< 0.047
3&4-Methylphenol	NS	NS	< 0.054
3,3'-Dichlorobenzidine	1	2	< 0.036
3-Nitroaniline	NS	NS	< 0.029
4,6-Dinitro-2-methylphenol	6	NS	< 0.033
4-Bromophenyl phenyl ether	NS	NS	< 0.019
4-Chloro-3-Methylphenol	NS	10000	< 0.048
4-Chloroaniline	NS	230	< 0.023
4-Chlorophenyl phenyl ether	NS	NS	< 0.018
4-Nitroaniline	NS	NS	< 0.026
4-Nitrophenol	NS	NS	< 0.051
Acenaphthene	3400	3400	< 0.019
Acenaphthylene	NS	NS	< 0.015
Acetophenone	2	NS	< 0.024
Anthracene	17000	10000	< 0.015
Atrazine	210	NS	< 0.033
Benzaldehyde	6100	NS	< 0.042
Benzo(a)anthracene	0.6	0.9	< 0.018
Benzo(a)pyrene	0.2	0.66	< 0.013
Benzo(b)fluoranthene	0.6	0.9	< 0.017
Benzo(g,h,i)perylene	380000	NS	< 0.021
Benzo(k)fluoranthene	6	0.9	< 0.028
Benzyl butyl phthalate	1200	1100	< 0.029
bis(2-Chloroethoxy)methane	NS	NS	< 0.024
bis(2-Chloroethyl)ether	0.4	0.66	< 0.019
bis(2-Chloroisopropyl)ether	23	2300	< 0.028
bis(2-Ethylhexyl)phthalate	35	49	< 0.048
Caprolactam	31000	NS	< 0.036
Carbazole	24	NS	< 0.015
Chrysene	62	9	< 0.014
Dibenzo(a,h)anthracene	0.2	0.66	< 0.02
Dibenzofuran	NS	NS	< 0.018
Diethyl phthalate	49000	10000	< 0.016
Dimethyl phthalate	NS	10000	< 0.016
di-n-butyl phthalate	6100	5700	< 0.024
di-n-octylphthalate	2400	1100	< 0.032
Fluoranthene	2300	2300	< 0.013
Fluorene	2300	2300	< 0.015

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-02**
Sample ID	**2008 Residential**	**Residential**	**SC-2 (144-145)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/29/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**144 - 145**
Validation Status			**Final**
Hexachlorobenzene	0.3	0.66	< 0.022
Hexachlorobutadiene	6	1	< 0.025
Hexachlorocyclopentadiene	45	400	< 0.027
Hexachloroethane	35	6	< 0.019
Indeno(1,2,3-cd)pyrene	0.6	0.9	< 0.024
Isophrone	510	1100	< 0.019
Naphthalene	6	230	< 0.021
Nitrobenzene	31	28	< 0.026
N-Nitroso-di-n-Propylamine	0.2	0.66	< 0.024
N-Nitrosodiphenylamine	99	140	< 0.016
Pentachlorophenol	3	6	< 0.042
Phenanthrene	NS	NS	< 0.017
Phenol	18000	10000	< 0.047
Pyrene	1700	1700	< 0.013
Total TIC, Semi-Volatile	NS	NS	0
PCBs			
PCB 1016	0.2	0.49	< 0.0085
PCB 1221	0.2	0.49	< 0.0087
PCB 1232	0.2	0.49	< 0.0087
PCB 1242	0.2	0.49	< 0.0058
PCB 1248	0.2	0.49	< 0.01
PCB 1254	0.2	0.49	< 0.0093
PCB 1260	0.2	0.49	< 0.0061
Total PCBs	0.2	0.49	0
Pesticides/Herbicides			
4,4-DDD	3	3	< 0.00026
4,4-DDE	2	2	< 0.00029
4,4-DDT	2	2	< 0.00028
Aldrin	0.04	0.04	< 0.00054
alpha-BHC	0.1	NS	< 0.00014
alpha-Chlordane	NS	NS	< 0.0005
beta-BHC	0.4	NS	< 0.00067
delta-BHC	NS	NS	< 0.00011
Dieldrin	0.04	0.042	< 0.00026
Endosulfan I (alpha)	NS	NS	< 0.00014
Endosulfan II (beta)	NS	NS	< 0.00043
Endosulfan sulfate	470	NS	< 0.00024
Endrin	23	17	< 0.00017
Endrin Aldehyde	NS	NS	< 0.00025
Endrin ketone	NS	NS	< 0.00025
gamma-Chlordane	NS	NS	< 0.00019
Heptachlor	0.1	0.15	< 0.000094
Heptachlor epoxide	0.07	NS	< 0.00023
Lindane	0.4	0.52	< 0.00037
Methoxychlor	390	280	< 0.00046
Toxaphene	0.6	0.1	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-02**
Sample ID	**2008 Residential**	**Residential**	**SC-2 (144-145)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/29/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**144 - 145**
Validation Status			**Final**
Metals			
Aluminum	78000	NS	4290
Antimony	31	14	< 53
Antimony - method 6020	31	14	< 5.3
Arsenic	19	20	< 53
Arsenic - method 6020	19	20	**23.2**
Barium	16000	700	< 530
Barium - method 6020	16000	700	NA
Beryllium	16	2	< 13
Beryllium - method 6020	16	2	< 1.3
Cadmium	78	39	< 13
Calcium	NS	NS	29800
Chromium	NS	240	< 27
Cobalt	1600	NS	< 130
Copper	3100	600	< 66
Iron	NS	NS	155000 J
Lead	400	400	< 53
Magnesium	NS	NS	< 13000
Manganese	11000	NS	497 J
Mercury	23	14	< 0.035
Nickel	1600	250	< 110
Potassium	NS	NS	< 13000
Selenium	390	63	< 53
Selenium - method 6020	390	63	NA
Silver	390	110	< 27
Sodium	NS	NS	< 13000
Thallium	5	2	< 27
Thallium - method 6020	5	2	< 1.3
Vanadium	78	370	194
Zinc	23000	1500	< 53
Other			
Solids, Percent	NS	NS	88.1

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-03	SC-03	SC-03	SC-03	SC-03	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A
Sample ID	2008 Residential	Residential	SC-3 (16-18)	SC-3 (24-26)	SC-3 (44-46)	SC-3 (75-77)	SC-3 (82-84)	SC-3A (12-14)	SC-3A (21-23)	SC-3A(42-44)	SC-3A(58-60)	SC-3A(64-66)	SC-3A(98-100)	SC-3A(106-108)
Sample Date	Direct Contact Soil	Direct Contact Soil	3/29/2006	3/29/2006	3/30/2006	3/30/2006	3/30/2006	3/31/2006	3/31/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Depth Interval	Remediation Standards	Remediation Standards	16 - 18	24 - 26	44 - 46	75 - 77	82 - 84	12 - 14	21 - 23	42 - 44	58 - 60	64 - 66	98 - 100	106 - 108
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs														
1,1,1-Trichloroethane	290	210	< 0.00069	< 0.00082	< 0.0014	< 0.00073	< 0.0006	< 0.00071	< 0.002	< 0.00073	< 0.0039	< 0.0019	< 0.00065	< 0.00063
1,1,2,2-Tetrachloroethane	1	34	< 0.00067	< 0.0008	< 0.0014	< 0.0007	< 0.00058	< 0.00069	< 0.0019	< 0.00071	< 0.0038	< 0.0018	< 0.00063	< 0.00061
1,1,2-Trichloroethane	2	22	< 0.00063	< 0.00075	< 0.0013	< 0.00066	< 0.00054	< 0.00064	< 0.0018	< 0.00066	< 0.0035	< 0.0017	< 0.00059	< 0.00057
1,1-Dichloroethane	8	570	< 0.00056	< 0.00067	< 0.0012	< 0.00059	< 0.00048	< 0.00057	< 0.0016	< 0.00059	< 0.0032	< 0.0015	< 0.00053	< 0.00051
1,1-Dichloroethene	11	8	< 0.0008	< 0.00096	< 0.0017	< 0.00084	< 0.0007	< 0.00082	< 0.0023	< 0.00085	< 0.0045	< 0.0022	< 0.00076	< 0.00073
1,2,4-Trichlorobenzene	73	68	< 0.00041	< 0.00049	< 0.00084	< 0.00043	< 0.00035	< 0.00042	< 0.0012	< 0.00043	< 0.0023	< 0.0011	< 0.00039	< 0.00037
1,2-Dibromo-3-Chloropropane (DBCP)	0.08	NS	< 0.0025	< 0.003	< 0.0052	< 0.0026	< 0.0022	< 0.0026	< 0.0073	< 0.0027	< 0.014	< 0.0069	< 0.0024	< 0.0023
1,2-Dibromoethane	0.008	NS	< 0.00066	< 0.00079	< 0.0014	< 0.00069	< 0.00057	< 0.00068	< 0.0019	< 0.0007	< 0.0037	< 0.0018	< 0.00062	< 0.0006
1,2-Dichlorobenzene	5300	5100	< 0.00053	< 0.00063	< 0.0011	< 0.00056	< 0.00046	< 0.00055	< 0.0015	< 0.00056	< 0.003	< 0.0015	< 0.0005	< 0.00048
1,2-Dichloroethane	0.9	6	< 0.00064	< 0.00076	< 0.0013	< 0.00067	< 0.00055	< 0.00065	< 0.0018	< 0.00067	< 0.0036	< 0.0017	< 0.0006	< 0.00058
1,2-Dichloropropane	2	10	< 0.00065	< 0.00077	< 0.0013	< 0.00068	< 0.00056	< 0.00066	< 0.0019	< 0.00068	< 0.0036	< 0.0018	< 0.00061	< 0.00059
1,3-Dichlorobenzene	5300	5100	< 0.00057	< 0.00068	< 0.0012	< 0.0006	< 0.00049	< 0.00059	< 0.0016	< 0.0006	< 0.0032	< 0.0016	< 0.00054	< 0.00052
1,4-Dichlorobenzene	5	570	< 0.00054	< 0.00064	< 0.0011	< 0.00056	< 0.00047	< 0.00055	< 0.0016	< 0.00057	< 0.003	< 0.0015	< 0.00051	< 0.00049
2-Butanone (MEK)	3100	1000	< 0.0032	< 0.0038	< 0.0066	< 0.0033	< 0.0028	< 0.0033	< 0.0092	0.0108 J	< 0.018	< 0.0087	< 0.003	< 0.0029
2-Hexanone	NS	NS	< 0.0016	< 0.0019	< 0.0033	< 0.0017	< 0.0014	< 0.0016	< 0.0046	< 0.0017	< 0.009	< 0.0043	< 0.0015	< 0.0014
4-methyl-2-pentanone (MIBK)	NS	1000	< 0.0023	< 0.0028	< 0.0048	< 0.0024	< 0.002	< 0.0024	< 0.0067	< 0.0025	< 0.013	< 0.0064	< 0.0022	< 0.0021
Acetone	70000	1000	0.0434	0.0213	0.114	< 0.0035	< 0.0029	0.0619	0.0657	0.0591	0.11	0.0716	< 0.0032	0.0197
Benzene	2	3	< 0.00056	0.0045	0.0028	< 0.00059	< 0.00048	< 0.00057	0.0036	< 0.00059	< 0.0032	0.002 J	< 0.00053	< 0.00051
Bromodichloromethane	1	11	< 0.00053	< 0.00064	< 0.0011	< 0.00056	< 0.00046	< 0.00055	< 0.0015	< 0.00056	< 0.003	< 0.0015	< 0.0005	< 0.00049
Bromoform	81	86	< 0.00051	< 0.0006	< 0.001	< 0.00053	< 0.00044	< 0.00052	< 0.0015	< 0.00054	< 0.0029	< 0.0014	< 0.00048	< 0.00046
Bromomethane	25	79	< 0.00043	< 0.00051	< 0.00089	< 0.00045	< 0.00037	< 0.00044	< 0.0012	< 0.00046	< 0.0024	< 0.0012	< 0.00041	< 0.00039
Carbon disulfide	7800	NS	0.00088 J	< 0.00077	0.0204	0.0013 J	< 0.00056	< 0.00066	0.0078 J	0.0046 J	0.0459	0.0206	0.0025 J	0.0011 J
Carbon tetrachloride	0.6	2	< 0.0011	< 0.0013	< 0.0023	< 0.0012	< 0.00096	< 0.0011	< 0.0032	< 0.0012	< 0.0062	< 0.003	< 0.001	< 0.001
Chlorobenzene	510	37	< 0.00051	< 0.0006	< 0.001	< 0.00053	< 0.00044	< 0.00052	0.0119 J	< 0.00054	0.0067 J	< 0.0014	< 0.00048	< 0.00046
Chloroethane	220	NS	< 0.002	< 0.0024	< 0.0042	< 0.0021	< 0.0018	< 0.0021	< 0.0059	< 0.0022	< 0.011	< 0.0056	< 0.0019	< 0.0019
Chloroform	0.6	19	< 0.00068	< 0.00081	< 0.0014	< 0.00071	< 0.00059	< 0.0007	< 0.002	< 0.00072	< 0.0038	< 0.0019	< 0.00064	< 0.00062
Chloromethane	4	520	< 0.00054	< 0.00064	< 0.0011	< 0.00057	< 0.00047	< 0.00055	< 0.0016	< 0.00057	< 0.003	< 0.0015	< 0.00051	< 0.00049
cis-1,2-Dichloroethene	230	79	< 0.00079	< 0.00093	< 0.0016	< 0.00082	< 0.00068	< 0.00081	< 0.0023	< 0.00083	< 0.0044	< 0.0021	< 0.00074	< 0.00071
cis-1,3-Dichloropropene	2	4	< 0.00048	< 0.00058	< 0.001	< 0.00051	< 0.00042	< 0.0005	< 0.0014	< 0.00051	< 0.0027	< 0.0013	< 0.00046	< 0.00044
Cyclohexane	NS	NS	< 0.0015	0.0057 J	< 0.0031	< 0.0016	< 0.0013	< 0.0015	0.0352	< 0.0016	< 0.0084	0.0296	< 0.0014	< 0.0014
Dibromochloromethane	3	110	< 0.00064	< 0.00076	< 0.0013	< 0.00067	< 0.00056	< 0.00066	< 0.0019	< 0.00068	< 0.0036	< 0.0018	< 0.00061	< 0.00058
Dichlorodifluoromethane	490	NS	< 0.00093	< 0.0011	< 0.0019	< 0.00097	< 0.0008	< 0.00095	< 0.0027	< 0.00098	< 0.0052	< 0.0025	< 0.00088	< 0.00085
Ethylbenzene	7800	1000	< 0.00053	0.0064	0.0634	< 0.00055	< 0.00046	< 0.00054	0.0717	< 0.00056	0.0167	0.0015 J	< 0.0005	< 0.00048
Freon 113	NS	NS	< 0.001	< 0.0012	< 0.0021	< 0.001	< 0.00087	< 0.001	< 0.0029	< 0.0011	< 0.0056	< 0.0027	< 0.00094	< 0.00091
Isopropylbenzene	NS	NS	< 0.00054	0.0541	0.0278	< 0.00057	< 0.00047	< 0.00056	0.505	< 0.00057	0.11	0.127	0.00053 J	< 0.00049
Methyl acetate	78000	NS	< 0.0017	< 0.002	< 0.0034	< 0.0017	< 0.0014	< 0.0017	< 0.0048	< 0.0017	< 0.0093	< 0.0045	< 0.0016	< 0.0015
Methyl tert butyl ether	110	NS	< 0.00065	< 0.00078	< 0.0013	< 0.00069	< 0.00057	< 0.00067	< 0.0019	< 0.00069	< 0.0037	< 0.0018	< 0.00062	< 0.0006
Methylcyclohexane	NS	NS	< 0.00075	0.0085	0.0428	< 0.00079	< 0.00065	< 0.00077	0.184	< 0.0008	< 0.0042	0.22	< 0.00071	< 0.00069
Methylene chloride	34	49	< 0.00081	< 0.00096	< 0.0017	< 0.00085	< 0.0007	< 0.00083	< 0.0023	< 0.00085	< 0.0045	< 0.0022	< 0.00076	< 0.00074
o-Xylene	NS	NS	< 0.00058	0.0037	0.0862	< 0.0006	< 0.0005	< 0.00059	0.101	< 0.00061	0.0314	0.0054	< 0.00054	< 0.00052
Styrene	90	23	< 0.00038	< 0.00046	< 0.00079	< 0.0004	< 0.00033	< 0.00039	< 0.0011	< 0.0004	< 0.0022	< 0.001	< 0.00036	< 0.00035
Tetrachloroethene	2	4	< 0.00096	< 0.0011	< 0.002	< 0.001	< 0.00083	< 0.00099	< 0.0028	< 0.001	< 0.0054	< 0.0026	< 0.00091	< 0.00088
Toluene	6300	1000	< 0.00063	0.187	0.064	< 0.00066	< 0.00055	< 0.00065	0.0153	0.001 J	0.169	0.0046	< 0.0006	< 0.00058
Trans-1,2-dichloroethene	300	1000	< 0.0008	< 0.00095	< 0.0016	< 0.00084	< 0.00069	< 0.00082	< 0.0023	< 0.00084	< 0.0045	< 0.0022	< 0.00075	< 0.00073
trans-1,3-Dichloropropene	2	4	< 0.00046	< 0.00055	< 0.00094	< 0.00048	< 0.0004	< 0.00047	< 0.0013	< 0.00048	< 0.0026	< 0.0013	< 0.00043	< 0.00042
Trichloroethene	7	23	< 0.00061	< 0.00072	< 0.0013	< 0.00064	< 0.00053	< 0.00062	< 0.0018	< 0.00064	< 0.0034	< 0.0017	< 0.00057	< 0.00055
Trichlorofluoromethane	23000	NS	< 0.00085	< 0.001	< 0.0018	< 0.00089	< 0.00074	< 0.00087	< 0.0025	< 0.0009	< 0.0048	< 0.0023	< 0.0008	< 0.00077
Vinyl Chloride	0.7	2	< 0.00076	< 0.0009	< 0.0016	< 0.00079	< 0.00065	< 0.00078	< 0.0022	< 0.0008	< 0.0043	< 0.0021	< 0.00071	< 0.00069
Xylene, -m,p	NS	NS	< 0.001	0.0136	0.396	< 0.0011	< 0.00089	< 0.0011	1.27	0.0022 J	0.13	0.0696	0.0043	< 0.00093
Xylenes	12000	410	< 0.00058	0.0173	0.483	< 0.0006	< 0.0005	< 0.00059	1.37	0.0022 J	0.161	0.075	0.0045	< 0.00052
Total TIC, Volatile	NS	NS	0	0.953 J	0.634 J	0.0068 J	0	0	11.2 J	0.3339 J	6.03 J	1.587 J	0.1634 J	0

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-03	SC-03	SC-03	SC-03	SC-03	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A
Sample ID	**2008 Residential**	**Residential**	**SC-3 (16-18)**	**SC-3 (24-26)**	**SC-3 (44-46)**	**SC-3 (75-77)**	**SC-3 (82-84)**	**SC-3A (12-14)**	**SC-3A (21-23)**	**SC-3A(42-44)**	**SC-3A(58-60)**	**SC-3A(64-66)**	**SC-3A(98-100)**	**SC-3A(106-108)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/29/2006**	**3/29/2006**	**3/30/2006**	**3/30/2006**	**3/30/2006**	**3/31/2006**	**3/31/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**16 - 18**	**24 - 26**	**44 - 46**	**75 - 77**	**82 - 84**	**12 - 14**	**21 - 23**	**42 - 44**	**58 - 60**	**64 - 66**	**98 - 100**	**106 - 108**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs														
1,1'-Biphenyl	3100	NS	< 0.019	0.199 J	< 0.19	< 0.019	< 0.017	< 0.018	0.0692 J	< 0.019	0.161 J	0.0995 J	< 0.017	< 0.017
2,4,5-Trichlorophenol	6100	5600	< 0.059	< 0.35	< 0.6	< 0.059	< 0.053	< 0.057	< 0.17	< 0.059	< 0.32	< 0.16	< 0.054	< 0.054
2,4,6-Trichlorophenol	19	62	< 0.033	< 0.2	< 0.34	< 0.033	< 0.029	< 0.032	< 0.095	< 0.033	< 0.18	< 0.089	< 0.03	< 0.03
2,4-Dichlorophenol	180	170	< 0.066	< 0.39	< 0.67	< 0.066	< 0.059	< 0.063	< 0.19	< 0.065	< 0.36	< 0.18	< 0.06	< 0.06
2,4-Dimethylphenol	1200	1100	< 0.1	< 0.6	< 1	< 0.1	< 0.09	< 0.097	< 0.29	< 0.1	< 0.55	< 0.27	< 0.092	< 0.093
2,4-Dinitrophenol	120	110	< 0.06	< 0.36	< 0.61	< 0.06	< 0.053	< 0.058	< 0.17	< 0.06	< 0.32	< 0.16	< 0.055	< 0.055
2,4-Dinitrotoluene	0.7	1	< 0.046	< 0.27	< 0.46	< 0.046	< 0.041	< 0.044	< 0.13	< 0.045	< 0.25	< 0.12	< 0.042	< 0.042
2,6-Dinitrotoluene	0.7	1	< 0.045	< 0.27	< 0.46	< 0.045	< 0.04	< 0.043	< 0.13	< 0.045	< 0.24	< 0.12	< 0.041	< 0.041
2-Chloronaphthalene	NS	NS	< 0.055	< 0.33	< 0.56	< 0.055	< 0.049	< 0.053	< 0.16	< 0.055	< 0.3	< 0.15	< 0.05	< 0.051
2-Chlorophenol	310	280	< 0.034	< 0.2	< 0.34	< 0.034	< 0.03	< 0.032	< 0.096	< 0.034	< 0.18	< 0.091	< 0.031	< 0.031
2-Methylnaphthalene	230	NS	< 0.026	0.376 J	< 0.26	< 0.026	< 0.023	< 0.025	0.211 J	< 0.025	0.347 J	0.294	< 0.023	< 0.024
2-Methylphenol	310	2800	< 0.039	< 0.23	< 0.39	< 0.039	< 0.034	< 0.037	< 0.11	< 0.038	< 0.21	< 0.1	< 0.035	< 0.035
2-Nitroaniline	39	NS	< 0.025	< 0.15	< 0.25	< 0.025	< 0.022	< 0.024	< 0.071	< 0.025	< 0.13	< 0.067	< 0.023	< 0.023
2-Nitrophenol	NS	NS	< 0.049	< 0.29	< 0.5	< 0.049	< 0.043	< 0.047	< 0.14	< 0.049	< 0.26	< 0.13	< 0.045	< 0.045
3&4-Methylphenol	NS	NS	< 0.056	< 0.34	0.62 J	< 0.056	< 0.05	< 0.054	< 0.16	< 0.056	2.74	< 0.15	< 0.051	< 0.052
3,3'-Dichlorobenzidine	1	2	< 0.038	< 0.22	< 0.38	< 0.038	< 0.033	< 0.036	< 0.11	< 0.037	< 0.2	< 0.1	< 0.034	< 0.034
3-Nitroaniline	NS	NS	< 0.031	< 0.18	< 0.31	< 0.031	< 0.027	< 0.029	< 0.087	< 0.03	< 0.17	< 0.082	< 0.028	< 0.028
4,6-Dinitro-2-methylphenol	6	NS	< 0.034	< 0.2	< 0.35	< 0.034	< 0.031	< 0.033	< 0.098	< 0.034	< 0.19	< 0.092	< 0.031	< 0.031
4-Bromophenyl phenyl ether	NS	NS	< 0.02	< 0.12	< 0.2	< 0.02	< 0.018	< 0.019	< 0.057	< 0.02	< 0.11	< 0.054	< 0.018	< 0.018
4-Chloro-3-Methylphenol	NS	10000	< 0.05	< 0.3	< 0.51	< 0.05	< 0.045	< 0.048	< 0.14	< 0.05	< 0.27	< 0.13	< 0.046	< 0.046
4-Chloroaniline	NS	230	< 0.024	< 0.15	< 0.25	< 0.024	< 0.022	< 0.023	< 0.07	< 0.024	< 0.13	< 0.066	< 0.022	< 0.022
4-Chlorophenyl phenyl ether	NS	NS	< 0.019	< 0.11	< 0.19	< 0.019	< 0.016	< 0.018	< 0.053	< 0.018	< 0.1	< 0.05	< 0.017	< 0.017
4-Nitroaniline	NS	NS	< 0.027	< 0.16	< 0.28	< 0.027	< 0.024	< 0.026	< 0.078	< 0.027	< 0.15	< 0.073	< 0.025	< 0.025
4-Nitrophenol	NS	NS	< 0.054	< 0.32	< 0.54	< 0.054	< 0.048	< 0.052	< 0.15	< 0.053	< 0.29	< 0.14	< 0.049	< 0.049
Acenaphthene	3400	3400	< 0.02	1.31	< 0.2	< 0.02	< 0.018	< 0.019	0.218 J	< 0.02	< 0.11	0.0763 J	< 0.018	< 0.018
Acenaphthylene	NS	NS	< 0.016	0.1 J	< 0.16	< 0.016	< 0.014	< 0.015	< 0.046	< 0.016	< 0.086	< 0.043	< 0.015	< 0.015
Acetophenone	2	NS	< 0.025	< 0.15	< 0.25	< 0.025	< 0.022	< 0.024	< 0.071	< 0.025	< 0.13	< 0.067	< 0.023	< 0.023
Anthracene	17000	10000	< 0.015	1.65	< 0.15	< 0.015	< 0.014	< 0.015	0.241	< 0.015	0.127 J	0.0593 J	< 0.014	< 0.014
Atrazine	210	NS	< 0.034	< 0.2	< 0.35	< 0.034	< 0.03	< 0.033	< 0.097	< 0.034	< 0.18	< 0.092	< 0.031	< 0.031
Benzaldehyde	6100	NS	< 0.043	< 0.26	< 0.44	< 0.043	< 0.039	< 0.042	< 0.12	< 0.043	< 0.23	< 0.12	< 0.04	< 0.04
Benzo(a)anthracene	0.6	0.9	< 0.019	**1.95**	< 0.19	< 0.019	< 0.017	0.0533 J	0.337	< 0.019	0.33 J	0.121 J	< 0.017	< 0.017
Benzo(a)pyrene	0.2	0.66	< 0.014	**1.64**	< 0.14	< 0.014	< 0.012	0.0355 J	0.254	0.0157 J	0.183 J	0.0863 J	< 0.012	< 0.013
Benzo(b)fluoranthene	0.6	0.9	< 0.018	**1.44**	< 0.18	< 0.018	< 0.016	0.0398 J	0.223 J	< 0.018	0.25 J	0.0913 J	< 0.016	< 0.017
Benzo(g,h,i)perylene	380000	NS	< 0.022	1.07	< 0.22	< 0.022	< 0.019	0.0263 J	0.188 J	< 0.021	0.14 J	0.0875 J	< 0.02	< 0.02
Benzo(k)fluoranthene	6	0.9	< 0.03	**1.17**	< 0.3	< 0.03	< 0.026	0.0402 J	0.198 J	< 0.029	0.243 J	< 0.08	< 0.027	< 0.027
Benzyl butyl phthalate	1200	1100	< 0.03	< 0.18	< 0.3	< 0.03	< 0.027	< 0.029	< 0.085	< 0.03	< 0.16	< 0.08	< 0.027	< 0.027
bis(2-Chloroethoxy)methane	NS	NS	< 0.025	< 0.15	< 0.26	< 0.025	< 0.023	< 0.024	< 0.073	< 0.025	< 0.14	< 0.068	< 0.023	< 0.023
bis(2-Chloroethyl)ether	0.4	0.66	< 0.02	< 0.12	< 0.2	< 0.02	< 0.017	< 0.019	< 0.056	< 0.019	< 0.11	< 0.053	< 0.018	< 0.018
bis(2-Chloroisopropyl)ether	23	2300	< 0.03	< 0.18	< 0.3	< 0.03	< 0.026	< 0.028	< 0.084	< 0.029	< 0.16	< 0.08	< 0.027	< 0.027
bis(2-Ethylhexyl)phthalate	35	49	13	37.9	29.2	0.609	< 0.045	0.54	16.3	0.856	**1460**	**167**	1.35	0.101
Caprolactam	31000	NS	< 0.038	< 0.23	< 0.39	< 0.038	< 0.034	< 0.036	< 0.11	< 0.038	< 0.21	< 0.1	< 0.035	< 0.035
Carbazole	24	NS	< 0.016	1.12	< 0.16	< 0.016	< 0.014	< 0.015	0.173 J	< 0.016	< 0.086	< 0.043	< 0.015	< 0.015
Chrysene	62	9	< 0.015	1.9	< 0.15	0.0153 J	< 0.013	0.0589 J	0.365	0.0159 J	0.425 J	0.272	< 0.013	< 0.013
Dibenzo(a,h)anthracene	0.2	0.66	< 0.021	0.439 J	< 0.21	< 0.021	< 0.018	< 0.02	< 0.059	< 0.021	< 0.11	< 0.056	< 0.019	< 0.019
Dibenzofuran	NS	NS	< 0.018	0.63	< 0.19	< 0.018	< 0.016	< 0.018	0.133 J	< 0.018	< 0.099	0.0683 J	< 0.017	< 0.017
Diethyl phthalate	49000	10000	< 0.017	< 0.1	< 0.17	< 0.017	< 0.015	< 0.016	< 0.048	< 0.599	3.61 BJ	1.93 BJ	< 0.594	< 0.546
Dimethyl phthalate	NS	10000	< 0.017	< 0.1	< 0.17	< 0.017	< 0.015	< 0.016	< 0.048	< 0.017	< 0.091	< 0.046	< 0.015	< 0.016
di-n-butyl phthalate	6100	5700	< 0.025	< 0.15	0.432 J	< 0.025	< 0.022	< 0.024	0.125 J	0.0525 J	1.18	< 0.068	< 0.023	< 0.023
di-n-octylphthalate	2400	1100	< 0.034	< 0.2	< 0.34	< 0.034	< 0.03	< 0.032	4.62	< 0.033	< 0.18	< 0.091	< 0.031	< 0.031
Fluoranthene	2300	2300	0.0205 J	5.29	< 0.14	0.0264 J	< 0.012	0.102	0.881	0.0212 J	0.684	0.27	0.0199 J	< 0.013
Fluorene	2300	2300	< 0.016	1.25	< 0.16	< 0.016	< 0.014	< 0.015	0.252	< 0.016	0.264 J	0.139 J	< 0.014	< 0.015

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-03**	**SC-03**	**SC-03**	**SC-03**	**SC-03**	**SC-03A**	**SC-03A**	**SC-03A**	**SC-03A**	**SC-03A**	**SC-03A**	**SC-03A**
Sample ID	**2008 Residential**	**Residential**	**SC-3 (16-18)**	**SC-3 (24-26)**	**SC-3 (44-46)**	**SC-3 (75-77)**	**SC-3 (82-84)**	**SC-3A (12-14)**	**SC-3A (21-23)**	**SC-3A(42-44)**	**SC-3A(58-60)**	**SC-3A(64-66)**	**SC-3A(98-100)**	**SC-3A(106-108)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/29/2006**	**3/29/2006**	**3/30/2006**	**3/30/2006**	**3/30/2006**	**3/31/2006**	**3/31/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**16 - 18**	**24 - 26**	**44 - 46**	**75 - 77**	**82 - 84**	**12 - 14**	**21 - 23**	**42 - 44**	**58 - 60**	**64 - 66**	**98 - 100**	**106 - 108**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Hexachlorobenzene	0.3	0.66	< 0.023	< 0.13	< 0.23	< 0.023	< 0.02	< 0.022	< 0.065	< 0.023	< 0.12	< 0.061	< 0.021	< 0.021
Hexachlorobutadiene	6	1	< 0.026	< 0.15	< 0.26	< 0.026	< 0.023	< 0.025	< 0.074	< 0.026	< 0.14	< 0.07	< 0.024	< 0.024
Hexachlorocyclopentadiene	45	400	< 0.028	< 0.17	< 0.29	< 0.028	< 0.025	< 0.027	< 0.081	< 0.028	< 0.15	< 0.076	< 0.026	< 0.026
Hexachloroethane	35	6	< 0.02	< 0.12	< 0.2	< 0.02	< 0.018	< 0.019	< 0.056	< 0.02	< 0.11	< 0.053	< 0.018	< 0.018
Indeno(1,2,3-cd)pyrene	0.6	0.9	< 0.025	0.887	< 0.25	< 0.025	< 0.022	< 0.024	0.132 J	< 0.025	< 0.13	< 0.067	< 0.023	< 0.023
Isophrone	510	1100	< 0.02	< 0.12	< 0.2	< 0.02	< 0.017	< 0.019	< 0.056	< 0.019	< 0.11	< 0.053	< 0.018	< 0.018
Naphthalene	6	230	0.0267 J	0.826	0.398 J	< 0.022	< 0.02	< 0.021	3.2	< 0.022	1.18	0.601	< 0.02	< 0.02
Nitrobenzene	31	28	< 0.027	< 0.16	< 0.28	< 0.027	< 0.024	< 0.026	< 0.079	< 0.027	< 0.15	< 0.074	< 0.025	< 0.025
N-Nitroso-di-n-Propylamine	0.2	0.66	< 0.025	< 0.15	< 0.26	< 0.025	< 0.023	< 0.024	< 0.072	< 0.025	< 0.14	< 0.068	< 0.023	< 0.023
N-Nitrosodiphenylamine	99	140	< 0.016	< 0.097	0.283 J	< 0.016	< 0.014	< 0.016	0.349 J	< 0.016	0.869 J	0.464 J	< 0.015	< 0.015
Pentachlorophenol	3	6	< 0.044	< 0.26	< 0.45	< 0.044	< 0.039	< 0.042	< 0.13	< 0.044	< 0.24	< 0.12	< 0.04	< 0.041
Phenanthrene	NS	NS	< 0.017	6.55	0.18 J	< 0.017	< 0.015	0.0238 J	1.14	0.0183 J	1.36	0.549	< 0.016	< 0.016
Phenol	18000	10000	< 0.049	< 0.29	< 0.5	< 0.049	< 0.043	< 0.047	< 0.14	< 0.049	< 0.26	< 0.13	< 0.045	< 0.045
Pyrene	1700	1700	0.0201 J	4.52	0.209 J	0.0337 J	< 0.012	0.102	0.76	0.0212 J	0.865	0.297	0.0189 J	< 0.012
Total TIC, Semi-Volatile	NS	NS	71.37 J	86.23 J	319.7 J	9.57 J	0.77 J	0.23 J	95.6 J	9.09 J	310.4 J	89.4 J	5.9 J	0.28 J
PCBs														
PCB 1016	0.2	0.49	< 0.009	< 0.011	< 0.018	< 0.0091	< 0.0081	< 0.0086	< 0.026	< 0.009	< 0.049	< 0.024	< 0.0082	< 0.0082
PCB 1221	0.2	0.49	< 0.0093	< 0.011	< 0.019	< 0.0094	< 0.0083	< 0.0089	< 0.027	< 0.0092	< 0.05	< 0.025	< 0.0084	< 0.0084
PCB 1232	0.2	0.49	< 0.0093	< 0.011	< 0.019	< 0.0094	< 0.0083	< 0.0089	< 0.027	< 0.0092	< 0.05	< 0.025	< 0.0084	< 0.0084
PCB 1242	0.2	0.49	< 0.0061	< 0.0073	< 0.012	< 0.0062	< 0.0055	< 0.0059	< 0.018	0.304	< 0.033	< 0.017	< 0.0056	< 0.0056
PCB 1248	0.2	0.49	< 0.011	< 0.013	< 0.022	< 0.011	< 0.0097	< 0.01	< 0.031	< 0.011	**1.71**	< 0.029	< 0.0097	< 0.0098
PCB 1254	0.2	0.49	< 0.0098	**0.648**	**1.12**	< 0.0099	< 0.0088	< 0.0094	**0.844**	< 0.0097	**1.72**	< 0.026	< 0.0089	< 0.0089
PCB 1260	0.2	0.49	< 0.0065	< 0.0077	0.224	< 0.0066	< 0.0058	< 0.0062	**0.64**	< 0.0064	0.278	< 0.017	< 0.0059	< 0.0059
Total PCBs	0.2	0.49	0	**0.648**	**1.344**	0	0	0	**1.484**	0.304	**3.708**	0	0	0
Pesticides/Herbicides														
4,4-DDD	3	3	< 0.00028	< 0.00033	< 0.00056	< 0.00028	< 0.00025	< 0.00027	< 0.0008	0.0032	< 0.0015	< 0.00075	0.0027	< 0.00025
4,4-DDE	2	2	< 0.00031	< 0.00036	< 0.00062	< 0.00031	< 0.00028	< 0.00029	< 0.00089	< 0.0003	< 0.0017	< 0.00083	< 0.00028	< 0.00028
4,4-DDT	2	2	< 0.0003	< 0.00035	< 0.0006	< 0.0003	< 0.00027	< 0.00028	< 0.00086	0.0035	< 0.0016	< 0.0008	< 0.00027	0.01
Aldrin	0.04	0.04	< 0.00057	< 0.00068	< 0.0012	< 0.00058	< 0.00051	< 0.00055	< 0.0017	< 0.00057	< 0.0031	< 0.0015	< 0.00052	< 0.00052
alpha-BHC	0.1	NS	< 0.00014	< 0.00017	< 0.00029	< 0.00015	< 0.00013	< 0.00014	< 0.00042	< 0.00014	< 0.00077	< 0.00039	< 0.00013	< 0.00013
alpha-Chlordane	NS	NS	< 0.00053	< 0.00062	< 0.0011	< 0.00053	< 0.00047	< 0.0005	< 0.0015	< 0.00052	< 0.0028	< 0.0014	< 0.00048	< 0.00048
beta-BHC	0.4	NS	< 0.00071	< 0.00084	< 0.0014	< 0.00072	< 0.00064	< 0.00068	< 0.0021	< 0.00071	< 0.0038	< 0.0019	< 0.00064	< 0.00065
delta-BHC	NS	NS	< 0.00011	< 0.00014	< 0.00023	< 0.00012	< 0.0001	< 0.00011	< 0.00033	< 0.00011	< 0.00062	< 0.00031	< 0.0001	< 0.0001
Dieldrin	0.04	0.042	< 0.00027	< 0.00032	< 0.00055	< 0.00028	< 0.00024	< 0.00026	< 0.00079	< 0.00027	< 0.0015	< 0.00073	< 0.00025	< 0.00025
Endosulfan I (alpha)	NS	NS	< 0.00015	< 0.00018	< 0.00031	< 0.00015	< 0.00014	< 0.00014	< 0.00044	< 0.00015	< 0.00081	< 0.0004	< 0.00014	< 0.00014
Endosulfan II (beta)	NS	NS	< 0.00045	< 0.00054	< 0.00092	< 0.00046	< 0.00041	< 0.00044	< 0.0013	< 0.00045	< 0.0025	< 0.0012	< 0.00041	< 0.00041
Endosulfan sulfate	470	NS	< 0.00026	< 0.0003	< 0.00052	< 0.00026	< 0.00023	< 0.00025	< 0.00075	< 0.00026	< 0.0014	< 0.00069	< 0.00023	< 0.00023
Endrin	23	17	< 0.00018	< 0.00022	< 0.00037	< 0.00019	< 0.00016	< 0.00018	< 0.00053	< 0.00018	< 0.00099	< 0.00049	< 0.00017	< 0.00017
Endrin Aldehyde	NS	NS	< 0.00027	< 0.00032	< 0.00055	< 0.00027	< 0.00024	< 0.00026	< 0.00078	< 0.00027	< 0.0015	< 0.00072	< 0.00024	< 0.00024
Endrin ketone	NS	NS	< 0.00027	< 0.00032	< 0.00055	< 0.00027	< 0.00024	< 0.00026	< 0.00078	< 0.00027	< 0.0015	< 0.00073	< 0.00024	< 0.00025
gamma-Chlordane	NS	NS	< 0.0002	< 0.00024	< 0.00041	< 0.0002	< 0.00018	< 0.00019	< 0.00058	< 0.0002	< 0.0011	< 0.00054	< 0.00018	< 0.00018
Heptachlor	0.1	0.15	< 0.0001	< 0.00012	< 0.0002	< 0.0001	< 0.00009	< 0.000096	< 0.00029	< 0.000099	< 0.00054	< 0.00027	< 0.00009	< 0.000091
Heptachlor epoxide	0.07	NS	< 0.00024	< 0.00029	< 0.00049	< 0.00024	< 0.00022	< 0.00023	< 0.0007	< 0.00024	< 0.0013	< 0.00065	< 0.00022	< 0.00022
Lindane	0.4	0.52	< 0.00039	< 0.00047	< 0.0008	< 0.0004	< 0.00035	< 0.00038	< 0.0011	< 0.00039	< 0.0021	< 0.0011	< 0.00036	< 0.00036
Methoxychlor	390	280	< 0.00049	< 0.00057	< 0.00099	< 0.00049	< 0.00044	< 0.00047	< 0.0014	< 0.00048	< 0.0026	< 0.0013	< 0.00044	< 0.00044
Toxaphene	0.6	0.1	< 0.015	< 0.018	< 0.031	< 0.015	< 0.014	< 0.014	< 0.044	< 0.015	< 0.082	< 0.041	< 0.014	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-03	SC-03	SC-03	SC-03	SC-03	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A
Sample ID	**2008 Residential**	**Residential**	**SC-3 (16-18)**	**SC-3 (24-26)**	**SC-3 (44-46)**	**SC-3 (75-77)**	**SC-3 (82-84)**	**SC-3A (12-14)**	**SC-3A (21-23)**	**SC-3A(42-44)**	**SC-3A(58-60)**	**SC-3A(64-66)**	**SC-3A(98-100)**	**SC-3A(106-108)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**3/29/2006**	**3/29/2006**	**3/30/2006**	**3/30/2006**	**3/30/2006**	**3/31/2006**	**3/31/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**	**4/3/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**16 - 18**	**24 - 26**	**44 - 46**	**75 - 77**	**82 - 84**	**12 - 14**	**21 - 23**	**42 - 44**	**58 - 60**	**64 - 66**	**98 - 100**	**106 - 108**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals														
Aluminum	78000	NS	15300 J	7920 J	5590 J	12400 J	6250 J	18700 J	9290 J	7520 J	2590 J	1510 J	5440 J	4850 J
Antimony	31	14	< 2.4 J	< 71 J	< 48 J	< 12 J	< 11 J	< 12 J	< 69 J	< 12 J	**95.9 J**	**136 J**	< 22 J	< 22 J
Antimony - method 6020	31	14	NA	< 7.1 J	7.9 J	NA	NA	NA	**21.2 J**	NA	NA	NA	NA	< 5.4 J
Arsenic	19	20	6.1 J	**82.9 J**	**53.3 J**	< 12 J	< 11 J	12.3 J	**78.7 J**	< 12 J	**22.3 J**	**22.6 J**	**28.8 J**	**25.1 J**
Arsenic - method 6020	19	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	16000	700	123 J	< 710 J	< 480 J	377 J	< 110 J	< 120 J	**1220 J**	< 120 J	181 J	388 J	< 220 J	< 220 J
Barium - method 6020	16000	700	NA	104 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	16	2	0.79 J	< 18 J	< 12 J	< 3 J	< 2.7 J	< 2.9 J	< 17 J	< 2.9	< 3.4	< 1.6	< 5.4	< 5.4
Beryllium - method 6020	16	2	NA	NA	< 1.2	< 1.5	< 1.3	< 1.4	< 1.7	< 1.5	< 1.7	NA	< 1.4	< 1.4
Cadmium	78	39	< 0.6 J	< 18 J	< 12 J	< 3 J	< 2.7 J	< 2.9 J	**41.9 J**	< 2.9	13.5	**50.2**	< 5.4	< 5.4
Calcium	NS	NS	6470 J	65900 J	46700 J	9150 J	12800 J	12400 J	62100 J	11700 J	6350 J	5990 J	32400 J	29000 J
Chromium	NS	240	32.2 J	< 35 J	< 24 J	67.6 J	21.2 J	45.4 J	66.3 J	22.1	**291**	18.2	< 11	< 11
Cobalt	1600	NS	13.2 J	< 180 J	< 120 J	< 30 J	< 27 J	< 29 J	< 170 J	< 29	< 34	< 16	< 54	< 54
Copper	3100	600	20.3 J	< 89 J	96.2 J	31.6 J	< 13 J	22.1 J	283 J	< 14	117	43.1	< 27	< 27
Iron	NS	NS	44200 J	21700 J	15100 J	29500 J	14500 J	42100 J	25500 J	18600 J	8520 J	10300 J	17500 J	12700 J
Lead	400	400	10.1 J	101 J	107 J	68.6 J	< 11 J	< 12 J	**463 J**	50.9	**2960**	**2520**	< 22	< 22
Magnesium	NS	NS	5700 J	< 18000 J	< 12000 J	9910 J	6950 J	8160 J	< 17000 J	7960 J	< 3400 J	1670 J	7420 J	6580 J
Manganese	11000	NS	355 J	411 J	279 J	310 J	254 J	344 J	391 J	310 J	120 J	71.4 J	249 J	200 J
Mercury	23	14	0.13	0.12	0.12	0.12	< 0.035	< 0.038	0.18	0.12	0.27	0.45	< 0.033	< 0.036
Nickel	1600	250	26.9 J	< 140 J	< 97 J	40 J	< 21 J	40.9 J	< 140 J	< 23	29.1	< 13	< 43	< 43
Potassium	NS	NS	1430 J	< 18000 J	< 12000 J	< 3000 J	< 2700 J	< 2900 J	< 17000 J	< 2900	< 3400	< 1600	< 5400	< 5400
Selenium	390	63	< 2.4 J	< 71 J	< 48 J	< 12 J	< 11 J	< 12 J	< 69 J	< 12	< 13	< 6.3	< 22	< 22
Selenium - method 6020	390	63	NA	< 18	NA	NA	NA	NA	< 17	NA	NA	NA	NA	NA
Silver	390	110	< 1.2 J	< 35 J	< 24 J	< 6 J	< 5.4 J	< 5.8 J	< 34 J	< 5.8	< 6.7	< 3.2	< 11	< 11
Sodium	NS	NS	< 600 J	< 18000 J	< 12000 J	< 3000 J	< 2700 J	< 2900 J	< 17000 J	< 2900	< 3400	< 1600	< 5400	< 5400
Thallium	5	2	< 1.2 J	< 35 J	< 24 J	< 6 J	< 5.4 J	< 5.8 J	< 34 J	< 5.8	< 6.7	< 3.2	< 11	< 11
Thallium - method 6020	5	2	NA	< 1.8	< 1.2	< 1.5	< 1.3	< 1.4	< 1.7	< 1.4	< 1.7	< 0.79	< 1.4	< 1.4
Vanadium	78	370	86 J	< 180 J	< 120 J	50.2 J	31.7 J	89.3 J	< 170 J	38.8 J	< 34 J	19.3 J	< 54 J	< 54 J
Zinc	23000	1500	46.5 J	507 J	837 J	816 J	21.7 J	55.5 J	**2010 J**	351 J	**4100 J**	838 J	212 J	39.7 J
Other														
Solids, Percent	NS	NS	83.7	70.4	41.5	83.2	93.2	86.8	29	84.3	15.5	31.3	92.5	92.1

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-03A
Sample ID	2008 Residential	Residential	SC-3A(110-112)
Sample Date	Direct Contact Soil	Direct Contact Soil	4/3/2006
Depth Interval	Remediation Standards	Remediation Standards	110 - 112
Validation Status			Final
VOCs			
1,1,1-Trichloroethane	290	210	< 0.00063
1,1,2,2-Tetrachloroethane	1	34	< 0.00061
1,1,2-Trichloroethane	2	22	< 0.00058
1,1-Dichloroethane	8	570	< 0.00051
1,1-Dichloroethene	11	8	< 0.00073
1,2,4-Trichlorobenzene	73	68	< 0.00037
1,2-Dibromo-3-Chloropropane (DBCP)	0.08	NS	< 0.0023
1,2-Dibromoethane	0.008	NS	< 0.0006
1,2-Dichlorobenzene	5300	5100	< 0.00049
1,2-Dichloroethane	0.9	6	< 0.00058
1,2-Dichloropropane	2	10	< 0.00059
1,3-Dichlorobenzene	5300	5100	< 0.00052
1,4-Dichlorobenzene	5	570	< 0.00049
2-Butanone (MEK)	3100	1000	< 0.0029
2-Hexanone	NS	NS	< 0.0015
4-methyl-2-pentanone (MIBK)	NS	1000	< 0.0021
Acetone	70000	1000	0.0211
Benzene	2	3	< 0.00051
Bromodichloromethane	1	11	< 0.00049
Bromoform	81	86	< 0.00046
Bromomethane	25	79	< 0.00039
Carbon disulfide	7800	NS	0.0019 J
Carbon tetrachloride	0.6	2	< 0.001
Chlorobenzene	510	37	< 0.00046
Chloroethane	220	NS	< 0.0019
Chloroform	0.6	19	< 0.00062
Chloromethane	4	520	< 0.00049
cis-1,2-Dichloroethene	230	79	< 0.00072
cis-1,3-Dichloropropene	2	4	< 0.00044
Cyclohexane	NS	NS	< 0.0014
Dibromochloromethane	3	110	< 0.00059
Dichlorodifluoromethane	490	NS	< 0.00085
Ethylbenzene	7800	1000	0.00081 J
Freon 113	NS	NS	< 0.00091
Isopropylbenzene	NS	NS	< 0.0005
Methyl acetate	78000	NS	< 0.0015
Methyl tert butyl ether	110	NS	< 0.0006
Methylcyclohexane	NS	NS	< 0.00069
Methylene chloride	34	49	< 0.00074
o-Xylene	NS	NS	0.00062 J
Styrene	90	23	< 0.00035
Tetrachloroethene	2	4	< 0.00088
Toluene	6300	1000	0.0024
Trans-1,2-dichloroethene	300	1000	< 0.00073
trans-1,3-Dichloropropene	2	4	< 0.00042
Trichloroethene	7	23	< 0.00056
Trichlorofluoromethane	23000	NS	< 0.00078
Vinyl Chloride	0.7	2	< 0.00069
Xylene, -m,p	NS	NS	0.003
Xylenes	12000	410	0.0036
Total TIC, Volatile	NS	NS	0

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			SC-03A
Sample ID	2008 Residential	Residential	SC-3A(110-112)
Sample Date	Direct Contact Soil	Direct Contact Soil	4/3/2006
Depth Interval	Remediation Standards	Remediation Standards	110 - 112
Validation Status			Final
SVOCs			
1,1'-Biphenyl	3100	NS	< 0.018
2,4,5-Trichlorophenol	6100	5600	< 0.056
2,4,6-Trichlorophenol	19	62	< 0.031
2,4-Dichlorophenol	180	170	< 0.062
2,4-Dimethylphenol	1200	1100	< 0.095
2,4-Dinitrophenol	120	110	< 0.056
2,4-Dinitrotoluene	0.7	1	< 0.043
2,6-Dinitrotoluene	0.7	1	< 0.042
2-Chloronaphthalene	NS	NS	< 0.052
2-Chlorophenol	310	280	< 0.032
2-Methylnaphthalene	230	NS	< 0.024
2-Methylphenol	310	2800	< 0.036
2-Nitroaniline	39	NS	< 0.023
2-Nitrophenol	NS	NS	< 0.046
3&4-Methylphenol	NS	NS	< 0.053
3,3'-Dichlorobenzidine	1	2	< 0.035
3-Nitroaniline	NS	NS	< 0.029
4,6-Dinitro-2-methylphenol	6	NS	< 0.032
4-Bromophenyl phenyl ether	NS	NS	< 0.019
4-Chloro-3-Methylphenol	NS	10000	< 0.047
4-Chloroaniline	NS	230	< 0.023
4-Chlorophenyl phenyl ether	NS	NS	< 0.017
4-Nitroaniline	NS	NS	< 0.026
4-Nitrophenol	NS	NS	< 0.05
Acenaphthene	3400	3400	< 0.019
Acenaphthylene	NS	NS	< 0.015
Acetophenone	2	NS	< 0.023
Anthracene	17000	10000	< 0.014
Atrazine	210	NS	< 0.032
Benzaldehyde	6100	NS	< 0.041
Benzo(a)anthracene	0.6	0.9	< 0.018
Benzo(a)pyrene	0.2	0.66	< 0.013
Benzo(b)fluoranthene	0.6	0.9	< 0.017
Benzo(g,h,i)perylene	380000	NS	< 0.02
Benzo(k)fluoranthene	6	0.9	< 0.028
Benzyl butyl phthalate	1200	1100	< 0.028
bis(2-Chloroethoxy)methane	NS	NS	< 0.024
bis(2-Chloroethyl)ether	0.4	0.66	< 0.018
bis(2-Chloroisopropyl)ether	23	2300	< 0.028
bis(2-Ethylhexyl)phthalate	35	49	< 0.047
Caprolactam	31000	NS	< 0.036
Carbazole	24	NS	< 0.015
Chrysene	62	9	< 0.014
Dibenzo(a,h)anthracene	0.2	0.66	< 0.019
Dibenzofuran	NS	NS	< 0.017
Diethyl phthalate	49000	10000	< 0.563
Dimethyl phthalate	NS	10000	< 0.016
di-n-butyl phthalate	6100	5700	< 0.024
di-n-octylphthalate	2400	1100	< 0.032
Fluoranthene	2300	2300	< 0.013
Fluorene	2300	2300	< 0.015

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-03A**
Sample ID	**2008 Residential**	**Residential**	**SC-3A(110-112)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**4/3/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**110 - 112**
Validation Status			**Final**
Hexachlorobenzene	0.3	0.66	< 0.021
Hexachlorobutadiene	6	1	< 0.024
Hexachlorocyclopentadiene	45	400	< 0.027
Hexachloroethane	35	6	< 0.019
Indeno(1,2,3-cd)pyrene	0.6	0.9	< 0.023
Isophrone	510	1100	< 0.018
Naphthalene	6	230	< 0.021
Nitrobenzene	31	28	< 0.026
N-Nitroso-di-n-Propylamine	0.2	0.66	< 0.024
N-Nitrosodiphenylamine	99	140	< 0.015
Pentachlorophenol	3	6	< 0.041
Phenanthrene	NS	NS	< 0.016
Phenol	18000	10000	< 0.046
Pyrene	1700	1700	< 0.013
Total TIC, Semi-Volatile	NS	NS	0
PCBs			
PCB 1016	0.2	0.49	< 0.0084
PCB 1221	0.2	0.49	< 0.0087
PCB 1232	0.2	0.49	< 0.0087
PCB 1242	0.2	0.49	< 0.0057
PCB 1248	0.2	0.49	< 0.01
PCB 1254	0.2	0.49	< 0.0092
PCB 1260	0.2	0.49	< 0.0061
Total PCBs	0.2	0.49	0
Pesticides/Herbicides			
4,4-DDD	3	3	< 0.00026
4,4-DDE	2	2	< 0.00029
4,4-DDT	2	2	< 0.00028
Aldrin	0.04	0.04	< 0.00054
alpha-BHC	0.1	NS	< 0.00013
alpha-Chlordane	NS	NS	< 0.00049
beta-BHC	0.4	NS	< 0.00067
delta-BHC	NS	NS	< 0.00011
Dieldrin	0.04	0.042	< 0.00025
Endosulfan I (alpha)	NS	NS	< 0.00014
Endosulfan II (beta)	NS	NS	< 0.00043
Endosulfan sulfate	470	NS	< 0.00024
Endrin	23	17	< 0.00017
Endrin Aldehyde	NS	NS	< 0.00025
Endrin ketone	NS	NS	< 0.00025
gamma-Chlordane	NS	NS	< 0.00019
Heptachlor	0.1	0.15	< 0.000093
Heptachlor epoxide	0.07	NS	< 0.00023
Lindane	0.4	0.52	< 0.00037
Methoxychlor	390	280	< 0.00045
Toxaphene	0.6	0.1	< 0.014

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID			**SC-03A**
Sample ID	**2008 Residential**	**Residential**	**SC-3A(110-112)**
Sample Date	**Direct Contact Soil**	**Direct Contact Soil**	**4/3/2006**
Depth Interval	**Remediation Standards**	**Remediation Standards**	**110 - 112**
Validation Status			**Final**
Metals			
Aluminum	78000	NS	10700 J
Antimony	31	14	< 11 J
Antimony - method 6020	31	14	NA
Arsenic	19	20	13.2 J
Arsenic - method 6020	19	20	NA
Barium	16000	700	< 110 J
Barium - method 6020	16000	700	NA
Beryllium	16	2	< 2.8
Beryllium - method 6020	16	2	< 1.4
Cadmium	78	39	< 2.8
Calcium	NS	NS	36600 J
Chromium	NS	240	21.5
Cobalt	1600	NS	< 28
Copper	3100	600	< 14
Iron	NS	NS	24300 J
Lead	400	400	< 11
Magnesium	NS	NS	14200 J
Manganese	11000	NS	361 J
Mercury	23	14	< 0.035
Nickel	1600	250	< 22
Potassium	NS	NS	< 2800
Selenium	390	63	< 11
Selenium - method 6020	390	63	NA
Silver	390	110	< 5.6
Sodium	NS	NS	< 2800
Thallium	5	2	< 5.6
Thallium - method 6020	5	2	< 1.4
Vanadium	78	370	52.4 J
Zinc	23000	1500	86.5 J
Other			
Solids, Percent	NS	NS	90

Table 2: Comparison of Soil Analytical Results to the Residential Direct Contact Soil Cleanup Criteria and the 2008 Residential Direct Contact Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood, New Jersey

All results are in milligrams per kilogram (mg/kg		Residential Direct Contact Soil Remediation Standards	Residential Direct Contact Soil Remediation Standards
Field blank and trip blank results are presented			
<	Not detected.		
NA	Not analyzed.		
NS	No standard.		
B	Organic: Detected in an associated method blank.		
J	Estimated result.		
SVOC	Semi-volatile organic compound.		
VOC	Volatile organic compound.		
Bold	Value is above the Residential Direct Contact Soil Cleanup Criteria threshold value.		
Shade	Value is above the **NEW** Residential Direct Contact Soil Cleanup Criteria threshold value.		

Table 3: Comparison of Soil Analytical Results to the Impact to Groundwater Soil Cleanup Criteria and the 2008 Impact to Groundwater Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood New Jersey

Location ID	2008 Impact to	Impact to	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-01	SC-02
Sample ID	GW Default	Groundwater	SC-1(30-40)	SC-1(40-50)	SC-1(54-56)	SC-1(63-65)	SC-1(70-80)	SC-1(88-90)	SC-1(93-95)	SC-1(104-106)	SC-1(110-120)	SC-1(128-130)	SC-1(138-140)	SC-1(144-146)	SC-2 (18-20)
Sample Date	Soil Screening	Soil Cleanup	3/21/2006	3/21/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/27/2006
Depth Interval	Levels	Criteria	30 - 40	40 - 50	54 - 56	63 - 65	70 - 80	88 - 90	93 - 95	104 - 106	110 - 120	128 - 130	138 - 140	144 - 146	18 - 20
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs															
Benzene	0.005	1	< 0.00061	< 0.00078	< 0.00058	< 0.00071	< 0.052	0.0541	**1.11**	0.192 J	< 0.00056	< 0.00051	< 0.00052	< 0.00054	< 0.00066
Ethylbenzene	8	100	< 0.00058	0.0018	0.0039	0.00074 J	0.125	1.75	5.61	13.5	0.0011 J	< 0.00047	< 0.00049	< 0.00051	0.0023
Methylene chloride	0.007	1	< 0.00089	< 0.0011	< 0.00083	< 0.001	< 0.074	< 0.026	< 0.12	< 0.23	< 0.00081	< 0.00073	< 0.00075	< 0.00078	< 0.00095
Toluene	4	500	< 0.0007	0.0062	0.0026	0.0012 J	< 0.058	0.661	50.6	< 0.18	< 0.00064	< 0.00057	< 0.00059	< 0.00061	0.0025
Trichloroethene	0.007	1	< 0.00067	< 0.00085	< 0.00063	< 0.00077	< 0.056	< 0.019	< 0.088	< 0.17	< 0.00061	< 0.00055	< 0.00057	< 0.00059	< 0.00071
Xylenes	12	67	0.0346	0.0249	0.0231	0.0199	0.482	13.5	23.1	**81.5**	0.196	< 0.00052	0.0012 J	< 0.00056	0.0091
SVOCs															
2-Methylnaphthalene	5	NS	0.0578 J	0.039 J	0.605	0.0549 J	16.4	0.989	0.634	< 0.47	< 0.025	< 0.023	< 0.024	< 0.024	< 0.028
Benzo(a)anthracene	0.5	500	0.22	0.0544 J	3.63	0.0276 J	69.1	0.41	0.613	0.441 J	0.0408 J	< 0.017	< 0.018	< 0.017	< 0.021
Benzo(a)pyrene	0.2	100	0.175	0.0383 J	3.37	< 0.017	65.2	0.269	0.687	0.351 J	0.0438 J	< 0.012	< 0.013	< 0.013	< 0.015
Benzo(b)fluoranthene	2	50	0.166	0.0471 J	2.75	< 0.022	**53**	0.281	0.324 J	< 0.33	0.0375 J	< 0.016	< 0.017	< 0.016	< 0.019
Benzo(k)fluoranthene	16	500	0.173	0.0401 J	2.55	< 0.036	49.9	0.109 J	< 0.18	< 0.54	0.0386 J	< 0.027	< 0.027	< 0.027	< 0.032
bis(2-Ethylhexyl)phthalate	790	100	1.01	4.15	2.31	0.48	1.23	57.9	**213**	9.11 J	3.31	< 0.045	0.136	< 0.046	0.991
Chrysene	52	500	0.241	0.0549 J	3.37	0.0286 J	65.3	0.885	1.42	0.725 J	0.049 J	< 0.013	< 0.013	< 0.013	0.028 J
Dibenzo(a,h)anthracene	0.5	100	0.0321 J	< 0.027	0.405	< 0.025	10.5	< 0.066	< 0.13	< 0.38	< 0.021	< 0.019	< 0.019	< 0.019	< 0.022
Fluoranthene	840	100	0.634	0.114	9.38	0.0487 J	**188**	0.483	0.216 J	0.485 J	0.0925	< 0.013	< 0.013	< 0.013	0.0207 J
Indeno(1,2,3-cd)pyrene	5	500	0.103	< 0.032	1.85	< 0.03	36.3	0.0971 J	< 0.16	< 0.46	0.0269 J	< 0.023	< 0.023	< 0.023	< 0.027
Naphthalene	16	100	0.128	0.166	1.27	0.194	40.2	3.57	0.644	1.86 J	0.0543 J	< 0.02	< 0.02	< 0.02	< 0.024
N-Nitrosodiphenylamine	0.2	1000	0.334	< 0.021	< 0.082	< 0.02	< 0.11	0.879	< 0.1	0.604 J	< 0.016	< 0.015	< 0.015	< 0.015	< 0.018
Pentachlorophenol	0.3	100	< 0.045	< 0.057	< 0.22	< 0.053	< 0.29	< 0.14	8.15	< 0.8	< 0.044	< 0.04	< 0.041	< 0.04	< 0.048
Pyrene	550	100	0.439	0.109	7.77	0.0495 J	**146**	1.48	0.725	0.802 J	0.0906	< 0.012	< 0.013	< 0.012	0.039 J
PCBs															
PCB 1242	0.2	50	0.189	0.229	< 0.0062	0.555	0.161	0.428	5.44	0.247	< 0.0061	< 0.0055	< 0.0056	< 0.0056	< 0.0066
PCB 1248	0.2	50	< 0.011	< 0.014	< 0.011	< 0.013	< 0.014	< 0.034	< 0.039	< 0.057	< 0.011	< 0.0096	< 0.0098	< 0.0098	< 0.012
PCB 1254	0.2	50	< 0.0099	< 0.013	< 0.0099	0.116	< 0.013	< 0.031	< 0.035	< 0.052	< 0.0097	< 0.0088	< 0.009	< 0.009	< 0.011
PCB 1260	0.2	50	< 0.0065	0.162	0.724	< 0.0078	< 0.0085	< 0.021	0.971	< 0.034	< 0.0064	< 0.0058	< 0.0059	< 0.0059	0.0906
Total PCBs	0.2	50	0.189	0.391	0.724	0.671	0.161	0.428	6.411	0.247	0	0	0	0	0.0906
Pesticides/Herbicides															
Dieldrin	0.003	50	< 0.00027	< 0.00035	0.0034	< 0.00033	< 0.00036	0.0072	2.98	< 0.0014	< 0.00027	< 0.00024	< 0.00025	< 0.00025	0.0038
Metals															
Aluminum	3900	NS	7310	7830	7860	7270	9030	1940	1810	14500	14500	5870	6430	5540	15100
Antimony	6	NS	< 24 J	< 31 J	< 12 J	< 72 J	< 32 J	9800 J	9.6 J	5.4 J	< 7.1 J	< 22 J	< 22 J	< 22 J	3.2
Antimony - method 6020	6	NS	< 6	< 7.7	NA	< 7.2	< 7.9	NA	NA	NA	NA	< 5.4	< 5.4	< 5.4	NA
Arsenic	19	NS	< 24	49.1	12.7	< 72	32.4	17.2	3	6.6	< 7.1	< 22	< 22	24	5
Arsenic - method 6020	19	NS	23.3	NA	NA	72	NA	NA	NA	NA	NA	16.3	17.3	NA	NA
Barium	1300	NS	< 240	< 310	< 120	< 720	< 320	815	87.3	2520	338	< 220	< 220	< 220	147
Beryllium	0.5	NS	< 6	< 7.7	< 3	< 18	< 7.9	< 1.9	< 0.75	1.7	< 1.8	< 5.4	< 5.4	< 5.4	0.73
Cadmium	1	NS	< 6	< 7.7	4.9	< 18	< 7.9	44.7	3.4	34.4	2.4	< 5.4	< 5.4	< 5.4	< 0.67
Lead	59	NS	33.8	179	336	< 72	33	8300	42.9	128	82.3	< 22	< 22	< 22	120
Manganese	42	NS	326	390	302	326	257	262	37.9	1060	648	294	188	237	466 J
Mercury	0.1	NS	0.16	1	0.08	0.18	0.22	0.55	0.84	0.14	0.084	< 0.036	< 0.036	< 0.035	0.27
Nickel	31	NS	< 48	< 62	< 24	< 140	< 63	106	19.4	24.7	22.2	< 43	< 43	< 43	27.3
Zinc	600	NS	52.6	225	163	< 72	203	1150	303	686	74.9	22.7	32.1	23.7	116

Table 3: Comparison of Soil Analytical Results to the Impact to Groundwater Soil Cleanup Criteria and the 2008 Impact to Groundwater Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood New Jersey

Location ID	2008 Impact to	Impact to	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-02	SC-03
Sample ID	GW Default	Groundwater	SC-2 (24-26)	SC-2 (38-40)	SC-2 (44-46)	SC-2 (68-70)	SC-2 (74-76)	SC-2 (82-84)	SC-2 (92-94)	SC-2 (144-145)	SC-2 (104-106)	SC-2 (116-118)	SC-2 (124-126)	SC-2 (134-136)	SC-3 (16-18)
Sample Date	Soil Screening	Soil Cleanup	3/27/2006	3/27/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/29/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/29/2006
Depth Interval	Levels	Criteria	24 - 26	38 - 40	44 - 46	68 - 70	74 - 76	82 - 84	92 - 94	144 - 145	104 - 106	116 - 118	124 - 126	134 - 136	16 - 18
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs															
Benzene	0.005	1	< 0.00064	0.0035 J	< 0.0071	0.0067 J	< 0.033	0.0807	0.0063 J	0.0017	0.118	0.102	< 0.00056	< 0.00058	< 0.00056
Ethylbenzene	8	100	< 0.0006	0.0268	0.0104 J	7.53	2.86	62.3	0.0446	0.00083 J	0.687	12.6	0.00064 J	0.0016	< 0.00053
Methylene chloride	0.007	1	< 0.00092	< 0.0032	< 0.01	< 0.0056	< 0.047	< 0.045	< 0.0064	< 0.00087	0.021 J	< 0.0092	0.0031 J	< 0.00083	< 0.00081
Toluene	4	500	< 0.00072	0.03	0.0522	1.22	1.12	0.587	0.0427	0.0014	0.578	0.143	< 0.00063	0.00082 J	< 0.00063
Trichloroethene	0.007	1	< 0.00069	< 0.0024	< 0.0077	< 0.0042	0.0897 J	< 0.034	< 0.0048	< 0.00066	< 0.0047	< 0.0069	< 0.0006	< 0.00063	< 0.00061
Xylenes	12	67	0.0013 J	0.429	0.095	38.2	10.1	**203**	1.38	0.003	3	53.3	0.0044	0.0039	< 0.00058
SVOCs															
2-Methylnaphthalene	5	NS	< 0.026	0.161 J	2.6	0.291	0.513	0.112	0.0767 J	< 0.025	0.168 J	1.36	< 0.023	< 0.023	< 0.026
Benzo(a)anthracene	0.5	500	< 0.019	0.106 J	0.0747 J	0.141	0.362	< 0.019	0.053 J	< 0.018	0.33 J	0.0802 J	< 0.017	< 0.017	< 0.019
Benzo(a)pyrene	0.2	100	< 0.014	0.106 J	< 0.041	0.129	0.309	0.104	0.0604 J	< 0.013	< 0.076	0.0665 J	< 0.012	< 0.013	< 0.014
Benzo(b)fluoranthene	2	50	< 0.018	< 0.06	< 0.054	0.11	0.324	0.0821	0.0487 J	< 0.017	< 0.1	0.0944 J	< 0.016	< 0.016	< 0.018
Benzo(k)fluoranthene	16	500	< 0.03	< 0.099	< 0.089	0.125	0.316	0.0701 J	0.039 J	< 0.028	< 0.17	0.088 J	< 0.027	< 0.027	< 0.03
bis(2-Ethylhexyl)phthalate	790	100	0.166	85.7	40.2	0.381	23.1	**4260**	6.69	< 0.048	2.27	53.1	0.14	0.0622 J	13
Chrysene	52	500	< 0.015	0.193 J	0.143 J	0.152	0.252	< 0.014	0.0857 J	< 0.014	0.805	0.114 J	< 0.013	< 0.013	< 0.015
Dibenzo(a,h)anthracene	0.5	100	< 0.021	< 0.069	< 0.062	< 0.02	0.0276 J	< 0.02	< 0.023	< 0.02	< 0.11	< 0.032	< 0.019	< 0.019	< 0.021
Fluoranthene	840	100	< 0.014	0.209 J	0.0876 J	0.345	0.67	0.109	0.0572 J	< 0.013	0.0983 J	0.156	< 0.013	< 0.013	0.0205 J
Indeno(1,2,3-cd)pyrene	5	500	< 0.025	< 0.083	< 0.075	0.0576 J	0.158	0.0662 J	< 0.027	< 0.024	< 0.14	0.0415 J	< 0.022	< 0.023	< 0.025
Naphthalene	16	100	< 0.023	0.386	5.68	0.904	2.19	1.94	0.263	< 0.021	0.598	3.34	< 0.02	< 0.02	0.0267 J
N-Nitrosodiphenylamine	0.2	1000	< 0.017	0.334 J	0.207 J	< 0.015	0.539	0.627	0.147 J	< 0.016	< 0.09	0.193 J	< 0.015	< 0.015	< 0.016
Pentachlorophenol	0.3	100	< 0.045	< 0.15	< 0.13	< 0.042	< 0.044	< 0.043	< 0.048	< 0.042	< 0.25	< 0.069	< 0.04	< 0.04	< 0.044
Pyrene	550	100	< 0.014	0.36	0.25	0.386	0.963	0.612	0.118	< 0.013	1.28	0.303	< 0.012	< 0.012	0.0201 J
PCBs															
PCB 1242	0.2	50	< 0.0062	< 0.02	< 0.018	< 0.0058	< 0.0061	< 0.006	0.606	< 0.0058	< 0.0068	< 0.0095	< 0.0054	< 0.0055	< 0.0061
PCB 1248	0.2	50	< 0.011	< 0.035	1.32	< 0.01	< 0.011	< 0.01	< 0.012	< 0.01	< 0.012	1.29	< 0.0095	< 0.0097	< 0.011
PCB 1254	0.2	50	< 0.0099	< 0.032	1.38	< 0.0093	< 0.0097	< 0.0096	< 0.011	< 0.0093	< 0.011	< 0.015	< 0.0087	< 0.0088	< 0.0098
PCB 1260	0.2	50	< 0.0065	3.88	0.405	< 0.0061	< 0.0064	< 0.0063	< 0.007	< 0.0061	< 0.0072	0.156	< 0.0057	< 0.0058	< 0.0065
Total PCBs	0.2	50	0	3.88	3.105	0	0	0	0.606	0	0	1.446	0	0	0
Pesticides/Herbicides															
Dieldrin	0.003	50	< 0.00027	0.0364	< 0.00081	< 0.00026	< 0.00027	< 0.00027	0.0025	< 0.00026	< 0.0006	< 0.00042	< 0.00024	< 0.00025	< 0.00027
Metals															
Aluminum	3900	NS	10200	2980	6190	7500	8190	7220	5060	4290	4500	7320	4060	4680	15300 J
Antimony	6	NS	< 2.4	2390	9.7	< 2.3	< 24	< 56	< 72	< 53	< 2.7	18.3	< 22	< 22	< 2.4 J
Antimony - method 6020	6	NS	NA	NA	NA	NA	< 6.1	< 5.6	< 7.2	< 5.3	NA	NA	< 5.4	< 5.4	NA
Arsenic	19	NS	4.6	19.5	7.5	6.6	35.1	57.4	82.4	< 53	< 2.7	32.6	22.6	23.8	6.1 J
Arsenic - method 6020	19	NS	NA	NA	NA	NA	NA	NA	NA	23.2	NA	NA	NA	NA	NA
Barium	1300	NS	49.4	303	805	156	< 240	< 560	< 720	< 530	54.5	2480	< 220	< 220	123 J
Beryllium	0.5	NS	0.64	< 2	< 1.9	0.64	< 6.1	< 14	< 18	< 13	0.8	< 4.4	< 5.4	< 5.4	0.79 J
Cadmium	1	NS	< 0.6	6.5	3.3	< 0.56	< 6.1	< 14	< 18	< 13	2	< 4.4	< 5.4	< 5.4	< 0.6 J
Lead	59	NS	12.5	2440	231	19	69.8	477	< 72	< 53	62	666	< 22	< 22	10.1 J
Manganese	42	NS	472 J	244 J	96.6 J	338 J	405 J	304 J	261 J	497 J	355 J	303 J	160 J	175 J	355 J
Mercury	0.1	NS	0.087	0.18	0.27	0.094	0.16	0.085	0.13	< 0.035	0.05	0.52	< 0.034	< 0.036	0.13
Nickel	31	NS	17.5	28.1	33	14	< 49	< 110	< 140	< 110	< 5.4	< 35	< 44	< 43	26.9 J
Zinc	600	NS	48.8	4400	606	57.7	88.1	80.2	110	< 53	209	440	< 22	< 22	46.5 J

Table 3: Comparison of Soil Analytical Results to the Impact to Groundwater Soil Cleanup Criteria and the 2008 Impact to Groundwater Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood New Jersey

Location ID	2008 Impact to	Impact to	SC-03	SC-03	SC-03	SC-03	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A	SC-03A
Sample ID	GW Default	Groundwater	SC-3 (24-26)	SC-3 (44-46)	SC-3 (75-77)	SC-3 (82-84)	SC-3A (12-14)	SC-3A (21-23)	SC-3A(42-44)	SC-3A(58-60)	SC-3A(64-66)	SC-3A(98-100)	SC-3A(106-108)	SC-3A(110-112)
Sample Date	Soil Screening	Soil Cleanup	3/29/2006	3/30/2006	3/30/2006	3/30/2006	3/31/2006	3/31/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Depth Interval	Levels	Criteria	24 - 26	44 - 46	75 - 77	82 - 84	12 - 14	21 - 23	42 - 44	58 - 60	64 - 66	98 - 100	106 - 108	110 - 112
Validation Status			Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs														
Benzene	0.005	1	0.0045	0.0028	< 0.00059	< 0.00048	< 0.00057	0.0036	< 0.00059	< 0.0032	0.002 J	< 0.00053	< 0.00051	< 0.00051
Ethylbenzene	8	100	0.0064	0.0634	< 0.00055	< 0.00046	< 0.00054	0.0717	< 0.00056	0.0167	0.0015 J	< 0.0005	< 0.00048	0.00081 J
Methylene chloride	0.007	1	< 0.00096	< 0.0017	< 0.00085	< 0.0007	< 0.00083	< 0.0023	< 0.00085	< 0.0045	< 0.0022	< 0.00076	< 0.00074	< 0.00074
Toluene	4	500	0.187	0.064	< 0.00066	< 0.00055	< 0.00065	0.0153	0.001 J	0.169	0.0046	< 0.0006	< 0.00058	0.0024
Trichloroethene	0.007	1	< 0.00072	< 0.0013	< 0.00064	< 0.00053	< 0.00062	< 0.0018	< 0.00064	< 0.0034	< 0.0017	< 0.00057	< 0.00055	< 0.00056
Xylenes	12	67	0.0173	0.483	< 0.0006	< 0.0005	< 0.00059	1.37	0.0022 J	0.161	0.075	0.0045	< 0.00052	0.0036
SVOCs														
2-Methylnaphthalene	5	NS	0.376 J	< 0.26	< 0.026	< 0.023	< 0.025	0.211 J	< 0.025	0.347 J	0.294	< 0.023	< 0.024	< 0.024
Benzo(a)anthracene	0.5	500	1.95	< 0.19	< 0.019	< 0.017	0.0533 J	0.337	< 0.019	0.33 J	0.121 J	< 0.017	< 0.017	< 0.018
Benzo(a)pyrene	0.2	100	1.64	< 0.14	< 0.014	< 0.012	0.0355 J	0.254	0.0157 J	0.183 J	0.0863 J	< 0.012	< 0.013	< 0.013
Benzo(b)fluoranthene	2	50	1.44	< 0.18	< 0.018	< 0.016	0.0398 J	0.223 J	< 0.018	0.25 J	0.0913 J	< 0.016	< 0.017	< 0.017
Benzo(k)fluoranthene	16	500	1.17	< 0.3	< 0.03	< 0.026	0.0402 J	0.198 J	< 0.029	0.243 J	< 0.08	< 0.027	< 0.027	< 0.028
bis(2-Ethylhexyl)phthalate	790	100	37.9	29.2	0.609	< 0.045	0.54	16.3	0.856	**1460**	**167**	1.35	0.101	< 0.047
Chrysene	52	500	1.9	< 0.15	0.0153 J	< 0.013	0.0589 J	0.365	0.0159 J	0.425 J	0.272	< 0.013	< 0.013	< 0.014
Dibenzo(a,h)anthracene	0.5	100	0.439 J	< 0.21	< 0.021	< 0.018	< 0.02	< 0.059	< 0.021	< 0.11	< 0.056	< 0.019	< 0.019	< 0.019
Fluoranthene	840	100	5.29	< 0.14	0.0264 J	< 0.012	0.102	0.881	0.0212 J	0.684	0.27	0.0199 J	< 0.013	< 0.013
Indeno(1,2,3-cd)pyrene	5	500	0.887	< 0.25	< 0.025	< 0.022	< 0.024	0.132 J	< 0.025	< 0.13	< 0.067	< 0.023	< 0.023	< 0.023
Naphthalene	16	100	0.826	0.398 J	< 0.022	< 0.02	< 0.021	3.2	< 0.022	1.18	0.601	< 0.02	< 0.02	< 0.021
N-Nitrosodiphenylamine	0.2	1000	< 0.097	0.283 J	< 0.016	< 0.014	< 0.016	0.349 J	< 0.016	0.869 J	0.464 J	< 0.015	< 0.015	< 0.015
Pentachlorophenol	0.3	100	< 0.26	< 0.45	< 0.044	< 0.039	< 0.042	< 0.13	< 0.044	< 0.24	< 0.12	< 0.04	< 0.041	< 0.041
Pyrene	550	100	4.52	0.209 J	0.0337 J	< 0.012	0.102	0.76	0.0212 J	0.865	0.297	0.0189 J	< 0.012	< 0.013
PCBs														
PCB 1242	0.2	50	< 0.0073	< 0.012	< 0.0062	< 0.0055	< 0.0059	< 0.018	0.304	< 0.033	< 0.017	< 0.0056	< 0.0056	< 0.0057
PCB 1248	0.2	50	< 0.013	< 0.022	< 0.011	< 0.0097	< 0.01	< 0.031	< 0.011	1.71	< 0.029	< 0.0097	< 0.0098	< 0.01
PCB 1254	0.2	50	0.648	1.12	< 0.0099	< 0.0088	< 0.0094	0.844	< 0.0097	1.72	< 0.026	< 0.0089	< 0.0089	< 0.0092
PCB 1260	0.2	50	< 0.0077	0.224	< 0.0066	< 0.0058	< 0.0062	0.64	< 0.0064	0.278	< 0.017	< 0.0059	< 0.0059	< 0.0061
Total PCBs	0.2	50	0.648	1.344	0	0	0	1.484	0.304	3.708	0	0	0	0
Pesticides/Herbicides														
Dieldrin	0.003	50	< 0.00032	< 0.00055	< 0.00028	< 0.00024	< 0.00026	< 0.00079	< 0.00027	< 0.0015	< 0.00073	< 0.00025	< 0.00025	< 0.00025
Metals														
Aluminum	3900	NS	7920 J	5590 J	12400 J	6250 J	18700 J	9290 J	7520 J	2590 J	1510 J	5440 J	4850 J	10700 J
Antimony	6	NS	< 71 J	< 48 J	< 12 J	< 11 J	< 12 J	< 69 J	< 12 J	95.9 J	136 J	< 22 J	< 22 J	< 11 J
Antimony - method 6020	6	NS	< 7.1 J	7.9 J	NA	NA	NA	21.2 J	NA	NA	NA	NA	< 5.4 J	NA
Arsenic	19	NS	82.9 J	53.3 J	< 12 J	< 11 J	12.3 J	78.7 J	< 12 J	22.3 J	22.6 J	28.8 J	25.1 J	13.2 J
Arsenic - method 6020	19	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1300	NS	< 710 J	< 480 J	377 J	< 110 J	< 120 J	1220 J	< 120 J	181 J	388 J	< 220 J	< 220 J	< 110 J
Beryllium	0.5	NS	< 18 J	< 12 J	< 3 J	< 2.7 J	< 2.9 J	< 17 J	< 2.9	< 3.4	< 1.6	< 5.4	< 5.4	< 2.8
Cadmium	1	NS	< 18 J	< 12 J	< 3 J	< 2.7 J	< 2.9 J	41.9 J	< 2.9	13.5	50.2	< 5.4	< 5.4	< 2.8
Lead	59	NS	101 J	107 J	68.6 J	< 11 J	< 12 J	463 J	50.9	2960	2520	< 22	< 22	< 11
Manganese	42	NS	411 J	279 J	310 J	254 J	344 J	391 J	310 J	120 J	71.4 J	249 J	200 J	361 J
Mercury	0.1	NS	0.12	0.12	0.12	< 0.035	< 0.038	0.18	0.12	0.27	0.45	< 0.033	< 0.036	< 0.035
Nickel	31	NS	< 140 J	< 97 J	40 J	< 21 J	40.9 J	< 140 J	< 23	29.1	< 13	< 43	< 43	< 22
Zinc	600	NS	507 J	837 J	816 J	21.7 J	55.5 J	2010 J	351 J	4100 J	838 J	212 J	39.7 J	86.5 J

R2-0003313

Table 3: Comparison of Soil Analytical Results to the Impact to Groundwater Soil Cleanup Criteria and the 2008 Impact to Groundwater Soil Remediation Standards, Ringwood Mines/Landfill Site, Ringwood New Jersey

All results are in milligrams per kilogram (mg/kg)

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: Detected in an associated method blank.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
Bold	Value is above the **Old** Impact to Groundwater Soil Criteria threshold value.
Shade	Value is above the **New** Impact to Groundwater Soil Criteria threshold value.

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-11R	OB-19	OB-20A	OB-20B	OB-21	OB-27	PM AIR SHAFT	PM AIR SHAFT	RW-3	RW-3D	RW-3D	RW-3D	RW-5	RW-5	RW-5A	RW-5A
Sample ID	**GWQS[1]**	**OB-11R(061110)**	**OB-19(060110)**	**OB-20A(060210)**	**OB-20B(060210)**	**OB-21(060110)**	**OB-27(060110)**	**PM AIRSHAFT 180**	**PM AIRSHAFT 230**	**RW-3(77-87)**	**RW-3D(140-165)**	**RW-3D(140-165) Dup**	**RW-3D(170-181)**	**RW-5(060210)**	**RW-5(060410)**	**RW-5A(060110)**	**RW-5A(060110) Dup**
Sample Date		**6/11/2010**	**6/1/2010**	**6/2/2010**	**6/2/2010**	**6/1/2010**	**6/1/2010**	**6/4/2010**	**6/4/2010**	**6/28/2010**	**6/9/2010**	**6/9/2010**	**6/9/2010**	**6/2/2010**	**6/4/2010**	**6/1/2010**	**6/1/2010**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOC																	
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	1.2	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	0.52 J	< 0.29	< 0.29	0.46 J	< 0.29	28.3	< 0.29	< 0.29	< 0.29	0.73 J	0.72 J	0.77 J	NA	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	NA	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	NA	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	NA	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.44 J	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	1.8	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	5.6	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	NA	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	< 2.9	< 2.9
Benzene	1	**5.2**	0.29 J	< 0.23	**1.1**	< 0.23	**5.9**	< 0.23	**31**	< 0.23	< 0.23	< 0.23	< 0.23	NA	0.24 J	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	NA	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26 J	< 0.26 J	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26 J	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	13.1	< 0.39	< 0.39	< 0.39	< 0.39	NA	< 0.39	< 0.39	< 0.39
Chloroethane	NS	39.1	< 0.37	< 0.37	1.3	< 0.37	159	< 0.37	15.9	< 0.37	< 0.37	< 0.37	< 0.37	NA	9.1	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	0.42 J	< 0.22	< 0.22	< 0.22	< 0.22	0.49 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	2 J	< 1.9	< 1.9	< 1.9	< 1.9	2 J	< 1.9	2.5 J	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NA	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	0.97 J	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	NA	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	0.75 J	< 0.57	< 0.57	1 J	< 0.57	3.1	< 0.57	10	< 0.57	< 0.57	< 0.57	< 0.57	NA	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	0.39 J	< 0.35	< 0.35	< 0.35	< 0.35	1.1 J	< 0.35	0.63 J	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.85 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	< 0.3	< 0.3	< 0.3
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	NA	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	1.3	< 0.3	< 0.3	< 0.3	0.34 J	0.34 J	0.44 J	NA	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NA	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	NA	< 0.44	< 0.44	< 0.44
Xylenes	1,000	< 0.25	< 0.25	< 0.25	4.4	< 0.25	5.4	< 0.25	4.1	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	77.4 J	0	17 J	8.1 J	0	0	0	NA	0	0	0
SVOC																	
1,1'-Biphenyl	400	< 0.46	< 0.49	< 0.5	< 0.45	< 0.51	< 0.47	< 0.46	< 0.44	< 0.5	< 0.48	< 0.48	< 0.47	< 0.5	NA	< 0.5	< 0.5
2,4,5-Trichlorophenol	700	< 1.4	< 1.5	< 1.6	< 1.4	< 1.6	< 1.5	< 1.5	< 1.4	< 1.6	< 1.5	< 1.5	< 1.5	< 1.6	NA	< 1.6 J	< 1.6
2,4,6-Trichlorophenol	20	< 1.3	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4	< 1.3	< 1.3	< 1.5	< 1.4	< 1.4	< 1.3	< 1.4	NA	< 1.5 J	< 1.4
2,4-Dichlorophenol	20	< 1.3	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4	< 1.3	< 1.3	< 1.5	< 1.4	< 1.4	< 1.3	< 1.4	NA	< 1.5 J	< 1.4
2,4-Dimethylphenol	100	< 1.8	< 1.9	< 1.9	< 1.8	< 2	< 1.9	< 1.8	< 1.7	< 2	< 1.9	< 1.9	< 1.8	< 1.9	NA	< 2 J	< 1.9
2,4-Dinitrophenol	40	< 0.8	< 0.86	< 0.87	< 0.78	< 0.89	< 0.83	< 0.81	< 0.77	< 0.88	< 0.84	< 0.85	< 0.81	< 0.87	NA	< 0.88 J	< 0.87
2,4-Dinitrotoluene	NS	< 0.24	< 0.26	< 0.26	< 0.23	< 0.27	< 0.25	< 0.24	< 0.23	< 0.26	< 0.25	< 0.25	< 0.24	< 0.26	NA	< 0.26	< 0.26
2,6-Dinitrotoluene	NS	< 0.35	< 0.38	< 0.38	< 0.35	< 0.39	< 0.37	< 0.36	< 0.34	< 0.39	< 0.37	< 0.37	< 0.36	< 0.38	NA	< 0.39	< 0.38
2-Chloronaphthalene	600	< 0.45	< 0.48	< 0.49	< 0.44	< 0.5	< 0.47	< 0.46	< 0.43	< 0.5	< 0.48	< 0.48	< 0.46	< 0.49	NA	< 0.5	< 0.49
2-Chlorophenol	40	< 1.2	< 1.2	< 1.3	< 1.1	< 1.3	< 1.2	< 1.2	< 1.1	< 1.3	< 1.2	< 1.2	< 1.2	< 1.3	NA	< 1.3 J	< 1.3
2-Methylnaphthalene	NS	< 0.72	< 0.77	< 0.77	< 0.7	< 0.79	< 0.74	< 0.72	< 0.69	< 0.78	< 0.75	< 0.76	< 0.73	< 0.77	NA	< 0.78	< 0.77
2-Methylphenol	NS	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	NA	< 1.3 J	< 1.3
2-Nitroaniline	NS	< 0.26	< 0.27	< 0.28	< 0.25	< 0.28	< 0.26	< 0.26	< 0.24	< 0.28	< 0.27	< 0.27	< 0.26	< 0.28	NA	< 0.28	< 0.28
2-Nitrophenol	NS	< 1.3	< 1.4	< 1.5	< 1.3	< 1.5	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.4	< 1.5	NA	< 1.5 J	< 1.5
3&4-Methylphenol	NS	< 1.1	< 1.2	< 1.2	< 1.1	< 1.3	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	NA	< 1.2 J	< 1.2
3,3'-Dichlorobenzidine	30	< 0.32	< 0.34	< 0.35	< 0.31	< 0.36	< 0.33	< 0.32	< 0.31	< 0.35	< 0.34	< 0.34	< 0.33	< 0.35	NA	< 0.35	< 0.35
3-Nitroaniline	NS	< 0.31	< 0.33	< 0.34	< 0.31	< 0.35	< 0.32	< 0.32	< 0.3	< 0.34	< 0.33	< 0.33	< 0.32	< 0.34	NA	< 0.34	< 0.34
4,6-Dinitro-2-methylphenol	NS	< 0.56	< 0.6	< 0.6	< 0.55	< 0.62	< 0.58	< 0.56	< 0.53	< 0.61	< 0.59	< 0.59	< 0.57	< 0.6	NA	< 0.61 J	< 0.6
4-Bromophenyl phenyl ether	NS	< 0.38	< 0.41	< 0.41	< 0.37	< 0.42	< 0.39	< 0.38	< 0.36	< 0.42	< 0.4	< 0.4	< 0.39	< 0.41	NA	< 0.42	< 0.41
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.2	< 1.2	< 1.1	< 1.3	< 1.2	< 1.2	< 1.1	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	NA	< 1.3 J	< 1.2
4-Chloroaniline	30	< 0.28	< 0.29	< 0.3	< 0.27	< 0.3	< 0.28	< 0.28	< 0.26	< 0.3	< 0.29	< 0.29	< 0.28	< 0.3	NA	< 0.3	< 0.3
4-Chlorophenyl phenyl ether	NS	< 0.38	< 0.41	< 0.42	< 0.38	< 0.43	< 0.4	< 0.39	< 0.37	< 0.42	< 0.4	< 0.41	< 0.39	< 0.42	NA	< 0.42	< 0.42
4-Nitroaniline	NS	< 0.19	< 0.21	< 0.21	< 0.19	< 0.21	< 0.2	< 0.2	< 0.19	< 0.21	< 0.2	< 0.2	< 0.2	< 0.21	NA	< 0.21	< 0.21
4-Nitrophenol	NS	< 0.9	< 0.96	< 0.97	< 0.88	< 1	< 0.93	< 0.91	< 0.86	< 0.99	< 0.95	< 0.95	< 0.91	< 0.97	NA	< 0.99 J	< 0.97

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-11R	OB-19	OB-20A	OB-20B	OB-21	OB-27	PM AIR SHAFT	PM AIR SHAFT	RW-3	RW-3D	RW-3D	RW-3D	RW-5	RW-5	RW-5A	RW-5A
Sample ID	**GWQS[1]**	**OB-11R(061110)**	**OB-19(060110)**	**OB-20A(060210)**	**OB-20B(060210)**	**OB-21(060110)**	**OB-27(060110)**	**PM AIRSHAFT 180**	**PM AIRSHAFT 230**	**RW-3(77-87)**	**RW-3D(140-165)**	**RW-3D(140-165) Dup**	**RW-3D(170-181)**	**RW-5(060210)**	**RW-5(060410)**	**RW-5A(060110)**	**RW-5A(060110) Dup**
Sample Date		**6/11/2010**	**6/1/2010**	**6/2/2010**	**6/2/2010**	**6/1/2010**	**6/1/2010**	**6/4/2010**	**6/4/2010**	**6/28/2010**	**6/9/2010**	**6/9/2010**	**6/9/2010**	**6/2/2010**	**6/4/2010**	**6/1/2010**	**6/1/2010**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Acetophenone	700	< 0.43	< 0.46	< 0.47	< 0.42	< 0.48	< 0.45	< 0.44	< 0.42	< 0.48	< 0.46	< 0.46	< 0.44	< 0.47	NA	< 0.48	< 0.47
Atrazine	3	< 0.43	< 0.45	< 0.46	< 0.42	< 0.47	< 0.44	< 0.43	< 0.41	< 0.47	< 0.45	< 0.45	< 0.43	< 0.46	NA	< 0.47	< 0.46
Benzaldehyde	NS	< 0.44	< 0.47	< 0.48	< 0.43	< 0.49	< 0.45	< 0.44	< 0.42	< 0.48	< 0.46	< 0.46	< 0.45	< 0.48	NA	< 0.48	< 0.48
Benzyl butyl phthalate	100	< 0.27	< 0.29	< 0.3	< 0.27	< 0.3	< 0.28	< 0.28	< 0.26	< 0.3	< 0.29	< 0.29	< 0.28	< 0.3	NA	< 0.3	< 0.3
bis(2-Chloroethoxy)methane	NS	< 0.27	< 0.29	< 0.29	< 0.26	< 0.3	< 0.28	< 0.27	< 0.26	< 0.3	< 0.28	< 0.29	< 0.27	< 0.29	NA	< 0.3	< 0.29
bis(2-Chloroethyl)ether	7	< 0.34	< 0.36	< 0.36	< 0.33	< 0.37	< 0.35	< 0.34	< 0.32	< 0.37	< 0.35	< 0.36	< 0.34	< 0.36	NA	< 0.37	< 0.36
bis(2-Chloroisopropyl)ether	300	< 0.42	< 0.45	< 0.46	< 0.41	< 0.47	< 0.44	< 0.43	< 0.41	< 0.46	< 0.45	< 0.45	< 0.43	< 0.46	NA	< 0.46	< 0.46
bis(2-Ethylhexyl)phthalate	3	< 0.36	< 0.38	< 0.38	1.5 J	< 0.39	< 0.37	< 0.36	< 0.34	< 0.39	< 0.37	< 0.38	< 0.36	< 0.38	NA	< 0.39	< 0.38
Caprolactam	NS	< 0.21	< 0.23	< 0.23	< 0.21	< 0.23	< 0.22	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.22	< 0.23	NA	< 0.23	< 0.23
Carbazole	NS	< 0.18	< 0.19	< 0.19	< 0.18	< 0.2	< 0.19	< 0.18	< 0.17	< 0.2	< 0.19	< 0.19	< 0.18	< 0.19	NA	< 0.2	< 0.19
Dibenzofuran	NS	< 0.33	< 0.35	< 0.36	< 0.32	< 0.37	< 0.34	< 0.33	< 0.32	< 0.36	< 0.35	< 0.35	< 0.34	< 0.36	NA	< 0.36	< 0.36
Diethyl phthalate	6000	< 0.18	< 0.19	< 0.19	< 0.18	< 0.2	< 0.19	< 0.18	< 0.17	< 0.2	< 0.19	< 0.19	< 0.18	< 0.19	NA	< 0.2	< 0.19
Dimethyl phthalate	NS	< 0.24	< 0.26	< 0.26	1.5 J	< 0.27	< 0.25	< 0.25	< 0.23	< 0.27	< 0.26	< 0.26	< 0.25	< 0.26	NA	< 0.27	< 0.26
di-n-butyl phthalate	700	< 0.21	< 0.22	< 0.22	< 0.2	< 0.23	< 0.21	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.22	NA	< 0.23	< 0.22
di-n-octylphthalate	100	< 0.43	< 0.46	< 0.46	< 0.42	< 0.48	< 0.44	< 0.43	< 0.41	< 0.47	< 0.45	< 0.45	< 0.44	< 0.46	NA	< 0.47	< 0.46
Hexachlorobutadiene	1	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14	< 0.13	< 0.15	< 0.15	< 0.15	< 0.14	< 0.15	NA	< 0.15	< 0.15
Hexachlorocyclopentadiene	40	< 0.27	< 0.28	< 0.29	< 0.26	< 0.29	< 0.27	< 0.27	< 0.25	< 0.29	< 0.28	< 0.28	< 0.27	< 0.29	NA	< 0.29	< 0.29
Hexachloroethane	7	< 0.23	< 0.24	< 0.25	< 0.22	< 0.25	< 0.23	< 0.23	< 0.22	< 0.25	< 0.24	< 0.24	< 0.23	< 0.25	NA	< 0.25	< 0.25
Isophrone	40	< 0.27	< 0.29	< 0.29	< 0.26	< 0.3	< 0.28	< 0.27	< 0.26	< 0.3	< 0.28	< 0.29	< 0.28	< 0.29	NA	< 0.3	< 0.29
Nitrobenzene	6	< 0.28	< 0.29	< 0.3	< 0.27	< 0.3	< 0.28	< 0.28	< 0.26	< 0.3	< 0.29	< 0.29	< 0.28	< 0.3	NA	< 0.3	< 0.3
N-Nitroso-di-n-Propylamine	10	< 0.48	< 0.51	< 0.52	< 0.47	< 0.53	< 0.49	< 0.48	< 0.46	< 0.52	< 0.5	< 0.5	< 0.48	< 0.52	NA	< 0.52	< 0.52
N-Nitrosodiphenylamine	10	< 0.23	< 0.25	< 0.25	0.64 J	< 0.26	< 0.24	< 0.24	0.9 J	< 0.26	< 0.25	< 0.25	< 0.24	< 0.25	NA	< 0.26	< 0.25
Phenol	2000	< 0.63	< 0.67	< 0.68	< 0.61	< 0.7	< 0.65	< 0.63	< 0.6	< 0.69	< 0.66	< 0.66	< 0.64	< 0.68	NA	< 0.69 J	< 0.68
Total TIC, Semi-Volatile	NS	29.1 J	0	0	0	0	69.2 J	0	137.3 J	0	4.9 J	5.7 J	18.6 J	6 J	NA	0	0
SVOC BY SIM																	
Acenaphthene	400	< 0.032	< 0.034	< 0.034	< 0.031	< 0.035	0.471	< 0.032	0.217	< 0.035	< 0.033	< 0.033	< 0.032	< 0.034	NA	< 0.035	< 0.034
Acenaphthylene	NS	< 0.043	< 0.046	< 0.046	< 0.042	< 0.047	< 0.044	< 0.043	< 0.041	< 0.047	< 0.045	< 0.045	< 0.043	< 0.046	NA	< 0.047	< 0.046
Anthracene	2000	< 0.028	< 0.03	< 0.03	< 0.027	< 0.031	0.124	< 0.028	< 0.027	< 0.03	< 0.029	< 0.029	< 0.028	< 0.03	NA	< 0.03	< 0.03
Benzo(a)anthracene	0.1 [0.2]	< 0.026	< 0.028	< 0.028	< 0.025	< 0.029	< 0.027	< 0.026	< 0.025	< 0.028	< 0.027	< 0.027	< 0.026	< 0.028	NA	< 0.028	< 0.028
Benzo(a)pyrene	0.1 [0.2]	< 0.033	< 0.036	< 0.036	< 0.033	< 0.037	< 0.035	< 0.034	< 0.032	< 0.037	< 0.035	< 0.035	< 0.034	< 0.036	NA	< 0.037	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.039	< 0.042	< 0.042	< 0.038	< 0.043	< 0.04	< 0.039 J	< 0.037 J	< 0.043	< 0.041	< 0.041	< 0.04	< 0.042	NA	< 0.043	< 0.042
Benzo(g,h,i)perylene	NS	< 0.031	< 0.033	< 0.034	< 0.031	< 0.035	< 0.032	< 0.032	< 0.03	< 0.034	< 0.033	< 0.033	< 0.032	< 0.034	NA	< 0.034	< 0.034
Benzo(k)fluoranthene	0.5	< 0.031	< 0.033	< 0.033	< 0.03	< 0.034	< 0.032	< 0.031	< 0.029	< 0.034	< 0.032	< 0.032	< 0.031	< 0.033	NA	< 0.034	< 0.033
Chrysene	5	< 0.024	< 0.026	< 0.026	< 0.023	< 0.027	< 0.025	< 0.024	< 0.023	< 0.026	< 0.025	< 0.025	< 0.024	< 0.026	NA	< 0.026	< 0.026
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.024	< 0.026	< 0.026	< 0.024	< 0.027	< 0.025	< 0.025	< 0.023	< 0.027	< 0.026 J	< 0.026 J	< 0.025	< 0.026	NA	< 0.027	< 0.026
Fluoranthene	300	< 0.026	< 0.028	< 0.029	< 0.026	< 0.029	< 0.027	< 0.027	< 0.025	< 0.029	< 0.028	< 0.028	< 0.027	< 0.029	NA	< 0.029	< 0.029
Fluorene	300	< 0.029	< 0.031	< 0.032	< 0.029	< 0.032	0.463	< 0.03	< 0.028	< 0.032	< 0.031	< 0.031	< 0.03	< 0.032	NA	< 0.032	< 0.032
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012	< 0.011	< 0.011	< 0.01	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	NA	< 0.012	< 0.012
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.032	< 0.034	< 0.034	< 0.031	< 0.035	< 0.033	< 0.032	< 0.03	< 0.035	< 0.033	< 0.034	< 0.032	< 0.034	NA	< 0.035	< 0.034
Naphthalene	300	< 0.02	< 0.022	< 0.022	0.59	< 0.022	2.27	< 0.02	4.03	< 0.022	< 0.021	< 0.021	< 0.02	0.277	NA	< 0.022	< 0.022
Pentachlorophenol	0.3 [1]	< 0.074	< 0.079	< 0.08	< 0.072	< 0.082	< 0.076	< 0.075 J	< 0.071 J	< 0.081 R	< 0.078 J	< 0.078 J	< 0.075	< 0.08	NA	< 0.081	< 0.08
Phenanthrene	NS	< 0.039	< 0.042	< 0.042	< 0.038	< 0.043	0.645	< 0.04	< 0.038	< 0.043	< 0.041	< 0.041	< 0.04	0.165	NA	< 0.043	< 0.042
Pyrene	200	< 0.024	< 0.026	< 0.026	< 0.024	< 0.027	< 0.025	< 0.024	< 0.023	< 0.026	< 0.025	< 0.025	< 0.024	< 0.026	NA	< 0.026	< 0.026
PCBs																	
PCB 1016	0.5	< 0.33	< 0.34	< 0.3	< 0.3	< 0.34	< 0.33	< 0.31	< 0.32	< 0.33	< 0.33	< 0.34	< 0.34	< 0.3	NA	< 0.32	< 0.32
PCB 1221	0.5	< 0.45	< 0.46	< 0.41	< 0.41	< 0.47	< 0.46	< 0.43	< 0.44	< 0.46	< 0.45	< 0.46	< 0.46	< 0.41	NA	< 0.44	< 0.43
PCB 1232	0.5	< 0.34	< 0.35	< 0.31	< 0.31	< 0.35	< 0.34	< 0.32	< 0.33	< 0.34	< 0.34	< 0.35	< 0.35	< 0.31	NA	< 0.33	< 0.33
PCB 1242	0.5	< 0.3	< 0.3	< 0.27	< 0.27	< 0.31	< 0.3	< 0.28	< 0.29	< 0.3	< 0.3	< 0.3	< 0.3	< 0.27	NA	< 0.29	< 0.28
PCB 1248	0.5	< 0.31	< 0.31	< 0.28	< 0.28	< 0.32	< 0.31	< 0.29	< 0.3	< 0.31	< 0.31	< 0.31	< 0.31	< 0.28	NA	< 0.3	< 0.29
PCB 1254	0.5	< 0.2	< 0.2	< 0.18	< 0.18	< 0.2	< 0.2	< 0.19	< 0.19	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	NA	< 0.19	< 0.19
PCB 1260	0.5	< 0.15	< 0.16	< 0.14	< 0.14	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.16	< 0.14	NA	< 0.15	< 0.15
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	0
Metals - Total																	
Aluminum	200	**637 J**	120 J	192 B	80.9 B	**1000**	87.3 J	25.8 B	< 7.8	< 7.8	**508**	**479**	**563**	105 B	NA	145 B	87.8 J
Antimony	6	< 2.2	< 2.2	3.2 B	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	NA	< 2.2	< 2.2
Arsenic	3 [8]	**24.9**	< 1.4	**7.9**	< 1.4	< 1.4	**20.5**	< 1.4	1.8 B	< 1.4	< 1.4	< 1.4	< 1.4	2.1 B	NA	2.6 B	**3.6**
Barium	2000	77.6 B	61.7 J	92.9 B	39.2 B	16.7 J	54.6 J	14.5 B	615	34.1 B	36.4 B	34.7 B	32.7 B	30 B	NA	17.2 J	16.8 J
Beryllium	1	< 0.21	< 0.24	< 0.24	< 0.24	< 0.24	< 1	< 0.24	0.6 B	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24
Cadmium	4	< 0.35	< 0.35	< 0.35	0.6 B	< 0.35	< 3	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	0.4 B	< 0.35	NA	< 0.35	< 0.35
Calcium	NS	49700 J	10500	22200	32600	11100	38400	5490	106000	42000	56100 J	53800 J	55900 J	64400	NA	23400	23200
Chromium	70	< 0.56	< 10	< 0.59	< 0.59	< 10	< 0.59	< 0.59	3.8 J	< 0.59	3.2 J	2.3 J	< 10	< 0.59	NA	< 10	< 0.59
Cobalt	NS	2.7 B	< 0.65	< 0.65	15.6 B	2 B	3.1 B	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	NA	< 0.65	< 0.65
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	31.3	< 2.5	< 2.5	< 2.5	< 2.5	7.9 B	6.6 B	6.7 B	< 2.5	NA	< 2.5	< 2.5
Iron	300	**56700**	**19300**	**31400**	**22600**	**1710**	**53600**	**348**	**144000**	134 J	**6450**	**6020**	**7560**	**5760**	NA	**829**	**786**
Lead	5	< 1.9	< 1.9	1.9 B	< 1.9	2.5 B	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9
Magnesium	NS	6630	1610 B	2310 B	5780	4560 B	5150	1280 B	12100	11900	15100	14400	15100	15600	NA	5350	5280
Manganese	50	**9580**	**351**	**1160**	**4990**	**278**	**9510**	24.9	**2590**	**146**	**197**	**208**	**199**	**3420**	NA	**184**	**183**
Mercury	2	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	NA	< 0.082	< 0.082
Nickel	100	2.4 B	0.7 B	< 10	4.1 J	6.1 B	2.6 B	< 0.51	3.8 B	< 0.51	3.3 B	3.7 B	2.8 B	< 10	NA	0.9 B	1 B
Potassium	NS	2840 B	978 B	1840 B	2180 B	1050 B	1570 B	400 B	8120 B	1660 B	2100 B	2010 B	2090 B	8240 B	NA	64800	63200
Selenium	40	< 1.9	3.1 B	< 10	< 10	2.5 B	3 B	< 1.9	2.2 B	< 1.9	< 1.9	< 1.9	< 1.9	< 10	NA	< 1.9	< 1.9
Silver	40	3.4 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	3 B	0.7 B	< 0.53	< 0.53	< 0.53	< 0.53	NA	< 0.53	< 0.53
Sodium	50,000	3480 B	2370 J	2050 B	3590 B	3430 J	3260 J	2070 J	32300	6070 B	7980 B	7770 B	7820 B	12400	NA	48000 J	47000 J
Thallium	2 [10]	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	NA	< 1.8	< 1.8
Vanadium	NS	< 0.56	2.6 J	2.7 B	2.5 B	2.1 J	< 50	< 0.56	2.2 B	< 0.56	3.7 J	3.7 J	3.1 J	0.9 B	NA	< 50	< 50

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-11R	OB-19	OB-20A	OB-20B	OB-21	OB-27	PM AIR SHAFT	PM AIR SHAFT	RW-3	RW-3D	RW-3D	RW-3D	RW-5	RW-5	RW-5A	RW-5A
Sample ID	GWQS[1]	OB-11R(061110)	OB-19(060110)	OB-20A(060210)	OB-20B(060210)	OB-21(060110)	OB-27(060110)	PM AIRSHAFT 180	PM AIRSHAFT 230	RW-3(77-87)	RW-3D(140-165)	RW-3D(140-165) Dup	RW-3D(170-181)	RW-5(060210)	RW-5(060410)	RW-5A(060110)	RW-5A(060110) Dup
Sample Date		6/11/2010	6/1/2010	6/2/2010	6/2/2010	6/1/2010	6/1/2010	6/4/2010	6/4/2010	6/28/2010	6/9/2010	6/9/2010	6/9/2010	6/2/2010	6/4/2010	6/1/2010	6/1/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Zinc	2000	15.4 B	8.8 J	12.1 J	15.4 J	16.5 J	< 1.4	13.7 J	92.9	< 20	568 J	541 J	505 J	15.8 J	NA	< 20	< 20
Metals - Dissolved																	
Aluminum	200	< 7.8 J	< 200	35 B	41.4 B	34.8 J	42.8 J	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 200	73.3 B	NA	< 200	33.3 J
Antimony	6	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	NA	< 2.2	< 2.2
Arsenic	3 [8]	**3.8**	< 1.4	< 1.4	< 1.4	< 1.4	2.9 B	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	2.7 B	2.1 B
Barium	2000	44 B	50.8 J	72.8 B	27.3 B	2.5 J	41.6 J	14.1 B	418	35 B	26.1 B	33.2 B	31.3 B	26.7 B	NA	14 J	13.8 J
Beryllium	1	< 0.21	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.5 B	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24
Cadmium	4	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 3	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35	< 0.35
Calcium	NS	45800	10100	21700	31400	9260	38100	5430	107000	43000	54800	55500	55800	64400	NA	20000	20200
Chromium	70	< 0.56	< 0.59	< 0.59	< 0.59	< 10	< 0.59	< 0.59	< 10	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	NA	< 0.59	< 10
Cobalt	NS	1.7 B	< 0.65	0.7 B	14.3 B	< 0.65	3.2 B	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	NA	< 0.65	< 0.65
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	2.5 B	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	NA	< 2.5	5.2 B
Iron	300	**23900**	**1520**	**8150**	**2680**	46.2 B	**28600**	114	**110000**	< 100	41.7 B	43.7 B	49.1 B	**400**	NA	202	209
Lead	5	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9
Magnesium	NS	6150	1550 B	2220 B	5580	3800 B	5180	1280 B	12400	12300	14700	14900	15000	16300	NA	5090	5100
Manganese	50	**9130**	**335**	**1070**	**4800**	< 15	**9660**	22.6	**2660**	**146**	**160**	**162**	**165**	**3340**	NA	**115**	**117**
Mercury	2	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	NA	< 0.082	< 0.082
Nickel	100	1.5 B	< 0.51	< 10	< 10	< 0.51	2.5 B	< 0.51	3.1 B	< 0.51	2.6 B	1.4 B	2.4 B	< 10	NA	0.9 B	1.3 B
Potassium	NS	2510 B	935 B	1750 B	2110 B	870 B	1560 B	403 B	8340 B	1680 B	2010 B	2010 B	2060 B	8560 B	NA	65800	65000
Selenium	40	< 1.9	< 1.9	< 10	< 10	2.6 B	3 B	< 1.9	5.5 B	< 1.9	< 1.9	< 1.9	< 1.9	< 10	NA	< 1.9	< 1.9
Silver	40	2.8 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	2.7 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	NA	< 0.53	< 0.53
Sodium	50,000	3200 B	2310 J	2000 B	3460 B	3240 J	3220 J	2080 J	33200	6260 B	7950 B	7910 B	7880 B	21700	NA	48800 J	48300 J
Thallium	2 [10]	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	1.95 B	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	NA	< 1.8	< 1.8
Vanadium	NS	< 0.56	< 0.56	0.6 B	0.8 B	< 0.56	< 50	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	1 B	NA	< 50	< 50
Zinc	2000	14.4 B	< 20	< 20	8.5 J	< 20	< 20	11.4 J	73	9 J	382	387	328	< 20	NA	< 20	16.7 J
Other																	
Alkalinity, total (as CaCO3)	NS	179000	35400	69200	120000	37100	171000	14200	433000	152000	206000 J	96500 J	205000	259000	NA	229000	232000
Chloride	250000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	11400	5700	8100	8200	8400	2100	NA	< 2000	< 2000
Sulfate	250000	< 10000	45600	< 10000	< 10000	10200	< 10000	< 10000	< 10000	11700	10000	10700	< 10000	19200	NA	23200	23100

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6	RW-6A	RW-7	SC-01	SR-3_Area	FB	FB	FB	FB	FB	FB	FB	PFB	FB	FB	FB	FB	FB	FB	FB
Sample ID	GWQS[1]	RW-6(060210)	RW-6(060410)	RW-6A(060210)	RW-7(060110)	SC-1(060210)	SR-3-SEEP	FB(052510)	FB(052610)	FB(052710)	FB(052810)	FB-(060110)	FB(060210)	FB(060410)	PFB(060710)	FB(060810)	FB(060910)	FB(061110)	FB(062310)	FB(062410)	FB(062510)	FB(062810)
Sample Date		6/2/2010	6/4/2010	6/2/2010	6/1/2010	6/2/2010	5/26/2010	5/25/2010	5/26/2010	5/27/2010	5/28/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/24/2010	6/25/2010	6/28/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																						
1,1,1-Trichloroethane	30	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24
1,1,2-Trichloroethane	3	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23
1,1-Dichloroethane	50	NA	0.58 J	0.97 J	< 0.29	0.56 J	2.2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29	< 0.29
1,1-Dichloroethene	1	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	NA	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	NA	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	NA	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	NA	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	NA	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	NA	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26
1,2-Dichloroethane	2	NA	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33
1,2-Dichloropropane	1	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27
1,3-Dichlorobenzene	600	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25
1,4-Dichlorobenzene	75	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28
2-Butanone (MEK)	300	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 1.6	< 1.6
2-Hexanone	NS	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	NA	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	NA	< 0.86	< 0.86
Acetone	6000	NA	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	< 2.9
Benzene	1	NA	**1.5**	**1.9**	< 0.23	**1.5**	**1.2**	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23
Bromodichloromethane	1	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22
Bromoform	4	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23
Bromomethane	10	NA	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	< 0.3	< 0.3
Carbon disulfide	700	NA	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	NA	< 0.74	< 0.74
Carbon tetrachloride	1	NA	< 0.26 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26
Chlorobenzene	50	NA	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	NA	< 0.39	< 0.39
Chloroethane	NS	NA	4.2	1.4	< 0.37	1.1	3.4	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	NA	< 0.37	< 0.37
Chloroform	70	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23
Chloromethane	NS	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	NA	< 0.22	< 0.22	< 0.22	< 0.22	0.79 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25
Cyclohexane	NS	NA	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9
Dibromochloromethane	1	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	NA	< 0.92	< 0.92	< 0.92	2.7 J	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NA	< 0.92	< 0.92
Ethylbenzene	700	NA	< 0.27	< 0.27	< 0.27	3.4	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27
Freon 113	NS	NA	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	NA	< 0.38	< 0.38
Isopropylbenzene	700	NA	< 0.57	2.1	< 0.57	2	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	NA	< 0.57	< 0.57
Methyl acetate	7000	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	< 1.5
Methyl tert butyl ether	70	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23
Methylcyclohexane	NS	NA	0.68 J	< 0.35	< 0.35	1.9 J	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35	< 0.35
Methylene chloride	3	NA	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	< 0.3	< 0.3
Styrene	100	NA	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	NA	< 0.58	< 0.58
Tetrachloroethene	1	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27
Toluene	1000	NA	< 0.3	< 0.3	< 0.3	26.6	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21
Trichloroethene	1	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24
Trichlorofluoromethane	2000	NA	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NA	< 0.54	< 0.54
Vinyl Chloride	1	NA	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	NA	< 0.44	< 0.44
Xylenes	1,000	NA	< 0.25	1.3	< 0.25	42.8	0.36 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25	< 0.25
Total TIC, Volatile	NS	NA	0	30.1 J	0	38.2 J	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	0
SVOC																						
1,1'-Biphenyl	400	< 0.53	NA	< 0.47	< 0.47	< 0.44	< 0.42	< 0.49	< 0.44	< 0.42	< 0.42	< 0.44	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.44	NA	< 0.42	< 0.43	< 0.44
2,4,5-Trichlorophenol	700	< 1.7	NA	< 1.5	< 1.5	< 1.4	< 1.3	< 1.5	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	NA	< 1.3	< 1.3	< 1.4
2,4,6-Trichlorophenol	20	< 1.5	NA	< 1.4	< 1.4	< 1.3	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	NA	< 1.2	< 1.2	< 1.3
2,4-Dichlorophenol	20	< 1.5	NA	< 1.4	< 1.4	< 1.3	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	NA	< 1.2	< 1.2	< 1.3
2,4-Dimethylphenol	100	< 2.1	NA	< 1.8	< 1.9	< 1.7	< 1.7	< 1.9	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	40	< 0.92	NA	< 0.82	< 0.83	< 0.78	< 0.74	< 0.86	< 0.77	< 0.74	< 0.74	< 0.78	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.76	NA	< 0.74	< 0.75 J	< 0.78
2,4-Dinitrotoluene	NS	< 0.28	NA	< 0.24	< 0.25	< 0.23	< 0.22	< 0.26	< 0.23	< 0.22	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.23	NA	< 0.22	< 0.22	< 0.23
2,6-Dinitrotoluene	NS	< 0.41	NA	< 0.36	< 0.37	< 0.34	< 0.33	< 0.38	< 0.34	< 0.33	< 0.33	< 0.34	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.34	NA	< 0.33	< 0.33	< 0.34
2-Chloronaphthalene	600	< 0.52	NA	< 0.46	< 0.47	< 0.44	< 0.42	< 0.48	< 0.43	< 0.42	< 0.42	< 0.44	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.43	NA	< 0.42	< 0.42	< 0.44
2-Chlorophenol	40	< 1.3	NA	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	NS	< 0.82	NA	< 0.73	< 0.74	< 0.69	< 0.66	< 0.77	< 0.69	< 0.66	< 0.66	< 0.69	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.68	NA	< 0.66	< 0.67	< 0.69
2-Methylphenol	NS	< 1.4	NA	< 1.2	< 1.3	< 1.2	< 1.1	< 1.3	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	NA	< 1.1	< 1.1	< 1.2
2-Nitroaniline	NS	< 0.29	NA	< 0.26	< 0.26	< 0.25	< 0.24	< 0.27	< 0.24	< 0.24	< 0.24	< 0.25	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.25
2-Nitrophenol	NS	< 1.6	NA	< 1.4	< 1.4	< 1.3	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	NA	< 1.2	< 1.3	< 1.3
3&4-Methylphenol	NS	< 1.3	NA	< 1.2	< 1.2	< 1.1	< 1	< 1.2	< 1.1	< 1	< 1	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1.1	NA	< 1	< 1.1	< 1.1
3,3'-Dichlorobenzidine	30	< 0.37	NA	< 0.33	< 0.33	< 0.31	< 0.3	< 0.34	< 0.31	< 0.3	< 0.3	< 0.31	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31	NA	< 0.3	< 0.3	< 0.31
3-Nitroaniline	NS	< 0.36	NA	< 0.32	< 0.32	< 0.3	< 0.29	< 0.33	< 0.3	< 0.29	< 0.29	< 0.3	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.3	NA	< 0.29	< 0.29	< 0.3
4,6-Dinitro-2-methylphenol	NS	< 0.64	NA	< 0.57	< 0.58	< 0.54	< 0.51	< 0.6	< 0.53	< 0.51	< 0.51	< 0.54	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.53	NA	< 0.51	< 0.52	< 0.54
4-Bromophenyl phenyl ether	NS	< 0.44	NA	< 0.39	< 0.39	< 0.37	< 0.35	< 0.41	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	NA	< 0.35	< 0.36	< 0.37
4-Chloro-3-Methylphenol	NS	< 1.3	NA	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	< 1.1	< 1.1	< 1.1
4-Chloroaniline	30	< 0.32	NA	< 0.28	< 0.28	< 0.27	< 0.25	< 0.29	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.26	NA	< 0.25	< 0.26	< 0.27
4-Chlorophenyl phenyl ether	NS	< 0.44	NA	< 0.39	< 0.4	< 0.37	< 0.35	< 0.41	< 0.37	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.37	NA	< 0.35	< 0.36	< 0.37
4-Nitroaniline	NS	< 0.22	NA	< 0.2	< 0.2	< 0.19	< 0.18	< 0.21	< 0.19	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.19
4-Nitrophenol	NS	< 1	NA	< 0.92	< 0.93	< 0.87	< 0.83	< 0.96	< 0.86	< 0.83	< 0.83	< 0.87	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.86	NA	< 0.83	< 0.84	< 0.87

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6	RW-6A	RW-7	SC-01	SR-3_Area	FB	FB	FB	FB	FB	FB	FB	PFB	FB	FB	FB	FB	FB	FB	FB
Sample ID	GWQS[1]	RW-6(060210)	RW-6(060410)	RW-6A(060210)	RW-7(060110)	SC-1(060210)	SR-3-SEEP	FB(052510)	FB(052610)	FB(052710)	FB(052810)	FB-(060110)	FB(060210)	FB(060410)	PFB(060710)	FB(060810)	FB(060910)	FB(061110)	FB(062310)	FB(062410)	FB(062510)	FB(062810)
Sample Date		6/2/2010	6/4/2010	6/2/2010	6/1/2010	6/2/2010	5/26/2010	5/25/2010	5/26/2010	5/27/2010	5/28/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/24/2010	6/25/2010	6/28/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Acetophenone	700	< 0.5	NA	< 0.44	< 0.45	< 0.42	< 0.4	< 0.46	< 0.42	< 0.4	< 0.4	< 0.42	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.41	NA	< 0.4	< 0.41	< 0.42
Atrazine	3	< 0.49	NA	< 0.43	< 0.44	< 0.41	< 0.39	< 0.45	< 0.41	< 0.39	< 0.39	< 0.41	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.41	NA	< 0.39	< 0.4	< 0.41
Benzaldehyde	NS	< 0.51	NA	< 0.45	< 0.45	< 0.43	< 0.4	< 0.47	< 0.42	< 0.4	< 0.4	< 0.43	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.42	NA	< 0.4	< 0.41	< 0.43
Benzyl butyl phthalate	100	< 0.31	NA	< 0.28	< 0.28	< 0.26	< 0.25	< 0.29	< 0.26	< 0.25	< 0.25	< 0.26	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.26	NA	< 0.25	< 0.26	< 0.26
bis(2-Chloroethoxy)methane	NS	< 0.31	NA	< 0.28	< 0.28	< 0.26	< 0.25	< 0.29	< 0.26	< 0.25	< 0.25	< 0.26	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.26	NA	< 0.25	< 0.25	< 0.26
bis(2-Chloroethyl)ether	7	< 0.39	NA	< 0.34	< 0.35	< 0.33	< 0.31	< 0.36	< 0.32	< 0.31	< 0.31	< 0.33	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.32	NA	< 0.31	< 0.32	< 0.33
bis(2-Chloroisopropyl)ether	300	< 0.49	NA	< 0.43	< 0.44	< 0.41	< 0.39	< 0.45	< 0.41	< 0.39	< 0.39	< 0.41	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.4	NA	< 0.39	< 0.4	< 0.41
bis(2-Ethylhexyl)phthalate	3	< 0.41	NA	< 0.36	< 0.37	< 0.34	< 0.33	< 0.38	< 0.34	< 0.33	< 0.33	< 0.34	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.34	NA	< 0.33	< 0.33	< 0.34
Caprolactam	NS	< 0.24	NA	< 0.22	< 0.22	< 0.21	< 0.2	< 0.23	< 0.2	< 0.2	< 0.2	< 0.21	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.21
Carbazole	NS	< 0.21	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17
Dibenzofuran	NS	< 0.38	NA	< 0.34	< 0.34	< 0.32	< 0.3	< 0.35	< 0.32	< 0.3	< 0.3	< 0.32	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.32	NA	< 0.3	< 0.31	< 0.32
Diethyl phthalate	6000	< 0.21	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	NS	< 0.28	NA	< 0.25	< 0.25	< 0.24	< 0.23	< 0.26	< 0.23	< 0.23	< 0.23	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.24
di-n-butyl phthalate	700	< 0.24	NA	< 0.21	< 0.21	< 0.2	< 0.19	< 0.22	< 0.2	< 0.19	< 0.19	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.2	NA	< 0.19	< 0.19	< 0.2
di-n-octylphthalate	100	< 0.49	NA	< 0.44	< 0.44	< 0.42	< 0.4	< 0.46	< 0.41	< 0.4	< 0.4	< 0.42	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.41	NA	< 0.4	< 0.4	< 0.42
Hexachlorobutadiene	1	< 0.16	NA	< 0.14	< 0.14	< 0.13	< 0.13	< 0.15	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA	< 0.13	< 0.13	< 0.13
Hexachlorocyclopentadiene	40	< 0.31	NA	< 0.27	< 0.27	< 0.26	< 0.24	< 0.28	< 0.25	< 0.24	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.25	NA	< 0.24	< 0.25	< 0.26
Hexachloroethane	7	< 0.26	NA	< 0.23	< 0.23	< 0.22	< 0.21	< 0.24	< 0.22	< 0.21	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	NA	< 0.21	< 0.21	< 0.22
Isophrone	40	< 0.31	NA	< 0.28	< 0.28	< 0.26	< 0.25	< 0.29	< 0.26	< 0.25	< 0.25	< 0.26	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.26	NA	< 0.25	< 0.25	< 0.26
Nitrobenzene	6	< 0.32	NA	< 0.28	< 0.28	< 0.27	< 0.25	< 0.29	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.26	NA	< 0.25	< 0.26	< 0.27
N-Nitroso-di-n-Propylamine	10	< 0.55	NA	< 0.49	< 0.49	< 0.46	< 0.44	< 0.51	< 0.46	< 0.44	< 0.44	< 0.46	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.45	NA	< 0.44	< 0.45	< 0.46
N-Nitrosodiphenylamine	10	< 0.27	NA	0.79 J	< 0.24	1.2 J	< 0.22	< 0.25	< 0.22	< 0.22	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.23
Phenol	2000	< 0.72	NA	< 0.64	< 0.65	< 0.61	< 0.58	< 0.67	< 0.6	< 0.58	< 0.58	< 0.61	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.6	NA	< 0.58	< 0.59	< 0.61
Total TIC, Semi-Volatile	NS	0	NA	31.1 J	0	30.6 J	0	0	0	0	0	0	0	0	0	0	0	0	NA	0	0	0
SVOC BY SIM																						
Acenaphthene	400	< 0.036	NA	< 0.032	< 0.033	< 0.031	< 0.029	< 0.034	< 0.03	< 0.029	< 0.029	< 0.031	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.03	NA	< 0.029	< 0.03	< 0.031
Acenaphthylene	NS	< 0.049	NA	< 0.044	< 0.044	< 0.041	< 0.039	< 0.046	< 0.041	< 0.039	< 0.039	< 0.041	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.041	NA	< 0.039	< 0.04	< 0.041
Anthracene	2000	< 0.032	NA	< 0.028	< 0.029	< 0.027	< 0.026	< 0.03	< 0.027	< 0.026	< 0.026	< 0.027	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.027	NA	< 0.026	< 0.026	< 0.027
Benzo(a)anthracene	0.1 [0.2]	< 0.03	NA	< 0.026	< 0.027	< 0.025	< 0.024	< 0.028	< 0.025	< 0.024	< 0.024	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	NA	< 0.024	< 0.024	< 0.025
Benzo(a)pyrene	0.1 [0.2]	< 0.039	NA	< 0.034	< 0.035	< 0.032	< 0.031	< 0.036	< 0.032	< 0.031	< 0.031	< 0.032	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.032	NA	< 0.031	< 0.031	< 0.032
Benzo(b)fluoranthene	0.2 [10]	< 0.045	NA	< 0.04	< 0.04	< 0.038	< 0.036	< 0.042	< 0.037	< 0.036	< 0.036	< 0.038	< 0.036	< 0.036 J	< 0.036 J	< 0.036	< 0.036 J	< 0.037	NA	< 0.036	< 0.037	< 0.038
Benzo(g,h,i)perylene	NS	< 0.036	NA	< 0.032	< 0.032	< 0.03	< 0.029	< 0.033	< 0.03	< 0.029	< 0.029	< 0.03	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.03	NA	< 0.029	< 0.029	< 0.03
Benzo(k)fluoranthene	0.5	< 0.035	NA	< 0.031	< 0.032	< 0.03	< 0.028	< 0.033	< 0.029	< 0.028	< 0.028	< 0.03	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028 J	< 0.029	NA	< 0.028	< 0.029	< 0.03
Chrysene	5	< 0.028	NA	< 0.024	< 0.025	< 0.023	< 0.022	< 0.026	< 0.023	< 0.022	< 0.022	< 0.023	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.023	NA	< 0.022	< 0.022	< 0.023
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.028	NA	< 0.025	< 0.025	< 0.024	< 0.023	< 0.026	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023 J	< 0.023	NA	< 0.023	< 0.023	< 0.024
Fluoranthene	300	< 0.03	NA	< 0.027	< 0.027	< 0.026	< 0.024	< 0.028	< 0.025	< 0.024	< 0.024	< 0.026	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.025	NA	< 0.024	< 0.025	< 0.026
Fluorene	300	< 0.034	NA	< 0.03	< 0.03	< 0.028	< 0.027	< 0.031	< 0.028	< 0.027	< 0.027	< 0.028	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.028	NA	< 0.027	< 0.027	< 0.028
Hexachlorobenzene	0.02 [10]	< 0.012	NA	< 0.011	< 0.011	< 0.01	< 0.0099	< 0.012	< 0.01	< 0.0099	< 0.0099	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	NA	< 0.0099	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.037	NA	< 0.032	< 0.033	< 0.031	< 0.029	< 0.034	< 0.03	< 0.029	< 0.029	< 0.031	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.03	NA	< 0.029	< 0.03	< 0.031
Naphthalene	300	0.142	NA	0.9	< 0.021	3.85	0.14	< 0.022	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	NA	< 0.019	< 0.019	< 0.019
Pentachlorophenol	0.3 [1]	< 0.085	NA	< 0.076	< 0.076	< 0.072	< 0.068	< 0.079	< 0.071	< 0.068	< 0.068	< 0.072	< 0.068	< 0.068 J	< 0.068 J	< 0.068	< 0.068 J	< 0.07	NA	< 0.068	< 0.069	< 0.072
Phenanthrene	NS	< 0.045	NA	< 0.04	< 0.041	0.125	< 0.036	< 0.042	< 0.038	< 0.036	< 0.036	< 0.038	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.037	NA	< 0.036	< 0.037	< 0.038
Pyrene	200	< 0.028	NA	< 0.025	< 0.025	< 0.023	< 0.022	< 0.026	< 0.023	< 0.022	< 0.022	< 0.023	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.023	NA	< 0.022	< 0.023	< 0.023
PCBs																						
PCB 1016	0.5	< 0.38	NA	< 0.33	< 0.34	< 0.3	< 0.32	< 0.33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31	< 0.3	< 0.3	< 0.3	< 0.3	NA	NA	< 0.3	< 0.3
PCB 1221	0.5	< 0.51	NA	< 0.46	< 0.47	< 0.41	< 0.43	< 0.46	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.42	< 0.42	< 0.41	< 0.41	< 0.41	NA	NA	< 0.41	< 0.41
PCB 1232	0.5	< 0.39	NA	< 0.34	< 0.35	< 0.31	< 0.33	< 0.34	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.32	< 0.31	< 0.31	< 0.31	< 0.31	NA	NA	< 0.31	< 0.31
PCB 1242	0.5	< 0.34	NA	< 0.3	< 0.31	< 0.27	< 0.28	< 0.3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.28	< 0.27	< 0.27	< 0.27	< 0.27	NA	NA	< 0.27	< 0.27
PCB 1248	0.5	< 0.35	NA	< 0.31	< 0.32	< 0.28	< 0.29	< 0.31	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28
PCB 1254	0.5	< 0.23	NA	< 0.2	< 0.2	< 0.18	< 0.19	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	< 0.18	< 0.18
PCB 1260	0.5	< 0.18	NA	< 0.16	< 0.16	< 0.14	< 0.15	< 0.16	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA	NA	< 0.14	< 0.14
Total PCBs	0.5	0	NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	0	0
Metals - Total																						
Aluminum	200	74.8 B	NA	69.3 B	**404**	84.2 B	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	9.5 B	11.1 B	8 B	< 7.8 J	NA	NA	7.9 B	15.9 B
Antimony	6	< 2.2	NA	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	NA	NA	< 2.2	< 2.2
Arsenic	3 [8]	2.1 B	NA	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	< 1.4	< 1.4
Barium	2000	318	NA	19 B	19.2 J	256	111 B	< 0.44 J	1.2 B	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	2.8 B	< 0.44	0.7 B	< 0.44	NA	NA	< 0.44	< 0.44
Beryllium	1	< 0.24	NA	0.3 B	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.21	NA	NA	< 0.24	< 0.24
Cadmium	4	0.6 B	NA	0.6 B	< 0.35	0.6 B	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	NA	< 0.35	< 0.35
Calcium	NS	64600	NA	58200	11000	21700	13000 J	< 44	< 44 J	64.7 B	< 44	< 44	< 44	< 44	471 B	< 44	< 44 J	89.7 B	NA	NA	< 44	53.9 B
Chromium	70	0.7 B	NA	< 0.59	< 10	3 B	1.4 B	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	0.7 B	1.1 B	0.6 B	< 0.56	NA	NA	< 0.59	< 0.59
Cobalt	NS	5.8 B	NA	6.3 B	< 0.65	1.4 B	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	NA	NA	< 0.65	< 0.65
Copper	1,300	< 2.5	NA	4 B	20.6	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 0.91	< 2.5	< 2.5	< 2.5	NA	NA	< 2.5	< 2.5
Iron	300	**40800**	NA	**8610**	**1060**	**43500**	**19400**	< 18	< 18	< 18	< 18	< 18	< 18	< 18	40.2 B	< 18	< 18	< 24	NA	NA	< 18	< 18
Lead	5	< 1.9	NA	< 1.9	< 1.9	**6.2**	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	NA	NA	< 1.9	< 1.9
Magnesium	NS	8870	NA	13500	3720 B	2510 B	1930 B	< 15	< 15	15.3 B	< 15	< 15	< 15	< 15	103 B	< 15	< 15	< 14	NA	NA	< 15	< 15
Manganese	50	**4580**	NA	**9280**	8.3 B	**441**	**420**	< 0.46 J	< 0.46	0.7 B	< 0.46	< 0.46	< 0.46	< 0.46	2.4 B	< 0.46	< 0.46	0.5 B	NA	NA	< 0.46	< 0.46
Mercury	2	< 0.082	NA	< 0.082	< 0.33	< 0.082	< 0.082	0.11 B	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	NA	NA	< 0.082	< 0.082
Nickel	100	< 10	NA	< 10	3.1 B	6.5 J	1.3 B	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	1.7 B	< 0.51	< 0.51	< 0.51	NA	NA	< 0.51	< 0.51
Potassium	NS	4550 B	NA	2280 B	954 B	1440 B	1090 B	< 75 J	< 20	< 75	< 75	< 75	< 75	< 75	< 75	< 75	< 75	< 75	NA	NA	< 75	< 75
Selenium	40	< 10	NA	2.5 J	2.5 B	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	2.4 B	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	NA	NA	< 1.9	< 1.9
Silver	40	< 0.53	NA	< 0.53	< 0.53	< 0.53	1.1 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	NA	NA	< 0.53	< 0.53
Sodium	50,000	6900 B	NA	7210 B	3460 J	2260 B	< 10000 J	160 BJ	647 BJ	423 B	263 B	< 14	79.4 B	49.1 B	312 B	< 14	< 14	65.9 B	NA	NA	< 14	25.5 B
Thallium	2 [10]	< 1.8	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	1.9 B	< 1.8	< 1.8	< 1.8	NA	NA	< 1.8	< 1.8
Vanadium	NS	2.5 B	NA	< 0.56	< 50	4 B	0.6 B	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	NA	NA	< 0.56	< 0.56

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6	RW-6A	RW-7	SC-01	SR-3_Area	FB	FB	FB	FB	FB	FB	FB	PFB	FB	FB	FB	FB	FB	FB	FB
Sample ID	GWQS[1]	RW-6(060210)	RW-6(060410)	RW-6A(060210)	RW-7(060110)	SC-1(060210)	SR-3-SEEP	FB(052510)	FB(052610)	FB(052710)	FB(052810)	FB-(060110)	FB(060210)	FB(060410)	PFB(060710)	FB(060810)	FB(060910)	FB(061110)	FB(062310)	FB(062410)	FB(062510)	FB(062810)
Sample Date		6/2/2010	6/4/2010	6/2/2010	6/1/2010	6/2/2010	5/26/2010	5/25/2010	5/26/2010	5/27/2010	5/28/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/24/2010	6/25/2010	6/28/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Zinc	2000	9 J	NA	< 20	29.7	59.4	5.4 J	4.7 B	< 1.4	< 1.4	3.6 B	1.9 B	1.8 B	< 1.4	17.2 B	1.8 B	2.3 J	2.6 B	NA	NA	< 1.4	1.7 B
Metals - Dissolved																						
Aluminum	200	70.1 B	NA	75.7 B	< 200	30 B	51.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 2.2	NA	< 2.2	< 2.2	< 2.2	< 2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 1.4	NA	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	247	NA	16 B	< 200 J	227	97.1 BJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	< 0.24	NA	0.3 B	< 0.24	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.35	NA	0.5 B	< 0.35	< 0.35	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	61500	NA	56900	11100	21000	13000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	< 0.59	NA	< 0.59	< 10	< 0.59	< 0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	5.4 B	NA	6 B	< 0.65	1.4 B	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	< 2.5	NA	< 2.5	< 2.5	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**17100**	NA	**496**	34.4 B	**13700**	256	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 1.9	NA	< 1.9	< 1.9	< 1.9	< 1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	8530	NA	13300	3750 B	2420 B	1930 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	**4380**	NA	**8930**	< 15	**428**	**415**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.082	NA	< 0.082	< 0.082	< 0.082	< 0.082	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	< 10	NA	< 10	0.8 B	5.5 J	< 0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	4370 B	NA	2210 B	961 B	1370 B	1130 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 1.9	NA	< 1.9	2.3 B	< 10	< 1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 0.53	NA	< 0.53	< 0.53	< 0.53	< 0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	6660 B	NA	7080 B	3580 J	2180 B	< 10000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	< 1.8	NA	< 1.8	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	1 B	NA	< 0.56	< 0.56	< 0.56	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	< 20	NA	< 1.4	9.2 J	12.8 J	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Alkalinity, total (as CaCO3)	NS	241000	NA	233000	40900	67000	49100	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	NA	NA	< 5000	< 5000
Chloride	250000	2700	NA	2400	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	NA	NA	< 2000	< 2000
Sulfate	250000	< 10000	NA	< 10000	12200	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	< 10000	< 10000

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		FB	FB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	FB(062910)	FB(063010)	TB(052510)	TB(052610)	TB(052710)	TB-(060110)	TB(060210)	TB(060410)	TRIP BLANK (6/7/2010)	TB(060810)	TB(060910)	TB(061110)	TB(062310)	TB-(062510)	TB(062910)	TB(063010)
Sample Date		6/29/2010	6/30/2010	5/25/2010	5/26/2010	5/27/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/25/2010	6/30/2010	6/30/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																	
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SVOC																	
1,1'-Biphenyl	400	< 0.42	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 0.74	< 0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.22	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.33	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.42	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.66	< 0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 0.29	< 0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 0.51	< 0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.35	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.35	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 0.83	< 0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		FB	FB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	FB(062910)	FB(063010)	TB(052510)	TB(052610)	TB(052710)	TB-(060110)	TB(060210)	TB(060410)	TRIP BLANK (6/7/2010)	TB(060810)	TB(060910)	TB(061110)	TB(062310)	TB-(062510)	TB(062910)	TB(063010)
Sample Date		6/29/2010	6/30/2010	5/25/2010	5/26/2010	5/27/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/25/2010	6/30/2010	6/30/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Acetophenone	700	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	3	< 0.39	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.39	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.33	**6.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NS	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.17	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.23	< 0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.19	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.4	1.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.13	< 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.21	< 0.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.25	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.44	< 0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.22	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2000	< 0.58	< 0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC BY SIM																	
Acenaphthene	400	< 0.029	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.039	< 0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2000	< 0.026	< 0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.024	< 0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.031	< 0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.036 J	< 0.036 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.029	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.028	< 0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	< 0.022	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.023	< 0.023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.024	< 0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	< 0.027	< 0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.0099	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.029	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	< 0.019	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.068	< 0.068	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.036	< 0.036	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	< 0.022	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																	
PCB 1016	0.5	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	< 0.41	< 0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total																	
Aluminum	200	75.7 B	16.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 2.2	< 2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 1.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	< 0.44	< 0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.35	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	88.5 B	< 44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	< 0.59	< 0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	< 0.65	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	< 2.5	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	35.4 B	< 18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 1.9	< 1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	80.9 B	< 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	< 0.46	< 0.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.082 J	< 0.082 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	< 0.51	< 0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	< 75	< 75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 1.9	< 1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 0.53	< 0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	18.6 B	17.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	< 1.8	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 0.56	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		FB	FB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	FB(062910)	FB(063010)	TB(052510)	TB(052610)	TB(052710)	TB-(060110)	TB(060210)	TB(060410)	TRIP BLANK (6/7/2010)	TB(060810)	TB(060910)	TB(061110)	TB(062310)	TB-(062510)	TB(062910)	TB(063010)
Sample Date		6/29/2010	6/30/2010	5/25/2010	5/26/2010	5/27/2010	6/1/2010	6/2/2010	6/4/2010	6/7/2010	6/8/2010	6/9/2010	6/11/2010	6/23/2010	6/25/2010	6/30/2010	6/30/2010
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Zinc	2000	< 1.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Dissolved																	
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																	
Alkalinity, total (as CaCO3)	NS	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250000	< 2000	< 2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	< 10000	< 10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4: Summary of Groundwater Analytical Results, June 2010, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Results are presented in micrograms per liter (ug/L) unless otherwise noted.

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Location ID			OB-01	OB-02	OB-03	OB-04	OB-05	OB-07	OB-10	OB-10	OB-11R	OB-12	OB-13	OB-14A
Sample ID		GWQS[1]	OB-1 (052011)	OB-2(051611)	OB-3(151711)	OB-4(051711)	OB-5(051711)	OB-7(051711)	OB-10(051711)	OB-10(051711) DUP	OB-11R(051811)	OB-12(051711)	OB-13(051711)	OB-14A(051911)
Sample Date			5/20/2011	5/16/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/18/2011	5/17/2011	5/17/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC														
1,1,1-Trichloroethane	ug/l	30	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.2	< 0.12	< 0.12	< 0.12
1,1,2-Trichloroethane	ug/l	3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.23	< 0.13	< 0.13	< 0.13
1,1-Dichloroethane	ug/l	50	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.48 J	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.28	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	ug/l	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.2*	< 1.2*	< 1.2* J	< 1.2*	< 1.2*	< 1.2*	< 1.2*	< 1.2* J	< 1.3*	< 1.2*	< 1.2*	< 1.2*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.21*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	ug/l	600	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.18	< 0.15	< 0.15	< 0.15
1,2-Dichloroethane	ug/l	2	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.18	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.23	< 0.23	< 0.23
1,3-Dichlorobenzene	ug/l	600	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.29	< 0.19	< 0.19	< 0.19
1,4-Dichlorobenzene	ug/l	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.26	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	ug/l	300	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2.9	< 1.7	< 1.7	< 1.7
2-Hexanone	ug/l	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3	< 1.9	< 1.9	< 1.9
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 1.2	< 0.74	< 0.74	< 0.74
Acetone	ug/l	6000	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 7.6	< 4.4	< 4.4	< 4.4
Benzene	ug/l	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	**3.7**	< 0.26	< 0.26	< 0.26
Bromodichloromethane	ug/l	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.18	< 0.18	< 0.18
Bromoform	ug/l	4	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.24	< 0.42	< 0.42	< 0.42
Bromomethane	ug/l	10	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31	< 0.24	< 0.24	< 0.24
Carbon disulfide	ug/l	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/l	1	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.19	< 0.35	< 0.35	< 0.35
Chlorobenzene	ug/l	50	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.22	< 0.15	< 0.15	< 0.15
Chloroethane	ug/l	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	20.2	< 0.25	< 0.25	< 0.25
Chloroform	ug/l	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21	< 0.14	< 0.14	< 0.14
Chloromethane	ug/l	NS	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.22 J	< 0.34	< 0.34	< 0.34
cis-1,2-Dichloroethene	ug/l	70	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.33 J	< 0.24	< 0.24	< 0.24
cis-1,3-Dichloropropene	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.22	< 0.16	< 0.16	< 0.16
Cyclohexane	ug/l	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	1.1 J	< 0.43	< 0.43	< 0.43
Dibromochloromethane	ug/l	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.2	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	ug/l	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.31 J	< 0.39	< 0.39	< 0.39
Ethylbenzene	ug/l	700	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.21	< 0.31	< 0.31	< 0.31
Freon 113	ug/l	NS	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.49	< 0.66	< 0.66	< 0.66
Isopropylbenzene	ug/l	700	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	0.62 J	< 0.31	< 0.31	< 0.31
Methyl acetate	ug/l	7000	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2.9	< 1.3	< 1.3	< 1.3
Methyl tert butyl ether	ug/l	70	< 0.2	< 0.2	< 0.2	< 0.2	0.68 J	< 0.2	< 0.2	< 0.2	< 0.18	< 0.2	< 0.2	< 0.2
Methylcyclohexane	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.23 J	< 0.16	< 0.16	< 0.16
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.23	< 0.48	< 0.48	< 0.48
Tetrachloroethene	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.32	< 0.24	< 0.24	< 0.24
Toluene	ug/l	1000	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.15	< 0.27	< 0.27	< 0.27
Trans-1,2-dichloroethene	ug/l	100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31	< 0.3	< 0.3	< 0.3
trans-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.19	< 0.22	< 0.22	< 0.22
Trichloroethene	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.22	< 0.22	< 0.22
Trichlorofluoromethane	ug/l	2000	< 0.23	0.3 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.35	< 0.23	< 0.23	< 0.23
Vinyl Chloride	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.27	< 0.22	< 0.22	< 0.22
Xylenes	ug/l	1,000	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.17	< 0.28	< 0.28	< 0.28
Total TIC, Volatile	ug/l	NS	0	0	0	8.7 J	0	0	0	0	19.7 J	0	0	0

Location ID			OB-01	OB-02	OB-03	OB-04	OB-05	OB-07	OB-10	OB-10	OB-11R	OB-12	OB-13	OB-14A
Sample ID		GWQS[1]	OB-1 (052011)	OB-2(051611)	OB-3(151711)	OB-4(051711)	OB-5(051711)	OB-7(051711)	OB-10(051711)	OB-10(051711) DUP	OB-11R(051811)	OB-12(051711)	OB-13(051711)	OB-14A(051911)
Sample Date			5/20/2011	5/16/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/18/2011	5/17/2011	5/17/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC														
1,1'-Biphenyl	ug/l	400	< 0.42	< 0.43	< 0.47	< 0.47	< 0.42	< 0.47	< 0.47	< 0.45	< 0.42	< 0.45	< 0.42	< 0.44
2,4,5-Trichlorophenol	ug/l	700	< 1.3	< 1.3	< 1.5	< 1.5	< 1.3	< 1.5	< 1.5	< 1.4	< 1.3	< 1.4	< 1.3	< 1.4
2,4,6-Trichlorophenol	ug/l	20	< 1.2	< 1.2	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.3	< 1.2	< 1.3	< 1.2	< 1.3
2,4-Dichlorophenol	ug/l	20	< 1.2	< 1.2	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.3	< 1.2	< 1.3	< 1.2	< 1.3
2,4-Dimethylphenol	ug/l	100	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7
2,4-Dinitrophenol	ug/l	40	< 0.74	< 0.75	< 0.82	< 0.82	< 0.74	< 0.82	< 0.82	< 0.78	< 0.74	< 0.78	< 0.74	< 0.78
2,4-Dinitrotoluene	ug/l	NS	< 0.22	< 0.22 J	< 0.24 J	< 0.24 J	< 0.22	< 0.24 J	< 0.24 J	< 0.23 J	< 0.22	< 0.23	< 0.22	< 0.23
2,6-Dinitrotoluene	ug/l	NS	< 0.33	< 0.33	< 0.36	< 0.36	< 0.33	< 0.36	< 0.36	< 0.35	< 0.33	< 0.35	< 0.33	< 0.34
2-Chloronaphthalene	ug/l	600	< 0.42	< 0.42	< 0.46	< 0.46	< 0.42	< 0.46	< 0.46	< 0.44	< 0.42	< 0.44	< 0.42	< 0.44
2-Chlorophenol	ug/l	40	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	ug/l	NS	< 0.66	< 0.67	< 0.73	< 0.73	< 0.66	< 0.73	< 0.73	< 0.7	< 0.66	< 0.7	< 0.66	< 0.69
2-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
2-Nitroaniline	ug/l	NS	< 0.24	< 0.24	< 0.26	< 0.26	< 0.24	< 0.26	< 0.26	< 0.25	< 0.24	< 0.25	< 0.24	< 0.25
2-Nitrophenol	ug/l	NS	< 1.2	< 1.3	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.3	< 1.2	< 1.3	< 1.2	< 1.3
3&4-Methylphenol	ug/l	NS	< 1	< 1.1	< 1.2	< 1.2	< 1	< 1.2	< 1.2	< 1.1	< 1	< 1.1	< 1	< 1.1
3,3'-Dichlorobenzidine	ug/l	30	< 0.3	< 0.3	< 0.33	< 0.33	< 0.3	< 0.33	< 0.33	< 0.31	< 0.3	< 0.31	< 0.3	< 0.31
3-Nitroaniline	ug/l	NS	< 0.29	< 0.29	< 0.32	< 0.32	< 0.29	< 0.32	< 0.32	< 0.31	< 0.29	< 0.31	< 0.29	< 0.3
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.51	< 0.52	< 0.57	< 0.57	< 0.51	< 0.57	< 0.57	< 0.55	< 0.51	< 0.55	< 0.51	< 0.54
4-Bromophenyl phenyl ether	ug/l	NS	< 0.35	< 0.36	< 0.39	< 0.39	< 0.35	< 0.39	< 0.39	< 0.37	< 0.35	< 0.37	< 0.35	< 0.37
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
4-Chloroaniline	ug/l	30	< 0.25	< 0.26	< 0.28	< 0.28	< 0.25	< 0.28	< 0.28	< 0.27	< 0.25	< 0.27	< 0.25	< 0.27
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.35	< 0.36	< 0.39	< 0.39	< 0.35	< 0.39	< 0.39	< 0.38	< 0.35	< 0.38	< 0.35	< 0.37
4-Nitroaniline	ug/l	NS	< 0.18	< 0.18	< 0.2	< 0.2	< 0.18	< 0.2	< 0.2	< 0.19	< 0.18	< 0.19	< 0.18	< 0.19
4-Nitrophenol	ug/l	NS	< 0.83	< 0.84	< 0.92	< 0.92	< 0.83	< 0.92	< 0.92	< 0.88	< 0.83	< 0.88	< 0.83	< 0.87
Acetophenone	ug/l	700	< 0.4	< 0.41	< 0.44	< 0.44	< 0.4	< 0.44	< 0.44	< 0.42	< 0.4	< 0.42	< 0.4	< 0.42
Atrazine	ug/l	3	< 0.39	< 0.4	< 0.43	< 0.43	< 0.39	< 0.43	< 0.43	< 0.42	< 0.39	< 0.42	< 0.39	< 0.41
Benzaldehyde	ug/l	NS	< 0.4	< 0.41	< 0.45	< 0.45	< 0.4	< 0.45	< 0.45	< 0.43	< 0.4	< 0.43	< 0.4	< 0.43
Benzyl butyl phthalate	ug/l	100	< 0.25	< 0.26	< 0.28	< 0.28	< 0.25	< 0.28	< 0.28	< 0.27	< 0.25	< 0.27	< 0.25	< 0.26
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.25	< 0.25	< 0.28	< 0.28	< 0.25	< 0.28	< 0.28	< 0.26	< 0.25	< 0.26	< 0.25	< 0.26
bis(2-Chloroethyl)ether	ug/l	7	< 0.31	< 0.32	< 0.34	< 0.34	< 0.31	< 0.34	< 0.34	< 0.33	< 0.31	< 0.33	< 0.31	< 0.33
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.39	< 0.4	< 0.43	< 0.43	< 0.39	< 0.43	< 0.43	< 0.41	< 0.39	< 0.41	< 0.39	< 0.41
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.33	< 0.33	< 0.36	< 0.36	< 0.33	< 0.36	< 0.36	< 0.35	< 0.33	< 0.35	< 0.33	< 0.34
Caprolactam	ug/l	NS	< 0.2	< 0.2	< 0.22	< 0.22	< 0.2	< 0.22	< 0.22	< 0.21	< 0.2	< 0.21	< 0.2	< 0.21
Carbazole	ug/l	NS	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.17	< 0.17
Dibenzofuran	ug/l	NS	< 0.3	< 0.31	< 0.34	< 0.34	< 0.3	< 0.34	< 0.34	< 0.32	< 0.3	< 0.32	< 0.3	< 0.32
Diethyl phthalate	ug/l	6000	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.17	< 0.17
Dimethyl phthalate	ug/l	NS	< 0.23	< 0.23	< 0.25	< 0.25	< 0.23	< 0.25	< 0.25	< 0.24	< 0.23	< 0.24	< 0.23	< 0.24
di-n-butyl phthalate	ug/l	700	< 0.19	< 0.19	< 0.21	< 0.21	< 0.19	< 0.21	< 0.21	< 0.2	< 0.19	< 0.2	< 0.19	< 0.2
di-n-octylphthalate	ug/l	100	< 0.4	< 0.4	< 0.44	< 0.44	< 0.4	< 0.44	< 0.44	< 0.42	< 0.4	< 0.42	< 0.4	< 0.42
Hexachlorobutadiene	ug/l	1	< 0.13	< 0.13	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.13	< 0.13
Hexachlorocyclopentadiene	ug/l	40	< 0.24	< 0.25	< 0.27	< 0.27	< 0.24	< 0.27	< 0.27	< 0.26	< 0.24	< 0.26	< 0.24	< 0.26
Hexachloroethane	ug/l	7	< 0.21	< 0.21	< 0.23	< 0.23	< 0.21	< 0.23	< 0.23	< 0.22	< 0.21	< 0.22	< 0.21	< 0.22
Isophrone	ug/l	40	< 0.25	< 0.25	< 0.28	< 0.28	< 0.25	< 0.28	< 0.28	< 0.26	< 0.25	< 0.26	< 0.25	< 0.26
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.25	< 0.26	< 0.28	< 0.28	< 0.25	< 0.28	< 0.28	< 0.27	< 0.25	< 0.27	< 0.25	< 0.27
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.44	< 0.45	< 0.49	< 0.49	< 0.44	< 0.49	< 0.49	< 0.47	< 0.44	< 0.47	< 0.44	< 0.46
N-Nitrosodiphenylamine	ug/l	10	< 0.22	< 0.22	< 0.24	< 0.24	< 0.22	< 0.24	< 0.24	< 0.23	< 0.22	< 0.23	< 0.22	< 0.23
Phenol	ug/l	2000	< 0.58	< 0.59	< 0.64	< 0.64	< 0.58	< 0.64	< 0.64	< 0.61	< 0.58	< 0.61	< 0.58	< 0.61
Total TIC, Semi-Volatile	ug/l	NS	0	0	0	200 J	11 J	0	0	0	25 J	0	0	40.5 J

Location ID			OB-01	OB-02	OB-03	OB-04	OB-05	OB-07	OB-10	OB-10	OB-11R	OB-12	OB-13	OB-14A
Sample ID		GWQS[1]	OB-1 (052011)	OB-2(051611)	OB-3(151711)	OB-4(051711)	OB-5(051711)	OB-7(051711)	OB-10(051711)	OB-10(051711) DUP	OB-11R(051811)	OB-12(051711)	OB-13(051711)	OB-14A(051911)
Sample Date			5/20/2011	5/16/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/18/2011	5/17/2011	5/17/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM														
Acenaphthene	ug/l	400	< 0.014	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015	< 0.015	< 0.015	< 0.014	< 0.015	< 0.014	< 0.014
Acenaphthylene	ug/l	NS	< 0.016	< 0.016	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017
Anthracene	ug/l	2000	< 0.01	< 0.01	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.015	< 0.015	< 0.017	< 0.017	< 0.015	< 0.017	< 0.017	< 0.016	< 0.015	< 0.016	< 0.015	< 0.016
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0049	< 0.005	< 0.0054	< 0.0054	< 0.0049	< 0.0054	< 0.0054	< 0.0052	< 0.0049	< 0.0052	< 0.0049	< 0.0052
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.016	< 0.017	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017
Benzo(g,h,i)perylene	ug/l	NS	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.011
Benzo(k)fluoranthene	ug/l	0.5	< 0.013	< 0.013	< 0.014	< 0.014	< 0.013	< 0.014	< 0.014	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chrysene	ug/l	5	< 0.023	< 0.024	< 0.026	< 0.026	< 0.023	< 0.026	< 0.026	< 0.025	< 0.023	< 0.025	< 0.023	< 0.024
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.023	< 0.023	< 0.025	< 0.025	< 0.023	< 0.025	< 0.025	< 0.024	< 0.023	< 0.024	< 0.023	< 0.024
Fluoranthene	ug/l	300	< 0.0096	< 0.0098	< 0.011	< 0.011	< 0.0096	< 0.011	< 0.011	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01
Fluorene	ug/l	300	< 0.015	< 0.015	< 0.017	< 0.017	< 0.015	< 0.017	< 0.017	< 0.016	< 0.015	< 0.016	< 0.015	< 0.016
Hexachlorobenzene	ug/l	0.02 [10]	< 0.008	< 0.0082	< 0.0089	< 0.0089	< 0.008	< 0.0089	< 0.0089	< 0.0085	< 0.008	< 0.0085	< 0.008	< 0.0084
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Naphthalene	ug/l	300	< 0.016	< 0.017	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017
Pentachlorophenol	ug/l	0.3 [1]	< 0.29	< 0.29	< 0.32*	< 0.32*	< 0.29	< 0.32*	< 0.32*	< 0.3	< 0.29	< 0.3	< 0.29	< 0.3
Phenanthrene	ug/l	NS	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017	< 0.017	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017
Pyrene	ug/l	200	< 0.0081	< 0.0083	< 0.009	< 0.009	< 0.0081	< 0.009	< 0.009	< 0.0086	< 0.0081	< 0.0086	< 0.0081	< 0.0085
PCBs														
PCB 1016	ug/l	0.5	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13
PCB 1221	ug/l	0.5	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.3	< 0.27	< 0.29	< 0.3	< 0.29	< 0.27
PCB 1232	ug/l	0.5	< 0.39	< 0.41	< 0.42	< 0.42	< 0.41	< 0.42	< 0.42	< 0.39	< 0.42	< 0.43	< 0.41	< 0.39
PCB 1242	ug/l	0.5	< 0.086	< 0.091	< 0.093	< 0.093	< 0.091	< 0.093	< 0.095	< 0.086	< 0.093	< 0.097	< 0.091	< 0.086
PCB 1248	ug/l	0.5	< 0.15	< 0.15	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15	< 0.15
PCB 1254	ug/l	0.5	< 0.14	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.14	< 0.15	< 0.16	< 0.15	< 0.14
PCB 1260	ug/l	0.5	< 0.21	< 0.22	< 0.23	< 0.23	< 0.22	< 0.23	< 0.23	< 0.21	< 0.23	< 0.23	< 0.22	< 0.21
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total														
Aluminum	ug/l	200	106 B	< 200	< 200	**347**	< 200	< 200	53.4 J	< 200	**4860 J**	< 200	65.4 J	69.1 J
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	1.1 B	< 0.92	< 0.92	< 0.92	< 0.92	**23.9**	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	3.5 B	4.2 B	2.5 B	66.1 B	24.1 B	12.5 B	6.7 B	7.3 B	117 B	2.4 B	3.4 B	435
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	0.2 B	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	22700	10600	19400	48400	74400	58400	13800	14300	64800	5970	5130	119000
Chromium	ug/l	70	< 0.9	2.6 J	< 0.9	3.4 J	< 0.9	< 0.9	< 0.83	2.8 B	5.9 J	< 0.9	< 0.9	< 10
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	26.8 B	1.2 B	1.1 B	< 0.3	< 0.3	4.5 B	< 0.3	< 0.3	< 50
Copper	ug/l	1,300	< 0.85	< 0.85	< 0.85	1.8 B	< 0.85	< 0.85	< 1.9	< 0.85	10.1	1.7 B	< 0.85	< 0.85
Iron	ug/l	300	**413**	38.6 J	**3090**	**22500**	**53800**	**6840**	**1240**	**1500**	**66000**	31 J	73.9 J	**50900**
Lead	ug/l	5	1.2 B	1.3 B	< 0.94	1.2 B	1.2 B	1.2 B	< 0.94	< 0.94	**7.4**	< 0.94	< 0.94	3.8 J
Magnesium	ug/l	NS	4440 B	3640 B	5260	13500	37600	23200	4040 B	4180 B	7800	2230 B	2060 B	11600
Manganese	ug/l	50	4.6 B	< 15 J	20.3 J	**1460 J**	**1850 J**	**1850 J**	**79.5 J**	**144 J**	**9790**	< 15 J	< 15 J	**1480**
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	0.8 B	1 J	< 10	10.9	1.4 J	1.4 J	< 0.41	< 10	10	< 0.41	< 0.41	3.1 J
Potassium	ug/l	NS	761 B	1210 B	911 B	3360 B	3420 B	2260 B	1110 B	1160 B	3310 B	491 B	815 B	6200 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	1.1 J	2 J	< 0.72	< 0.66	< 0.72	1.1 B	< 0.72	< 0.72	1.2 B
Sodium	ug/l	50,000	3390 B	3080 B	3380 B	**100000**	27600	8220 B	3340 B	3520 B	3430 B	2070 B	2550 B	19400
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	1.8 J	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	< 0.43	< 0.43	< 0.43	3.9 J	< 50	< 0.43	< 0.7	< 0.43	1.2 B	< 0.43	< 0.43	< 50
Zinc	ug/l	2000	4.5 B	< 20	< 20	44.7	< 20	< 20	< 20	< 20	27.5 J	< 20	< 20	5.8 J

Location ID			OB-01	OB-02	OB-03	OB-04	OB-05	OB-07	OB-10	OB-10	OB-11R	OB-12	OB-13	OB-14A
Sample ID		GWQS[1]	OB-1 (052011)	OB-2(051611)	OB-3(151711)	OB-4(051711)	OB-5(051711)	OB-7(051711)	OB-10(051711)	OB-10(051711) DUP	OB-11R(051811)	OB-12(051711)	OB-13(051711)	OB-14A(051911)
Sample Date			5/20/2011	5/16/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/17/2011	5/18/2011	5/17/2011	5/17/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved														
Aluminum	ug/l	200	24.7 B	< 200	91.6 J	< 200	< 7.2	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	**19.5**	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	3.2 B	4.1 B	2.3 B	59.6 B	8.1 B	9.4 B	5.3 B	5.4 B	87 B	2.2 B	2.7 B	319
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	22600	10200	18400	46500	71000	55600	13600	13800	66000	6090	4920 B	113000
Chromium	ug/l	70	< 0.9	< 0.83	< 0.9	< 0.83	< 0.83	< 0.83	< 0.83	< 0.9	< 0.9	< 0.83	< 0.83	< 0.9
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	8.6 B	0.7 B	0.9 B	< 0.3	< 0.3	1.4 J	< 0.3	< 0.3	< 50
Copper	ug/l	1,300	< 0.85	2 B	< 0.85	< 1.9	< 1.9	< 1.9	< 1.9	< 0.85	< 0.85	2.6 B	< 1.9	< 0.85
Iron	ug/l	300	8.4 B	< 100	46.6 J	**12500**	**14700**	**304**	24.5 J	34.8 J	**59000**	< 100	< 100	**23100**
Lead	ug/l	5	< 0.94	< 1.1	< 0.94	< 0.94	< 0.94	1.3 B	< 0.94	< 0.94	2.4 B	< 0.94	< 0.94	< 3
Magnesium	ug/l	NS	4400 B	3570 B	4980 B	12800	36800	22300	3960 B	4020 B	6340	2270 B	1990 B	11100
Manganese	ug/l	50	1.3 B	< 15	8 J	**1420**	**1780**	**1730**	< 15	< 15	**10100**	< 15	< 15	**1400**
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	0.5 B	1 J	< 10	6.4 B	1.2 J	1.4 J	< 0.41	< 0.41	2.2 B	< 10	< 10	2.3 J
Potassium	ug/l	NS	754 B	1120 B	861 B	3150 B	3280 B	2150 B	1090 B	1090 B	2530 B	499 B	763 B	5890 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.66	< 0.72	< 0.66	< 0.66	< 0.66	< 0.66	< 0.72	1 B	< 0.66	< 0.66	0.8 B
Sodium	ug/l	50,000	3370 B	2970 B	3270 B	**97300**	26900	7860 B	3300 B	3400 B	3210 B	2110 B	2440 B	18300
Thallium	ug/l	2 [10]	< 0.17	< 2	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 2	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	< 0.43	< 0.7	< 0.43	< 50	< 50	< 0.7	< 0.7	< 0.43	< 0.43	< 0.7	< 50	< 0.43
Zinc	ug/l	2000	11 B	< 20	< 20	12.6 J	< 20	< 20	9.5 J	< 20	8.8 J	9.6 J	< 20	14.6 B
Other														
Alkalinity, total (as CaCO3)	ug/l	NS	65900	25900	56700	109000	354000	248000	48600	49100	308000	16700	15100	347000
Chloride	ug/l	250000	3800	2100	2200	188000	59000	9400	3600	3700	< 2000	< 2000	2000	22400
Sulfate	ug/l	250000	12700	15600	14400	19200	< 10000	< 10000	< 10000	< 10000	< 10000	10200	< 10000	< 10000

Location ID			OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20A	OB-20B	OB-21	OB-22
Sample ID		GWQS[1]	OB-14B(051911)	OB-15B(052311)	OB-16(051911)	OB-17(051911)	OB-18(051911)	OB-19 (052011)	OB-20A(051811)	OB-20A(051811) DUP	OB-20B(051811)	OB-21(051811)	OB-22(051911)
Sample Date			5/19/2011	5/23/2011	5/19/2011	5/19/2011	5/19/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC													
1,1,1-Trichloroethane	ug/l	30	< 0.2	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.2
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.12	< 0.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.12
1,1,2-Trichloroethane	ug/l	3	< 0.13	< 0.23	< 0.13	< 0.13	< 0.13	< 0.13	< 0.23	< 0.23	< 0.23	< 0.23	< 0.13
1,1-Dichloroethane	ug/l	50	< 0.16	< 0.19	< 0.16	< 0.16	< 0.16	0.54 J	< 0.19	< 0.19	0.36 J	< 0.19	< 0.16
1,1-Dichloroethene	ug/l	1	< 0.24	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24	< 0.28	< 0.28	< 0.28	< 0.28	< 0.24
1,2,4-Trichlorobenzene	ug/l	9	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.2*	< 1.3*	< 1.2*	< 1.2*	< 1.2*	< 1.2*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.2*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.39*	< 0.21*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.39*
1,2-Dichlorobenzene	ug/l	600	< 0.15	< 0.18	< 0.15	< 0.15	< 0.15	< 0.15	< 0.18	< 0.18	< 0.18	< 0.18	< 0.15
1,2-Dichloroethane	ug/l	2	< 0.31	< 0.18	< 0.31	< 0.31	< 0.31	< 0.31	< 0.18	< 0.18	< 0.18	< 0.18	< 0.31
1,2-Dichloropropane	ug/l	1	< 0.23	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.23
1,3-Dichlorobenzene	ug/l	600	< 0.19	< 0.29	< 0.19	< 0.19	< 0.19	< 0.19	< 0.29	< 0.29	< 0.29	< 0.29	< 0.19
1,4-Dichlorobenzene	ug/l	75	< 0.22	< 0.26	< 0.22	< 0.22	< 0.22	< 0.22	< 0.26	< 0.26	< 0.26	< 0.26	< 0.22
2-Butanone (MEK)	ug/l	300	< 1.7	< 2.9	< 1.7	< 1.7	< 1.7	< 1.7	< 2.9	< 2.9	< 2.9	< 2.9	< 1.7
2-Hexanone	ug/l	NS	< 1.9	< 3	< 1.9	< 1.9	< 1.9	< 1.9	< 3	< 3	< 3	< 3	< 1.9
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 0.74	< 1.2	< 0.74	< 0.74	< 0.74	< 0.74	< 1.2	< 1.2	< 1.2	< 1.2	< 0.74
Acetone	ug/l	6000	< 4.4	< 7.6	< 4.4	< 4.4	< 4.4	< 4.4	< 7.6	< 7.6	< 7.6	< 7.6	< 4.4
Benzene	ug/l	1	< 0.26	< 0.22	< 0.26	< 0.26	< 0.26	0.9 J	< 0.22	< 0.22	0.86 J	< 0.22	< 0.26
Bromodichloromethane	ug/l	1	< 0.18	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.23	< 0.23	< 0.23	< 0.18
Bromoform	ug/l	4	< 0.42	< 0.24	< 0.42	< 0.42	< 0.42	< 0.42	< 0.24	< 0.24	< 0.24	< 0.24	< 0.42
Bromomethane	ug/l	10	< 0.24	< 0.31	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.24
Carbon disulfide	ug/l	700	< 0.13	< 0.18	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.18	< 0.18	< 0.18	< 0.13
Carbon tetrachloride	ug/l	1	< 0.35	< 0.19	< 0.35	< 0.35	< 0.35	< 0.35	< 0.19	< 0.19	< 0.19	< 0.19	< 0.35
Chlorobenzene	ug/l	50	< 0.15	< 0.22	< 0.15	< 0.15	< 0.15	0.22 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.15
Chloroethane	ug/l	NS	< 0.25	< 0.37	< 0.25	< 0.25	< 0.25	2.8	< 0.37	< 0.37	1.5	< 0.37	< 0.25
Chloroform	ug/l	70	< 0.14	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21	< 0.21	< 0.21	< 0.21	< 0.14
Chloromethane	ug/l	NS	< 0.34	< 0.22	< 0.34	< 0.34	< 0.34	< 0.34	< 0.22 J	< 0.22 J	< 0.22 J	< 0.22 J	< 0.34
cis-1,2-Dichloroethene	ug/l	70	< 0.24	< 0.22	< 0.24	< 0.24	< 0.24	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24
cis-1,3-Dichloropropene	ug/l	NS	< 0.16	< 0.22	< 0.16	< 0.16	< 0.16	< 0.16	< 0.22	< 0.22	< 0.22	< 0.22	< 0.16
Cyclohexane	ug/l	NS	< 0.43	< 0.29	< 0.43	< 0.43	< 0.43	< 0.43	< 0.29	< 0.29	0.68 J	< 0.29	< 0.43
Dibromochloromethane	ug/l	1	< 0.16	< 0.2	< 0.16	< 0.16	< 0.16	< 0.16	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16
Dichlorodifluoromethane	ug/l	1,000	< 0.39	< 0.31	< 0.39	< 0.39	< 0.39	< 0.39	< 0.31 J	< 0.31 J	< 0.31 J	< 0.31 J	< 0.39
Ethylbenzene	ug/l	700	< 0.31	< 0.21	< 0.31	< 0.31	< 0.31	< 0.31	< 0.21	< 0.21	< 0.21	< 0.21	< 0.31
Freon 113	ug/l	NS	< 0.66	< 0.49	< 0.66	< 0.66	< 0.66	< 0.66	< 0.49	< 0.49	< 0.49	< 0.49	< 0.66
Isopropylbenzene	ug/l	700	< 0.31	< 0.19	< 0.31	< 0.31	< 0.31	0.61 J	< 0.19	< 0.19	0.48 J	< 0.19	< 0.31
Methyl acetate	ug/l	7000	< 1.3	< 2.9	< 1.3	< 1.3	< 1.3	< 1.3	< 2.9	< 2.9	< 2.9	< 2.9	< 1.3
Methyl tert butyl ether	ug/l	70	0.41 J	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2
Methylcyclohexane	ug/l	NS	< 0.16	< 0.18	< 0.16	< 0.16	< 0.16	< 0.16	< 0.18	< 0.18	0.4 J	< 0.18	< 0.16
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.48	< 0.23	< 0.48	< 0.48	< 0.48	< 0.48	< 0.23	< 0.23	< 0.23	< 0.23	< 0.48
Tetrachloroethene	ug/l	1	< 0.24	< 0.32	< 0.24	< 0.24	< 0.24	< 0.24	< 0.32	< 0.32	< 0.32	< 0.32	< 0.24
Toluene	ug/l	1000	< 0.27	< 0.15	< 0.27	< 0.27	< 0.27	< 0.27	< 0.15	< 0.15	< 0.15	< 0.15	< 0.27
Trans-1,2-dichloroethene	ug/l	100	< 0.3	< 0.31	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3
trans-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.19	< 0.22	< 0.22	< 0.22	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.22
Trichloroethene	ug/l	1	< 0.22	< 0.21	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22
Trichlorofluoromethane	ug/l	2000	< 0.23	< 0.35	< 0.23	< 0.23	< 0.23	< 0.23	< 0.35	< 0.35	< 0.35	< 0.35	< 0.23
Vinyl Chloride	ug/l	1	< 0.22	< 0.27	< 0.22	< 0.22	< 0.22	< 0.22	< 0.27	< 0.27	< 0.27	< 0.27	< 0.22
Xylenes	ug/l	1,000	< 0.28	< 0.17	< 0.28	< 0.28	< 0.28	0.36 J	< 0.17	< 0.17	< 0.17	< 0.17	< 0.28
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	0	0	0	0	0

Location ID			OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20A	OB-20B	OB-21	OB-22
Sample ID		GWQS[1]	OB-14B(051911)	OB-15B(052311)	OB-16(051911)	OB-17(051911)	OB-18(051911)	OB-19 (052011)	OB-20A(051811)	OB-20A(051811) DUP	OB-20B(051811)	OB-21(051811)	OB-22(051911)
Sample Date			5/19/2011	5/23/2011	5/19/2011	5/19/2011	5/19/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC													
1,1'-Biphenyl	ug/l	400	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
2,4,5-Trichlorophenol	ug/l	700	< 1.3	< 1.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
2,4,6-Trichlorophenol	ug/l	20	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4-Dichlorophenol	ug/l	20	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4-Dimethylphenol	ug/l	100	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	ug/l	40	< 0.74	< 0.82	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74 J	< 0.74	< 0.74	< 0.74
2,4-Dinitrotoluene	ug/l	NS	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2,6-Dinitrotoluene	ug/l	NS	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chloronaphthalene	ug/l	600	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
2-Chlorophenol	ug/l	40	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	ug/l	NS	< 0.66	< 0.73	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Nitroaniline	ug/l	NS	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Nitrophenol	ug/l	NS	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
3&4-Methylphenol	ug/l	NS	< 1	< 1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3,3'-Dichlorobenzidine	ug/l	30	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
3-Nitroaniline	ug/l	NS	< 0.29	< 0.32	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.51	< 0.57	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
4-Bromophenyl phenyl ether	ug/l	NS	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
4-Chloroaniline	ug/l	30	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
4-Nitroaniline	ug/l	NS	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
4-Nitrophenol	ug/l	NS	< 0.83	< 0.92 J	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Acetophenone	ug/l	700	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Atrazine	ug/l	3	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Benzaldehyde	ug/l	NS	< 0.4	< 0.45	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Benzyl butyl phthalate	ug/l	100	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
bis(2-Chloroethyl)ether	ug/l	7	< 0.31	< 0.34	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	1.4 J
Caprolactam	ug/l	NS	< 0.2	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbazole	ug/l	NS	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Dibenzofuran	ug/l	NS	< 0.3	< 0.34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	ug/l	6000	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	ug/l	NS	< 0.23	< 0.25	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
di-n-butyl phthalate	ug/l	700	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
di-n-octylphthalate	ug/l	100	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Hexachlorobutadiene	ug/l	1	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Hexachlorocyclopentadiene	ug/l	40	< 0.24	< 0.27 J	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Hexachloroethane	ug/l	7	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Isophrone	ug/l	40	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.44	< 0.49	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
N-Nitrosodiphenylamine	ug/l	10	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Phenol	ug/l	2000	< 0.58	< 0.64	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Total TIC, Semi-Volatile	ug/l	NS	5.8 J	0	13 J	4 J	0	4.2 J	0	0	4 J	0	0

Location ID			OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20A	OB-20B	OB-21	OB-22
Sample ID		GWQS[1]	OB-14B(051911)	OB-15B(052311)	OB-16(051911)	OB-17(051911)	OB-18(051911)	OB-19 (052011)	OB-20A(051811)	OB-20A(051811) DUP	OB-20B(051811)	OB-21(051811)	OB-22(051911)
Sample Date			5/19/2011	5/23/2011	5/19/2011	5/19/2011	5/19/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM													
Acenaphthene	ug/l	400	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014
Acenaphthylene	ug/l	NS	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Anthracene	ug/l	2000	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.015	< 0.017	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0049	< 0.0054	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(g,h,i)perylene	ug/l	NS	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	ug/l	0.5	< 0.013	< 0.014	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chrysene	ug/l	5	< 0.023	< 0.026	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.023	< 0.025	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
Fluoranthene	ug/l	300	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Fluorene	ug/l	300	< 0.015	< 0.017	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Hexachlorobenzene	ug/l	0.02 [10]	< 0.008	< 0.0089	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Naphthalene	ug/l	300	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	0.765	< 0.016	< 0.016	0.321	< 0.016	< 0.016
Pentachlorophenol	ug/l	0.3 [1]	< 0.29	< 0.32*	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Phenanthrene	ug/l	NS	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Pyrene	ug/l	200	< 0.0081	< 0.009	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081
PCBs													
PCB 1016	ug/l	0.5	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13
PCB 1221	ug/l	0.5	< 0.28	< 0.27	< 0.27	< 0.27	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.27	< 0.28
PCB 1232	ug/l	0.5	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.41	< 0.41	< 0.41	< 0.41	< 0.39	< 0.39
PCB 1242	ug/l	0.5	< 0.088	< 0.086	< 0.086	< 0.086	< 0.086	< 0.091	< 0.092	< 0.091	< 0.092	< 0.086	< 0.088
PCB 1248	ug/l	0.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15
PCB 1254	ug/l	0.5	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.15	< 0.15	< 0.14	< 0.14
PCB 1260	ug/l	0.5	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.21
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	ug/l	200	**860**	**227**	**492**	< 200	**236**	136 B	**1050 J**	**393 J**	53.3 J	**2990 J**	**528**
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	1.3 B	< 1.3	< 1.3	< 1.3	< 1.3	3.9 J
Arsenic	ug/l	3 [8]	1.6 J	1.2 B	**9.1**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	51.7 B	54.3 B	123 B	4 J	8.9 J	118 B	121 B	122 B	47.9 B	18.9 B	17 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 3	< 0.17	< 0.17	< 0.17	< 0.17	< 3	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	111000	24800	147000	19300	50600	18100	19400	20300	39400	9020	40700
Chromium	ug/l	70	< 10	2.9 B	< 10	< 0.9	< 10	1 B	2.8 J	1.6 J	2.2 J	3.7 J	< 10
Cobalt	ug/l	NS	< 50	< 0.3	< 50	< 50	< 0.3	0.6 B	2.4 J	2.2 J	18.8 B	2.1 J	< 0.3
Copper	ug/l	1,300	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	2.6 B	8.6 B	3.6 J	< 0.85	13.3	< 0.85
Iron	ug/l	300	**1740**	**579**	**16700**	**1350**	278	**20700**	**28100**	**27800**	**27000**	**4040**	**696**
Lead	ug/l	5	4.8 J	2 B	< 3	< 3	< 0.94	3.5	**5.6**	2.8 B	2.5 B	2.8 B	< 0.94
Magnesium	ug/l	NS	31700	5950	20100	5910	10900	2720 B	2400 B	2360 B	7510	4410 B	6250
Manganese	ug/l	50	**2100**	**6880**	**3210**	**165**	6.3 J	**353**	**507**	**534**	**6600**	**184**	15.4
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	3.9 J	30.6	2.8 J	< 10	< 10	3.1 B	6.3 B	5 B	4.7 B	6.1 B	< 10
Potassium	ug/l	NS	3570 B	801 B	10200	756 B	520 J	1230 B	1610 B	1570 B	2220 B	1590 B	3540 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 10
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Sodium	ug/l	50,000	23800	4230 B	34500	6540 B	6130 B	2510 B	2000 B	2040 B	3850 B	3270 B	15300
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	< 50	5.2 B	< 0.43	< 0.43	< 0.43	1.5 B	3.1 B	1.7 B	< 0.43	4.7 B	< 50
Zinc	ug/l	2000	5.5 J	3.6 B	5 J	2.5 J	< 1.7	61.6	48.1	40.3	8.5 J	13.5 J	4.2 J

Location ID			OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20A	OB-20B	OB-21	OB-22
Sample ID		GWQS[1]	OB-14B(051911)	OB-15B(052311)	OB-16(051911)	OB-17(051911)	OB-18(051911)	OB-19 (052011)	OB-20A(051811)	OB-20A(051811) DUP	OB-20B(051811)	OB-21(051811)	OB-22(051911)
Sample Date			5/19/2011	5/23/2011	5/19/2011	5/19/2011	5/19/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved													
Aluminum	ug/l	200	< 200	< 200	< 200	< 200	< 200	21.5 B	< 200	< 200	< 200	73.4 B	< 200
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	3.8 J
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	**6**	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	47.7 B	< 0.44	112 B	3.8 J	7 J	106 B	117 B	120 B	38.4 B	2.7 B	13.7 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	114000	23100	146000	18800	47400	17400	20500	21100	38400	9710	39900
Chromium	ug/l	70	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Cobalt	ug/l	NS	< 50	< 0.3	< 50	< 0.3	< 0.3	0.4 B	2 J	2 J	18.1 B	< 0.3	< 0.3
Copper	ug/l	1,300	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Iron	ug/l	300	97.5 J	< 100	**13900**	106 J	< 100	**4850**	**16500**	**19900**	**20000**	< 100	< 100
Lead	ug/l	5	< 3	< 0.94	< 3	< 3	< 1.1	1 B	1 J	< 0.94	2.2 B	< 0.94	< 1.1
Magnesium	ug/l	NS	32000	5590	19700	5720	10200	2610 B	2290 B	2330 B	7340	4010 B	6020
Manganese	ug/l	50	**2080**	< 0.18	**3260**	**160**	< 15	**340**	**536**	**550**	**6430**	< 15	2.1 J
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	2 J	< 0.41	2.4 J	< 10	< 0.41	2.6 B	3.6 B	4.3 B	3.9 B	0.7 J	< 10
Potassium	ug/l	NS	3470 B	707 B	9890 B	795 B	375 J	1170 B	1500 B	1530 B	2160 B	865 B	3250 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Sodium	ug/l	50,000	24100	4070 B	34200	6390 B	5820 B	2460 B	2010 B	2000 B	3770 B	3530 B	15200
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	< 0.43	0.9 B	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
Zinc	ug/l	2000	3.6 J	10.6 B	8.5 B	15.6 B	3.1 J	33.5	37.9	39.2	8.5 J	10.3 J	5.6 J
Other													
Alkalinity, total (as CaCO3)	ug/l	NS	408000	72900	429000	65300	161000	56200	56200	68000	157000	36700	111000
Chloride	ug/l	250000	51800	< 2000	67200	8300	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	22800
Sulfate	ug/l	250000	< 10000	< 12400	10700	10200	13400	< 10000	< 10000	< 10000	< 10000	< 10000	17500

Location ID			OB-23	OB-24	OB-25	OB-26	OB-27	OB-28	PM AIR SHAFT	PM AIR SHAFT	RW-1
Sample ID		GWQS[1]	OB-23(051911)	OB-24(051911)	OB-25 (052011)	OB-26(051711)	OB-27(051811)	OB-28(051911)	PM AIRSHAFT-180(052411)	PM AIRSHAFT-230(052411)	RW-1(131-141)(052611)
Sample Date			5/19/2011	5/19/2011	5/20/2011	5/17/2011	5/18/2011	5/19/2011	5/24/2011	5/24/2011	5/26/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC											
1,1,1-Trichloroethane	ug/l	30	< 0.2	< 0.2	< 0.2	< 0.2	2.5	< 0.2	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	ug/l	3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	50	< 0.16	< 0.16	< 0.16	< 0.16	**89.3 J**	< 0.16	0.23 J	< 0.19	< 0.19
1,1-Dichloroethene	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	ug/l	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.2*	< 1.2*	< 1.2*	< 1.2*	< 1.2*	< 1.2*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.21*	< 0.21*	< 0.21*
1,2-Dichlorobenzene	ug/l	600	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.18	0.75 J	< 0.18
1,2-Dichloroethane	ug/l	2	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.18	< 0.18	< 0.18
1,2-Dichloropropane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22	< 0.22
1,3-Dichlorobenzene	ug/l	600	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.29	3.4	< 0.29
1,4-Dichlorobenzene	ug/l	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	0.49 J	8.1	< 0.26
2-Butanone (MEK)	ug/l	300	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2.9	< 2.9	< 2.9
2-Hexanone	ug/l	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 3	< 3	< 3
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 1.2	< 1.2	< 1.2
Acetone	ug/l	6000	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 7.6	< 7.6	< 7.6
Benzene	ug/l	1	< 0.26	< 0.26	< 0.26	< 0.26	**6.5**	< 0.26	**2.5**	**33.2**	< 0.22
Bromodichloromethane	ug/l	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.23	< 0.23
Bromoform	ug/l	4	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.24	< 0.24	< 0.24
Bromomethane	ug/l	10	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.31	< 0.31	< 0.31
Carbon disulfide	ug/l	700	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.18	< 0.18	< 0.18
Carbon tetrachloride	ug/l	1	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.19	< 0.19	< 0.19
Chlorobenzene	ug/l	50	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	1	23.8	< 0.22
Chloroethane	ug/l	NS	< 0.25	< 0.25	< 0.25	< 0.25	176	< 0.25	5.3	14	< 0.37
Chloroform	ug/l	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.21	< 0.21	< 0.21
Chloromethane	ug/l	NS	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.22	< 0.22	< 0.22
cis-1,2-Dichloroethene	ug/l	70	< 0.24	< 0.24	< 0.24	< 0.24	0.46 J	< 0.24	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.22	< 0.22	< 0.22
Cyclohexane	ug/l	NS	< 0.43	< 0.43	< 0.43	< 0.43	1.9 J	< 0.43	< 0.29	3.6 J	< 0.29
Dibromochloromethane	ug/l	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	ug/l	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.31	< 0.31	< 0.31
Ethylbenzene	ug/l	700	< 0.31	< 0.31	< 0.31	< 0.31	2.7	< 0.31	0.52 J	< 0.21	< 0.21
Freon 113	ug/l	NS	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.49	< 0.49	< 0.49
Isopropylbenzene	ug/l	700	< 0.31	< 0.31	< 0.31	< 0.31	4.4	< 0.31	1.4 J	14.6	< 0.19
Methyl acetate	ug/l	7000	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2.9	< 2.9	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	< 0.18	< 0.18
Methylcyclohexane	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	1.4 J	< 0.16	< 0.18	1.1 J	< 0.18
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	1.2 J	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.23	< 0.23	< 0.23
Tetrachloroethene	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.32	< 0.32	< 0.32
Toluene	ug/l	1000	< 0.27	< 0.27	< 0.27	< 0.27	1.5	< 0.27	< 0.15	0.3 J	< 0.15
Trans-1,2-dichloroethene	ug/l	100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31	< 0.31	< 0.31
trans-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.19	< 0.19	< 0.19
Trichloroethene	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.21	< 0.21
Trichlorofluoromethane	ug/l	2000	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.35	< 0.35	< 0.35
Vinyl Chloride	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.27	< 0.27	< 0.27
Xylenes	ug/l	1,000	< 0.28	< 0.28	< 0.28	< 0.28	17.9	< 0.28	1.2	3.7	< 0.17
Total TIC, Volatile	ug/l	NS	16.9 J	0	0	0	72.8 J	0	0	20.4 J	0

Location ID			OB-23	OB-24	OB-25	OB-26	OB-27	OB-28	PM AIR SHAFT	PM AIR SHAFT	RW-1
Sample ID		GWQS[1]	OB-23(051911)	OB-24(051911)	OB-25 (052011)	OB-26(051711)	OB-27(051811)	OB-28(051911)	PM AIRSHAFT-180(052411)	PM AIRSHAFT-230(052411)	RW-1(131-141)(052611)
Sample Date			5/19/2011	5/19/2011	5/20/2011	5/17/2011	5/18/2011	5/19/2011	5/24/2011	5/24/2011	5/26/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC											
1,1'-Biphenyl	ug/l	400	< 0.42	< 0.42	< 0.47	< 0.45	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
2,4,5-Trichlorophenol	ug/l	700	< 1.3	< 1.3	< 1.5	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
2,4,6-Trichlorophenol	ug/l	20	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4-Dichlorophenol	ug/l	20	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
2,4-Dimethylphenol	ug/l	100	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	ug/l	40	< 0.74	< 0.74	< 0.82	< 0.79	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
2,4-Dinitrotoluene	ug/l	NS	< 0.22	< 0.22	< 0.24	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2,6-Dinitrotoluene	ug/l	NS	< 0.33	< 0.33	< 0.36	< 0.35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chloronaphthalene	ug/l	600	< 0.42	< 0.42	< 0.46	< 0.45	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
2-Chlorophenol	ug/l	40	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	ug/l	NS	< 0.66	< 0.66	< 0.73	< 0.71	0.88 J	< 0.66	< 0.66	< 0.66	< 0.66
2-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Nitroaniline	ug/l	NS	< 0.24	< 0.24	< 0.26	< 0.25	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Nitrophenol	ug/l	NS	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
3&4-Methylphenol	ug/l	NS	< 1	< 1	< 1.2	< 1.1	< 1	< 1	< 1	< 1	< 1
3,3'-Dichlorobenzidine	ug/l	30	< 0.3	< 0.3	< 0.33	< 0.32	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
3-Nitroaniline	ug/l	NS	< 0.29	< 0.29	< 0.32	< 0.31	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.51	< 0.51	< 0.57	< 0.55	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
4-Bromophenyl phenyl ether	ug/l	NS	< 0.35	< 0.35	< 0.39	< 0.38	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
4-Chloroaniline	ug/l	30	< 0.25	< 0.25	< 0.28	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.35	< 0.35	< 0.39	< 0.38	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
4-Nitroaniline	ug/l	NS	< 0.18	< 0.18	< 0.2	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
4-Nitrophenol	ug/l	NS	< 0.83	< 0.83	< 0.92	< 0.89	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Acetophenone	ug/l	700	< 0.4	< 0.4	< 0.44	< 0.43	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Atrazine	ug/l	3	< 0.39	< 0.39	< 0.43	< 0.42	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Benzaldehyde	ug/l	NS	< 0.4	< 0.4	< 0.45	< 0.43	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Benzyl butyl phthalate	ug/l	100	< 0.25	< 0.25	< 0.28	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.25	< 0.25	< 0.28	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
bis(2-Chloroethyl)ether	ug/l	7	< 0.31	< 0.31	< 0.34	< 0.33	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.39	< 0.39	< 0.43	< 0.42	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.33	< 0.33	< 0.36	< 0.35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Caprolactam	ug/l	NS	< 0.2	< 0.2	< 0.22	< 0.21	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbazole	ug/l	NS	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Dibenzofuran	ug/l	NS	0.86 J	< 0.3	< 0.34	< 0.33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	ug/l	6000	< 0.17	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	ug/l	NS	< 0.23	< 0.23	< 0.25	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
di-n-butyl phthalate	ug/l	700	< 0.19	< 0.19	< 0.21	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
di-n-octylphthalate	ug/l	100	< 0.4	< 0.4	< 0.44	< 0.42	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Hexachlorobutadiene	ug/l	1	< 0.13	< 0.13	< 0.14	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Hexachlorocyclopentadiene	ug/l	40	< 0.24	< 0.24	< 0.27	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Hexachloroethane	ug/l	7	< 0.21	< 0.21	< 0.23	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Isophrone	ug/l	40	< 0.25	< 0.25	< 0.28	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene	ug/l	300	NA	NA	NA	NA	7.4	NA	NA	7.1	NA
Nitrobenzene	ug/l	6	< 0.25	< 0.25	< 0.28	< 0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.44	< 0.44	< 0.49	< 0.47	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
N-Nitrosodiphenylamine	ug/l	10	< 0.22	< 0.22	< 0.24	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Phenol	ug/l	2000	< 0.58	< 0.58	< 0.64	< 0.62	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Total TIC, Semi-Volatile	ug/l	NS	201.1 J	0	0	0	91.5 J	8.5 J	0	177.4 J	0

Location ID			OB-23	OB-24	OB-25	OB-26	OB-27	OB-28	PM AIR SHAFT	PM AIR SHAFT	RW-1
Sample ID		GWQS[1]	OB-23(051911)	OB-24(051911)	OB-25 (052011)	OB-26(051711)	OB-27(051811)	OB-28(051911)	PM AIRSHAFT-180(052411)	PM AIRSHAFT-230(052411)	RW-1(131-141)(052611)
Sample Date			5/19/2011	5/19/2011	5/20/2011	5/17/2011	5/18/2011	5/19/2011	5/24/2011	5/24/2011	5/26/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM											
Acenaphthene	ug/l	400	1.83	< 0.014	< 0.015	< 0.015	0.566	< 0.014	< 0.014	0.356	< 0.014
Acenaphthylene	ug/l	NS	< 0.016	< 0.016	< 0.018	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Anthracene	ug/l	2000	< 0.01	< 0.01	< 0.011	< 0.011	0.138	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.015	< 0.015	< 0.017	< 0.016	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0049	< 0.0049	< 0.0054	< 0.0053	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.016	< 0.016	< 0.018	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Benzo(g,h,i)perylene	ug/l	NS	< 0.01	< 0.01	< 0.011	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	ug/l	0.5	< 0.013	< 0.013	< 0.014	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Chrysene	ug/l	5	< 0.023	< 0.023	< 0.026	< 0.025	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.023	< 0.023	< 0.025	< 0.024	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
Fluoranthene	ug/l	300	< 0.0096	< 0.0096	< 0.011	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Fluorene	ug/l	300	0.865	< 0.015	< 0.017	< 0.016	0.576	< 0.015	< 0.015	0.199	< 0.015
Hexachlorobenzene	ug/l	0.02 [10]	< 0.008	< 0.008	< 0.0089	< 0.0086	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011
Naphthalene	ug/l	300	0.207	< 0.016	< 0.018	< 0.017	NA	< 0.016	0.804	NA	< 0.016
Pentachlorophenol	ug/l	0.3 [1]	< 0.29	< 0.29	< 0.32*	< 0.31*	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Phenanthrene	ug/l	NS	0.268	< 0.016	< 0.017	< 0.017	0.689	< 0.016	< 0.016	0.104	0.539
Pyrene	ug/l	200	< 0.0081	< 0.0081	< 0.009	< 0.0087	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081
PCBs											
PCB 1016	ug/l	0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13
PCB 1221	ug/l	0.5	< 0.29	< 0.28	< 0.29	< 0.27	< 0.27	< 0.3	< 0.27	< 0.27	< 0.27
PCB 1232	ug/l	0.5	< 0.41	< 0.4	< 0.41	< 0.39	< 0.39	< 0.42	< 0.39	< 0.39	< 0.39
PCB 1242	ug/l	0.5	< 0.091	< 0.09	< 0.091	< 0.086	< 0.086	< 0.095	< 0.086	< 0.086	< 0.086
PCB 1248	ug/l	0.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15
PCB 1254	ug/l	0.5	< 0.15	< 0.15	< 0.15	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14
PCB 1260	ug/l	0.5	< 0.22	< 0.22	< 0.22	< 0.21	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0	0
Metals - Total											
Aluminum	ug/l	200	69 J	**513**	**1770**	**834**	NA	**25300**	66.1 J	71.6 J	64.5 J
Antimony	ug/l	6	2.9 J	< 1.3	< 1.3	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	NA	**9.8**	< 0.92	< 0.92	2.3 B
Barium	ug/l	2000	494	46.1 B	29.9 B	17.2 B	NA	154 B	148 B	512	26.5 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 1	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 3	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	136000	97000	36800	6710	NA	124000	20600	106000	32200
Chromium	ug/l	70	< 10	< 0.9	1.6 B	< 10	NA	36.6	< 0.9	< 10	< 0.9
Cobalt	ug/l	NS	< 50	< 50	0.7 B	< 0.3	NA	17.4 B	< 50	< 50	0.5 B
Copper	ug/l	1,300	2.4 B	< 0.85	11.5	1.1 B	NA	52.4	5.2 J	< 10	< 0.85
Iron	ug/l	300	**47500**	**1110**	**2410**	**807**	NA	**40300**	**22400**	**132000**	**2610**
Lead	ug/l	5	**5.5 J**	4.2 J	4.2	< 0.94	NA	**24.4**	2.5 B	2.2 B	< 0.94
Magnesium	ug/l	NS	15600	25000	7700	2090 B	NA	34300	2480 B	11900	4320 B
Manganese	ug/l	50	**2360**	**1450**	**65.5**	20.5 J	NA	**3680**	**362**	**2350**	**210**
Mercury	ug/l	2	< 0.088	0.095 B	< 0.088	< 0.088	< 0.088	0.16 B	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	4.8 J	< 10	3.9 B	1.1 J	NA	45.2	2 J	4.3 B	< 10
Potassium	ug/l	NS	10700	2220 B	5730 B	757 B	NA	6940 B	1650 B	8470 B	1320 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	1.1 B	< 0.72	< 0.72	< 0.72	< 0.72	1.3 B	< 0.72	2.5 B	< 0.72
Sodium	ug/l	50,000	**63500**	15400	41100	2010 B	NA	19300	3910 B	33500	**55400**
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 2	< 0.17	< 0.17	< 2	< 0.17
Vanadium	ug/l	NS	< 0.43	2.5 J	2.6 B	< 50	NA	43.6 B	< 50	< 50	< 0.43
Zinc	ug/l	2000	63.9	2.9 J	19.6 B	14.3 J	NA	101	116	57.7	< 20

Location ID			OB-23	OB-24	OB-25	OB-26	OB-27	OB-28	PM AIR SHAFT	PM AIR SHAFT	RW-1
Sample ID		GWQS[1]	OB-23(051911)	OB-24(051911)	OB-25 (052011)	OB-26(051711)	OB-27(051811)	OB-28(051911)	PM AIRSHAFT-180(052411)	PM AIRSHAFT-230(052411)	RW-1(131-141)(052611)
Sample Date			5/19/2011	5/19/2011	5/20/2011	5/17/2011	5/18/2011	5/19/2011	5/24/2011	5/24/2011	5/26/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved											
Aluminum	ug/l	200	< 200	< 200	34.1 B	54.6 J	NA	< 200	< 200	83.3 J	< 200
Antimony	ug/l	6	2.1 J	< 1.3	1.5 B	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	NA	< 0.92	< 0.92	< 0.92	1 B
Barium	ug/l	2000	378	39.1 B	22.5 B	12.1 B	NA	48.5 B	129 B	293	24 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	132000	97700	40400	6390	NA	126000	19300	101000	35100
Chromium	ug/l	70	< 0.9	< 0.9	< 0.9	< 0.83	NA	< 0.9	< 0.9	< 0.9	< 0.9
Cobalt	ug/l	NS	< 50	< 0.3	< 0.3	< 0.3	NA	< 50	< 50	< 50	1.1 B
Copper	ug/l	1,300	< 0.85	< 0.85	5.3 B	< 1.9	NA	< 0.85	< 0.85	< 0.85	< 0.85
Iron	ug/l	300	**22200**	< 100	45.4 B	60.2 J	NA	< 100	**5930**	**83700**	89.3 B
Lead	ug/l	5	< 3	< 3	< 0.94	< 0.94	NA	4 J	< 0.94	1.3 B	< 0.94
Magnesium	ug/l	NS	15200	25000	7960	1860 B	NA	28200	2330 B	11600	4650 B
Manganese	ug/l	50	**2250**	46	2.6 B	2.3 J	NA	**3070**	**338**	**2270**	**213**
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	3.7 J	< 10	1 B	< 10	NA	2.9 J	1.6 J	3.3 J	< 10
Potassium	ug/l	NS	10500	2200 B	5980 B	595 B	NA	3290 B	1630 B	8250 B	1340 B
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.66	< 0.72	< 0.72	< 0.72	1.2 B	< 0.72
Sodium	ug/l	50,000	**61500**	15500	45400	1900 B	NA	20100	3720 B	32900	**53200**
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 2	< 0.17	< 0.17	< 2	< 0.17
Vanadium	ug/l	NS	< 0.43	< 50	< 0.43	< 0.7	NA	< 0.43	< 0.43	< 0.43	< 0.43
Zinc	ug/l	2000	14.3 B	5.1 J	19.6 B	15.9 J	NA	13 B	74.1	68.4	< 20
Other											
Alkalinity, total (as CaCO3)	ug/l	NS	408000	215000	124000	13000	125000	329000	50200	497000	126000
Chloride	ug/l	250000	81300	88100	68800	< 2000	2100	82500	2200	11700	4200
Sulfate	ug/l	250000	10300	30000	13000	< 10000	< 10000	29800	< 10000	< 10000	103000

Location ID			RW-1	RW-2	RW-2	RW-3	RW-3D	RW-3D	RW-3D	RW-4
Sample ID		GWQS[1]	RW-1(64-74)(052611)	RW-2(279-289)(052411)	RW-2(452-462)	RW-3(052511)	RW-3D(140-165)(052411)	RW-3D(170-181)(052411)	RW-3D(170-181)(052411) DUP	RW-4(393-403)(052511)
Sample Date			5/26/2011	5/24/2011	6/3/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final
VOC										
1,1,1-Trichloroethane	ug/l	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	ug/l	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	50	< 0.19	< 0.19	< 0.19	0.36 J	0.82 J	0.82 J	0.81 J	< 0.19
1,1-Dichloroethene	ug/l	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	ug/l	9	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*
1,2-Dichlorobenzene	ug/l	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/l	2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloropropane	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
1,3-Dichlorobenzene	ug/l	600	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,4-Dichlorobenzene	ug/l	75	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
2-Butanone (MEK)	ug/l	300	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
2-Hexanone	ug/l	NS	< 3	< 3	< 3	< 3 J	< 3	< 3	< 3	< 3 J
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Acetone	ug/l	6000	< 7.6	36.2	70.9	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
Benzene	ug/l	1	< 0.22	< 0.22	0.24 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromodichloromethane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromoform	ug/l	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromomethane	ug/l	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	ug/l	700	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Carbon tetrachloride	ug/l	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	ug/l	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	2.9	2.7	2.9	< 0.37
Chloroform	ug/l	70	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,2-Dichloroethene	ug/l	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	ug/l	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Ethylbenzene	ug/l	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Isopropylbenzene	ug/l	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	ug/l	7000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Tetrachloroethene	ug/l	1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Toluene	ug/l	1000	< 0.15	0.24 J	0.63 J	< 0.15	0.98 J	1.6	2	< 0.15
Trans-1,2-dichloroethene	ug/l	100	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
trans-1,3-Dichloropropene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichlorofluoromethane	ug/l	2000	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	ug/l	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Xylenes	ug/l	1,000	< 0.17	< 0.17	< 0.17	< 0.17	0.28 J	0.45 J	0.63 J	< 0.17
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	0	23 J

Location ID			RW-1	RW-2	RW-2	RW-3	RW-3D	RW-3D	RW-3D	RW-4
Sample ID		GWQS[1]	RW-1(64-74)(052611)	RW-2(279-289)(052411)	RW-2(452-462)	RW-3(052511)	RW-3D(140-165)(052411)	RW-3D(170-181)(052411)	RW-3D(170-181)(052411) DUP	RW-4(393-403)(052511)
Sample Date			5/26/2011	5/24/2011	6/3/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final
SVOC										
1,1'-Biphenyl	ug/l	400	< 0.42	< 0.45	< 0.47	< 0.45	< 0.5	< 0.48	< 0.48	< 0.47
2,4,5-Trichlorophenol	ug/l	700	< 1.3	< 1.4	< 1.5	< 1.4	< 1.6	< 1.5	< 1.5	< 1.5
2,4,6-Trichlorophenol	ug/l	20	< 1.2	< 1.3	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.4
2,4-Dichlorophenol	ug/l	20	< 1.2	< 1.3	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.4
2,4-Dimethylphenol	ug/l	100	< 1.7	< 1.8	< 1.8	< 1.8	< 2	< 1.9	< 1.9	< 1.9
2,4-Dinitrophenol	ug/l	40	< 0.74	< 0.79	< 0.82	< 0.79	< 0.88	< 0.84	< 0.85	< 0.83
2,4-Dinitrotoluene	ug/l	NS	< 0.22	< 0.24	< 0.24	< 0.24	< 0.26	< 0.25	< 0.25	< 0.25
2,6-Dinitrotoluene	ug/l	NS	< 0.33	< 0.35	< 0.36	< 0.35	< 0.39	< 0.37	< 0.37	< 0.37
2-Chloronaphthalene	ug/l	600	< 0.42	< 0.45	< 0.46	< 0.45	< 0.5	< 0.47	< 0.48	< 0.47
2-Chlorophenol	ug/l	40	< 1.1	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2
2-Methylnaphthalene	ug/l	NS	< 0.66	< 0.71	< 0.73	< 0.71	< 0.78	< 0.75	< 0.76	< 0.74
2-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.3
2-Nitroaniline	ug/l	NS	< 0.24	< 0.25	< 0.26	< 0.25	< 0.28	< 0.27	< 0.27	< 0.26
2-Nitrophenol	ug/l	NS	< 1.2	< 1.3	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.4
3&4-Methylphenol	ug/l	NS	< 1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2
3,3'-Dichlorobenzidine	ug/l	30	< 0.3	< 0.32	< 0.33	< 0.32	< 0.35	< 0.34	< 0.34	< 0.33
3-Nitroaniline	ug/l	NS	< 0.29	< 0.31	< 0.32	< 0.31	< 0.34	< 0.33	< 0.33	< 0.32
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.51	< 0.55	< 0.57	< 0.55	< 0.61	< 0.58	< 0.59	< 0.58
4-Bromophenyl phenyl ether	ug/l	NS	< 0.35	< 0.38	< 0.39	< 0.38	< 0.42	< 0.4	< 0.4	< 0.39
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.2	< 1.1	< 1.3	< 1.2	< 1.2	< 1.2
4-Chloroaniline	ug/l	30	< 0.25	< 0.27	< 0.28	< 0.27	< 0.3	< 0.29	< 0.29	< 0.28
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.35	< 0.38	< 0.39	< 0.38	< 0.42	< 0.4	< 0.41	< 0.4
4-Nitroaniline	ug/l	NS	< 0.18	< 0.19	< 0.2	< 0.19	< 0.21	< 0.2	< 0.2	< 0.2
4-Nitrophenol	ug/l	NS	< 0.83	< 0.89	< 0.92	< 0.89	< 0.99	< 0.94	< 0.95	< 0.93
Acetophenone	ug/l	700	< 0.4	< 2.2	1.1 J	< 1.9	< 0.48	< 0.45	< 0.46	< 19.8
Atrazine	ug/l	3	< 0.39	< 0.42	< 0.43	< 0.42	< 0.47	< 0.44	< 0.45	< 0.44
Benzaldehyde	ug/l	NS	< 0.4	< 0.43	< 0.45	< 0.43	< 0.48	< 0.46	< 0.46	< 0.45
Benzyl butyl phthalate	ug/l	100	< 0.25	< 0.27	< 0.28	< 0.27	< 0.3	< 0.29	< 0.29	< 0.28
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.25	< 0.27	< 0.28	< 0.27	< 0.3	< 0.28	< 0.29	< 0.28
bis(2-Chloroethyl)ether	ug/l	7	< 0.31	< 0.33	< 0.34	< 0.33	< 0.37	< 0.35	< 0.36	< 0.35
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.39	< 0.42	< 0.43	< 0.42	< 0.46	< 0.44	< 0.45	< 0.44
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.33	< 0.35	< 0.36	< 0.35	2.4	1.5 J	1.9 J	< 0.37
Caprolactam	ug/l	NS	< 0.2	< 0.21	< 0.22	< 0.21	< 0.23	< 0.22	< 0.22	< 0.22
Carbazole	ug/l	NS	< 0.17	< 0.18	< 0.18	< 0.18	< 0.2	< 0.19	< 0.19	< 0.19
Dibenzofuran	ug/l	NS	< 0.3	< 0.33	< 0.34	< 0.33	< 0.36	< 0.35	< 0.35	< 0.34
Diethyl phthalate	ug/l	6000	< 0.17	< 0.18	< 0.18	< 0.18	< 0.2	< 0.19	< 0.19	< 0.19
Dimethyl phthalate	ug/l	NS	< 0.23	< 0.24	< 0.25	< 0.24	< 0.27	< 0.26	< 0.26	< 0.25
di-n-butyl phthalate	ug/l	700	< 0.19	< 0.21	< 0.21	4	< 0.23	< 0.22	< 0.22	< 0.21
di-n-octylphthalate	ug/l	100	< 0.4	< 0.42	< 0.44	< 0.42	< 0.47	< 0.45	< 0.45	< 0.44
Hexachlorobutadiene	ug/l	1	< 0.13	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.15	< 0.14
Hexachlorocyclopentadiene	ug/l	40	< 0.24	< 0.26	< 0.27	< 0.26	< 0.29	< 0.28	< 0.28	< 0.27
Hexachloroethane	ug/l	7	< 0.21	< 0.22	< 0.23	< 0.22	< 0.25	< 0.24	< 0.24	< 0.23
Isophrone	ug/l	40	< 0.25	< 0.27	< 0.28	< 0.27	12.5	4.9	5.9	< 0.28
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.25	< 0.27	< 0.28	< 0.27	< 0.3	< 0.29	< 0.29	< 0.28
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.44	< 0.47	< 0.49	< 0.47	< 0.52	< 0.5	< 0.5	< 0.49
N-Nitrosodiphenylamine	ug/l	10	< 0.22	< 0.23	< 0.24	< 0.23	< 0.26	< 0.24	< 0.25	< 0.24
Phenol	ug/l	2000	< 0.58	< 0.62	5.1	< 0.62	5.7	< 0.66	< 0.66	< 0.65
Total TIC, Semi-Volatile	ug/l	NS	0	41.8 J	19.3 J	13 J	182.6 J	110 J	130 J	0

Location ID			RW-1	RW-2	RW-2	RW-3	RW-3D	RW-3D	RW-3D	RW-4
Sample ID		GWQS[1]	RW-1(64-74)(052611)	RW-2(279-289)(052411)	RW-2(452-462)	RW-3(052511)	RW-3D(140-165)(052411)	RW-3D(170-181)(052411)	RW-3D(170-181)(052411) DUP	RW-4(393-403)(052511)
Sample Date			5/26/2011	5/24/2011	6/3/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM										
Acenaphthene	ug/l	400	< 0.014	< 0.015	< 0.015	< 0.015	< 0.016	< 0.016	< 0.016	< 0.015
Acenaphthylene	ug/l	NS	< 0.016	< 0.017	< 0.018	< 0.017	< 0.019	< 0.018	< 0.019	< 0.018
Anthracene	ug/l	2000	< 0.01	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.015	< 0.016	< 0.017	< 0.016	< 0.018	< 0.017	< 0.017	< 0.017
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0049	< 0.0053	< 0.0054	< 0.0053	< 0.0058	< 0.0056	< 0.0056	< 0.0055
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.016	< 0.018	< 0.018	< 0.018	< 0.019	< 0.019	< 0.019	< 0.018
Benzo(g,h,i)perylene	ug/l	NS	< 0.01	< 0.011	< 0.011	< 0.011	< 0.012	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	ug/l	0.5	< 0.013	< 0.013	< 0.014	< 0.013	< 0.015	< 0.014	< 0.014	< 0.014
Chrysene	ug/l	5	< 0.023	< 0.025	< 0.026	< 0.025	< 0.028	< 0.026	< 0.027	< 0.026
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.023	< 0.024	< 0.025	< 0.024	< 0.027	< 0.026	< 0.026	< 0.025
Fluoranthene	ug/l	300	< 0.0096	< 0.01	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011
Fluorene	ug/l	300	< 0.015	< 0.016	< 0.017	< 0.016	< 0.018	< 0.017	< 0.017	< 0.017
Hexachlorobenzene	ug/l	0.02 [10]	< 0.008	< 0.0086	< 0.0089	< 0.0086	< 0.0095	< 0.0091	< 0.0092	< 0.009
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.011	< 0.011	< 0.012	< 0.011	< 0.013	< 0.012	< 0.012	< 0.012
Naphthalene	ug/l	300	< 0.016	< 0.017	< 0.018	< 1.22	< 0.019	< 0.018	< 0.019	< 2.17
Pentachlorophenol	ug/l	0.3 [1]	< 0.29	< 0.31*	< 0.32*	< 0.31*	< 0.34*	< 0.32*	< 0.33*	< 0.32*
Phenanthrene	ug/l	NS	< 0.016	0.616	0.369	< 0.017	< 0.019	< 0.018	< 0.018	< 0.018
Pyrene	ug/l	200	< 0.0081	< 0.0087	< 0.009	< 0.0087	< 0.0096	< 0.0092	< 0.0093	< 0.0091
PCBs										
PCB 1016	ug/l	0.5	< 0.13	< 0.16	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14
PCB 1221	ug/l	0.5	< 0.28	< 0.33	< 0.3	< 0.29	< 0.31	< 0.3	< 0.3	< 0.3
PCB 1232	ug/l	0.5	< 0.4	< 0.48	< 0.43	< 0.42	< 0.44	< 0.43	< 0.43	< 0.43
PCB 1242	ug/l	0.5	< 0.09	< 0.11	< 0.096	< 0.093	< 0.098	< 0.096	< 0.096	< 0.095
PCB 1248	ug/l	0.5	< 0.15	< 0.18	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
PCB 1254	ug/l	0.5	< 0.15	< 0.17	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16
PCB 1260	ug/l	0.5	< 0.22	< 0.26	< 0.23	< 0.23	< 0.24	< 0.23	< 0.23	< 0.23
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0
Metals - Total										
Aluminum	ug/l	200	**537**	**674**	**216 J**	47.5 J	148 J	128 J	145 J	150 B
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	**4**	< 0.92	< 3	< 0.92	< 0.92	< 0.92	1.6 B	< 3
Barium	ug/l	2000	5.8 B	77.4 B	86.8 B	31 B	30.6 B	39.8 B	39.4 B	16.2 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 3	< 3	< 0.17	< 0.17
Calcium	ug/l	NS	37700	175000	214000	40100	56500	57300	57800	17400
Chromium	ug/l	70	1.7 J	8.1 B	**73.5**	< 0.9	2.9 J	4.4 J	4.6 J	< 10
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 50	< 50	< 0.3
Copper	ug/l	1,300	< 0.85	< 10	< 10	< 0.85	3.6 J	8.6 J	6.2 J	< 0.85
Iron	ug/l	300	17.7 B	163	**625**	37.9 J	**3840**	**4610**	**4520**	150
Lead	ug/l	5	< 0.94	< 0.94	< 3	< 0.94	1.5 B	1.9 B	1.5 B	< 3
Magnesium	ug/l	NS	1200 B	< 5000	63.3 B	11200	15400	15800	16000	5150
Manganese	ug/l	50	< 0.18	< 0.18	< 15	**109**	**133**	**190**	**178**	< 15
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	< 0.41	12.5	11.9	1.3 J	5.5 B	11.9	12.2	5.7 B
Potassium	ug/l	NS	1230 B	77100	291000	1640 B	2060 B	2080 B	2060 B	2430 B
Selenium	ug/l	40	< 1.5	< 10	5.8 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Sodium	ug/l	50,000	5380 B	**152000**	**406000**	5860 B	7790 B	7920 B	7950 B	7400 B
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 2	< 0.17	< 2	< 2	< 0.17	< 0.17
Vanadium	ug/l	NS	6.3 B	11.4 J	28.8 B	< 50	< 50	< 50	< 50	< 50
Zinc	ug/l	2000	< 1.7	8.3 J	< 20	< 20	1790	1500	1440	8 J

Location ID			RW-1	RW-2	RW-2	RW-3	RW-3D	RW-3D	RW-3D	RW-4
Sample ID		GWQS[1]	RW-1(64-74)(052611)	RW-2(279-289)(052411)	RW-2(452-462)	RW-3(052511)	RW-3D(140-165)(052411)	RW-3D(170-181)(052411)	RW-3D(170-181)(052411) DUP	RW-4(393-403)(052511)
Sample Date			5/26/2011	5/24/2011	6/3/2011	5/25/2011	5/24/2011	5/24/2011	5/24/2011	5/25/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved										
Aluminum	ug/l	200	**446**	**671**	134 J	39.3 J	< 200	< 200	< 200	57.1 J
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	**3.2**	< 0.92	2.2 J	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	5.8 B	79.7 B	52.4 B	31.4 B	29.6 B	35.6 B	32.3 B	15 B
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	37200	181000	140000	41300	55700	56200	55700	16700
Chromium	ug/l	70	1.4 J	7.2 B	27.5	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 0.3	< 0.3
Copper	ug/l	1,300	< 0.85	< 10	< 10	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Iron	ug/l	300	12.8 B	160	**392**	< 100	53.1 J	62 J	49.9 J	< 100
Lead	ug/l	5	< 3	< 0.94	< 3	< 0.94	< 0.94	< 0.94	< 0.94	< 3
Magnesium	ug/l	NS	885 B	< 5000	< 17	11600	15200	15500	15400	5260
Manganese	ug/l	50	< 0.18	< 0.18	< 0.18	**109**	**120**	**168**	**140**	< 0.18
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	21.8 J	12.6	11.8	1.6 J	4.1 B	10.1	5.6 B	< 10
Potassium	ug/l	NS	1200 B	76200	189000	1660 B	2030 B	2040 B	1980 B	2450 B
Selenium	ug/l	40	< 1.5	< 10	5.7 B	< 1.5	< 10	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Sodium	ug/l	50,000	5080 B	**157000**	**384000**	6030 B	7710 B	7780 B	7750 B	7590 B
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 2	< 0.17	< 2	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	6.1 B	11.3 J	42.8 B	< 50	< 0.43	< 0.43	< 0.43	< 50
Zinc	ug/l	2000	< 20	7.9 J	< 20	15.2 B	1360	977	855	10.1 J
Other										
Alkalinity, total (as CaCO3)	ug/l	NS	63700	475000	261000	153000	201000	200000	200000	66400
Chloride	ug/l	250000	2400	**380000**	**676000**	5600	8800	8400	8300	2100
Sulfate	ug/l	250000	47300	46500	182000	< 10000	< 10000	< 10000	< 10000	18600

Location ID			RW-4	RW-4A	RW-4A	RW-5	RW-5A	RW-6	RW-6A	RW-7	RW-8	RW-8
Sample ID		GWQS[1]	RW-4 (333-343)	RW-4A(113-123)(052511)	RW-4A(62-72)(052511)	RW-5 (052011)	RW-5A(051811)	RW-6(051811)	RW-6A(051811)	RW-7(051811)	RW-8(163-173)(053111)	RW-8(163-173)(060111)
Sample Date			6/7/2011	5/25/2011	5/25/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC												
1,1,1-Trichloroethane	ug/l	30	< 0.24	< 0.24	< 0.24	< 0.2	< 0.24	< 0.2	< 0.24	< 0.24	< 0.24	NA
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.12	< 0.2	< 0.12	< 0.2	< 0.2	< 0.2	NA
1,1,2-Trichloroethane	ug/l	3	< 0.23	< 0.23	< 0.23	< 0.13	< 0.23	< 0.13	< 0.23	< 0.23	< 0.23	NA
1,1-Dichloroethane	ug/l	50	< 0.19	< 0.19	< 0.19	< 0.16	< 0.19	0.7 J	0.52 J	< 0.19	< 0.19	NA
1,1-Dichloroethene	ug/l	1	< 0.28	< 0.28	< 0.28	< 0.24	< 0.28	< 0.24	< 0.28	< 0.28	< 0.28	NA
1,2,4-Trichlorobenzene	ug/l	9	< 0.15	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15	NA
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.2*	< 1.3*	< 1.2*	< 1.3*	< 1.3*	< 1.3*	NA
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.21*	< 0.21*	< 0.21*	< 0.39*	< 0.21*	< 0.39*	< 0.21*	< 0.21*	< 0.21*	NA
1,2-Dichlorobenzene	ug/l	600	< 0.18	< 0.18	< 0.18	< 0.15	< 0.18	< 0.15	< 0.18	< 0.18	< 0.18	NA
1,2-Dichloroethane	ug/l	2	< 0.18	< 0.18	< 0.18	< 0.31	< 0.18	< 0.31	< 0.18	< 0.18	< 0.18	NA
1,2-Dichloropropane	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	NA
1,3-Dichlorobenzene	ug/l	600	< 0.29	< 0.29	< 0.29	< 0.19	< 0.29	< 0.19	< 0.29	< 0.29	< 0.29	NA
1,4-Dichlorobenzene	ug/l	75	< 0.26	< 0.26	< 0.26	< 0.22	< 0.26	< 0.22	< 0.26	< 0.26	< 0.26	NA
2-Butanone (MEK)	ug/l	300	< 2.9	< 2.9	< 2.9	< 1.7	< 2.9	< 1.7	< 2.9	< 2.9	< 2.9	NA
2-Hexanone	ug/l	NS	< 3	< 3 J	< 3 J	< 1.9	< 3	< 1.9	< 3	< 3	< 3	NA
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 0.74	< 1.2	< 0.74	< 1.2	< 1.2	< 1.2	NA
Acetone	ug/l	6000	< 7.6	< 7.6	< 7.6	< 4.4	< 7.6	< 4.4	< 7.6	< 7.6	< 7.6	NA
Benzene	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.26	< 0.22	**1.6**	**1.5**	< 0.22	< 0.22	NA
Bromodichloromethane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.18	< 0.23	< 0.18	< 0.23	< 0.23	< 0.23	NA
Bromoform	ug/l	4	< 0.24	< 0.24	< 0.24	< 0.42	< 0.24	< 0.42	< 0.24	< 0.24	< 0.24	NA
Bromomethane	ug/l	10	< 0.31	< 0.31	< 0.31	< 0.24	< 0.31	< 0.24	< 0.31	< 0.31	< 0.31	NA
Carbon disulfide	ug/l	700	< 0.18	< 0.18	< 0.18	< 0.13	< 0.18	< 0.13	< 0.18	< 0.18	0.44 J	NA
Carbon tetrachloride	ug/l	1	< 0.19	< 0.19	< 0.19	< 0.35	< 0.19	< 0.35	< 0.19	< 0.19	< 0.19	NA
Chlorobenzene	ug/l	50	< 0.22	< 0.22	< 0.22	< 0.15	< 0.22	< 0.15	< 0.22	< 0.22	< 0.22	NA
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	7.2	< 0.37	4.5	0.95 J	< 0.37	< 0.37	NA
Chloroform	ug/l	70	< 0.21	< 0.21	< 0.21	< 0.14	< 0.21	< 0.14	< 0.21	< 0.21	< 0.21	NA
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.34	< 0.22 J	< 0.34	< 0.22 J	< 0.22 J	< 0.22	NA
cis-1,2-Dichloroethene	ug/l	70	< 0.22	< 0.22	< 0.22	< 0.24	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22	NA
cis-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.16	< 0.22	< 0.16	< 0.22	< 0.22	< 0.22	NA
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.43	< 0.29	0.67 J	0.77 J	< 0.29	< 0.29	NA
Dibromochloromethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.16	< 0.2	< 0.16	< 0.2	< 0.2	< 0.2	NA
Dichlorodifluoromethane	ug/l	1,000	< 0.31	< 0.31	< 0.31	< 0.39	< 0.31 J	< 0.39	< 0.31 J	< 0.31 J	< 0.31	NA
Ethylbenzene	ug/l	700	< 0.21	< 0.21	< 0.21	< 0.31	< 0.21	< 0.31	0.31 J	< 0.21	< 0.21	NA
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.66	< 0.49	< 0.66	< 0.49	< 0.49	< 0.49	NA
Isopropylbenzene	ug/l	700	< 0.19	< 0.19	< 0.19	< 0.31	< 0.19	0.32 J	2	< 0.19	< 0.19	NA
Methyl acetate	ug/l	7000	< 2.9	< 2.9	< 2.9	< 1.3	< 2.9	< 1.3	< 2.9	< 2.9	< 2.9	NA
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	NA
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.16	< 0.18	0.83 J	0.34 J	< 0.18	< 0.18	NA
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA
Styrene	ug/l	100	< 0.23	< 0.23	< 0.23	< 0.48	< 0.23	< 0.48	< 0.23	< 0.23	< 0.23	NA
Tetrachloroethene	ug/l	1	< 0.32	< 0.32	< 0.32	< 0.24	< 0.32	< 0.24	< 0.32	< 0.32	< 0.32	NA
Toluene	ug/l	1000	< 0.15	< 0.15	< 0.15	< 0.27	< 0.15	< 0.27	< 0.15	0.16 J	< 0.15	NA
Trans-1,2-dichloroethene	ug/l	100	< 0.31	< 0.31	< 0.31	< 0.3	< 0.31	< 0.3	< 0.31	< 0.31	< 0.31	NA
trans-1,3-Dichloropropene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.22	< 0.19	< 0.22	< 0.19	< 0.19	< 0.19	NA
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	NA
Trichlorofluoromethane	ug/l	2000	< 0.35	< 0.35	< 0.35	< 0.23	< 0.35	< 0.23	< 0.35	< 0.35	< 0.35	NA
Vinyl Chloride	ug/l	1	< 0.27	< 0.27	< 0.27	< 0.22	< 0.27	< 0.22	< 0.27	< 0.27	< 0.27	NA
Xylenes	ug/l	1,000	< 0.17	< 0.17	< 0.17	< 0.28	< 0.17	< 0.28	< 0.17	< 0.17	< 0.17	NA
Total TIC, Volatile	ug/l	NS	0	7.3 J	7.1 J	0	0	0	33.2 J	0	0	NA

Location ID			RW-4	RW-4A	RW-4A	RW-5	RW-5A	RW-6	RW-6A	RW-7	RW-8	RW-8
Sample ID		GWQS[1]	RW-4 (333-343)	RW-4A(113-123)(052511)	RW-4A(62-72)(052511)	RW-5 (052011)	RW-5A(051811)	RW-6(051811)	RW-6A(051811)	RW-7(051811)	RW-8(163-173)(053111)	RW-8(163-173)(060111)
Sample Date			6/7/2011	5/25/2011	5/25/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC												
1,1'-Biphenyl	ug/l	400	< 0.47	< 0.44	< 0.42	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42	NA	< 0.46
2,4,5-Trichlorophenol	ug/l	700	< 1.5	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	NA	< 1.4
2,4,6-Trichlorophenol	ug/l	20	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	NA	< 1.3
2,4-Dichlorophenol	ug/l	20	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	NA	< 1.3
2,4-Dimethylphenol	ug/l	100	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	NA	< 1.8
2,4-Dinitrophenol	ug/l	40	< 0.82	< 0.77	< 0.74	< 0.74	< 0.8	< 0.74 J	< 0.74 J	< 0.74 J	NA	< 0.8
2,4-Dinitrotoluene	ug/l	NS	< 0.24	< 0.23	< 0.22	< 0.22	< 0.24 J	< 0.22	< 0.22	< 0.22	NA	< 0.24
2,6-Dinitrotoluene	ug/l	NS	< 0.36	< 0.34	< 0.33	< 0.33	< 0.35	< 0.33	< 0.33	< 0.33	NA	< 0.35
2-Chloronaphthalene	ug/l	600	< 0.46	< 0.43	< 0.42	< 0.42	< 0.45	< 0.42	< 0.42	< 0.42	NA	< 0.45
2-Chlorophenol	ug/l	40	< 1.2	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	NA	< 1.2
2-Methylnaphthalene	ug/l	NS	< 0.73	< 0.69	< 0.66	< 0.66	< 0.72	< 0.66	< 0.66	< 0.66	NA	< 0.72
2-Methylphenol	ug/l	NS	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	NA	< 1.2
2-Nitroaniline	ug/l	NS	< 0.26	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	NA	< 0.26
2-Nitrophenol	ug/l	NS	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	NA	< 1.3
3&4-Methylphenol	ug/l	NS	< 1.2	< 1.1	< 1	< 1	< 1.1	< 1	< 1	< 1	NA	< 1.1
3,3'-Dichlorobenzidine	ug/l	30	< 0.33	< 0.31	< 0.3	< 0.3	< 0.32	< 0.3	< 0.3	< 0.3	NA	< 0.32
3-Nitroaniline	ug/l	NS	< 0.32	< 0.3	< 0.29	< 0.29	< 0.31	< 0.29	< 0.29	< 0.29	NA	< 0.31
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.57	< 0.53	< 0.51	< 0.51	< 0.56	< 0.51	< 0.51	< 0.51	NA	< 0.56
4-Bromophenyl phenyl ether	ug/l	NS	< 0.39	< 0.36	< 0.35	< 0.35	< 0.38	< 0.35	< 0.35	< 0.35	NA	< 0.38
4-Chloro-3-Methylphenol	ug/l	NS	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	< 1.1
4-Chloroaniline	ug/l	30	< 0.28	< 0.26	< 0.25	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	NA	< 0.28
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.39	< 0.37	< 0.35	< 0.35	< 0.38	< 0.35	< 0.35	< 0.35	NA	< 0.38
4-Nitroaniline	ug/l	NS	< 0.2	< 0.19	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	NA	< 0.19
4-Nitrophenol	ug/l	NS	< 0.92	< 0.86	< 0.83	< 0.83	< 0.9	< 0.83	< 0.83	< 0.83	NA	< 0.9
Acetophenone	ug/l	700	< 0.44	< 19.9	< 11.5	< 0.4	< 0.43	< 0.4	< 0.4	< 0.4	NA	< 0.43
Atrazine	ug/l	3	< 0.43	< 0.41	< 0.39	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	NA	< 0.43
Benzaldehyde	ug/l	NS	< 0.45	< 0.42	< 0.4	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	NA	< 0.44
Benzyl butyl phthalate	ug/l	100	< 0.28	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	NA	< 0.27
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.28	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	NA	< 0.27
bis(2-Chloroethyl)ether	ug/l	7	< 0.34	< 0.32	< 0.31	< 0.31	< 0.34	< 0.31	< 0.31	< 0.31	NA	< 0.34
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.43	< 0.41	< 0.39	< 0.39	< 0.42	< 0.39	< 0.39	< 0.39	NA	< 0.42
bis(2-Ethylhexyl)phthalate	ug/l	3	< 5.4	< 0.34	< 0.33	< 0.33	< 0.36	1.5 J	< 0.33	< 0.33	NA	< 0.36
Caprolactam	ug/l	NS	< 0.22	< 0.2	< 0.2	< 0.2	< 0.21	< 0.2	< 0.2	< 0.2	NA	< 0.21
Carbazole	ug/l	NS	< 0.18	< 0.17	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	NA	< 0.18
Dibenzofuran	ug/l	NS	< 0.34	< 0.32	< 0.3	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	NA	< 0.33
Diethyl phthalate	ug/l	6000	< 0.18	< 0.17	1.1 J	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	NA	< 0.18
Dimethyl phthalate	ug/l	NS	< 0.25	< 0.23	< 0.23	< 0.23	< 0.24	< 0.23	< 0.23	< 0.23	NA	< 0.24
di-n-butyl phthalate	ug/l	700	< 0.21	< 0.2	< 0.19	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	NA	< 0.21
di-n-octylphthalate	ug/l	100	< 0.44	< 0.41	1.1 J	< 0.4	< 0.43	< 0.4	< 0.4	< 0.4	NA	< 0.43
Hexachlorobutadiene	ug/l	1	< 0.14	< 0.13	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	NA	< 0.14
Hexachlorocyclopentadiene	ug/l	40	< 0.27	< 0.25	< 0.24	< 0.24	< 0.27	< 0.24	< 0.24	< 0.24	NA	< 0.27
Hexachloroethane	ug/l	7	< 0.23	< 0.22	< 0.21	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21	NA	< 0.23
Isophrone	ug/l	40	< 0.28	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25	< 0.25	NA	< 0.27
Naphthalene	ug/l	300	NA	< 6.9	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.28	< 0.26	< 0.25	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	NA	< 0.28
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.49	< 0.46	< 0.44	< 0.44	< 0.48	< 0.44	< 0.44	< 0.44	NA	< 0.48
N-Nitrosodiphenylamine	ug/l	10	< 0.24	< 0.22	< 0.22	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	NA	< 0.23
Phenol	ug/l	2000	< 0.64	< 0.6	< 0.58	< 0.58	< 0.63	< 0.58	< 0.58	< 0.58	NA	< 0.63
Total TIC, Semi-Volatile	ug/l	NS	4.6 JN	6.5 J	0	0	0	5.2 J	12.3 J	0	NA	0

Location ID			RW-4	RW-4A	RW-4A	RW-5	RW-5A	RW-6	RW-6A	RW-7	RW-8	RW-8
Sample ID		GWQS[1]	RW-4 (333-343)	RW-4A(113-123)(052511)	RW-4A(62-72)(052511)	RW-5 (052011)	RW-5A(051811)	RW-6(051811)	RW-6A(051811)	RW-7(051811)	RW-8(163-173)(053111)	RW-8(163-173)(060111)
Sample Date			6/7/2011	5/25/2011	5/25/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM												
Acenaphthene	ug/l	400	< 0.015	< 0.014	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014	NA	< 0.015
Acenaphthylene	ug/l	NS	< 0.018	< 0.017	< 0.016	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	NA	< 0.018
Anthracene	ug/l	2000	< 0.011	< 0.01	< 0.01	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	NA	< 0.011
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.017	< 0.016	< 0.015	< 0.015	< 0.016	< 0.015	< 0.015	< 0.015	NA	< 0.016
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0054	< 0.0051	< 0.0049	< 0.0049	< 0.0053	< 0.0049	< 0.0049	< 0.0049	NA	< 0.0053
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.018	< 0.017	< 0.016	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	NA	< 0.018
Benzo(g,h,i)perylene	ug/l	NS	< 0.011	< 0.011	< 0.01	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	NA	< 0.011
Benzo(k)fluoranthene	ug/l	0.5	< 0.014	< 0.013	< 0.013	< 0.013	< 0.014	< 0.013	< 0.013	< 0.013	NA	< 0.014
Chrysene	ug/l	5	< 0.026	< 0.024	< 0.023	< 0.023	< 0.025	< 0.023	< 0.023	< 0.023	NA	< 0.025
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.025	< 0.023	< 0.023	< 0.023	< 0.024	< 0.023	< 0.023	< 0.023	NA	< 0.024
Fluoranthene	ug/l	300	< 0.011	< 0.01	< 0.0096	< 0.0096	< 0.01	< 0.0096	< 0.0096	< 0.0096	NA	< 0.01
Fluorene	ug/l	300	< 0.017	< 0.016	< 0.015	< 0.015	< 0.016	< 0.015	< 0.015	< 0.015	NA	< 0.016
Hexachlorobenzene	ug/l	0.02 [10]	< 0.0089	< 0.0083	< 0.008	< 0.008	< 0.0087	< 0.008	< 0.008	< 0.008	NA	< 0.0087
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	NA	< 0.012
Naphthalene	ug/l	300	< 0.018	NA	< 4.37	< 0.016	< 0.018	< 0.016	1.37	< 0.016	NA	< 0.018
Pentachlorophenol	ug/l	0.3 [1]	< 0.32*	< 0.3	< 0.29	< 0.29	< 0.31*	< 0.29	< 0.29	< 0.29	NA	< 0.31*
Phenanthrene	ug/l	NS	< 0.017	< 0.016	< 0.016	0.142	< 0.017	< 0.016	< 0.016	< 0.016	NA	< 0.017
Pyrene	ug/l	200	< 0.009	< 0.0084	< 0.0081	< 0.0081	< 0.0088	< 0.0081	< 0.0081	< 0.0081	NA	< 0.0088
PCBs												
PCB 1016	ug/l	0.5	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.15	< 0.17
PCB 1221	ug/l	0.5	< 0.3	< 0.27	< 0.27	< 0.27	< 0.28	< 0.27	< 0.28	< 0.28	< 0.31	< 0.36
PCB 1232	ug/l	0.5	< 0.42	< 0.39	< 0.39	< 0.39	< 0.4	< 0.39	< 0.4	< 0.4	< 0.44	< 0.51
PCB 1242	ug/l	0.5	< 0.095	< 0.086	< 0.086	< 0.086	< 0.089	< 0.086	< 0.089	< 0.09	< 0.098	< 0.11
PCB 1248	ug/l	0.5	< 0.16	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.19
PCB 1254	ug/l	0.5	< 0.15	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.15	< 0.15	< 0.16	< 0.19
PCB 1260	ug/l	0.5	< 0.23	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 0.24	< 0.28
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0	0	0
Metals - Total												
Aluminum	ug/l	200	**983 J**	94.4 J	184 B	23.3 B	**249 J**	< 200 J	< 200 J	**4770 J**	79.6 B	NA
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	1.1 B	2.2 B	< 0.92	< 0.92	< 0.92	2.1 B	NA
Barium	ug/l	2000	124 B	19.7 B	5 J	22.4 B	8.8 B	287	23.3 B	12.1 B	15.7 B	NA
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.3 B	< 0.24	NA
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 3	< 3	< 0.17	< 0.17	NA
Calcium	ug/l	NS	157000	15500	9810	48200	22600	64200	66000	15300	38800	NA
Chromium	ug/l	70	39.2	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA
Cobalt	ug/l	NS	< 50	< 0.3	< 0.3	< 0.3	< 0.3	< 50	9.2 B	< 0.3	< 0.3	NA
Copper	ug/l	1,300	5.5 B	< 0.85	< 0.85	5.6 B	< 10	< 0.85	< 0.85	5.3 J	< 0.85	NA
Iron	ug/l	300	77.8 J	49.1 J	252	**3400**	**750**	**39900**	**10500**	**2120**	103	NA
Lead	ug/l	5	1.3 B	< 0.94	< 3	< 0.94	1.6 J	1.8 J	3.1	**5.9**	< 0.94	NA
Magnesium	ug/l	NS	23.2 B	4540 B	3660 B	13300	4980 B	8710	15700	5750	6320 J	NA
Manganese	ug/l	50	< 15	2.8 J	3.5 J	**2220**	**198**	**4420**	**10700**	**69.4**	36.8	NA
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	NA
Nickel	ug/l	100	< 10	2.5 J	6.5 B	3.8 B	0.9 J	1.5 B	2 B	2.9 B	0.6 B	NA
Potassium	ug/l	NS	14600	1760 B	1430 B	16300	21200	4810 B	2410 B	1020 B	3410 B	NA
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 2.9	< 1.5	< 1.5	NA
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	NA
Sodium	ug/l	50,000	23600	7410 B	4920 B	15700	16900	6900 B	7410 B	4240 B	48200	NA
Thallium	ug/l	2 [10]	< 1.7	< 0.17	< 2	< 0.17	< 2	< 0.17	< 0.34	1 J	< 0.17	NA
Vanadium	ug/l	NS	3.4 J	< 50	< 50	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	NA
Zinc	ug/l	2000	8.3 B	< 20	9.9 J	17 B	< 20	< 20	< 20	14.4 J	4.9 B	NA

Location ID			RW-4	RW-4A	RW-4A	RW-5	RW-5A	RW-6	RW-6A	RW-7	RW-8	RW-8
Sample ID		GWQS[1]	RW-4 (333-343)	RW-4A(113-123)(052511)	RW-4A(62-72)(052511)	RW-5 (052011)	RW-5A(051811)	RW-6(051811)	RW-6A(051811)	RW-7(051811)	RW-8(163-173)(053111)	RW-8(163-173)(060111)
Sample Date			6/7/2011	5/25/2011	5/25/2011	5/20/2011	5/18/2011	5/18/2011	5/18/2011	5/18/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved												
Aluminum	ug/l	200	**1100 J**	48.1 J	59.8 J	12 B	< 200	102 B	< 200	102 B	39 B	NA
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	1.1 B	< 0.92	< 0.92	< 0.92	1.1 B	NA
Barium	ug/l	2000	99.8 B	19.1 B	5 J	19.7 B	5.8 B	241	22.2 B	5.1 B	14.9 B	NA
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.13	NA
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA
Calcium	ug/l	NS	144000	15100	10100	47800	21600	64200	65600	11900	41100	NA
Chromium	ug/l	70	38.2	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA
Cobalt	ug/l	NS	< 50	< 0.3	< 0.3	< 0.3	< 0.3	< 50	8.9 B	< 0.3	< 0.3	NA
Copper	ug/l	1,300	4 B	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	NA
Iron	ug/l	300	< 100	31.8 J	< 100	**328**	91.9 J	**24000**	**9440**	< 100	57.3 B	NA
Lead	ug/l	5	1.4 B	< 3	< 3	1.3 B	< 0.94	2.2 B	2.4 B	1.1 J	< 0.94	NA
Magnesium	ug/l	NS	< 17	4480 B	3870 B	13300	4740 B	8960	15700	4020 B	7080 J	NA
Manganese	ug/l	50	< 15	< 15	< 15	**2160**	**172**	**4350**	**10500**	< 15	37	NA
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	NA
Nickel	ug/l	100	< 10	1.6 J	4.4 B	1.1 B	< 0.41	1.5 B	1.9 B	1.7 B	0.6 B	NA
Potassium	ug/l	NS	13100	1720 B	1480 B	16400	17500	4900 B	2370 B	828 B	3320 B	NA
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 2.9	< 1.5	< 1.5	NA
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	NA
Sodium	ug/l	50,000	22800	7210 B	5270 B	15700	14200	8350 B	7270 B	4570 B	44700	NA
Thallium	ug/l	2 [10]	< 1.7	< 0.17	< 0.17	< 0.17	< 2	< 0.17	< 0.34	< 0.17	< 0.17	NA
Vanadium	ug/l	NS	3.7 J	< 50	< 50	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	NA
Zinc	ug/l	2000	4.3 B	11.6 B	14.1 B	19.6 B	< 20	8.7 J	< 20	26.1 J	6.6 B	NA
Other												
Alkalinity, total (as CaCO3)	ug/l	NS	362000	57800	42700	200000	118000	244000	154000	43200	97700	NA
Chloride	ug/l	250000	13200	< 2000	< 2000	2000	< 2000	2000	< 2000	< 2000	22800	NA
Sulfate	ug/l	250000	13400	18600	13300	15700	13600	< 10000	< 10000	10200	98600	NA

Location ID			RW-8	RW-9	RW-9	RW-9A	RW-10	RW-10	RW-10
Sample ID		GWQS[1]	RW-8(204-214)(060111)	RW-9(206-216)(052611)	RW-9(206-216)(052711)	RW-9A(85-95)(060111)	RW-10(120-130)(053111)	RW-10(185-195)(053111)	RW-10(120-130)(060111)
Sample Date			6/1/2011	5/26/2011	5/27/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
VOC									
1,1,1-Trichloroethane	ug/l	30	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	NA
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	NA
1,1,2-Trichloroethane	ug/l	3	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	NA
1,1-Dichloroethane	ug/l	50	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA
1,1-Dichloroethene	ug/l	1	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	NA
1,2,4-Trichlorobenzene	ug/l	9	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	NA
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.3*	< 1.3*	NA	< 1.3*	< 1.3*	< 1.3*	NA
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.21*	< 0.21*	NA	< 0.21*	< 0.21*	< 0.21*	NA
1,2-Dichlorobenzene	ug/l	600	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	NA
1,2-Dichloroethane	ug/l	2	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	NA
1,2-Dichloropropane	ug/l	1	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
1,3-Dichlorobenzene	ug/l	600	< 0.29	< 0.29	NA	< 0.29	< 0.29	< 0.29	NA
1,4-Dichlorobenzene	ug/l	75	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	NA
2-Butanone (MEK)	ug/l	300	< 2.9	< 2.9	NA	< 2.9	6 J	< 2.9	NA
2-Hexanone	ug/l	NS	< 3	< 3	NA	< 3	< 3	< 3	NA
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	NA	< 1.2	< 1.2	< 1.2	NA
Acetone	ug/l	6000	< 7.6	8 J	NA	< 7.6	84.3	23.1	NA
Benzene	ug/l	1	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
Bromodichloromethane	ug/l	1	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	NA
Bromoform	ug/l	4	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	NA
Bromomethane	ug/l	10	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	NA
Carbon disulfide	ug/l	700	0.41 J	< 0.18	NA	1.4 J	2.8	0.27 J	NA
Carbon tetrachloride	ug/l	1	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA
Chlorobenzene	ug/l	50	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
Chloroethane	ug/l	NS	< 0.37	< 0.37	NA	< 0.37	< 0.37	< 0.37	NA
Chloroform	ug/l	70	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	NA
Chloromethane	ug/l	NS	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
cis-1,2-Dichloroethene	ug/l	70	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
cis-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	NA
Cyclohexane	ug/l	NS	< 0.29	< 0.29	NA	< 0.29	< 0.29	< 0.29	NA
Dibromochloromethane	ug/l	1	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	NA
Dichlorodifluoromethane	ug/l	1,000	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	NA
Ethylbenzene	ug/l	700	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	NA
Freon 113	ug/l	NS	< 0.49	< 0.49	NA	< 0.49	< 0.49	< 0.49	NA
Isopropylbenzene	ug/l	700	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA
Methyl acetate	ug/l	7000	< 2.9	< 2.9	NA	< 2.9	< 2.9	< 2.9	NA
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	NA
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	NA
Methylene chloride	ug/l	3	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	NA
Styrene	ug/l	100	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	NA
Tetrachloroethene	ug/l	1	< 0.32	< 0.32	NA	< 0.32	< 0.32	< 0.32	NA
Toluene	ug/l	1000	< 0.15	< 0.15	NA	< 0.15	0.25 J	< 0.15	NA
Trans-1,2-dichloroethene	ug/l	100	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	NA
trans-1,3-Dichloropropene	ug/l	NS	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	NA
Trichloroethene	ug/l	1	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	NA
Trichlorofluoromethane	ug/l	2000	< 0.35	< 0.35	NA	< 0.35	< 0.35	< 0.35	NA
Vinyl Chloride	ug/l	1	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	NA
Xylenes	ug/l	1,000	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	NA
Total TIC, Volatile	ug/l	NS	0	0	NA	0	0	0	NA

Location ID			RW-8	RW-9	RW-9	RW-9A	RW-10	RW-10	RW-10
Sample ID		GWQS[1]	RW-8(204-214)(060111)	RW-9(206-216)(052611)	RW-9(206-216)(052711)	RW-9A(85-95)(060111)	RW-10(120-130)(053111)	RW-10(185-195)(053111)	RW-10(120-130)(060111)
Sample Date			6/1/2011	5/26/2011	5/27/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
SVOC									
1,1'-Biphenyl	ug/l	400	NA	NA	< 0.49	NA	NA	< 0.46	< 0.58
2,4,5-Trichlorophenol	ug/l	700	NA	NA	< 1.5	NA	NA	< 1.4	< 1.8
2,4,6-Trichlorophenol	ug/l	20	NA	NA	< 1.4	NA	NA	< 1.3	< 1.7
2,4-Dichlorophenol	ug/l	20	NA	NA	< 1.4	NA	NA	< 1.3	< 1.7
2,4-Dimethylphenol	ug/l	100	NA	NA	< 1.9	NA	NA	< 1.8	< 2.3
2,4-Dinitrophenol	ug/l	40	NA	NA	< 0.86	NA	NA	< 0.8	< 1
2,4-Dinitrotoluene	ug/l	NS	NA	NA	< 0.26	NA	NA	< 0.24	< 0.3
2,6-Dinitrotoluene	ug/l	NS	NA	NA	< 0.38	NA	NA	< 0.35	< 0.45
2-Chloronaphthalene	ug/l	600	NA	NA	< 0.48	NA	NA	< 0.45	< 0.57
2-Chlorophenol	ug/l	40	NA	NA	< 1.2	NA	NA	< 1.2	< 1.5
2-Methylnaphthalene	ug/l	NS	NA	NA	< 0.77	NA	NA	< 0.72	< 0.9
2-Methylphenol	ug/l	NS	NA	NA	< 1.3	NA	NA	< 1.2	< 1.5
2-Nitroaniline	ug/l	NS	NA	NA	< 0.27	NA	NA	< 0.26	< 0.32
2-Nitrophenol	ug/l	NS	NA	NA	< 1.4	NA	NA	< 1.3	< 1.7
3&4-Methylphenol	ug/l	NS	NA	NA	< 1.2	NA	NA	< 1.1	< 1.4
3,3'-Dichlorobenzidine	ug/l	30	NA	NA	< 0.34	NA	NA	< 0.32	< 0.4
3-Nitroaniline	ug/l	NS	NA	NA	< 0.33	NA	NA	< 0.31	< 0.39
4,6-Dinitro-2-methylphenol	ug/l	NS	NA	NA	< 0.6	NA	NA	< 0.56	< 0.7
4-Bromophenyl phenyl ether	ug/l	NS	NA	NA	< 0.41	NA	NA	< 0.38	< 0.48
4-Chloro-3-Methylphenol	ug/l	NS	NA	NA	< 1.2	NA	NA	< 1.1	< 1.4
4-Chloroaniline	ug/l	30	NA	NA	< 0.29	NA	NA	< 0.28	< 0.35
4-Chlorophenyl phenyl ether	ug/l	NS	NA	NA	< 0.41	NA	NA	< 0.38	< 0.48
4-Nitroaniline	ug/l	NS	NA	NA	< 0.21	NA	NA	< 0.19	< 0.24
4-Nitrophenol	ug/l	NS	NA	NA	< 0.96	NA	NA	< 0.9	< 1.1
Acetophenone	ug/l	700	NA	NA	< 0.46	NA	NA	0.91 J	2.2 J
Atrazine	ug/l	3	NA	NA	< 0.45	NA	NA	< 0.43	< 0.54
Benzaldehyde	ug/l	NS	NA	NA	< 0.47	NA	NA	< 0.44	< 0.55
Benzyl butyl phthalate	ug/l	100	NA	NA	< 0.29	NA	NA	< 0.27	< 0.34
bis(2-Chloroethoxy)methane	ug/l	NS	NA	NA	< 0.29	NA	NA	< 0.27	< 0.34
bis(2-Chloroethyl)ether	ug/l	7	NA	NA	< 0.36	NA	NA	< 0.34	< 0.42
bis(2-Chloroisopropyl)ether	ug/l	300	NA	NA	< 0.45	NA	NA	< 0.42	< 0.53
bis(2-Ethylhexyl)phthalate	ug/l	3	NA	NA	< 0.38	NA	NA	< 0.36	< 0.45
Caprolactam	ug/l	NS	NA	NA	< 0.23	NA	NA	< 0.21	< 0.27
Carbazole	ug/l	NS	NA	NA	< 0.19	NA	NA	< 0.18	< 0.23
Dibenzofuran	ug/l	NS	NA	NA	< 0.35	NA	NA	< 0.33	< 0.42
Diethyl phthalate	ug/l	6000	NA	NA	< 0.19	NA	NA	< 0.18	< 0.23
Dimethyl phthalate	ug/l	NS	NA	NA	< 0.26	NA	NA	< 0.24	< 0.31
di-n-butyl phthalate	ug/l	700	NA	NA	< 0.22	NA	NA	< 0.21	< 0.26
di-n-octylphthalate	ug/l	100	NA	NA	< 0.46	NA	NA	< 0.43	< 0.54
Hexachlorobutadiene	ug/l	1	NA	NA	< 0.15	NA	NA	< 0.14	< 0.17
Hexachlorocyclopentadiene	ug/l	40	NA	NA	< 0.28	NA	NA	< 0.27	< 0.33
Hexachloroethane	ug/l	7	NA	NA	< 0.24	NA	NA	< 0.23	< 0.29
Isophrone	ug/l	40	NA	NA	< 0.29	NA	NA	< 0.27	2 J
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	NA	NA	< 0.29	NA	NA	< 0.28	< 0.35
N-Nitroso-di-n-Propylamine	ug/l	10	NA	NA	< 0.51	NA	NA	< 0.48	< 0.6
N-Nitrosodiphenylamine	ug/l	10	NA	NA	< 0.25	NA	NA	< 0.23	< 0.29
Phenol	ug/l	2000	NA	NA	< 0.67	NA	NA	< 0.63	3.4
Total TIC, Semi-Volatile	ug/l	NS	NA	NA	37.2 JN	NA	NA	0	17.3 J

Location ID			RW-8	RW-9	RW-9	RW-9A	RW-10	RW-10	RW-10
Sample ID		GWQS[1]	RW-8(204-214)(060111)	RW-9(206-216)(052611)	RW-9(206-216)(052711)	RW-9A(85-95)(060111)	RW-10(120-130)(053111)	RW-10(185-195)(053111)	RW-10(120-130)(060111)
Sample Date			6/1/2011	5/26/2011	5/27/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM									
Acenaphthene	ug/l	400	NA	NA	< 0.016	NA	NA	< 0.015	< 0.019
Acenaphthylene	ug/l	NS	NA	NA	< 0.019	NA	NA	< 0.018	< 0.022
Anthracene	ug/l	2000	NA	NA	< 0.012	NA	NA	< 0.011	< 0.014
Benzo(a)anthracene	ug/l	0.1 [0.2]	NA	NA	< 0.018	NA	NA	< 0.016	< 0.021
Benzo(a)pyrene	ug/l	0.1 [0.2]	NA	NA	< 0.0057	NA	NA	< 0.0053	< 0.0067
Benzo(b)fluoranthene	ug/l	0.2 [10]	NA	NA	< 0.019	NA	NA	< 0.018	< 0.022
Benzo(g,h,i)perylene	ug/l	NS	NA	NA	< 0.012	NA	NA	< 0.011	< 0.014
Benzo(k)fluoranthene	ug/l	0.5	NA	NA	< 0.015	NA	NA	< 0.014	< 0.017
Chrysene	ug/l	5	NA	NA	< 0.027	NA	NA	< 0.025	< 0.032
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	NA	NA	< 0.026	NA	NA	< 0.024	< 0.031
Fluoranthene	ug/l	300	NA	NA	< 0.011	NA	NA	< 0.01	< 0.013
Fluorene	ug/l	300	NA	NA	< 0.017	NA	NA	< 0.016	< 0.02
Hexachlorobenzene	ug/l	0.02 [10]	NA	NA	< 0.0093	NA	NA	< 0.0087	< 0.011
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	NA	NA	< 0.012	NA	NA	< 0.012	< 0.015
Naphthalene	ug/l	300	NA	NA	< 0.019	NA	NA	< 0.018	< 0.022
Pentachlorophenol	ug/l	0.3 [1]	NA	NA	< 0.33*	NA	NA	< 0.31*	< 0.39*
Phenanthrene	ug/l	NS	NA	NA	< 0.018	NA	NA	0.197	0.53
Pyrene	ug/l	200	NA	NA	< 0.0094	NA	NA	< 0.0088	< 0.011
PCBs									
PCB 1016	ug/l	0.5	NA	NA	NA	NA	NA	< 0.14	< 0.23
PCB 1221	ug/l	0.5	NA	NA	NA	NA	NA	< 0.3	< 0.49
PCB 1232	ug/l	0.5	NA	NA	NA	NA	NA	< 0.43	< 0.7
PCB 1242	ug/l	0.5	NA	NA	NA	NA	NA	< 0.096	< 0.16
PCB 1248	ug/l	0.5	NA	NA	NA	NA	NA	< 0.16	< 0.26
PCB 1254	ug/l	0.5	NA	NA	NA	NA	NA	< 0.16	< 0.26
PCB 1260	ug/l	0.5	NA	NA	NA	NA	NA	< 0.23	< 0.38
Total PCBs	ug/l	0.5	NA	NA	NA	NA	NA	0	0
Metals - Total									
Aluminum	ug/l	200	< 7.2	NA	85.4 J	NA	**360**	**881**	NA
Antimony	ug/l	6	< 1.3	NA	< 1.3	NA	< 1.3	< 1.3	NA
Arsenic	ug/l	3 [8]	**5.1**	NA	**3.3**	NA	**4.8**	< 0.92	NA
Barium	ug/l	2000	54.5 B	NA	26.8 B	NA	35.3 B	28.2 B	NA
Beryllium	ug/l	1	< 0.13	NA	< 0.24	NA	< 0.24	< 0.13	NA
Cadmium	ug/l	4	< 0.17	NA	< 0.17	NA	< 0.17	< 0.17	NA
Calcium	ug/l	NS	90700	NA	29700	NA	54100	74000	NA
Chromium	ug/l	70	< 0.9	NA	< 0.9	NA	25.7	0.9 B	NA
Cobalt	ug/l	NS	< 0.3	NA	< 0.3	NA	< 0.3	< 0.3	NA
Copper	ug/l	1,300	< 0.85	NA	< 0.85	NA	< 10	< 10	NA
Iron	ug/l	300	**2950**	NA	106	NA	187	132	NA
Lead	ug/l	5	< 0.94	NA	< 0.94	NA	2.5 B	1 B	NA
Magnesium	ug/l	NS	22900	NA	10400	NA	< 17	276 B	NA
Manganese	ug/l	50	**442**	NA	10 B	NA	< 0.18	0.3 J	NA
Mercury	ug/l	2	< 0.088	NA	< 0.088	NA	< 0.088	< 0.088	NA
Nickel	ug/l	100	4.1 B	NA	< 10	NA	12.7	4.4 B	NA
Potassium	ug/l	NS	3810 B	NA	17800	NA	64100	22700	NA
Selenium	ug/l	40	< 1.5	NA	< 1.5	NA	5.2 B	1.6 B	NA
Silver	ug/l	40	< 0.72	NA	< 0.72	NA	< 0.72	< 0.72	NA
Sodium	ug/l	50,000	**58800**	NA	**63500**	NA	**98000**	**70300**	NA
Thallium	ug/l	2 [10]	< 0.17	NA	< 0.17	NA	< 2	< 0.17	NA
Vanadium	ug/l	NS	< 0.43	NA	< 0.43	NA	36.6 B	16.8 B	NA
Zinc	ug/l	2000	< 1.7	NA	< 20	NA	4.5 B	3.1 B	NA

Location ID			RW-8	RW-9	RW-9	RW-9A	RW-10	RW-10	RW-10
Sample ID		GWQS[1]	RW-8(204-214)(060111)	RW-9(206-216)(052611)	RW-9(206-216)(052711)	RW-9A(85-95)(060111)	RW-10(120-130)(053111)	RW-10(185-195)(053111)	RW-10(120-130)(060111)
Sample Date			6/1/2011	5/26/2011	5/27/2011	6/1/2011	5/31/2011	5/31/2011	6/1/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved									
Aluminum	ug/l	200	NA	NA	NA	NA	NA	**673**	**452**
Antimony	ug/l	6	NA	NA	NA	NA	NA	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	NA	NA	NA	NA	NA	< 0.92	**4.1**
Barium	ug/l	2000	NA	NA	NA	NA	NA	24.8 B	16.4 B
Beryllium	ug/l	1	NA	NA	NA	NA	NA	< 0.24	< 0.24
Cadmium	ug/l	4	NA	NA	NA	NA	NA	< 0.17	< 0.17
Calcium	ug/l	NS	NA	NA	NA	NA	NA	71100	38000
Chromium	ug/l	70	NA	NA	NA	NA	NA	< 0.9	< 0.9
Cobalt	ug/l	NS	NA	NA	NA	NA	NA	< 0.3	< 0.3
Copper	ug/l	1,300	NA	NA	NA	NA	NA	< 10	< 0.85
Iron	ug/l	300	NA	NA	NA	NA	NA	57 B	156
Lead	ug/l	5	NA	NA	NA	NA	NA	1.4 B	2.3 B
Magnesium	ug/l	NS	NA	NA	NA	NA	NA	182 B	< 17
Manganese	ug/l	50	NA	NA	NA	NA	NA	< 0.18	< 0.18
Mercury	ug/l	2	NA	NA	NA	NA	NA	< 0.088	< 0.088
Nickel	ug/l	100	NA	NA	NA	NA	NA	4 B	14.6
Potassium	ug/l	NS	NA	NA	NA	NA	NA	20000	52500
Selenium	ug/l	40	NA	NA	NA	NA	NA	< 1.5	4.8 B
Silver	ug/l	40	NA	NA	NA	NA	NA	< 0.72	< 0.72
Sodium	ug/l	50,000	NA	NA	NA	NA	NA	**61400**	**93500**
Thallium	ug/l	2 [10]	NA	NA	NA	NA	NA	< 0.17	< 2
Vanadium	ug/l	NS	NA	NA	NA	NA	NA	15.4 B	43.4 B
Zinc	ug/l	2000	NA	NA	NA	NA	NA	3.7 B	3.8 B
Other									
Alkalinity, total (as CaCO3)	ug/l	NS	245000	NA	127000	NA	232000	226000	NA
Chloride	ug/l	250000	67000	NA	7700	NA	12000	4600	NA
Sulfate	ug/l	250000	115000	NA	212000	NA	123000	145000	NA

Location ID			RW-10A	RW-10A	RW-11	RW-11	RW-11	RW-11	SC-01	SC-02	FB	FB	FB
Sample ID		GWQS[1]	RW-10A(51-61)(060211)	RW-10A(75-85)(060211)	RW-11(221-246)	RW-11(252-272)	RW-11(100-125)	RW-11(142-167)	SC-1(051811)	SC-2(051611)	FB(051611)	FB(051711)	FB(051811)
Sample Date			6/2/2011	6/2/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/18/2011	5/16/2011	5/16/2011	5/17/2011	5/18/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC													
1,1,1-Trichloroethane	ug/l	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.12	< 0.12	< 0.12	< 0.12
1,1,2-Trichloroethane	ug/l	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.13	< 0.13	< 0.13	< 0.13
1,1-Dichloroethane	ug/l	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	0.23 J	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	ug/l	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	ug/l	9	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.2*	< 1.2*	< 1.2*	< 1.2*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	ug/l	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.15	< 0.15	< 0.15	< 0.15
1,2-Dichloroethane	ug/l	2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.31	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23
1,3-Dichlorobenzene	ug/l	600	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.19	< 0.19	< 0.19	< 0.19
1,4-Dichlorobenzene	ug/l	75	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	ug/l	300	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.7	< 1.7	< 1.7	< 1.7
2-Hexanone	ug/l	NS	< 3	< 3	< 3 J	< 3 J	< 3	< 3	< 3	< 1.9	< 1.9	< 1.9	< 1.9
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.74	< 0.74	< 0.74	< 0.74
Acetone	ug/l	6000	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 4.4	< 4.4	< 4.4	< 4.4
Benzene	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	0.63 J	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18	< 0.18
Bromoform	ug/l	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.42	< 0.42	< 0.42	< 0.42
Bromomethane	ug/l	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.24	< 0.24	< 0.24	< 0.24
Carbon disulfide	ug/l	700	0.28 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.13	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/l	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.35	< 0.35	< 0.35	< 0.35
Chlorobenzene	ug/l	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.15	< 0.15	< 0.15	< 0.15
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	0.39 J	< 0.25	< 0.25	< 0.25	< 0.25
Chloroform	ug/l	70	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14	< 0.14
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22 J	< 0.34	< 0.34	< 0.34	< 0.34
cis-1,2-Dichloroethene	ug/l	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.24	< 0.24	< 0.24
cis-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.16	< 0.16	< 0.16	< 0.16
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	1.4 J	< 0.43	< 0.43	< 0.43	< 0.43
Dibromochloromethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	ug/l	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 J	< 0.39	< 0.39	< 0.39	< 0.39
Ethylbenzene	ug/l	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	2.5	< 0.31	< 0.31	< 0.31	< 0.31
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.66	< 0.66	< 0.66	< 0.66
Isopropylbenzene	ug/l	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	1.7 J	< 0.31	< 0.31	< 0.31	< 0.31
Methyl acetate	ug/l	7000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.3	< 1.3	< 1.3	< 1.3
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	1.8 J	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.48	< 0.48	< 0.48	< 0.48
Tetrachloroethene	ug/l	1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.24	< 0.24	< 0.24	< 0.24
Toluene	ug/l	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.32 J	< 0.27	< 0.27	< 0.27	< 0.27
Trans-1,2-dichloroethene	ug/l	100	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3	< 0.3	< 0.3	< 0.3
trans-1,3-Dichloropropene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.22	< 0.22	< 0.22	< 0.22
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.22	< 0.22
Trichlorofluoromethane	ug/l	2000	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.23	< 0.23	< 0.23	< 0.23
Vinyl Chloride	ug/l	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.22	< 0.22	< 0.22	< 0.22
Xylenes	ug/l	1,000	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	11.1	< 0.28	< 0.28	< 0.28	< 0.28
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	32 J	0	0	0	0

Location ID			RW-10A	RW-10A	RW-11	RW-11	RW-11	RW-11	SC-01	SC-02	FB	FB	FB
Sample ID		GWQS[1]	RW-10A(51-61)(060211)	RW-10A(75-85)(060211)	RW-11(221-246)	RW-11(252-272)	RW-11(100-125)	RW-11(142-167)	SC-1(051811)	SC-2(051611)	FB(051611)	FB(051711)	FB(051811)
Sample Date			6/2/2011	6/2/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/18/2011	5/16/2011	5/16/2011	5/17/2011	5/18/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC													
1,1'-Biphenyl	ug/l	400	< 0.47	< 0.47	< 0.47	< 0.47	< 0.45	< 0.44	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42
2,4,5-Trichlorophenol	ug/l	700	< 1.5	< 1.5	< 1.5	< 1.5	< 1.4	< 1.4	< 1.3	< 1.5	< 1.3	< 1.3	< 1.3
2,4,6-Trichlorophenol	ug/l	20	< 1.4	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2
2,4-Dichlorophenol	ug/l	20	< 1.4	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2
2,4-Dimethylphenol	ug/l	100	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	ug/l	40	< 0.82	< 0.82	< 0.82	< 0.82	< 0.79	< 0.78	< 0.74	< 0.82	< 0.74	< 0.74	< 0.74
2,4-Dinitrotoluene	ug/l	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.23	< 0.22	< 0.24 J	< 0.22 J	< 0.22 J	< 0.22
2,6-Dinitrotoluene	ug/l	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.35	< 0.34	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33
2-Chloronaphthalene	ug/l	600	< 0.46	< 0.46	< 0.46	< 0.46	< 0.45	< 0.44	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42
2-Chlorophenol	ug/l	40	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	ug/l	NS	< 0.73	< 0.73	< 0.73	< 0.73	< 0.71	< 0.69	< 0.66	< 0.73	< 0.66	< 0.66	< 0.66
2-Methylphenol	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
2-Nitroaniline	ug/l	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25	< 0.25	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24
2-Nitrophenol	ug/l	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2
3&4-Methylphenol	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1	< 1.2	< 1	< 1	< 1
3,3'-Dichlorobenzidine	ug/l	30	< 0.33	< 0.33	< 0.33	< 0.33	< 0.32	< 0.31	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3
3-Nitroaniline	ug/l	NS	< 0.32	< 0.32	< 0.32	< 0.32	< 0.31	< 0.3	< 0.29	< 0.32	< 0.29	< 0.29	< 0.29
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.57	< 0.57	< 0.57	< 0.57	< 0.55	< 0.54	< 0.51	< 0.57	< 0.51	< 0.51	< 0.51
4-Bromophenyl phenyl ether	ug/l	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.38	< 0.37	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35
4-Chloro-3-Methylphenol	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
4-Chloroaniline	ug/l	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27	< 0.27	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.38	< 0.37	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35
4-Nitroaniline	ug/l	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
4-Nitrophenol	ug/l	NS	< 0.92	< 0.92	< 0.92	< 0.92	< 0.89	< 0.87	< 0.83	< 0.92	< 0.83	< 0.83	< 0.83
Acetophenone	ug/l	700	< 0.44	< 0.44	< 2.2	< 1.7	< 0.43	< 0.42	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4
Atrazine	ug/l	3	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42	< 0.41	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39
Benzaldehyde	ug/l	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.43	< 0.43	< 0.4	< 0.45	< 0.4	< 0.4	< 0.4
Benzyl butyl phthalate	ug/l	100	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27	< 0.26	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27	< 0.26	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
bis(2-Chloroethyl)ether	ug/l	7	< 0.34	< 0.34	< 0.34	< 0.34	< 0.33	< 0.33	< 0.31	< 0.34	< 0.31	< 0.31	< 0.31
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.43	< 0.43	< 0.43	< 0.43	< 0.42	< 0.41	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.36	**156**	1.6 J	< 0.36	1.3 J	< 0.34	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33
Caprolactam	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.21	< 0.2	< 0.22	< 0.2	< 0.2	< 0.2
Carbazole	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17
Dibenzofuran	ug/l	NS	< 0.34	< 0.34	< 0.34	< 0.34	< 0.33	< 0.32	< 0.3	< 0.34	< 0.3	< 0.3	< 0.3
Diethyl phthalate	ug/l	6000	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	ug/l	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.24	< 0.24	< 0.23	< 0.25	< 0.23	< 0.23	< 0.23
di-n-butyl phthalate	ug/l	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.2	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19
di-n-octylphthalate	ug/l	100	< 0.44	< 0.44	< 0.44	< 0.44	< 0.42	< 0.42	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4
Hexachlorobutadiene	ug/l	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13
Hexachlorocyclopentadiene	ug/l	40	< 0.27	< 0.27	< 0.27	< 0.27	< 0.26	< 0.26	< 0.24	< 0.27	< 0.24	< 0.24	< 0.24
Hexachloroethane	ug/l	7	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21
Isophrone	ug/l	40	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27	< 0.26	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27	< 0.27	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.49	< 0.49	< 0.49	< 0.49	< 0.47	< 0.46	< 0.44	< 0.49	< 0.44	< 0.44	< 0.44
N-Nitrosodiphenylamine	ug/l	10	< 0.24	< 0.24	< 0.24	< 0.24	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22
Phenol	ug/l	2000	< 0.64	< 0.64	< 0.64	< 0.64	< 0.62	< 0.61	< 0.58	< 0.64	< 0.58	< 0.58	< 0.58
Total TIC, Semi-Volatile	ug/l	NS	0	0	26.4 J	6.5 J	9.3 JN	9.3 JN	8.6 J	14.6 J	4.5 J	0	0

Location ID			RW-10A	RW-10A	RW-11	RW-11	RW-11	RW-11	SC-01	SC-02	FB	FB	FB
Sample ID		GWQS[1]	RW-10A(51-61)(060211)	RW-10A(75-85)(060211)	RW-11(221-246)	RW-11(252-272)	RW-11(100-125)	RW-11(142-167)	SC-1(051811)	SC-2(051611)	FB(051611)	FB(051711)	FB(051811)
Sample Date			6/2/2011	6/2/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/18/2011	5/16/2011	5/16/2011	5/17/2011	5/18/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM													
Acenaphthene	ug/l	400	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014
Acenaphthylene	ug/l	NS	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017	< 0.017	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016
Anthracene	ug/l	2000	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.017	< 0.017	< 0.017	< 0.017	< 0.016	< 0.016	< 0.015	< 0.017	< 0.015	< 0.015	< 0.015
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.0053	< 0.0052	< 0.0049	< 0.0054	< 0.0049	< 0.0049	< 0.0049
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016
Benzo(g,h,i)perylene	ug/l	NS	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	ug/l	0.5	< 0.014	< 0.014	< 0.014	< 0.014	< 0.013	< 0.013	< 0.013	< 0.014	< 0.013	< 0.013	< 0.013
Chrysene	ug/l	5	< 0.026	< 0.026	< 0.026	< 0.026	< 0.025	< 0.024	< 0.023	< 0.026	< 0.023	< 0.023	< 0.023
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.025	< 0.025	< 0.025	< 0.025	< 0.024	< 0.024	< 0.023	< 0.025	< 0.023	< 0.023	< 0.023
Fluoranthene	ug/l	300	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.01	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.0096
Fluorene	ug/l	300	< 0.017	< 0.017	< 0.017	< 0.017	< 0.016	< 0.016	< 0.015	< 0.017	< 0.015	< 0.015	< 0.015
Hexachlorobenzene	ug/l	0.02 [10]	< 0.0089	< 0.0089	< 0.0089	< 0.0089	< 0.0086	< 0.0084	< 0.008	< 0.0089	< 0.008	< 0.008	< 0.008
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.012	< 0.012	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011
Naphthalene	ug/l	300	< 0.018	< 0.018	< 1.03	< 1.02	< 0.017	< 0.017	4.3	< 0.018	< 0.016	< 0.016	< 0.016
Pentachlorophenol	ug/l	0.3 [1]	< 0.32*	< 0.32*	< 0.32*	< 0.32*	< 0.31*	< 0.3	< 0.29	< 0.32*	< 0.29	< 0.29	< 0.29
Phenanthrene	ug/l	NS	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	0.121	< 0.017	< 0.016	< 0.016	< 0.016
Pyrene	ug/l	200	< 0.009	< 0.009	< 0.009	< 0.009	< 0.0087	< 0.0085	< 0.0081	< 0.009	< 0.0081	< 0.0081	< 0.0081
PCBs													
PCB 1016	ug/l	0.5	< 0.14	< 0.14	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.14
PCB 1221	ug/l	0.5	< 0.3	< 0.3	< 0.29	< 0.3	< 0.33	< 0.27	< 0.27	< 0.29	< 0.27	< 0.27	< 0.29
PCB 1232	ug/l	0.5	< 0.43	< 0.43	< 0.42	< 0.43	< 0.47	< 0.39	< 0.39	< 0.41	< 0.39	< 0.39	< 0.41
PCB 1242	ug/l	0.5	< 0.096	< 0.096	< 0.093	< 0.096	< 0.1	< 0.086	< 0.086	< 0.092	< 0.086	< 0.086	< 0.091
PCB 1248	ug/l	0.5	< 0.16	< 0.16	< 0.16	< 0.16	< 0.18	< 0.15	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15
PCB 1254	ug/l	0.5	< 0.16	< 0.16	< 0.15	< 0.16	< 0.17	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.15
PCB 1260	ug/l	0.5	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25	< 0.21	< 0.21	< 0.22	< 0.21	< 0.21	< 0.22
Total PCBs	ug/l	0.5	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	ug/l	200	< 200	< 200	53.1 J	41.6 J	52 J	60.7 J	66.8 J	**1760**	< 7.2	< 7.2	< 7.2
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	3.6 B	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	1.4 B	< 0.92	< 0.92	< 0.92
Barium	ug/l	2000	29 B	7.3 J	4.1 J	4.3 J	4.5 B	4.2 B	156 B	74.5 B	< 0.44	< 0.44	< 0.44
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	1.2 B	< 0.17	< 0.17	< 0.17
Calcium	ug/l	NS	70900	47100	3430 B	4290 B	3330 B	3180 B	15200	62200	13.2 B	20.9 B	28.6 B
Chromium	ug/l	70	< 0.9	< 0.9	< 10	< 0.9	1.8 J	1.4 J	2.8 J	8.8 B	< 0.9	< 0.9	< 0.9
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 50	12.1 B	< 0.3	< 0.3	< 0.3
Copper	ug/l	1,300	< 0.85	< 10	1.9 B	3.1 B	1.8 B	2.8 B	2.7 J	52.5	< 0.85	< 0.85	< 0.85
Iron	ug/l	300	255	< 100	**833**	**362**	**1540**	**891**	**26500**	**14900**	< 7.7	< 7.7	14.1 B
Lead	ug/l	5	< 3	< 3	< 3	< 3	< 3	< 0.94	**5.6**	**20**	< 0.94	< 0.94	< 0.94
Magnesium	ug/l	NS	18700	12900	1170 B	1210 B	1180 B	1100 B	1940 B	16300	< 17	< 17	< 17
Manganese	ug/l	50	**114**	10.7 J	46.2	15.7	40.9	39	**290**	**644 J**	< 0.18	< 0.18	0.3 B
Mercury	ug/l	2	0.11 B	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088
Nickel	ug/l	100	< 10	12.7	1.5 J	1.6 J	< 10	< 10	3.1 B	12.1	< 0.41	< 0.41	< 0.41
Potassium	ug/l	NS	4800 B	1870 B	473 J	541 B	459 B	447 B	1280 B	4720 B	< 16	< 16	< 16
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72
Sodium	ug/l	50,000	29300	5250 B	1570 B	1650 B	1580 B	1510 B	2230 B	8900 B	51.6 B	71.2 B	19.3 B
Thallium	ug/l	2 [10]	< 2	< 0.17	< 0.17	< 0.17	< 2	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Vanadium	ug/l	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	1.7 B	6.4 B	< 0.43	< 0.43	< 0.43
Zinc	ug/l	2000	< 1.7	< 20	713	138 J	1540	1380	141	189	3.3 B	< 1.7	2.8 B

Location ID			RW-10A	RW-10A	RW-11	RW-11	RW-11	RW-11	SC-01	SC-02	FB	FB	FB
Sample ID		GWQS[1]	RW-10A(51-61)(060211)	RW-10A(75-85)(060211)	RW-11(221-246)	RW-11(252-272)	RW-11(100-125)	RW-11(142-167)	SC-1(051811)	SC-2(051611)	FB(051611)	FB(051711)	FB(051811)
Sample Date			6/2/2011	6/2/2011	5/25/2011	5/25/2011	5/26/2011	5/26/2011	5/18/2011	5/16/2011	5/16/2011	5/17/2011	5/18/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved													
Aluminum	ug/l	200	< 200	< 200	< 200	35.1 J	34.6 J	< 200	< 200	< 200	NA	NA	NA
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA	NA
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	NA	NA	NA
Barium	ug/l	2000	28 B	7 J	3.9 J	4.2 J	4 B	3.7 B	139 B	54 B	NA	NA	NA
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.3 B	NA	NA	NA
Calcium	ug/l	NS	69800	46600	3270 B	4370 B	3230 B	3120 B	14100	67500	NA	NA	NA
Chromium	ug/l	70	< 0.9	6.1 J	< 0.9	< 0.9	1.6 J	< 0.9	< 0.9	< 0.83	NA	NA	NA
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 50	< 0.3	NA	NA	NA
Copper	ug/l	1,300	< 0.85	< 0.85	< 0.85	2.2 B	< 0.85	< 0.85	< 0.85	12.3	NA	NA	NA
Iron	ug/l	300	< 100	< 100	< 100	< 100	19.6 B	20.2 B	**22000**	57 J	NA	NA	NA
Lead	ug/l	5	< 0.94	< 0.94	< 0.94	1.7 J	< 3	< 0.94	1.5 J	< 0.94	NA	NA	NA
Magnesium	ug/l	NS	17900	12700	1100 B	1190 B	1130 B	1120 B	1780 B	17800	NA	NA	NA
Manganese	ug/l	50	**109**	10 J	12.6 B	8.1 B	15.5	15.5	**272**	35.7	NA	NA	NA
Mercury	ug/l	2	< 0.088	< 0.088	< 0.2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	NA	NA	NA
Nickel	ug/l	100	< 10	10.9	1.5 J	1.9 J	< 10	< 10	3.6 B	5.3 B	NA	NA	NA
Potassium	ug/l	NS	4560 B	1890 B	446 J	513 B	421 B	441 B	1190 B	5000 B	NA	NA	NA
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	NA	NA
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.66	NA	NA	NA
Sodium	ug/l	50,000	26300	5240 B	1510 B	1660 B	1500 B	1490 B	2080 B	9620 B	NA	NA	NA
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA
Vanadium	ug/l	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.7	NA	NA	NA
Zinc	ug/l	2000	< 20	< 1.7	690	198 J	1400	1260	25.9 J	111	NA	NA	NA
Other													
Alkalinity, total (as CaCO3)	ug/l	NS	235000	126000	8100	9700	9700	8100	52400	215000	< 5000	< 5000	< 5000
Chloride	ug/l	250000	3100	2500	< 2000	< 2000	< 2000	< 2000	< 2000	4100	< 2000	< 2000	< 2000
Sulfate	ug/l	250000	67600	45700	< 10000	< 10000	< 10000	< 10000	< 10000	43500	< 10000	< 10000	< 10000

Location ID			FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB
Sample ID		GWQS[1]	FB(051911)	FB(052011)	FB(052311)	FB(052411)	FB(052511)	FB(052611)	FB(052711)	FB(053111)	FB(060111)	FB(060211)	FB(060311)	FB(060711) JA77895	TB(051611)	TB(051811)	TB(051911)
Sample Date			5/19/2011	5/20/2011	5/23/2011	5/24/2011	5/25/2011	5/26/2011	5/27/2011	5/31/2011	6/1/2011	6/2/2011	6/3/2011	6/7/2011	5/17/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																	
1,1,1-Trichloroethane	ug/l	30	< 0.2	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.12	< 0.12	< 0.12
1,1,2-Trichloroethane	ug/l	3	< 0.13	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.13	< 0.13	< 0.13
1,1-Dichloroethane	ug/l	50	< 0.16	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	ug/l	1	< 0.24	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.24	< 0.24	< 0.24
1,2,4-Trichlorobenzene	ug/l	9	< 0.16	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.2*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	NA	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.2*	< 1.2*	< 1.2*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.39*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	NA	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	ug/l	600	< 0.15	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.15	< 0.15	< 0.15
1,2-Dichloroethane	ug/l	2	< 0.31	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.31	< 0.31	< 0.31
1,2-Dichloropropane	ug/l	1	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23
1,3-Dichlorobenzene	ug/l	600	< 0.19	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.19	< 0.19	< 0.19
1,4-Dichlorobenzene	ug/l	75	< 0.22	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	NA	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	ug/l	300	< 1.7	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.7	< 1.7	< 1.7
2-Hexanone	ug/l	NS	< 1.9	< 3	< 3	< 3	< 3 J	< 3	NA	< 3	< 3	< 3	< 3	< 3	< 1.9	< 1.9	< 1.9
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 0.74	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	NA	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.74	< 0.74	< 0.74
Acetone	ug/l	6000	< 4.4	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	NA	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 4.4	< 4.4	< 4.4
Benzene	ug/l	1	< 0.26	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.26	< 0.26	< 0.26
Bromodichloromethane	ug/l	1	< 0.18	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.18	< 0.18	< 0.18
Bromoform	ug/l	4	< 0.42	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.42	< 0.42	< 0.42
Bromomethane	ug/l	10	< 0.24	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.24	< 0.24	< 0.24
Carbon disulfide	ug/l	700	< 0.13	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.13	< 0.13	< 0.13
Carbon tetrachloride	ug/l	1	< 0.35	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.35	< 0.35	< 0.35
Chlorobenzene	ug/l	50	< 0.15	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.15	< 0.15	< 0.15
Chloroethane	ug/l	NS	< 0.25	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	NA	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.25	< 0.25	< 0.25
Chloroform	ug/l	70	< 0.14	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.14	< 0.14	< 0.14
Chloromethane	ug/l	NS	< 0.34	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.34	< 0.34	< 0.34
cis-1,2-Dichloroethene	ug/l	70	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.24	< 0.24
cis-1,3-Dichloropropene	ug/l	NS	< 0.16	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.16	< 0.16	< 0.16
Cyclohexane	ug/l	NS	< 0.43	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.43	< 0.43	< 0.43
Dibromochloromethane	ug/l	1	< 0.16	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	ug/l	1,000	< 0.39	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.39	< 0.39	< 0.39
Ethylbenzene	ug/l	700	< 0.31	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.31	< 0.31	< 0.31
Freon 113	ug/l	NS	< 0.66	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	NA	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.66	< 0.66	< 0.66
Isopropylbenzene	ug/l	700	< 0.31	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.31	< 0.31	< 0.31
Methyl acetate	ug/l	7000	< 1.3	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.3	< 1.3	< 1.3
Methyl tert butyl ether	ug/l	70	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.2	< 0.2
Methylcyclohexane	ug/l	NS	< 0.16	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.16	< 0.16	< 0.16
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.48	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.48	< 0.48	< 0.48
Tetrachloroethene	ug/l	1	< 0.24	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	NA	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.24	< 0.24	< 0.24
Toluene	ug/l	1000	< 0.27	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.27	< 0.27	< 0.27
Trans-1,2-dichloroethene	ug/l	100	< 0.3	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3	< 0.3	< 0.3
trans-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.22	< 0.22	< 0.22
Trichloroethene	ug/l	1	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.22
Trichlorofluoromethane	ug/l	2000	< 0.23	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.23	< 0.23	< 0.23
Vinyl Chloride	ug/l	1	< 0.22	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.22	< 0.22	< 0.22
Xylenes	ug/l	1,000	< 0.28	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.28	< 0.28	< 0.28
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	NA	0	0	0	0	0	0	0	0

Location ID			FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB
Sample ID		GWQS[1]	FB(051911)	FB(052011)	FB(052311)	FB(052411)	FB(052511)	FB(052611)	FB(052711)	FB(053111)	FB(060111)	FB(060211)	FB(060311)	FB(060711) JA77895	TB(051611)	TB(051811)	TB(051911)
Sample Date			5/19/2011	5/20/2011	5/23/2011	5/24/2011	5/25/2011	5/26/2011	5/27/2011	5/31/2011	6/1/2011	6/2/2011	6/3/2011	6/7/2011	5/17/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																	
1,1'-Biphenyl	ug/l	400	< 0.42	< 0.47	< 0.45	< 0.44	< 0.46	< 0.44	< 0.49	< 0.42	< 0.42	< 0.45	< 0.47	< 0.46	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	700	< 1.3	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.3	< 1.3	< 1.4	< 1.5	< 1.4	NA	NA	NA
2,4,6-Trichlorophenol	ug/l	20	< 1.2	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.2	< 1.2	< 1.3	< 1.4	< 1.3	NA	NA	NA
2,4-Dichlorophenol	ug/l	20	< 1.2	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.2	< 1.2	< 1.3	< 1.4	< 1.3	NA	NA	NA
2,4-Dimethylphenol	ug/l	100	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.9	< 1.7	< 1.7	< 1.8	< 1.8	< 1.8	NA	NA	NA
2,4-Dinitrophenol	ug/l	40	< 0.74	< 0.82	< 0.79	< 0.78	< 0.8	< 0.78	< 0.86	< 0.74	< 0.74	< 0.79	< 0.82	< 0.8	NA	NA	NA
2,4-Dinitrotoluene	ug/l	NS	< 0.22	< 0.24	< 0.24	< 0.23	< 0.24	< 0.23	< 0.26	< 0.22	< 0.22	< 0.24	< 0.24	< 0.24	NA	NA	NA
2,6-Dinitrotoluene	ug/l	NS	< 0.33	< 0.36	< 0.35	< 0.34	< 0.35	< 0.34	< 0.38	< 0.33	< 0.33	< 0.35	< 0.36	< 0.35	NA	NA	NA
2-Chloronaphthalene	ug/l	600	< 0.42	< 0.46	< 0.45	< 0.44	< 0.45	< 0.44	< 0.48	< 0.42	< 0.42	< 0.45	< 0.46	< 0.45	NA	NA	NA
2-Chlorophenol	ug/l	40	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	NA	NA	NA
2-Methylnaphthalene	ug/l	NS	< 0.66	< 0.73	< 0.71	< 0.69	< 0.72	< 0.69	< 0.77	< 0.66	< 0.66	< 0.71	< 0.73	< 0.72	NA	NA	NA
2-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	NA	NA	NA
2-Nitroaniline	ug/l	NS	< 0.24	< 0.26	< 0.25	< 0.25	< 0.26	< 0.25	< 0.27	< 0.24	< 0.24	< 0.25	< 0.26	< 0.26	NA	NA	NA
2-Nitrophenol	ug/l	NS	< 1.2	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.2	< 1.2	< 1.3	< 1.4	< 1.3	NA	NA	NA
3&4-Methylphenol	ug/l	NS	< 1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1	< 1	< 1.1	< 1.2	< 1.1	NA	NA	NA
3,3'-Dichlorobenzidine	ug/l	30	< 0.3	< 0.33	< 0.32	< 0.31	< 0.32	< 0.31	< 0.34	< 0.3	< 0.3	< 0.32	< 0.33	< 0.32	NA	NA	NA
3-Nitroaniline	ug/l	NS	< 0.29	< 0.32	< 0.31	< 0.3	< 0.31	< 0.3	< 0.33	< 0.29	< 0.29	< 0.31	< 0.32	< 0.31	NA	NA	NA
4,6-Dinitro-2-methylphenol	ug/l	NS	< 0.51	< 0.57	< 0.55	< 0.54	< 0.56	< 0.54	< 0.6	< 0.51	< 0.51	< 0.55	< 0.57	< 0.56	NA	NA	NA
4-Bromophenyl phenyl ether	ug/l	NS	< 0.35	< 0.39	< 0.38	< 0.37	< 0.38	< 0.37	< 0.41	< 0.35	< 0.35	< 0.38	< 0.39	< 0.38	NA	NA	NA
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	NA	NA	NA
4-Chloroaniline	ug/l	30	< 0.25	< 0.28	< 0.27	< 0.27	< 0.28	< 0.27	< 0.29	< 0.25	< 0.25	< 0.27	< 0.28	< 0.28	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.35	< 0.39	< 0.38	< 0.37	< 0.38	< 0.37	< 0.41	< 0.35	< 0.35	< 0.38	< 0.39	< 0.38	NA	NA	NA
4-Nitroaniline	ug/l	NS	< 0.18	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.21	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	NA	NA	NA
4-Nitrophenol	ug/l	NS	< 0.83	< 0.92	< 0.89 J	< 0.87	< 0.9	< 0.87	< 0.96	< 0.83	< 0.83	< 0.89	< 0.92	< 0.9	NA	NA	NA
Acetophenone	ug/l	700	< 0.4	< 0.44	< 0.43	0.87 J	11.4	< 0.42	< 0.46	< 0.4	< 0.4	< 0.43	< 0.44	< 0.43	NA	NA	NA
Atrazine	ug/l	3	< 0.39	< 0.43	< 0.42	< 0.41	< 0.43	< 0.41	< 0.45	< 0.39	< 0.39	< 0.42	< 0.43	< 0.43	NA	NA	NA
Benzaldehyde	ug/l	NS	< 0.4	< 0.45	< 0.43	< 0.43	< 0.44	< 0.43	< 0.47	< 0.4	< 0.4	< 0.43	< 0.45	< 0.44	NA	NA	NA
Benzyl butyl phthalate	ug/l	100	< 0.25	< 0.28	< 0.27	< 0.26	< 0.27	< 0.26	< 0.29	< 0.25	< 0.25	< 0.27	< 0.28	< 0.27	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.25	< 0.28	< 0.27	< 0.26	< 0.27	< 0.26	< 0.29	< 0.25	< 0.25	< 0.27	< 0.28	< 0.27	NA	NA	NA
bis(2-Chloroethyl)ether	ug/l	7	< 0.31	< 0.34	< 0.33	< 0.33	< 0.34	< 0.33	< 0.36	< 0.31	< 0.31	< 0.33	< 0.34	< 0.34	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/l	300	< 0.39	< 0.43	< 0.42	< 0.41	< 0.42	< 0.41	< 0.45	< 0.39	< 0.39	< 0.42	< 0.43	< 0.42	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/l	3	< 0.33	< 0.36	< 0.35	< 0.34	< 0.36	< 0.34	< 0.38	< 0.33	< 0.33	< 0.35	**4.3 B**	**26.8 B**	NA	NA	NA
Caprolactam	ug/l	NS	< 0.2	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.23	< 0.2	< 0.2	< 0.21	< 0.22	< 0.21	NA	NA	NA
Carbazole	ug/l	NS	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.17	< 0.19	< 0.17	< 0.17	< 0.18	< 0.18	< 0.18	NA	NA	NA
Dibenzofuran	ug/l	NS	< 0.3	< 0.34	< 0.33	< 0.32	< 0.33	< 0.32	< 0.35	< 0.3	< 0.3	< 0.33	< 0.34	< 0.33	NA	NA	NA
Diethyl phthalate	ug/l	6000	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.17	< 0.19	< 0.17	< 0.17	< 0.18	< 0.18	< 0.18	NA	NA	NA
Dimethyl phthalate	ug/l	NS	< 0.23	< 0.25	< 0.24	< 0.24	< 0.24	< 0.24	< 0.26	< 0.23	< 0.23	< 0.24	< 0.25	< 0.24	NA	NA	NA
di-n-butyl phthalate	ug/l	700	< 0.19	< 0.21	< 0.21	< 0.2	< 0.21	< 0.2	< 0.22	< 0.19	< 0.19	< 0.21	< 0.21	< 0.21	NA	NA	NA
di-n-octylphthalate	ug/l	100	< 0.4	< 0.44	< 0.42	< 0.42	< 0.43	< 0.42	< 0.46	< 0.4	< 0.4	< 0.42	< 0.44	< 0.43	NA	NA	NA
Hexachlorobutadiene	ug/l	1	< 0.13	< 0.14	< 0.14	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	NA	NA	NA
Hexachlorocyclopentadiene	ug/l	40	< 0.24	< 0.27	< 0.26 J	< 0.26	< 0.27	< 0.26	< 0.28	< 0.24	< 0.24	< 0.26	< 0.27	< 0.27	NA	NA	NA
Hexachloroethane	ug/l	7	< 0.21	< 0.23	< 0.22	< 0.22	< 0.23	< 0.22	< 0.24	< 0.21	< 0.21	< 0.22	< 0.23	< 0.23	NA	NA	NA
Isophrone	ug/l	40	< 0.25	< 0.28	< 0.27	< 0.26	< 0.27	< 0.26	< 0.29	< 0.25	< 0.25	< 0.27	< 0.28	< 0.27	NA	NA	NA
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	< 0.25	< 0.28	< 0.27	< 0.27	< 0.28	< 0.27	< 0.29	< 0.25	< 0.25	< 0.27	< 0.28	< 0.28	NA	NA	NA
N-Nitroso-di-n-Propylamine	ug/l	10	< 0.44	< 0.49	< 0.47	< 0.46	< 0.48	< 0.46	< 0.51	< 0.44	< 0.44	< 0.47	< 0.49	< 0.48	NA	NA	NA
N-Nitrosodiphenylamine	ug/l	10	< 0.22	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25	< 0.22	< 0.22	< 0.23	< 0.24	< 0.23	NA	NA	NA
Phenol	ug/l	2000	< 0.58	< 0.64	< 0.62	< 0.61	< 0.63	< 0.61	< 0.67	< 0.58	< 0.58	< 0.62	< 0.64	< 0.63	NA	NA	NA
Total TIC, Semi-Volatile	ug/l	NS	0	0	0	4.3 J	0	0	0	0	0	0	0	0	NA	NA	NA

Location ID			FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB
Sample ID		GWQS[1]	FB(051911)	FB(052011)	FB(052311)	FB(052411)	FB(052511)	FB(052611)	FB(052711)	FB(053111)	FB(060111)	FB(060211)	FB(060311)	FB(060711) JA77895	TB(051611)	TB(051811)	TB(051911)
Sample Date			5/19/2011	5/20/2011	5/23/2011	5/24/2011	5/25/2011	5/26/2011	5/27/2011	5/31/2011	6/1/2011	6/2/2011	6/3/2011	6/7/2011	5/17/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM																	
Acenaphthene	ug/l	400	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015	< 0.014	< 0.016	< 0.014	< 0.014	< 0.015	< 0.015	< 0.015	NA	NA	NA
Acenaphthylene	ug/l	NS	< 0.016	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.019	< 0.016	< 0.016	< 0.017	< 0.018	< 0.018	NA	NA	NA
Anthracene	ug/l	2000	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.012	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	NA	NA	NA
Benzo(a)anthracene	ug/l	0.1 [0.2]	< 0.015	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.018	< 0.015	< 0.015	< 0.016	< 0.017	< 0.016	NA	NA	NA
Benzo(a)pyrene	ug/l	0.1 [0.2]	< 0.0049	< 0.0054	< 0.0053	< 0.0052	< 0.0053	< 0.0052	< 0.0057	< 0.0049	< 0.0049	< 0.0053	< 0.0054	< 0.0053	NA	NA	NA
Benzo(b)fluoranthene	ug/l	0.2 [10]	< 0.016	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.019	< 0.016	< 0.016	< 0.018	< 0.018	< 0.018	NA	NA	NA
Benzo(g,h,i)perylene	ug/l	NS	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.012	< 0.01	< 0.01	< 0.011	< 0.011	< 0.011	NA	NA	NA
Benzo(k)fluoranthene	ug/l	0.5	< 0.013	< 0.014	< 0.013	< 0.013	< 0.014	< 0.013	< 0.015	< 0.013	< 0.013	< 0.013	< 0.014	< 0.014	NA	NA	NA
Chrysene	ug/l	5	< 0.023	< 0.026	< 0.025	< 0.024	< 0.025	< 0.024	< 0.027	< 0.023	< 0.023	< 0.025	< 0.026	< 0.025	NA	NA	NA
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.024	< 0.026	< 0.023	< 0.023	< 0.024	< 0.025	< 0.024	NA	NA	NA
Fluoranthene	ug/l	300	< 0.0096	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.011	< 0.0096	< 0.0096	< 0.01	< 0.011	< 0.01	NA	NA	NA
Fluorene	ug/l	300	< 0.015	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	< 0.015	< 0.015	< 0.016	< 0.017	< 0.016	NA	NA	NA
Hexachlorobenzene	ug/l	0.02 [10]	< 0.008	< 0.0089	< 0.0086	< 0.0084	< 0.0087	< 0.0084	< 0.0093	< 0.008	< 0.008	< 0.0086	< 0.0089	< 0.0087	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	< 0.011	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.012	NA	NA	NA
Naphthalene	ug/l	300	< 0.016	< 0.018	< 0.017	< 0.017	3.2	< 0.017	< 0.019	< 0.016	< 0.016	< 0.017	< 0.018	< 0.018	NA	NA	NA
Pentachlorophenol	ug/l	0.3 [1]	< 0.29	< 0.32*	< 0.31*	< 0.3	< 0.31*	< 0.3	< 0.33*	< 0.29	< 0.29	< 0.31*	< 0.32*	< 0.31*	NA	NA	NA
Phenanthrene	ug/l	NS	< 0.016	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.018	< 0.016	< 0.016	< 0.017	< 0.017	< 0.017	NA	NA	NA
Pyrene	ug/l	200	< 0.0081	< 0.009	< 0.0087	< 0.0085	< 0.0088	< 0.0085	< 0.0094	< 0.0081	< 0.0081	< 0.0087	< 0.009	< 0.0088	NA	NA	NA
PCBs																	
PCB 1016	ug/l	0.5	< 0.13	< 0.13	< 0.13	< 0.14	< 0.14	< 0.13	NA	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	NA	NA	NA
PCB 1221	ug/l	0.5	< 0.27	< 0.27	< 0.27	< 0.3	< 0.3	< 0.29	NA	< 0.27	< 0.28	< 0.28	< 0.28	< 0.3	NA	NA	NA
PCB 1232	ug/l	0.5	< 0.39	< 0.39	< 0.39	< 0.43	< 0.43	< 0.41	NA	< 0.39	< 0.39	< 0.39	< 0.39	< 0.42	NA	NA	NA
PCB 1242	ug/l	0.5	< 0.086	< 0.087	< 0.086	< 0.096	< 0.095	< 0.091	NA	< 0.086	< 0.088	< 0.088	< 0.088	< 0.095	NA	NA	NA
PCB 1248	ug/l	0.5	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16	< 0.15	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	NA	NA	NA
PCB 1254	ug/l	0.5	< 0.14	< 0.14	< 0.14	< 0.16	< 0.16	< 0.15	NA	< 0.14	< 0.14	< 0.14	< 0.14	< 0.15	NA	NA	NA
PCB 1260	ug/l	0.5	< 0.21	< 0.21	< 0.21	< 0.23	< 0.23	< 0.22	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.23	NA	NA	NA
Total PCBs	ug/l	0.5	0	0	0	0	0	0	NA	0	0	0	0	0	NA	NA	NA
Metals - Total																	
Aluminum	ug/l	200	< 7.2	< 7.2	< 7.2	8.7 B	10.4 B	< 7.2	11.9 B	< 7.2	< 7.2	< 7.2	< 7.2	8.8 B	NA	NA	NA
Antimony	ug/l	6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA	NA
Arsenic	ug/l	3 [8]	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	0.32 B	NA	NA	NA
Barium	ug/l	2000	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	NA	NA	NA
Beryllium	ug/l	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.13	< 0.24	< 0.24	< 0.24	NA	NA	NA
Cadmium	ug/l	4	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA	NA
Calcium	ug/l	NS	< 9	12.6 B	85.8 B	9.1 B	13 B	21.5 B	9.6 B	11.2 B	23.6 B	< 9	< 9	12.3 B	NA	NA	NA
Chromium	ug/l	70	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA	NA	NA
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	NA	NA
Copper	ug/l	1,300	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	0.9 B	< 0.85	< 0.85	< 0.85	< 0.85	NA	NA	NA
Iron	ug/l	300	< 7.7	15 B	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	NA	NA	NA
Lead	ug/l	5	< 1.1	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	NA	NA	NA
Magnesium	ug/l	NS	< 17	< 17	< 17	< 17	< 17	28 B	< 17	< 17	< 17	< 17	< 17	< 17	NA	NA	NA
Manganese	ug/l	50	< 0.18	0.4 B	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	0.6 B	< 0.18	< 0.18	< 0.18	NA	NA	NA
Mercury	ug/l	2	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	< 0.088	NA	NA	NA
Nickel	ug/l	100	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	NA	NA	NA
Potassium	ug/l	NS	39.8 B	< 16	< 16	< 16	< 16	< 16	< 16	< 16	17.7 B	< 16	139 B	< 16	NA	NA	NA
Selenium	ug/l	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	NA	NA
Silver	ug/l	40	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	NA	NA	NA
Sodium	ug/l	50,000	22.8 B	15.9 B	< 14	42.6 B	< 14	< 14	< 14	14.7 B	< 14	29.8 B	106 B	23.3 B	NA	NA	NA
Thallium	ug/l	2 [10]	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	1.3 B	< 0.17	< 0.17	< 0.17	0.032 B	NA	NA	NA
Vanadium	ug/l	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	NA	NA	NA
Zinc	ug/l	2000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	8.9 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	NA	NA

Location ID			FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB
Sample ID		GWQS[1]	FB(051911)	FB(052011)	FB(052311)	FB(052411)	FB(052511)	FB(052611)	FB(052711)	FB(053111)	FB(060111)	FB(060211)	FB(060311)	FB(060711) JA77895	TB(051611)	TB(051811)	TB(051911)
Sample Date			5/19/2011	5/20/2011	5/23/2011	5/24/2011	5/25/2011	5/26/2011	5/27/2011	5/31/2011	6/1/2011	6/2/2011	6/3/2011	6/7/2011	5/17/2011	5/18/2011	5/19/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved																	
Aluminum	ug/l	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ug/l	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/l	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/l	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/l	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/l	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	ug/l	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	ug/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ug/l	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/l	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/l	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	ug/l	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	ug/l	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/l	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/l	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																	
Alkalinity, total (as CaCO3)	ug/l	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	NA	NA	NA
Chloride	ug/l	250000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	NA	NA	NA
Sulfate	ug/l	250000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA

Location ID			TB	TB	TB	TB	TB	TB	TB
Sample ID		GWQS[1]	TB(052311)	TB(052411)	TB(052511)	TB(052611)	TB(053111)	TB(060211)	TB(060711) (JA77895)
Sample Date			5/23/2011	5/24/2011	5/25/2011	5/27/2011	6/1/2011	6/3/2011	6/7/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
VOC									
1,1,1-Trichloroethane	ug/l	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	ug/l	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
1,1-Dichloroethene	ug/l	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	ug/l	9	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	ug/l	0.03 [0.5]	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*	< 0.21*
1,2-Dichlorobenzene	ug/l	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/l	2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloropropane	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
1,3-Dichlorobenzene	ug/l	600	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,4-Dichlorobenzene	ug/l	75	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
2-Butanone (MEK)	ug/l	300	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
2-Hexanone	ug/l	NS	< 3	< 3	< 3 J	< 3	< 3	< 3	< 3
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Acetone	ug/l	6000	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
Benzene	ug/l	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromodichloromethane	ug/l	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromoform	ug/l	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromomethane	ug/l	10	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	ug/l	700	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Carbon tetrachloride	ug/l	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	ug/l	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	ug/l	70	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,2-Dichloroethene	ug/l	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	ug/l	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	ug/l	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Ethylbenzene	ug/l	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Isopropylbenzene	ug/l	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	ug/l	7000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	ug/l	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	100	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Tetrachloroethene	ug/l	1	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Toluene	ug/l	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	ug/l	100	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
trans-1,3-Dichloropropene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichlorofluoromethane	ug/l	2000	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	ug/l	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Xylenes	ug/l	1,000	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	0

Location ID			TB	TB	TB	TB	TB	TB	TB
Sample ID		GWQS[1]	TB(052311)	TB(052411)	TB(052511)	TB(052611)	TB(053111)	TB(060211)	TB(060711) (JA77895)
Sample Date			5/23/2011	5/24/2011	5/25/2011	5/27/2011	6/1/2011	6/3/2011	6/7/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
SVOC									
1,1'-Biphenyl	ug/l	400	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	700	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/l	20	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/l	20	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/l	100	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ug/l	40	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/l	600	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ug/l	40	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ug/l	30	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	ug/l	30	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ug/l	700	NA	NA	NA	NA	NA	NA	NA
Atrazine	ug/l	3	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	ug/l	100	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/l	7	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/l	300	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/l	3	NA	NA	NA	NA	NA	NA	NA
Caprolactam	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Carbazole	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ug/l	6000	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	ug/l	700	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	ug/l	100	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	ug/l	1	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ug/l	7	NA	NA	NA	NA	NA	NA	NA
Isophrone	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	6	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	ug/l	10	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/l	10	NA	NA	NA	NA	NA	NA	NA
Phenol	ug/l	2000	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	ug/l	NS	NA	NA	NA	NA	NA	NA	NA

Location ID			TB	TB	TB	TB	TB	TB	TB
Sample ID		GWQS[1]	TB(052311)	TB(052411)	TB(052511)	TB(052611)	TB(053111)	TB(060211)	TB(060711) (JA77895)
Sample Date			5/23/2011	5/24/2011	5/25/2011	5/27/2011	6/1/2011	6/3/2011	6/7/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM									
Acenaphthene	ug/l	400	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Anthracene	ug/l	2000	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/l	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/l	0.2 [10]	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
Chrysene	ug/l	5	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/l	0.3 [0.5]	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Fluorene	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/l	0.02 [10]	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/l	0.2 [10]	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ug/l	0.3 [1]	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Pyrene	ug/l	200	NA	NA	NA	NA	NA	NA	NA
PCBs									
PCB 1016	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1221	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1232	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1242	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1248	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1254	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
PCB 1260	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA
Metals - Total									
Aluminum	ug/l	200	NA	NA	NA	NA	NA	NA	NA
Antimony	ug/l	6	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/l	3 [8]	NA	NA	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/l	1	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/l	4	NA	NA	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/l	70	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Copper	ug/l	1,300	NA	NA	NA	NA	NA	NA	NA
Iron	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/l	50	NA	NA	NA	NA	NA	NA	NA
Mercury	ug/l	2	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/l	100	NA	NA	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Silver	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Sodium	ug/l	50,000	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/l	2 [10]	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/l	2000	NA	NA	NA	NA	NA	NA	NA

Location ID			TB	TB	TB	TB	TB	TB	TB
Sample ID		GWQS[1]	TB(052311)	TB(052411)	TB(052511)	TB(052611)	TB(053111)	TB(060211)	TB(060711) (JA77895)
Sample Date			5/23/2011	5/24/2011	5/25/2011	5/27/2011	6/1/2011	6/3/2011	6/7/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved									
Aluminum	ug/l	200	NA	NA	NA	NA	NA	NA	NA
Antimony	ug/l	6	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/l	3 [8]	NA	NA	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/l	1	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/l	4	NA	NA	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/l	70	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Copper	ug/l	1,300	NA	NA	NA	NA	NA	NA	NA
Iron	ug/l	300	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/l	50	NA	NA	NA	NA	NA	NA	NA
Mercury	ug/l	2	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/l	100	NA	NA	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Silver	ug/l	40	NA	NA	NA	NA	NA	NA	NA
Sodium	ug/l	50,000	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/l	2 [10]	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/l	2000	NA	NA	NA	NA	NA	NA	NA
Other									
Alkalinity, total (as CaCO3)	ug/l	NS	NA	NA	NA	NA	NA	NA	NA
Chloride	ug/l	250000	NA	NA	NA	NA	NA	NA	NA
Sulfate	ug/l	250000	NA	NA	NA	NA	NA	NA	NA

Results are presented in micrograms per liter (ug/L) unless otherwise noted.

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
1	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Well		OB-19	OB-20A	OB-20B	OB-20B Dup	OB-21	OB-21 Dup	RW-05(40-51)	RW-05(53-64)	RW-5(64-75)	RW-5 (100-120)	RW-06(70-81)	RW-6 (100-120)	RW-07(34-35)	RW-07(49-60)	RW-07(80-100)	RW-07(105-120)	SC-1	
Sample Name		MW-19	MW-20	MW-20 OB-34	REP100406	MW-21	REP100506	RW-05(40-51)	RW-05(53-64)	RW-5(64-75)	RW-5 (100-120)	RW-06(70-81)	RW-6 (100-120)	RW-07(34-35)	RW-07(49-60)	RW-07(80-100)	RW-07(105-120)	SC-1	FB092606
Sample Date	GWQS[1]	10/3/2006	10/4/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006	9/27/2006	9/27/2006	9/29/2006	10/5/2006	9/27/2006	10/10/2006	9/26/2006	9/26/2006	9/28/2006	9/28/2006	10/5/2006	9/26/2006
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																			
1,1,1 -Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	0.43 J	< 0.23	< 0.23	< 0.23	0.56 J	< 0.23	< 0.23	1.2	0.59 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **
1,2-Dibromoethane	0.03 [0.5]	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.34 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	0.55 J	0.36 J	**2**	**1.9**	< 0.21	< 0.21	1	**3**	< 0.21	**1.8**	**2.6**	**4**	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29	< 0.29	< 0.29 J	< 0.29 J	< 0.29	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29	< 0.29 J	< 0.29	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29	< 0.29 J
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	3.1	< 0.56	4.5	3.8	< 0.56	< 0.56	6.5	6	< 0.56	18.7	5.1	15	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.88 J	< 0.5	< 0.5	0.67 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.67 J	0.38 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	0.73 J	0.69 J	< 0.2	< 0.2	< 0.2	1.4 J	< 0.2	< 0.2	1 J	0.87 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	0.34 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	0.86 J	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.2	0.56 J	0.62 J	0.64 J	< 0.2	< 0.2	21.8	2	0.71 J	7.2	3.8	2.2	20.6	3.7	1	1.8	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylene, -m,p	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	2.1	6	< 0.42	< 0.42	3.3	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	2.9	6	< 0.31	< 0.31	3.3	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2 J	0
SVOC																			
1,1'-Biphenyl	400	< 0.36	< 0.36	< 0.34	< 0.35	< 0.36	< 0.35	< 0.47	< 0.38	< 0.38	< 0.36	< 0.36	< 0.41	< 0.33	< 0.33	< 0.34	< 0.34	< 0.33	< 0.34
2,4,5-Trichlorophenol	700	< 2.1	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.8	< 2.2	< 2.3	< 2.1	< 2.1	< 2.4	< 1.9	< 1.9	< 2	< 2	< 1.9	< 2
2,4,6-Trichlorophenol	20	< 1.4	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.8	< 1.5	< 1.5	< 1.4	< 1.4	< 1.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
2,4-Dichlorophenol	20	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7	< 2.2	< 1.8	< 1.8	< 1.7	< 1.7	< 2	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2,4-Dimethylphenol	100	< 1.8	< 1.8	< 1.7	< 1.7	< 1.8	< 1.8	< 2.3	< 1.9	< 1.9	< 1.8	< 1.8	< 2.1	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7
2,4-Dinitrophenol	40	< 0.99	< 0.97	< 0.94	< 0.95	< 0.97	< 0.96	< 1.3	< 1	< 1	< 0.99	< 0.97	< 1.1 J	< 0.89	< 0.89	< 0.94	< 0.94	< 0.89	< 0.94
2,4-Dinitrotoluene	10	< 0.96	< 0.93	< 0.91	< 0.91	< 0.93	< 0.92	< 1.2	< 1	< 1	< 0.96	< 0.93	< 1.1 J	< 0.86	< 0.86	< 0.91	< 0.91	< 0.86	< 0.91
2,6-Dinitrotoluene	10	< 0.62	< 0.61	< 0.59	< 0.59	< 0.61	< 0.6	< 0.8	< 0.65	< 0.66	< 0.62	< 0.61	< 0.7	< 0.56	< 0.56	< 0.59	< 0.59	< 0.56	< 0.59
2-Chloronaphthalene	600	< 1.1	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.4	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 0.98	< 0.98	< 1	< 1	< 0.98	< 1
2-Chlorophenol	40	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1.4	< 1.1	< 1.1	< 1.1	< 1	< 1.2	< 0.95	< 0.95	< 1	< 1	< 0.95	< 1
2-Methylnaphthalene	NS	< 0.45	< 0.44	< 0.43	< 0.43	< 0.44	< 0.44	< 0.58	< 0.47	< 0.48	< 0.45	< 0.44	< 0.51	< 0.41	< 0.41	< 0.43	< 0.43	< 0.41	< 0.43
2-Methylphenol	NS	< 1.5	< 1.5	< 1.4	< 1.4	< 1.5	< 1.5	< 1.9	< 1.6	< 1.6	< 1.5	< 1.5	< 1.7	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.74	< 0.72	< 0.7	< 0.7	< 0.72	< 0.71	< 0.95	< 0.77	< 0.78	< 0.74	< 0.72	< 0.83	< 0.66	< 0.66	< 0.7	< 0.7	< 0.66	< 0.7
2-Nitrophenol	NS	< 2	< 2	< 1.9	< 1.9	< 2	< 1.9	< 2.6	< 2.1	< 2.1	< 2	< 2	< 2.3	< 1.8	< 1.8	< 1.9	< 1.9	< 1.8	< 1.9
3&4-Methylphenol	NS	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.4	< 1.8	< 1.5	< 1.5	< 1.4	< 1.4	< 1.6	< 1.3	< 1.3	< 1.3	< 1.3	14.8	< 1.3
3,3'-Dichlorobenzidine	30	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.7	< 1.4	< 1.4	< 1.4	< 1.3	< 1.5	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3
3-Nitroaniline	NS	< 1.4	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.8	< 1.5	< 1.5	< 1.4	< 1.4	< 1.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4,6-Dinitro-o-cresol	NS	< 0.8	< 0.78	< 0.76	< 0.77	< 0.78	< 0.78	< 1	< 0.84	< 0.85	< 0.8	< 0.78	< 0.9	< 0.72	< 0.72	< 0.76	< 0.76	< 0.72	< 0.76
4-Bromophenyl phenyl ether	NS	< 0.33	< 0.33	< 0.31	< 0.32	< 0.33	< 0.32	< 0.43	< 0.35	< 0.35	< 0.33	< 0.33	< 0.37	< 0.3	< 0.3	< 0.31	< 0.31	< 0.3	< 0.31
4-Chloro-3-Methylphenol	NS	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.3	< 1.7	< 1.4	< 1.4	< 1.3	< 1.3	< 1.5	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Chloroaniline	30	< 0.44	< 0.43	< 0.42	< 0.42	< 0.43	< 0.43	< 0.57	< 0.46	< 0.47	< 0.44	< 0.43	< 0.5	< 0.4	< 0.4	< 0.42	< 0.42	< 0.4	< 0.42
4-Chlorophenyl phenyl ether	NS	< 0.48	< 0.47	< 0.45	< 0.46	< 0.47	< 0.46	< 0.62	< 0.5	< 0.51	< 0.48	< 0.47	< 0.54	< 0.43	< 0.43	< 0.45	< 0.45	< 0.43	< 0.45
4-Nitroaniline	NS	< 0.8	< 0.78	< 0.76	< 0.77	< 0.78	< 0.78	< 1	< 0.84	< 0.85	< 0.8	< 0.78	< 0.9	< 0.72	< 0.72	< 0.76	< 0.76	< 0.72	< 0.76
4-Nitrophenol	NS	< 0.94	< 0.92	< 0.89	< 0.9	< 0.92	< 0.91	< 1.2	< 0.98	< 0.99	< 0.94	< 0.92	< 1.1	< 0.84	< 0.84	< 0.89	< 0.89	< 0.84	< 0.89
Acetophenone	700	< 0.42	< 0.41	< 0.39	< 0.4	< 0.41	< 0.4	< 0.53	< 0.43	< 0.44	< 0.42	< 0.41	< 0.47	< 0.37	< 0.37	< 0.39	< 0.39	< 0.37	< 0.39

Well		OB-19	OB-20A	OB-20B	OB-20B Dup	OB-21	OB-21 Dup	RW-05(40-51)	RW-05(53-64)	RW-5(64-75)	RW-5 (100-120)	RW-06(70-81)	RW-6 (100-120)	RW-07(34-35)	RW-07(49-60)	RW-07(80-100)	RW-07(105-120)	SC-1	
Sample Name		MW-19	MW-20	MW-20 OB-34	REP100406	MW-21	REP100506	RW-05(40-51)	RW-05(53-64)	RW-5(64-75)	RW-5 (100-120)	RW-06(70-81)	RW-6 (100-120)	RW-07(34-35)	RW-07(49-60)	RW-07(80-100)	RW-07(105-120)	SC-1	FB092606
Sample Date	GWQS[1]	10/3/2006	10/4/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006	9/27/2006	9/27/2006	9/29/2006	10/5/2006	9/27/2006	10/10/2006	9/26/2006	9/26/2006	9/28/2006	9/28/2006	10/5/2006	9/26/2006
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Atrazine	3	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.18	< 0.23	< 0.19	< 0.19	< 0.18	< 0.18	< 0.2	< 0.16	< 0.16	< 0.17	< 0.17	< 0.16	< 0.17
Benzaldehyde	NS	< 0.29	< 0.29	< 0.28	< 0.28	< 0.29	< 0.28	< 0.38	< 0.31	< 0.31	< 0.29	< 0.29	< 0.33	< 0.27	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28
Benzyl butyl phthalate	100	< 0.66	< 0.64	< 0.62	< 0.63	< 0.64	< 0.64	< 0.85	< 0.69	< 0.7	< 0.66	< 0.64	< 0.74	< 0.59	< 0.59	< 0.62	< 0.62	< 0.59	< 0.62
bis(2-Chloroethoxy)methane	NS	< 0.73	< 0.71	< 0.69	< 0.7	< 0.71	< 0.7	< 0.93	< 0.76	< 0.77	< 0.73	< 0.71	< 0.82	< 0.65	< 0.65	< 0.69	< 0.69	< 0.65	< 0.69
bis(2-Chloroethyl)ether	7	< 0.59	< 0.58	< 0.56	< 0.56	< 0.58	< 0.57	< 0.76	< 0.62	< 0.62	< 0.59	< 0.58	< 0.66	< 0.53	< 0.53	< 0.56	< 0.56	< 0.53	< 0.56
bis(2-Chloroisopropyl)ether	300	< 0.82	< 0.8	< 0.78	< 0.79	< 0.8	< 0.79	< 1.1	< 0.86	< 0.87	< 0.82	< 0.8	< 0.92	< 0.74	< 0.74	< 0.78	< 0.78	< 0.74	< 0.78
bis(2-Ethylhexyl)phthalate	3	< 0.73	< 0.72	< 0.7	< 0.7	< 0.72	< 0.71	**16.7 B**	< 0.77	2.6	**6.3**	< 0.72	**8.9**	< 0.66	< 0.66	< 0.7	< 0.7	2.1	< 0.7
Caprolactam	NS	< 0.35	< 0.34	< 0.33	< 0.34	< 0.34	< 0.34	< 0.45	< 0.37	< 0.37	< 0.35	< 0.34	< 0.39	< 0.32	< 0.32	< 0.33	< 0.33	< 0.32	< 0.33
Carbazole	NS	< 0.4	< 0.4	< 0.38	< 0.39	< 0.4	< 0.39	< 0.52	< 0.42	< 0.43	< 0.4	< 0.4	< 0.46	< 0.36	< 0.36	< 0.38	< 0.38	< 0.36	< 0.38
Dibenzofuran	NS	< 0.38	< 0.37	< 0.36	< 0.37	< 0.37	< 0.37	< 0.49	< 0.4	< 0.4	< 0.38	< 0.37	< 0.43	< 0.34	< 0.34	< 0.36	< 0.36	< 0.34	< 0.36
Diethyl phthalate	6000	< 0.43	< 0.42	< 0.41	< 0.41	< 0.42	< 0.42	< 0.56	< 0.45	< 0.46	< 0.43	< 0.42	< 0.49	< 0.39	< 0.39	< 0.41	< 0.41	< 0.39	< 0.41
Dimethyl phthalate	NS	< 0.36	< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.47	< 0.38	< 0.39	< 0.36	< 0.36	< 0.41	< 0.33	< 0.33	< 0.35	< 0.35	< 0.33	< 0.35
di-n-butyl phthalate	700	< 0.66	< 0.64	< 0.62	< 0.63	< 0.64	< 0.64	< 0.85	< 0.69	< 0.7	1.3 J	< 0.64	< 0.74	< 0.59	< 0.59	< 0.62	< 0.62	< 0.59	< 0.62
di-n-octylphthalate	100	< 0.63	< 0.62	< 0.6	< 0.61	< 0.62	< 0.61	< 0.81	< 0.66	< 0.67	< 0.63	< 0.62	< 0.71	< 0.57	< 0.57	< 0.6	< 0.6	< 0.57	< 0.6
Hexachlorobutadiene	1	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.19	< 0.25	< 0.2	< 0.21	< 0.19	< 0.19	< 0.22	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorocyclopentadiene	40	< 0.45	< 0.44	< 0.43	< 0.43	< 0.44	< 0.44	< 0.58	< 0.47	< 0.48	< 0.45	< 0.44	< 0.51	< 0.41	< 0.41	< 0.43	< 0.43	< 0.41	< 0.43
Hexachloroethane	7	< 0.31	< 0.31	< 0.3	< 0.3	< 0.31	< 0.3	< 0.4	< 0.33	< 0.33	< 0.31	< 0.31	< 0.35	< 0.28	< 0.28	< 0.3	< 0.3	< 0.28	< 0.3
Isophrone	40	< 0.65	< 0.64	< 0.62	< 0.63	< 0.64	< 0.63	< 0.84	< 0.68	< 0.69	< 0.65	< 0.64	< 0.74	< 0.59	< 0.59	< 0.62	< 0.62	< 0.59	< 0.62
Nitrobenzene	6	< 0.47	< 0.46	< 0.44	< 0.45	< 0.46	< 0.45	< 0.6	< 0.49	< 0.49	< 0.47	< 0.46	< 0.52	< 0.42	< 0.42	< 0.44	< 0.44	< 0.42	< 0.44
N-Nitroso-di-n-Propylamine	10	< 0.52	< 0.51	< 0.49	< 0.5	< 0.51	< 0.5	< 0.67	< 0.54	< 0.55	< 0.52	< 0.51	< 0.59	< 0.47	< 0.47	< 0.49	< 0.49	< 0.47	< 0.49
N-Nitrosodiphenylamine	10	< 0.57	< 0.56	< 0.54	< 0.55	< 0.56	< 0.55	< 0.74	< 0.6	< 0.61	< 0.57	< 0.56	< 0.65	< 0.52	< 0.52	< 0.54	< 0.54	< 0.52	< 0.54
Phenol	2000	< 0.55	< 0.54	< 0.52	< 0.53	< 0.54	< 0.53	< 0.71	< 0.58	< 0.58	< 0.55	< 0.54	< 0.62	< 0.5	< 0.5	< 0.52	< 0.52	< 0.5	< 0.52
Total TIC, Semi-Volatile	NS	0	6.7 J	13.7 J	13.2 J	0	0	109.8 J	11.9 J	0	9.6 J	18.7 J	19.6 J	0	0 J	0	0	469.1 J	0
SVOC - SIM																			
Acenaphthene	400	< 0.019	< 0.019	< 0.018	< 0.018	< 0.019	< 0.018	< 0.024	< 0.02	< 0.02	< 0.019	< 0.019	< 0.021	< 0.017	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018
Acenaphthylene	NS	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.014	< 0.011	< 0.011	< 0.011	< 0.01	< 0.012	< 0.0095	< 0.0095	< 0.01	< 0.01	< 0.0095	< 0.01
Anthracene	2000	< 0.023	< 0.023	< 0.022	< 0.022	< 0.023	< 0.022	< 0.03	< 0.024	< 0.025	< 0.023	< 0.023	< 0.026	< 0.021	< 0.021	< 0.022	< 0.022	< 0.021	< 0.022
Benzo(a)anthracene	0.1 [0.2]	< 0.0076	< 0.0074	< 0.0072	< 0.0072	< 0.0074	< 0.0073	< 0.0097	< 0.0079	< 0.008	< 0.0076	< 0.0074	< 0.0085	< 0.0068	< 0.0068	< 0.0072	< 0.0072	< 0.0068	< 0.0072
Benzo(a)pyrene	0.1 [0.2]	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.024	< 0.02	< 0.02	< 0.019	< 0.018	< 0.021 J	< 0.017	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018
Benzo(b)fluoranthene	0.2 [10]	< 0.04	< 0.039	< 0.038	< 0.039	< 0.039	< 0.039	< 0.052	< 0.042	< 0.043	< 0.04	< 0.039	< 0.045 J	< 0.036	< 0.036	< 0.038	< 0.038	< 0.036	< 0.038
Benzo(g,h,i)perylene	NS	< 0.02	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.025	< 0.021	< 0.021	< 0.02	< 0.019	< 0.022 J	< 0.018	< 0.018	< 0.019	< 0.019	< 0.018	< 0.019
Benzo(k)fluoranthene	0.5	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.022	< 0.018	< 0.018	< 0.017	< 0.017	< 0.02 J	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017
Chyrsene	5	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.024	< 0.019	< 0.02	< 0.019	< 0.018	< 0.021	< 0.017	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.018	< 0.023	< 0.019	< 0.019	< 0.018	< 0.018	< 0.021 J	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017
Fluoranthene	300	< 0.01	< 0.0098	< 0.0095	< 0.0096	< 0.0098	< 0.0097	< 0.013	< 0.01	< 0.011	< 0.01	< 0.0098	< 0.011	< 0.009	< 0.009	< 0.0095	< 0.0095	< 0.009	< 0.0095
Fluorene	300	< 0.022	< 0.022	< 0.021	< 0.021	< 0.022	< 0.022	< 0.029	< 0.023	< 0.024	< 0.022	< 0.022	< 0.025	< 0.02	< 0.02	< 0.021	< 0.021	< 0.02	< 0.021
Hexachlorobenzene	0.02 [10]	< 0.068*	< 0.066*	< 0.064*	< 0.065*	< 0.066*	< 0.065*	< 0.087*	< 0.071*	< 0.072*	< 0.068*	< 0.066*	< 0.076*	< 0.061*	< 0.061*	< 0.064*	< 0.064*	< 0.061*	< 0.064*
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.016	< 0.013	< 0.013	< 0.012	< 0.012	< 0.014 J	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012
Naphthalene	300	< 0.029	< 0.028	0.53	0.51	< 0.028	< 0.028	< 0.037	1.37	< 0.03	< 0.029	1.06	0.592	< 0.026	< 0.026	< 0.027	< 0.027	< 0.026	< 0.027
Pentachlorophenol	0.3 [1]	< 0.44 *	< 0.43 *	< 0.42 *	< 0.42 *	< 0.43 *	< 0.43 *	< 0.57 *	< 0.46 *	< 0.47 *	< 0.44 R*	< 0.43 *	< 0.5 J*	< 0.4 *	< 0.4 *	< 0.42 *	< 0.42 *	< 0.4 *	< 0.42 *
Phenanthrene	NS	< 0.023	< 0.023	< 0.022	< 0.022	< 0.023	< 0.023	< 0.03	< 0.025	< 0.025	< 0.023	< 0.023	< 0.026	< 0.021	< 0.021	< 0.022	< 0.022	< 0.021	< 0.022
Pyrene	200	< 0.016	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.02	< 0.016	< 0.016	< 0.016	< 0.015	< 0.018	< 0.014	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015
PCBs																			
PCB 1016	0.5	< 0.1	< 0.1	< 0.1	< 0.099	< 0.11	< 0.1	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.094	< 0.094	< 0.098	< 0.1	< 0.094	< 0.099
PCB 1221	0.5	< 0.51	< 0.5	< 0.5	< 0.49	< 0.53	< 0.51	< 0.76	< 0.55	< 0.53	< 0.54	< 0.53	< 0.59	< 0.47	< 0.47	< 0.49	< 0.51	< 0.47	< 0.49
PCB 1232	0.5	< 0.42	< 0.41	< 0.41	< 0.41	< 0.44	< 0.42	< 0.63	< 0.45	< 0.44	< 0.45	< 0.44	< 0.49	< 0.39	< 0.39	< 0.41	< 0.42	< 0.39	< 0.41
PCB 1242	0.5	< 0.18	< 0.17	< 0.17	< 0.17	< 0.19	< 0.18	< 0.26	< 0.19	< 0.18	< 0.19	< 0.19	< 0.21	< 0.16	< 0.16	< 0.17	< 0.18	< 0.16	< 0.17
PCB 1248	0.5	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17	< 0.25	< 0.18	< 0.17	< 0.18	< 0.17	< 0.19	< 0.15	< 0.15	< 0.16	< 0.17	< 0.15	< 0.16
PCB 1254	0.5	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.18	< 0.13	< 0.12	< 0.13	< 0.12	< 0.14	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13	< 0.13	< 0.19	< 0.14	< 0.13	< 0.13	< 0.13	< 0.15	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pesticides																			
4,4-DDD	0.1	< 0.0026	< 0.0026	< 0.0026	< 0.0025	< 0.0027	< 0.0026	< 0.0039	< 0.0028	< 0.0027	< 0.0028	< 0.0027	< 0.003	< 0.0024	< 0.0024	< 0.0025	< 0.0026	< 0.0024	< 0.0025
4,4-DDE	0.1	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0019	< 0.0018	< 0.0027	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0021	< 0.0017	< 0.0017	< 0.0017	< 0.0018	< 0.0017	< 0.0018
4,4-DDT	0.1	< 0.0053	< 0.0052	< 0.0052	< 0.0052	< 0.0056	< 0.0053	< 0.0079	< 0.0057	< 0.0055	< 0.0057	< 0.0056	< 0.0062	< 0.0049	< 0.0049	< 0.0051	< 0.0053	< 0.0049	< 0.0052
Aldrin	0.04	< 0.0036	< 0.0036	< 0.0036	< 0.0035	< 0.0038	< 0.0036	< 0.0054	< 0.0039	< 0.0038	< 0.0038	< 0.0038	< 0.0042	< 0.0033	< 0.0033	< 0.0035	< 0.0036	< 0.0033	< 0.0035
alpha-BHC	0.02	< 0.0028	< 0.0028	< 0.0028	< 0.0027	< 0.003	< 0.0028	< 0.0042	< 0.003	< 0.0029	< 0.003	< 0.003	< 0.0033	< 0.0026	< 0.0026	< 0.0027	< 0.0028	< 0.0026	< 0.0027
alpha-Chlordane	NS	< 0.0047	< 0.0046	< 0.0046	< 0.0046	< 0.0049	< 0.0047	< 0.007	< 0.0051	< 0.0049	< 0.005	< 0.0049	< 0.0054	< 0.0044	< 0.0044	< 0.0045	< 0.0047	< 0.0044	< 0.0046
beta-BHC	0.04	< 0.0066	< 0.0066	< 0.0066	< 0.0065	< 0.007	< 0.0067	< 0.01	< 0.0072	< 0.0069	< 0.0071	< 0.007	< 0.0077	< 0.0062	< 0.0062	< 0.0064	< 0.0067	< 0.0062	< 0.0065
delta-BHC	NS	< 0.0033	< 0.0033	< 0.0033	< 0.0033	< 0.0035	< 0.0034	< 0.005	< 0.0036	< 0.0035	< 0.0036	< 0.0035	< 0.0039	< 0.0031	< 0.0031	< 0.0032	< 0.0034	< 0.0031	< 0.0033
Dieldrin	0.03	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0019	< 0.0019	< 0.0028	< 0.002	< 0.0019	< 0.002	< 0.0019	< 0.0021	< 0.0017	< 0.0017	< 0.0018	< 0.0019	< 0.0017	< 0.0018
Endosulfan I (alpha)	40	< 0.0023	< 0.0022	< 0.0022	< 0.0022	< 0.0024	< 0.0023	< 0.0034	< 0.0025	< 0.0024	< 0.0024	< 0.0024	< 0.0026	< 0.0021	< 0.0021	< 0.0022	< 0.0023	< 0.0021	< 0.0022
Endosulfan II (beta)	40	< 0.0035	< 0.0034	< 0.0034	< 0.0034	< 0.0037	< 0.0035	< 0.0052	< 0.0038	< 0.0036	< 0.0037	< 0.0037	< 0.0041	< 0.0032	< 0.0032	< 0.0034	< 0.0035	< 0.0032	< 0.0034
Endosulfan sulfate	40	< 0.005	< 0.0049	< 0.0049	< 0.0049	< 0.0052	< 0.005	< 0.0075	< 0.0054	< 0.0052	< 0.0053	< 0.0052	< 0.0058	< 0.0046	< 0.0046	< 0.0048	< 0.005	< 0.0046	< 0.0049
Endrin	2	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0034	< 0.0033	< 0.0049	< 0.0035	< 0.0034	< 0.0035	< 0.0034	< 0.0038	< 0.003	< 0.003	< 0.0031	< 0.0033	< 0.003	< 0.0032
Endrin Aldehyde	NS	< 0.0069	< 0.0069	< 0.0069	< 0.0068	< 0.0073	< 0.007	< 0.01	< 0.0075	< 0.0072	< 0.0074	< 0.0073	< 0.0081	< 0.0064	< 0.0064	< 0.0067	< 0.007	< 0.0064	< 0.0068
Endrin ketone	NS	< 0.0038	< 0.0037	< 0.0037	< 0.0037	< 0.004	< 0.0038	< 0.0056	< 0.0041	< 0.0039	< 0.004	< 0.004	< 0.0044	< 0.0035	< 0.0035	< 0.0036	< 0.0038	< 0.0035	< 0.0037
gamma-Chlordane	NS	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.002	< 0.0019	< 0.0028	< 0.002	< 0.0019	< 0.002	< 0.002	< 0.0022	< 0.0017	< 0.0017	< 0.0018	< 0.0019	< 0.0017	< 0.0018
Heptachlor	0.05	< 0.0028	< 0.0027	< 0.0027	< 0.0027	< 0.0029	< 0.0028	< 0.0041	< 0.003	< 0.0029	< 0.0029	< 0.0029	< 0.0032	< 0.0026	< 0.0026	< 0.0027	< 0.0028	< 0.0026	< 0.0027
Heptachlor epoxide	0.2	< 0.0016	< 0.0016	< 0.0016	< 0.0015	< 0.0017	< 0.0016	< 0.0024	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0018	< 0.0015	< 0.0015	< 0.0015	< 0.0016	< 0.0015	< 0.0015
Lindane	0.03	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.002	< 0.0019	< 0.0028	< 0.002	< 0.0019	< 0.002	< 0.002	< 0.0022	< 0.0017	< 0.0017	< 0.0018	< 0.0019	< 0.0017	< 0.0018
Methoxychlor	40	< 0.0073	< 0.0072	< 0.0072	< 0.0071	< 0.0077	< 0.0073	< 0.011	< 0.0079	< 0.0076	< 0.0078	< 0.0077	< 0.0085	< 0.0068	< 0.0068	< 0.007	< 0.0073	< 0.0068	< 0.0071
Toxaphene	2	< 0.1	< 0.1	< 0.1	< 0.099	< 0.11	< 0.1	< 0.15	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.094	< 0.094	< 0.098	< 0.1	< 0.094	< 0.099
Metals - Total																			
Aluminum	200	**2470**	**1990**	**515 J**	**311 J**	**1510**	**1840**	< 110	< 110	< 110	**381**	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110
Antimony	6	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Arsenic - Method 6020	3 [8]	**3.1**	**13.9**	1.5 B	1.9 B	< 1.5	< 1.5	1.7 B	< 1.5	< 1.5	**4.7**	< 1.5	< 1.5	< 1.5	< 1.5 J	< 1.5	< 1.5	< 1.5	< 1.5
Barium	2000	124 B	159 B	69.9 B	72.5 B	23.7 B	24.3 B	47.2 B	208	75 B	25.5 B	125 B	470	2.8 B	< 2.5	4.6 B	3.9 BJ	44.8 B	< 2.5

Well		OB-19	OB-20A	OB-20B	OB-20B Dup	OB-21	OB-21 Dup	RW-05(40-51)	RW-05(53-64)	RW-5(64-75)	RW-5 (100-120)	RW-06(70-81)	RW-6 (100-120)	RW-07(34-35)	RW-07(49-60)	RW-07(80-100)	RW-07(105-120)	SC-1	
Sample Name		**MW-19**	**MW-20**	**MW-20 OB-34**	**REP100406**	**MW-21**	**REP100506**	**RW-05(40-51)**	**RW-05(53-64)**	**RW-5(64-75)**	**RW-5 (100-120)**	**RW-06(70-81)**	**RW-6 (100-120)**	**RW-07(34-35)**	**RW-07(49-60)**	**RW-07(80-100)**	**RW-07(105-120)**	**SC-1**	**FB092606**
Sample Date	**GWQS[1]**	**10/3/2006**	**10/4/2006**	**10/4/2006**	**10/4/2006**	**10/5/2006**	**10/5/2006**	**9/27/2006**	**9/27/2006**	**9/29/2006**	**10/5/2006**	**9/27/2006**	**10/10/2006**	**9/26/2006**	**9/26/2006**	**9/28/2006**	**9/28/2006**	**10/5/2006**	**9/26/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Beryllium	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cadmium	4	0.94 B	0.63 B	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	1.1 B	< 0.6	0.96 B	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Calcium	NS	20000	37600	56800	57800	15400	15200	64200	72200	40600	76800	88900	70200	10900	11200	12000	13400	34900	< 62
Chromium	70	4.1 B	2.7 B	< 1.6	< 1.6	3 B	2.7 B	< 1.6	< 1.6	< 4.8	2.7 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 J	< 1.6	< 1.6	< 1.6
Cobalt	NS	1.7 B	5.5 B	24.8 B	25.5 B	< 1.7	< 1.7	< 1.7	60	13.2 B	< 1.7	34.6 B	9.7 B	< 1.7	< 1.7	< 1.7 J	< 1.7	< 1.7	< 1.7
Copper	1,300	48.8	5 B	< 2.3	< 2.3	4.9 B	6.9 B	5.5 B	< 2.3	9.8 B	50.7	< 2.3	12.7 B	4.6 B	< 2.3	2.3 B	2.5 B	< 2.3	< 2.3
Iron	300	**43600**	**42400**	**35000**	**35400**	**2090**	**2410**	**7050**	**39300**	**4860**	**5350**	**14900**	**33200 J**	**1570**	**997**	**378**	175	265	< 67
Lead	5	**9.4**	< 2.6	3.1	3.5	< 2.6	< 2.6	**68.4**	< 2.6	**24.7**	**32.7**	< 2.6	**6.9 J**	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Magnesium	NS	3550 B	4510 B	11500	11800	3510 B	3550 B	15100	17300	10500	20100	22200	14600	4290 B	4320 B	4220 B	4660 B	8520	< 16
Manganese	50	**713**	**3470**	**9430**	**9730**	**93.8**	**97.8**	**1610**	**12400**	**4140**	**1890**	**12400**	**7440**	23	6.6 BJ	8.5 B	6.8 B	46.7	0.9 B
Mercury	2	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Nickel	100	5 B	< 1.6	< 1.6	< 1.6	4.2 B	1.6 B	< 1.6	< 1.6	< 1.6	4.1 B	< 1.6	26.1 B	< 1.6	< 1.6	< 1.6 J	< 1.6	< 1.6	< 1.6
Potassium	NS	1750 B	3660 B	2910 B	3130 B	1760 B	1850 B	2560 B	2920 B	1670 B	2430 B	2610 B	2810 B	886 B	879 B	916 B	1040 B	1540 B	< 65
Selenium	40	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	6.1 B	< 3	< 3	< 3
Silver	40	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9 J	< 1.9	< 1.9	< 1.9	< 1.9 J	< 1.9	< 1.9	< 1.9
Sodium	50,000	4420 BJ	4560 BJ	6060 BJ	6510 BJ	4180 BJ	4150 BJ	7860 BJ	7990 BJ	6380 BJ	8700 BJ	9880 BJ	7550 B	4580 BJ	4500 BJ	4940 BJ	4600 BJ	39400	1150 B
Thallium - Method 6020	2 [10]	< 0.09	0.32 B	< 0.09	< 0.09	0.39 BJ	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Vanadium	NS	8.3 B	3.3 B	< 1.9	< 1.9	3.6 B	3.2 B	< 1.9	< 1.9	< 1.9	2.2 B	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9 J	< 1.9	< 1.9	< 1.9
Zinc	2000	45.1 J	20.5 J	11.7 B	11.1 BJ	< 3.3	< 3.3	**6200**	578	**19100 J**	**6950**	528	**6660**	245	231	156	240	< 3.3	6.1 B
Metals - Dissolved																			
Aluminum	200	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	NA
Antimony	6	< 4.4	< 4.4	< 4.4	< 4.4	**7.1**	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	4.8 B	< 4.4	< 4.4	< 4.4	< 4.4	NA
Arsenic - Method 6020	3 [8]	< 1.5	**13.1**	< 1.5	1.6 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	1.8 BJ	< 1.5	< 1.5	1.7 B	NA
Barium	2000	98.9 B	137 B	60.3 B	63.3 B	12.6 B	19.8 B	42.8 B	201	66.7 B	10.8 B	108 B	455	< 2.5	< 2.5	3.4 B	4.4 BJ	40.8 B	NA
Beryllium	1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA
Cadmium	4	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	1 B	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	NA
Calcium	NS	20100	37300	55700	55500	14700	14600	63300	75000	41700	71000	84000	69000	10800	11200	11800	13900	33100	NA
Chromium	70	< 1.6	< 1.6	< 1.6	1.8 B	< 1.6	< 1.6	< 1.6	< 1.6	< 4.8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.6 BJ	< 1.6	< 1.6	NA
Cobalt	NS	< 1.7	5 B	24.4 B	23.6 B	< 1.7	< 1.7	< 1.7	61.1	12.6 B	< 1.7	34.2 B	9.3 B	< 1.7	< 1.7	1.9 BJ	< 1.7	< 1.7	NA
Copper	1,300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	NA
Iron	300	**28700**	**39800**	**32400**	**32600**	< 67	< 67	**2490**	**39700**	67.4 B	118	**11900**	**30000 J**	108	90.9 B	85.9 B	< 67	269	NA
Lead	5	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 7.8	< 2.6	< 2.6	3.1 J	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	NA
Magnesium	NS	3190 B	4190 B	11300	11400	2900 B	2990 B	15000	17800	10600	18600	21800	14500	4130 B	4220 B	4150 B	4840 B	8130	NA
Manganese	50	**532**	**3350**	**9150**	**9190**	3.2 B	4.5 B	**1610**	**12600**	**4070**	**1980**	**12000**	**7410**	12.9 B	4.6 BJ	5.5 B	5.6 B	44.1	NA
Mercury	2	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.09 B	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	NA
Nickel	100	< 1.6	2.9 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	16 B	< 1.6	21.4 B	< 1.6	< 1.6	3.5 BJ	< 1.6	< 1.6	NA
Potassium	NS	1240 B	2940 B	2680 B	2680 B	1280 B	1230 B	2540 B	2810 B	1800 B	2370 B	2660 B	2750 B	832 B	847 B	943 B	1130 B	1320 B	NA
Selenium	40	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	4 B	< 3	< 3	NA
Silver	40	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	2.6 BJ	< 1.9	< 1.9	< 1.9	2.3 BJ	< 1.9	< 1.9	NA
Sodium	50,000	< 310	4020 BJ	5490 BJ	5810 BJ	< 310	< 310	7880 BJ	7810 BJ	6640 BJ	8430 BJ	9960 BJ	7430 B	4350 BJ	4530 BJ	5260 BJ	4860 BJ	36600	NA
Thallium - Method 6020	2 [10]	0.098 B	0.15 B	< 0.09	< 0.09	0.41 BJ	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	NA
Vanadium	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	1.9 B	< 1.9	2.6 BJ	< 1.9	< 1.9	NA
Zinc	2000	< 3.3	18.3 BJ	6 BJ	21.2	< 3.3	< 3.3	**5430**	559	**24700 J**	1520	548	**4090**	225	225	142	220	< 3.3	NA
Other																			
Alkalinity, Bicarbonate	250,000	65000	116000	215000	213000	45200	44100	228000	**299000**	190000	**270000**	**333000**	**258000**	39200	39800	42400	47200	99300	< 5000
Alkalinity, Carbonate	250,000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Alkalinity, total (as CaCO3)	250,000	65000	116000	215000	213000	45200	44100	NA	NA	NA	**271000**	NA	**258000**	NA	NA	NA	NA	99400	NA
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10
Nitrogen, Nitrate & Nitrite	10,000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Phosphorus, Total	NS	260	250	440	480	< 50	< 50	NA	NA	NA	< 50	NA	< 50	NA	NA	NA	NA	< 50	< 50
Bromide	NS	< 150	< 150	< 150	< 150	< 150	< 150	< 150	< 150	300	420	< 150	< 150	< 150	< 150	< 150	< 150	< 150	NA
Chloride	250,000	< 2000	< 2000	2100	2000	< 2000	< 2000	2900	3100	3200	2700	3600	4800	< 2000	< 2000	< 2000	< 2000	69000	< 2000
Nitrate	10,000	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250,000	5200	< 3000	< 2000	< 2000	11100	11200	8600	< 2000	12800	7500	5900	3900	14000	13800	13100	16000	6500	< 2000
Iodide	NS	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	NA

Well		Field Blanks														
Sample Name		FIELD BLANK(080926)	FB092706	FIELD BLANK060927	FB092806	FIELD BLANK 060928	FB092906	FIELD BLANK 060929	FB100206	FIELD BLANK 061002	FB100306	FIELD BLANK 100306	FB100406	FIELD BLANK 061004	FB100506	FIELD BLANK 061005
Sample Date	GWQS[1]	9/26/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/29/2006	9/29/2006	10/2/2006	10/2/2006	10/3/2006	10/3/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																
1,1,1 -Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **
1,2-Dibromoethane	0.03 [0.5]	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	0.43 J	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylene, -m,p	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SVOC																
1,1'-Biphenyl	400	< 0.33	< 0.36	< 0.36	< 0.34	< 0.38	< 0.39	< 0.36	< 0.33	< 0.33	< 0.36	< 0.35	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	700	< 2	< 2.1	< 2.1	< 2	< 2.3	< 2.3	< 2.1	< 1.9	< 1.9	< 2.1	< 2.1	< 1.9	< 1.9	< 1.9	< 1.9
2,4,6-Trichlorophenol	20	< 1.3	< 1.4	< 1.4	< 1.3	< 1.5	< 1.5	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3
2,4-Dichlorophenol	20	< 1.6	< 1.7	< 1.7	< 1.6	< 1.8	< 1.9	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.8	< 1.7	< 1.9	< 2	< 1.8	< 1.6	< 1.6	< 1.8	< 1.8	< 1.6	< 1.6	< 1.6	< 1.6
2,4-Dinitrophenol	40	< 0.91	< 0.98	< 0.99	< 0.94	< 1	< 1.1	< 0.99	< 0.89	< 0.89	< 0.99	< 0.96	< 0.89	< 0.89	< 0.89	< 0.89
2,4-Dinitrotoluene	10	< 0.88	< 0.95	< 0.96	< 0.91	< 1	< 1	< 0.96	< 0.86	< 0.86	< 0.96	< 0.92	< 0.86	< 0.86	< 0.86	< 0.86
2,6-Dinitrotoluene	10	< 0.57	< 0.61	< 0.62	< 0.59	< 0.66	< 0.67	< 0.62	< 0.56	< 0.56	< 0.62	< 0.6	< 0.56	< 0.56	< 0.56	< 0.56
2-Chloronaphthalene	600	< 1	< 1.1	< 1.1	< 1	< 1.2	< 1.2	< 1.1	< 0.98	< 0.98	< 1.1	< 1.1	< 0.98	< 0.98	< 0.98	< 0.98
2-Chlorophenol	40	< 0.97	< 1	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 0.95	< 0.95	< 1.1	< 1	< 0.95	< 0.95	< 0.95	< 0.95
2-Methylnaphthalene	NS	< 0.42	< 0.45	< 0.45	< 0.43	< 0.48	< 0.49	< 0.45	< 0.41	< 0.41	< 0.45	< 0.44	< 0.41	< 0.41	< 0.41	< 0.41
2-Methylphenol	NS	< 1.4	< 1.5	< 1.5	< 1.4	< 1.6	< 1.6	< 1.5	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.68	< 0.73	< 0.74	< 0.7	< 0.78	< 0.8	< 0.74	< 0.66	< 0.66	< 0.74	< 0.71	< 0.66	< 0.66	< 0.66	< 0.66
2-Nitrophenol	NS	< 1.8	< 2	< 2	< 1.9	< 2.1	< 2.2	< 2	< 1.8	< 1.8	< 2	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8
3&4-Methylphenol	NS	< 1.3	< 1.4	< 1.4	< 1.3	< 1.5	< 1.5	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3
3,3'-Dichlorobenzidine	30	< 1.2	< 1.3	< 1.4	< 1.3	< 1.4	< 1.5	< 1.4	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2
3-Nitroaniline	NS	< 1.3	< 1.4	< 1.4	< 1.3	< 1.5	< 1.5	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3
4,6-Dinitro-o-cresol	NS	< 0.74	< 0.79	< 0.8	< 0.76	< 0.85	< 0.87	< 0.8	< 0.72	< 0.72	< 0.8	< 0.78	< 0.72	< 0.72	< 0.72	< 0.72
4-Bromophenyl phenyl ether	NS	< 0.31	< 0.33	< 0.33	< 0.31	< 0.35	< 0.36	< 0.33	< 0.3	< 0.3	< 0.33	< 0.32	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.3	< 1.3	< 1.2	< 1.4	< 1.4	< 1.3	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2
4-Chloroaniline	30	< 0.41	< 0.44	< 0.44	< 0.42	< 0.47	< 0.48	< 0.44	< 0.4	< 0.4	< 0.44	< 0.43	< 0.4	< 0.4	< 0.4	< 0.4
4-Chlorophenyl phenyl ether	NS	< 0.44	< 0.47	< 0.48	< 0.45	< 0.51	< 0.52	< 0.48	< 0.43	< 0.43	< 0.48	< 0.46	< 0.43	< 0.43	< 0.43	< 0.43
4-Nitroaniline	NS	< 0.74	< 0.79	< 0.8	< 0.76	< 0.85	< 0.87	< 0.8	< 0.72	< 0.72	< 0.8	< 0.78	< 0.72	< 0.72	< 0.72	< 0.72
4-Nitrophenol	NS	< 0.86	< 0.93	< 0.94	< 0.89	< 0.99	< 1	< 0.94	< 0.84	< 0.84	< 0.94	< 0.91	< 0.84	< 0.84	< 0.84	< 0.84
Acetophenone	700	< 0.38	< 0.41	< 0.42	< 0.39	< 0.44	< 0.45	< 0.42	< 0.37	< 0.37	< 0.42	< 0.4	< 0.37	< 0.37	< 0.37	< 0.37

Well		Field Blanks						Field Blanks								
Sample Name		**FIELD BLANK(080926)**	**FB092706**	**FIELD BLANK060927**	**FB092806**	**FIELD BLANK 060928**	**FB092906**	**FIELD BLANK 060929**	**FB100206**	**FIELD BLANK 061002**	**FB100306**	**FIELD BLANK 100306**	**FB100406**	**FIELD BLANK 061004**	**FB100506**	**FIELD BLANK 061005**
Sample Date	**GWQS[1]**	**9/26/2006**	**9/27/2006**	**9/27/2006**	**9/28/2006**	**9/28/2006**	**9/29/2006**	**9/29/2006**	**10/2/2006**	**10/2/2006**	**10/3/2006**	**10/3/2006**	**10/4/2006**	**10/4/2006**	**10/5/2006**	**10/5/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Atrazine	3	< 0.17	< 0.18	< 0.18	< 0.17	< 0.19	< 0.2	< 0.18	< 0.16	< 0.16	< 0.18	< 0.18	< 0.16	< 0.16	< 0.16	< 0.16
Benzaldehyde	NS	< 0.27	< 0.29	< 0.29	< 0.28	< 0.31	< 0.32	< 0.29	< 0.27	< 0.27	< 0.29	< 0.28	< 0.27	< 0.27	< 0.27	< 0.27
Benzyl butyl phthalate	100	< 0.61	< 0.65	< 0.66	< 0.62	< 0.7	< 0.71	< 0.66	< 0.59	< 0.59	< 0.66	< 0.64	< 0.59	< 0.59	< 0.59	< 0.59
bis(2-Chloroethoxy)methane	NS	< 0.67	< 0.72	< 0.73	< 0.69	< 0.77	< 0.79	< 0.73	< 0.65	< 0.65	< 0.73	< 0.7	< 0.65	< 0.65	< 0.65	< 0.65
bis(2-Chloroethyl)ether	7	< 0.54	< 0.58	< 0.59	< 0.56	< 0.62	< 0.64	< 0.59	< 0.53	< 0.53	< 0.59	< 0.57	< 0.53	< 0.53	< 0.53	< 0.53
bis(2-Chloroisopropyl)ether	300	< 0.75	< 0.81	< 0.82	< 0.78	< 0.87	< 0.89	< 0.82	< 0.74	< 0.74	< 0.82	< 0.79	< 0.74	< 0.74	< 0.74	< 0.74
bis(2-Ethylhexyl)phthalate	3	2.5 B	1.3 BJ	1.2 BJ	< 0.7	< 0.78	< 0.8	< 0.73	< 0.66	< 0.66	< 0.73	< 0.71	< 0.66	< 0.66	< 0.66	< 0.66
Caprolactam	NS	< 0.32	< 0.35	< 0.35	< 0.33	< 0.37	< 0.38	< 0.35	< 0.32	< 0.32	< 0.35	< 0.34	< 0.32	< 0.32	< 0.32	< 0.32
Carbazole	NS	< 0.37	< 0.4	< 0.4	< 0.38	< 0.43	< 0.44	< 0.4	< 0.36	< 0.36	< 0.4	< 0.39	< 0.36	< 0.36	< 0.36	< 0.36
Dibenzofuran	NS	< 0.35	< 0.38	< 0.38	< 0.36	< 0.4	< 0.41	< 0.38	< 0.34	< 0.34	< 0.38	< 0.37	< 0.34	< 0.34	< 0.34	< 0.34
Diethyl phthalate	6000	< 0.4	< 0.43	< 0.43	< 0.41	< 0.46	< 0.47	< 0.43	< 0.39	< 0.39	< 0.43	< 0.42	< 0.39	< 0.39	< 0.39	< 0.39
Dimethyl phthalate	NS	< 0.33	< 0.36	< 0.36	< 0.35	< 0.39	< 0.4	< 0.36	< 0.33	< 0.33	< 0.36	< 0.35	< 0.33	< 0.33	< 0.33	< 0.33
di-n-butyl phthalate	700	< 0.6	< 0.65	< 0.66	< 0.62	< 0.7	< 0.71	< 0.66	< 0.59	< 0.59	< 0.66	< 0.64	< 0.59	< 0.59	< 0.59	< 0.59
di-n-octylphthalate	100	< 0.58	< 0.63	< 0.63	< 0.6	< 0.67	< 0.69	< 0.63	< 0.57	< 0.57	< 0.63	< 0.61	< 0.57	< 0.57	< 0.57	< 0.57
Hexachlorobutadiene	1	< 0.18	< 0.19	< 0.19	< 0.18	< 0.21	< 0.21	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorocyclopentadiene	40	< 0.42	< 0.45	< 0.45	< 0.43	< 0.48	< 0.49	< 0.45	< 0.41	< 0.41	< 0.45	< 0.44	< 0.41	< 0.41	< 0.41	< 0.41
Hexachloroethane	7	< 0.29	< 0.31	< 0.31	< 0.3	< 0.33	< 0.34	< 0.31	< 0.28	< 0.28	< 0.31	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28
Isophrone	40	< 0.6	< 0.65	< 0.65	< 0.62	< 0.69	< 0.71	< 0.65	< 0.59	< 0.59	< 0.65	< 0.63	< 0.59	< 0.59	< 0.59	< 0.59
Nitrobenzene	6	< 0.43	< 0.46	< 0.47	< 0.44	< 0.49	< 0.5	< 0.47	< 0.42	< 0.42	< 0.47	< 0.45	< 0.42	< 0.42	< 0.42	< 0.42
N-Nitroso-di-n-Propylamine	10	< 0.48	< 0.51	< 0.52	< 0.49	< 0.55	< 0.56	< 0.52	< 0.47	< 0.47	< 0.52	< 0.5	< 0.47	< 0.47	< 0.47	< 0.47
N-Nitrosodiphenylamine	10	< 0.53	< 0.57	< 0.57	< 0.54	< 0.61	< 0.62	< 0.57	< 0.52	< 0.52	< 0.57	< 0.55	< 0.52	< 0.52	< 0.52	< 0.52
Phenol	2000	< 0.51	< 0.55	< 0.55	< 0.52	< 0.58	< 0.6	< 0.55	< 0.5	< 0.5	< 0.55	< 0.53	< 0.5	< 0.5	< 0.5	< 0.5
Total TIC, Semi-Volatile	NS	4.2 J	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SVOC - SIM																
Acenaphthene	400	< 0.017	< 0.019	< 0.019	< 0.018	< 0.02	< 0.021	< 0.019	< 0.017	< 0.017	< 0.019	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017
Acenaphthylene	NS	< 0.0097	< 0.01	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.0095	< 0.0095	< 0.011	< 0.01	< 0.0095	< 0.0095	< 0.0095	< 0.0095
Anthracene	2000	< 0.021	< 0.023	< 0.023	< 0.022	< 0.025	< 0.025	< 0.023	< 0.021	< 0.021	< 0.023	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.0069	< 0.0075	< 0.0076	< 0.0072	< 0.008	< 0.0082	< 0.0076	< 0.0068	< 0.0068	< 0.0076	< 0.0073	< 0.0068	< 0.0068	< 0.0068	< 0.0068
Benzo(a)pyrene	0.1 [0.2]	< 0.017	< 0.019	< 0.019	< 0.018	< 0.02	< 0.02	< 0.019	< 0.017	< 0.017	< 0.019	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017
Benzo(b)fluoranthene	0.2 [10]	< 0.037	< 0.04	< 0.04	< 0.038	< 0.043	< 0.044	< 0.04	< 0.036	< 0.036	< 0.04	< 0.039	< 0.036	< 0.036	< 0.036	< 0.036
Benzo(g,h,i)perylene	NS	< 0.018	< 0.02	< 0.02	< 0.019	< 0.021	< 0.021	< 0.02	< 0.018	< 0.018	< 0.02	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018
Benzo(k)fluoranthene	0.5	< 0.016	< 0.017	< 0.017	< 0.017	< 0.018	< 0.019	< 0.017	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016
Chyrsene	5	< 0.017	< 0.018	< 0.019	< 0.018	< 0.02	< 0.02	< 0.019	< 0.017	< 0.017	< 0.019	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.017	< 0.018	< 0.018	< 0.017	< 0.019	< 0.02	< 0.018	< 0.016	< 0.016	< 0.018	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016
Fluoranthene	300	< 0.0092	< 0.0099	< 0.01	< 0.0095	< 0.011	< 0.011	< 0.01	< 0.009	< 0.009	< 0.01	< 0.0097	< 0.009	< 0.009	< 0.009	< 0.009
Fluorene	300	< 0.021	< 0.022	< 0.022	< 0.021	< 0.024	< 0.024	< 0.022	< 0.02	< 0.02	< 0.022	< 0.022	< 0.02	< 0.02	< 0.02	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.062*	< 0.067*	< 0.068*	< 0.064*	< 0.072*	< 0.073*	< 0.068*	< 0.061*	< 0.061*	< 0.068*	< 0.065*	< 0.061*	< 0.061*	< 0.061*	< 0.061*
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.011	< 0.012	< 0.012	< 0.012	< 0.013	< 0.013	< 0.012	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011
Naphthalene	300	< 0.026	< 0.028	< 0.029	< 0.027	< 0.03	< 0.031	< 0.029	< 0.026	< 0.026	< 0.029	< 0.028	< 0.026	< 0.026	< 0.026	< 0.026
Pentachlorophenol	0.3 [1]	< 0.4 *	< 0.44 *	< 0.44 *	< 0.42 *	< 0.47 *	< 0.48 *	< 0.44 *	< 0.4 *	< 0.4 *	< 0.44 *	< 0.43 *	< 0.4 *	< 0.4 *	< 0.4 *	< 0.4 R*
Phenanthrene	NS	< 0.022	< 0.023	< 0.023	< 0.022	< 0.025	< 0.025	< 0.023	< 0.021	< 0.021	< 0.023	< 0.023	< 0.021	< 0.021	< 0.021	< 0.021
Pyrene	200	< 0.014	< 0.015	< 0.016	< 0.015	< 0.016	< 0.017	< 0.016	< 0.014	< 0.014	< 0.016	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014
PCBs																
PCB 1016	0.5	< 0.099	< 0.11	< 0.11	< 0.1	< 0.1	< 0.11	< 0.1	< 0.099	< 0.094	< 0.1	< 0.099	< 0.094	< 0.1	< 0.1	< 0.094
PCB 1221	0.5	< 0.49	< 0.53	< 0.55	< 0.52	< 0.52	< 0.53	< 0.52	< 0.49	< 0.47	< 0.51	< 0.49	< 0.47	< 0.5	< 0.51	< 0.47
PCB 1232	0.5	< 0.41	< 0.44	< 0.46	< 0.43	< 0.43	< 0.44	< 0.43	< 0.41	< 0.39	< 0.42	< 0.41	< 0.39	< 0.41	< 0.42	< 0.39
PCB 1242	0.5	< 0.17	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.16	< 0.18	< 0.17	< 0.16	< 0.17	< 0.18	< 0.16
PCB 1248	0.5	< 0.16	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.16	< 0.15	< 0.17	< 0.16	< 0.15	< 0.16	< 0.17	< 0.15
PCB 1254	0.5	< 0.11	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.12	< 0.12	< 0.11
PCB 1260	0.5	< 0.12	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pesticides																
4,4-DDD	0.1	< 0.0025	< 0.0027	< 0.0028	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0025	< 0.0024	< 0.0026	< 0.0025	< 0.0024	< 0.0026	< 0.0026	< 0.0024
4,4-DDE	0.1	< 0.0018	< 0.0019	< 0.002	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0017
4,4-DDT	0.1	< 0.0052	< 0.0056	< 0.0058	< 0.0055	< 0.0055	< 0.0055	< 0.0055	< 0.0052	< 0.0049	< 0.0053	< 0.0052	< 0.0049	< 0.0052	< 0.0053	< 0.0049
Aldrin	0.04	< 0.0035	< 0.0038	< 0.0039	< 0.0037	< 0.0037	< 0.0038	< 0.0037	< 0.0035	< 0.0033	< 0.0036	< 0.0035	< 0.0033	< 0.0036	< 0.0036	< 0.0033
alpha-BHC	0.02	< 0.0027	< 0.003	< 0.0031	< 0.0029	< 0.0029	< 0.0029	< 0.0029	< 0.0027	< 0.0026	< 0.0028	< 0.0027	< 0.0026	< 0.0028	< 0.0028	< 0.0026
alpha-Chlordane	NS	< 0.0046	< 0.0049	< 0.0051	< 0.0048	< 0.0048	< 0.0049	< 0.0048	< 0.0046	< 0.0044	< 0.0047	< 0.0046	< 0.0044	< 0.0046	< 0.0047	< 0.0044
beta-BHC	0.04	< 0.0065	< 0.007	< 0.0073	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0065	< 0.0062	< 0.0067	< 0.0065	< 0.0062	< 0.0066	< 0.0067	< 0.0062
delta-BHC	NS	< 0.0033	< 0.0035	< 0.0036	< 0.0034	< 0.0034	< 0.0035	< 0.0034	< 0.0033	< 0.0031	< 0.0034	< 0.0033	< 0.0031	< 0.0033	< 0.0034	< 0.0031
Dieldrin	0.03	< 0.0018	< 0.0019	< 0.002	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0018	< 0.0017	< 0.0019	< 0.0018	< 0.0017	< 0.0018	< 0.0019	< 0.0017
Endosulfan I (alpha)	40	< 0.0022	< 0.0024	< 0.0025	< 0.0023	< 0.0023	< 0.0024	< 0.0023	< 0.0022	< 0.0021	< 0.0023	< 0.0022	< 0.0021	< 0.0022	< 0.0023	< 0.0021
Endosulfan II (beta)	40	< 0.0034	< 0.0037	< 0.0038	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0034	< 0.0032	< 0.0035	< 0.0034	< 0.0032	< 0.0034	< 0.0035	< 0.0032
Endosulfan sulfate	40	< 0.0049	< 0.0052	< 0.0054	< 0.0051	< 0.0051	< 0.0052	< 0.0051	< 0.0049	< 0.0046	< 0.005	< 0.0049	< 0.0046	< 0.0049	< 0.005	< 0.0046
Endrin	2	< 0.0032	< 0.0034	< 0.0035	< 0.0033	< 0.0033	< 0.0034	< 0.0033	< 0.0032	< 0.003	< 0.0033	< 0.0032	< 0.003	< 0.0032	< 0.0033	< 0.003
Endrin Aldehyde	NS	< 0.0068	< 0.0073	< 0.0076	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0068	< 0.0064	< 0.007	< 0.0068	< 0.0064	< 0.0069	< 0.007	< 0.0064
Endrin ketone	NS	< 0.0037	< 0.004	< 0.0041	< 0.0039	< 0.0039	< 0.0039	< 0.0039	< 0.0037	< 0.0035	< 0.0038	< 0.0037	< 0.0035	< 0.0037	< 0.0038	< 0.0035
gamma-Chlordane	NS	< 0.0018	< 0.002	< 0.002	< 0.0019	< 0.0019	< 0.0019	< 0.0018	< 0.0017	< 0.0017	< 0.0019	< 0.0018	< 0.0017	< 0.0018	< 0.0019	< 0.0017
Heptachlor	0.05	< 0.0027	< 0.0029	< 0.003	< 0.0028	< 0.0028	< 0.0029	< 0.0028	< 0.0027	< 0.0026	< 0.0028	< 0.0027	< 0.0026	< 0.0027	< 0.0028	< 0.0026
Heptachlor epoxide	0.2	< 0.0015	< 0.0017	< 0.0017	< 0.0016	< 0.0016	< 0.0017	< 0.0016	< 0.0015	< 0.0015	< 0.0016	< 0.0015	< 0.0015	< 0.0016	< 0.0016	< 0.0015
Lindane	0.03	< 0.0018	< 0.002	< 0.002	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0018	< 0.0017	< 0.0019	< 0.0018	< 0.0017	< 0.0018	< 0.0019	< 0.0017
Methoxychlor	40	< 0.0071	< 0.0077	< 0.008	< 0.0075	< 0.0075	< 0.0076	< 0.0075	< 0.0071	< 0.0068	< 0.0073	< 0.0071	< 0.0068	< 0.0072	< 0.0073	< 0.0068
Toxaphene	2	< 0.099	< 0.11	< 0.11	< 0.1	< 0.1	< 0.11	< 0.1	< 0.099	< 0.094	< 0.1	< 0.099	< 0.094	< 0.1	< 0.1	< 0.094
Metals - Total																
Aluminum	200	< 110	< 110	< 110	< 110	NA	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110
Antimony	6	< 4.4	< 4.4	< 4.4	< 4.4	NA	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Arsenic - Method 6020	3 [8]	< 1.5	< 1.5	< 1.5	< 1.5	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Barium	2000	< 2.5	< 2.5	< 2.5	< 2.5	NA	< 2.5	< 2.5	< 2.5	< 2.5	2.9 B	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5

Well		Field Blanks						Field Blanks								
Sample Name		**FIELD BLANK(080926)**	**FB092706**	**FIELD BLANK060927**	**FB092806**	**FIELD BLANK 060928**	**FB092906**	**FIELD BLANK 060929**	**FB100206**	**FIELD BLANK 061002**	**FB100306**	**FIELD BLANK 100306**	**FB100406**	**FIELD BLANK 061004**	**FB100506**	**FIELD BLANK 061005**
Sample Date	**GWQS[1]**	**9/26/2006**	**9/27/2006**	**9/27/2006**	**9/28/2006**	**9/28/2006**	**9/29/2006**	**9/29/2006**	**10/2/2006**	**10/2/2006**	**10/3/2006**	**10/3/2006**	**10/4/2006**	**10/4/2006**	**10/5/2006**	**10/5/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Beryllium	1	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Cadmium	4	< 0.6	< 0.6	< 0.6	< 0.6	NA	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Calcium	NS	< 62	145 B	81.3 B	96.7 B	NA	79 B	< 62	< 62	< 62	< 62	112 B	< 62	< 62	83.4 B	< 62
Chromium	70	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Cobalt	NS	< 1.7	< 1.7	< 1.7	< 1.7	NA	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Copper	1,300	< 2.3	< 2.3	< 2.3	< 2.3	NA	< 2.3	5.7 B	4.4 B	< 2.3	5.4 B	3.6 B	< 2.3	< 2.3	< 2.3	< 2.3
Iron	300	< 67	< 67	< 67	< 67	NA	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67
Lead	5	< 2.6	< 2.6	< 2.6	< 2.6	NA	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	2.9 B
Magnesium	NS	< 16	< 16	19.6 B	20.7 B	NA	< 16	< 16	< 16	< 16	< 16	< 16	< 16	< 16	< 16	< 16
Manganese	50	< 0.4	0.59 B	1.6 B	0.53 B	NA	< 0.4	0.75 B	< 0.4	< 0.4	< 0.4	0.44 B	< 0.4	< 0.4	< 0.4	< 0.4
Mercury	2	0.091 B	< 0.08	< 0.08	< 0.08	NA	< 0.08	< 0.08	< 0.08	0.15 B	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.099 B
Nickel	100	< 1.6	< 1.6	< 1.6	< 1.6	NA	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Potassium	NS	< 65	< 65	< 65	< 65	NA	< 65	< 65	< 65	< 65	< 65	< 65	< 65	< 65	< 65	< 65
Selenium	40	< 3	< 3	< 3	< 3	NA	< 3	< 3	< 3	3.6 B	< 3	3 B	4.6 B	4.4 B	3.9 B	3 B
Silver	40	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Sodium	50,000	1250 B	1500 BJ	1190 BJ	1230 BJ	NA	1190 BJ	1370 B	1380 B	1300 B	1450 B	1830 B	1290 B	1420 B	1350 B	1410 B
Thallium - Method 6020	2 [10]	< 0.09	< 0.09	< 0.09	< 0.09	NA	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.24 B	< 0.09	0.14 B	0.12 B	0.23 B
Vanadium	NS	< 1.9	< 1.9	< 1.9	< 1.9	NA	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Zinc	2000	8.2 B	< 3.3	9.1 B	4.8 B	NA	10.3 B	16.2 B	4.8 B	5.4 B	5.4 B	< 3.3	5 B	12.4 B	8.8 B	8 B
Metals - Dissolved																
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	NA	< 10	NA	< 10	NA	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	< 2000	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Field Blanks						Trip Blank	Trip Blanks							
Sample Name		FIELD BLANK 061006	FIELD BLANK 061009	FIELD BLANK 061010	FB112806	FB112906	FB-061130	TB092606	TRIP BLANK 060926	TB092706	TB092806	TRIP BLANK060927	TRIP BLANK 060928	TRIP BLANK 060929	TB100206	TRIP BLANK 061002
Sample Date	GWQS[1]	10/6/2006	10/9/2006	10/10/2006	11/28/2006	11/29/2006	11/30/2006	9/27/2006	9/27/2006	9/28/2006	9/28/2006	9/28/2006	9/28/2006	9/29/2006	10/2/2006	10/2/2006
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																
1,1,1 -Trichloroethane	30	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	NA	NA	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	NA	NA	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	NA	NA	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	NA	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1 **	< 1.1 **	< 1.1 **	NA	NA	< 1.1**	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **
1,2-Dibromoethane	0.03 [0.5]	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52**	< 0.52**	< 0.52**	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	NA	NA	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	NA	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	NA	NA	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6000	< 2.4	< 2.4	< 2.4	NA	NA	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	NA	NA	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	NA	NA	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	NA	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	NA	NA	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29	< 0.29	NA	NA	< 0.29	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29 J	< 0.29	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	< 0.56	< 0.56	< 0.56	NA	NA	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	NA	NA	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	NA	NA	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	NA	NA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	NA	NA	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	NA	NA	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	NA	NA	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	< 0.2	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7000	< 2.1	< 2.1	< 2.1	NA	NA	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	NA	NA	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	NA	NA	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	NA	NA	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	NA	NA	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	NA	NA	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	NA	NA	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	NA	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	NA	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	NA	NA	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	NA	NA	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylene, -m,p	NS	< 0.42	< 0.42	< 0.42	NA	NA	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	3.7 J	0	0	0	0	0	0	0	0	0	0
SVOC																
1,1'-Biphenyl	400	< 0.33	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 1.9	< 1.9	< 2.1	< 1.9	< 1.9	< 1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.6	< 1.6	< 1.7	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.6	< 1.6	< 1.8	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 0.89	< 0.89	< 0.97	< 0.89	< 0.89	< 0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	10	< 0.86	< 0.86	< 0.93	< 0.86	< 0.86	< 0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	10	< 0.56	< 0.56	< 0.61	< 0.56	< 0.56	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.98	< 0.98	< 1.1	< 0.98	< 0.98	< 0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 0.95	< 0.95	< 1	< 0.95	< 0.95	< 0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.41	< 0.41	< 0.44	< 0.41	< 0.41	< 0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.66	< 0.66	< 0.72	< 0.66	< 0.66	< 0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.8	< 1.8	< 2	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-cresol	NS	< 0.72	< 0.72	< 0.78	< 0.72	< 0.72	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.3	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.4	< 0.4	< 0.43	< 0.4	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.43	< 0.43	< 0.47	< 0.43	< 0.43	< 0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.72	< 0.72	< 0.78	< 0.72	< 0.72	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 0.84	< 0.84	< 0.92	< 0.84	< 0.84	< 0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	700	< 0.37	< 0.37	< 0.41	< 0.37	< 0.37	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Field Blanks						Trip Blank	Trip Blanks							
Sample Name		**FIELD BLANK 061006**	**FIELD BLANK 061009**	**FIELD BLANK 061010**	**FB112806**	**FB112906**	**FB-061130**	**TB092606**	**TRIP BLANK 060926**	**TB092706**	**TB092806**	**TRIP BLANK060927**	**TRIP BLANK 060928**	**TRIP BLANK 060929**	**TB100206**	**TRIP BLANK 061002**
Sample Date	**GWQS[1]**	**10/6/2006**	**10/9/2006**	**10/10/2006**	**11/28/2006**	**11/29/2006**	**11/30/2006**	**9/27/2006**	**9/27/2006**	**9/28/2006**	**9/28/2006**	**9/28/2006**	**9/28/2006**	**9/29/2006**	**10/2/2006**	**10/2/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Atrazine	3	< 0.16	< 0.16	< 0.18	< 0.16	< 0.16	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 0.27	< 0.27	< 0.29	< 0.27	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.59	< 0.59	< 0.64	< 0.59	< 0.59	< 0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.65	< 0.65	< 0.71	< 0.65	< 0.65	< 0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.53	< 0.53	< 0.58	< 0.53	< 0.53	< 0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.74	< 0.74	< 0.8	< 0.74	< 0.74	< 0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.66	< 0.66	1.5 J	< 0.66	< 0.66	< 0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NS	< 0.32	< 0.32	< 0.34	< 0.32	< 0.32	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	< 0.36	< 0.36	< 0.4	< 0.36	< 0.36	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.34	< 0.34	< 0.37	< 0.34	< 0.34	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.39	< 0.39	< 0.42	< 0.39	< 0.39	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.33	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.59	< 0.59	< 0.64	< 0.59	< 0.59	< 0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.57	< 0.57	< 0.62	< 0.57	< 0.57	< 0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.41	< 0.41	< 0.44	< 0.41	< 0.41	< 0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.28	< 0.28	< 0.31	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	< 0.59	< 0.59	< 0.64	< 0.59	< 0.59	< 0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.42	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.47	< 0.47	< 0.51	< 0.47	< 0.47	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.52	< 0.52	< 0.56	< 0.52	< 0.52	< 0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2000	< 0.5	< 0.5	< 0.54	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC - SIM																
Acenaphthene	400	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.0095	< 0.0095	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2000	< 0.021	< 0.021	< 0.023	< 0.021	< 0.021	< 0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.0068	< 0.0068	< 0.0074	< 0.0068	< 0.0068	< 0.0068	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.017	< 0.017	< 0.018	< 0.017	< 0.017	< 0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.036	< 0.036	< 0.039	< 0.036	< 0.036	< 0.036	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.018	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.016	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chyrsene	5	< 0.017	< 0.017	< 0.018	< 0.017	< 0.017	< 0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.016	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.009	< 0.009	< 0.0098	< 0.009	< 0.009	< 0.009	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	< 0.02	< 0.02	< 0.022	< 0.02	< 0.02	< 0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.061*	< 0.061*	< 0.066*	< 0.061*	< 0.061*	< 0.061*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	< 0.026	< 0.026	< 0.028	< 0.026	< 0.026	< 0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.4 **	< 0.4 *	< 0.43 *	< 0.4*	< 0.4*	< 0.4*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.021	< 0.021	< 0.023	< 0.021	< 0.021	< 0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																
PCB 1016	0.5	< 0.094	< 0.099	< 0.098	< 0.099	< 0.1	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	< 0.47	< 0.49	< 0.49	< 0.49	< 0.51	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	< 0.39	< 0.41	< 0.41	< 0.41	< 0.42	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	< 0.16	< 0.17	< 0.17	< 0.17	< 0.18	< 0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	< 0.15	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	0	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																
4,4-DDD	0.1	< 0.0024	< 0.0025	< 0.0025	< 0.0025	< 0.0026	< 0.0024	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	0.1	< 0.0017	< 0.0018	< 0.0017	< 0.0018	< 0.0018	< 0.0017	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	0.1	< 0.0049	< 0.0052	< 0.0051	< 0.0052	< 0.0053	< 0.0049	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0.04	< 0.0033	< 0.0035	< 0.0035	< 0.0035	< 0.0036	< 0.0033	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	0.02	< 0.0026	< 0.0027	< 0.0027	< 0.0027	< 0.0028	< 0.0026	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-Chlordane	NS	< 0.0044	< 0.0046	< 0.0045	< 0.0046	< 0.0047	< 0.0044	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	0.04	< 0.0062	< 0.0065	< 0.0064	< 0.0065	< 0.0066	< 0.0062	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NS	< 0.0031	< 0.0033	< 0.0032	< 0.0033	< 0.0033	< 0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.03	< 0.0017	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I (alpha)	40	< 0.0021	< 0.0022	< 0.0022	< 0.0022	< 0.0023	< 0.0021	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II (beta)	40	< 0.0032	< 0.0034	< 0.0034	< 0.0034	< 0.0035	< 0.0032	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	40	< 0.0046	< 0.0049	< 0.0048	< 0.0049	< 0.005	< 0.0046	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	2	< 0.003	< 0.0032	< 0.0031	< 0.0032	< 0.0032	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NS	< 0.0064	< 0.0068	< 0.0067	< 0.0068	< 0.0069	< 0.0064	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NS	< 0.0035	< 0.0037	< 0.0036	< 0.0037	< 0.0038	< 0.0035	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-Chlordane	NS	< 0.0017	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.05	< 0.0026	< 0.0027	< 0.0027	< 0.0027	< 0.0028	< 0.0026	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	0.2	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0016	< 0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lindane	0.03	< 0.0017	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0017	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	40	< 0.0068	< 0.0071	< 0.007	< 0.0071	< 0.0073	< 0.0068	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	2	< 0.094	< 0.099	< 0.098	< 0.099	< 0.1	< 0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total																
Aluminum	200	< 110	< 110	< 110	< 23	< 23	< 23	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 4.4	< 4.4	< 4.4	< 5	< 5	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	1.8 B	< 1.5	< 3.1	< 0.79	< 0.79	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	2.9 B	< 2.5	< 2.5	< 2.3	< 2.3	< 2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Field Blanks						Trip Blank	Trip Blanks							
Sample Name		**FIELD BLANK 061006**	**FIELD BLANK 061009**	**FIELD BLANK 061010**	**FB112806**	**FB112906**	**FB-061130**	**TB092606**	**TRIP BLANK 060926**	**TB092706**	**TB092806**	**TRIP BLANK060927**	**TRIP BLANK 060928**	**TRIP BLANK 060929**	**TB100206**	**TRIP BLANK 061002**
Sample Date	**GWQS[1]**	**10/6/2006**	**10/9/2006**	**10/10/2006**	**11/28/2006**	**11/29/2006**	**11/30/2006**	**9/27/2006**	**9/27/2006**	**9/28/2006**	**9/28/2006**	**9/28/2006**	**9/28/2006**	**9/29/2006**	**10/2/2006**	**10/2/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Beryllium	1	< 0.5	< 0.5	< 0.5	< 0.4	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.6	< 0.6	< 0.6	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	159 B	< 62	< 62	173 B	173 B	< 49 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	< 1.6	< 1.6	< 1.6	< 0.8	< 0.8	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	< 1.7	< 1.7	< 1.7	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	5.2 B	4.6 B	2.3 B	< 2.7	< 2.7	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	< 67	< 67	< 67	< 25	< 25	53.7 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 2.6	**9.1**	< 2.6	< 2.8	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	< 16	< 16	< 16	< 14	< 14	< 14	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	0.51 B	< 0.4	0.74 B	< 0.6	< 0.6	2.3 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.08	< 0.08	< 0.08	< 0.037	< 0.037	< 0.037	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	< 1.6	3.4 B	< 1.6	< 2.8	< 2.8	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	< 65	< 65	< 65	< 55	< 55	< 55	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	6.8 B	< 3	< 3	< 6.2	< 6.2	< 6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 1.9	< 1.9	< 1.9	< 1	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	1500 B	1320 B	825 B	1360 B	1380 B	1210 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	0.12 B	0.22 B	0.26 B	< 1.3	< 1.3	0.18 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	9.5 B	15.9 B	8.6 B	< 3.4	< 3.4	3.6 BJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Dissolved																
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodide	NS	NA	NA	NA	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks										
Sample Name		TB100306	TB100406	TRIP BLANK 061003	TB100506	TRIP BLANK 061005	TRIP BLANK 061006	TRIP BLANK 061009	TRIP BLANK 061010	TB112806(J47541)	TB112806	TB-061130
Sample Date	GWQS[1]	10/4/2006	10/4/2006	10/4/2006	10/5/2006	10/5/2006	10/6/2006	10/9/2006	10/10/2006	11/28/2006	11/29/2006	11/30/2006
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC												
1,1,1 -Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	NA	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	NA	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	NA	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1 **	< 1.1**	NA	< 1.1**
1,2-Dibromoethane	0.03 [0.5]	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52 **	< 0.52**	< 0.52**	< 0.52**
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	NA	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	< 1.1
Acetone	6000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	NA	< 2.4
Benzene	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	NA	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	NA	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	NA	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	NA	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	NA	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	NA	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2
Methyl acetate	7000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	NA	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	NA	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	NA	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	NA	< 0.28
Toluene	1000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	NA	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	NA	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	NA	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	NA	< 0.29
Xylene, -m,p	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	NA	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0
SVOC												
1,1'-Biphenyl	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-cresol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks										
Sample Name		**TB100306**	**TB100406**	**TRIP BLANK 061003**	**TB100506**	**TRIP BLANK 061005**	**TRIP BLANK 061006**	**TRIP BLANK 061009**	**TRIP BLANK 061010**	**TB112806(J47541)**	**TB112806**	**TB-061130**
Sample Date	**GWQS[1]**	**10/4/2006**	**10/4/2006**	**10/4/2006**	**10/5/2006**	**10/5/2006**	**10/6/2006**	**10/9/2006**	**10/10/2006**	**11/28/2006**	**11/29/2006**	**11/30/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Atrazine	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC - SIM												
Acenaphthene	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chyrsene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs												
PCB 1016	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides												
4,4-DDD	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
alpha-Chlordane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I (alpha)	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II (beta)	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gamma-Chlordane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lindane	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total												
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well							Trip Blanks					
Sample Name		**TB100306**	**TB100406**	**TRIP BLANK 061003**	**TB100506**	**TRIP BLANK 061005**	**TRIP BLANK 061006**	**TRIP BLANK 061009**	**TRIP BLANK 061010**	**TB112806(J47541)**	**TB112806**	**TB-061130**
Sample Date	**GWQS[1]**	**10/4/2006**	**10/4/2006**	**10/4/2006**	**10/5/2006**	**10/5/2006**	**10/6/2006**	**10/9/2006**	**10/10/2006**	**11/28/2006**	**11/29/2006**	**11/30/2006**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Dissolved												
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iodide	NS	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS

Results are presented in microgram per liter (ug/L).

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte was detected in one or more of the associated blanks.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
R	Rejected result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
PCBs	Polychlorinated biphenyls.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.
**	Detection limit also above the 2004 GWQS standard.

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)	SC1		
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**	**SC1(041107)**	**FB040207**	**FIELDBLANK070402**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**	**4/11/2007**	**4/2/2007**	**4/2/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOC																			
1,1,1-Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	0.42 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	0.75 J	1.1	1.1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**
1,2-Dibromoethane	0.03 [0.5]	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6,000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	0.59 J	0.48 J	**1.4**	**1.5**	< 0.21	**1.9**	**1.5**	**2.6**	**2.6**	**1.9**	**2.7**	< 0.21	< 0.21	< 0.21	< 0.21	**1.4**	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54 J	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	0.28 J	0.23 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	1.5	< 0.56	1.8	1.8	< 0.56	14.9	15.4	22.2	6.9	4.5	11.2	< 0.56	< 0.56	< 0.56	< 0.56	1.6	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.9 J	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.33 J	0.32 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	6.7	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	0.5 J	< 0.2	0.34 J	< 0.2	< 0.2	0.36 J	< 0.2	< 0.2	1.4 J	1.1 J	0.92 J	< 0.2	< 0.2	< 0.2	< 0.2	3.2	< 0.2	< 0.2
Methyl acetate	7,000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	3.4 J	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	0.34 J	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	6	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	31.5	27.1 J	89.7	0.54 J	0.69 J	88.4	0.54 J	2.7	2.6	1.8	1.7	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
VOC (continued)																			
Trichlorofluoromethane	2,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	1.2	0.97 J	0.44 J	6.5	0.55 J	2	< 0.42	< 0.42	< 0.42	< 0.42	76.7	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	1.5	0.97	0.44 J	6.5	0.55 J	2	< 0.31	< 0.31	< 0.31	< 0.31	82.8	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118.5 J	0	0

R2-0003374

Well		Field Blanks																						
Sample Name	**GWQS[1]**	**FB-040307**	**FIELDBLANK070403**	**FB(040407)**	**FIELDBLANK070404**	**FIELD BLANK070405**	**FB(040507)**	**FB(040607)**	**FIELDBLANK 070406**	**FB(040907)**	**FIELDBLANK070409**	**FIELDBLANK070410**	**FB(041007)**	**FB(041107)**	**FB(041207)**	**FIELD BLANK 070412**	**FIELD BLANK 070413**	**FIELDBLANK070416**	**FIELDBLANK070417**	**FIELDBLANK 070418**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**
Sample Date		**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**	**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/17/2007**	**4/18/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOC																								
1,1,1-Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**
1,2-Dibromoethane	0.03 [0.5]	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6,000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54 J	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7,000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
VOC (continued)																								
Trichlorofluoromethane	2,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Well		Trip Blanks							Trip Blanks (continued)								
Sample Name	GWQS[1]	TRIPBLANK(040407)	TRIPBLANK070404	TRIPBLANK(040507)	TRIP BLANK070405	TRIPBLANK(040607)	TRIPBLANK 070406	TRIPBLANK(040907)	TRIPBLANK070409	TRIPBLANK070410	TRIPBLANK(041007)	TRIPBLANK(041107)	TRIPBLANK(041207)	TRIP BLANK 070412	TRIP BLANK 070413	TRIPBLANK070416	TRIPBLANK 070418
Sample Date		4/4/2007	4/4/2007	4/5/2007	4/5/2007	4/6/2007	4/6/2007	4/9/2007	4/9/2007	4/10/2007	4/10/2007	4/11/2007	4/12/2007	4/12/2007	4/13/2007	4/16/2007	4/18/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																	
1,1,1-Trichloroethane	30	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**
1,2-Dibromoethane	0.03 [0.5]	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6,000	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54 J	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Chlorobenzene	50	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7,000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
VOC (continued)																	
Trichlorofluoromethane	2,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC																
1,1'-Biphenyl	400	< 0.34 J	< 0.36	< 0.42 J	< 0.36 J	< 0.36	< 0.35	< 0.4	< 0.35	< 0.36	< 0.34	< 0.36	< 0.34	< 0.33	< 0.35 J	< 0.33
2,4,5-Trichlorophenol	700	< 2 J	< 2.1	< 2.5 J	< 2.1 J	< 2.1	< 2.1	< 2.4	< 2.1	< 2.1	< 2	< 2.1	< 2	< 1.9	< 2.1 J	< 1.9
2,4,6-Trichlorophenol	20	< 1.3 J	< 1.4	< 1.6 J	< 1.4 J	< 1.4	< 1.3	< 1.5	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4 J	< 1.3
2,4-Dichlorophenol	20	< 1.6 J	< 1.7	< 2 J	< 1.7 J	< 1.7	< 1.7	< 1.9	< 1.7	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6	< 1.7 J	< 1.6
2,4-Dimethylphenol	100	< 1.7 J	< 1.8	< 2.1 J	< 1.8 J	< 1.8	3.5 J	2.8 J	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.6	< 1.8 J	< 1.6
2,4-Dinitrophenol	40	< 0.93 J	< 0.99	< 1.2 J	< 0.98 J	< 0.98	< 0.95	< 1.1	< 0.95	< 0.99	< 0.92	< 0.97	< 0.93	< 0.89	< 0.96 J	< 0.89
2,4-Dinitrotoluene	10	< 0.9 J	< 0.96	< 1.1 J	< 0.95 J	< 0.95	< 0.91 J	< 1	< 0.91	< 0.96	< 0.89	< 0.93	< 0.9	< 0.86	< 0.92 J	< 0.86
2,6-Dinitrotoluene	10	< 0.58 J	< 0.62	< 0.73 J	< 0.61 J	< 0.61	< 0.59 J	< 0.68	< 0.59	< 0.62	< 0.58	< 0.61	< 0.58	< 0.56	< 0.6 J	< 0.56
2-Chloronaphthalene	600	< 1 J	< 1.1	< 1.3 J	< 1.1 J	< 1.1	< 1	< 1.2	< 1	< 1.1	< 1	< 1.1	< 1	< 0.98	< 1.1 J	< 0.98
2-Chlorophenol	40	< 0.99 J	< 1.1	< 1.2 J	< 1 J	< 1	< 1	< 1.2	< 1	< 1.1	< 0.98	< 1	< 0.99	< 0.95	< 1 J	< 0.95
2-Methylnaphthalene	NS	< 0.43 J	< 0.45	< 0.53 J	< 0.45 J	< 0.45	< 0.43	< 0.5	< 0.43	< 0.45	< 0.42	< 0.44	< 0.43	< 0.41	< 0.44 J	< 0.41
2-Methylphenol	NS	< 1.4 J	< 1.5	< 1.8 J	< 1.5 J	< 1.5	< 1.4	< 1.7	< 1.4	< 1.5	< 1.4	< 1.5	< 1.4	< 1.4	< 1.5 J	< 1.4
2-Nitroaniline	NS	< 0.69 J	< 0.74	< 0.86 J	< 0.73 J	< 0.73	< 0.7	< 0.81	< 0.7	< 0.74	< 0.68	< 0.72	< 0.69	< 0.66	< 0.71 J	< 0.66
2-Nitrophenol	NS	< 1.9 J	< 2	< 2.4 J	< 2 J	< 2	< 1.9 J	< 2.2	< 1.9	< 2	< 1.9	< 2	< 1.9	< 1.8	< 1.9 J	< 1.8
3&4-Methylphenol	NS	< 1.3 J	< 1.4	< 1.6 J	< 1.4 J	< 1.4	< 1.4	< 1.5	1.9 J	< 1.4	< 1.3	1.7 J	< 1.3	< 1.3	< 1.4 J	< 1.3
3,3'-Dichlorobenzidine	30	< 1.3 J	< 1.4	< 1.6 J	< 1.3 J	< 1.3	< 1.3	< 1.5	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3 J	< 1.2
3-Nitroaniline	NS	< 1.3 J	< 1.4	< 1.6 J	< 1.4 J	< 1.4	< 1.3	< 1.5	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4 J	< 1.3
4,6-Dinitro-2-methylphenol	NS	< 0.75 J	< 0.8	< 0.94 J	< 0.79 J	< 0.79	< 0.77	< 0.88	< 0.77	< 0.8	< 0.74	< 0.78	< 0.75	< 0.72	< 0.78 J	< 0.72
4-Bromophenyl phenyl ether	NS	< 0.31 J	< 0.33	< 0.39 J	< 0.33 J	< 0.33	< 0.32	< 0.36	< 0.32	< 0.33	< 0.31	< 0.33	< 0.31	< 0.3	< 0.32 J	< 0.3
4-Chloro-3-Methylphenol	NS	< 1.2 J	< 1.3	< 1.5 J	< 1.3 J	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3 J	< 1.2
4-Chloroaniline	30	< 0.41 J	< 0.44	< 0.52 J	< 0.44 J	< 0.44	< 0.42	< 0.48	< 0.42	< 0.44 J	< 0.41	< 0.43	< 0.41	< 0.4	< 0.43 J	< 0.4
4-Chlorophenyl phenyl ether	NS	< 0.45 J	< 0.48	< 0.56 J	< 0.47 J	< 0.47	< 0.46	< 0.53	< 0.46	< 0.48	< 0.44	< 0.47	< 0.45	< 0.43	< 0.46 J	< 0.43
4-Nitroaniline	NS	< 0.75 J	< 0.8	< 0.94 J	< 0.79 J	< 0.79	< 0.77	< 0.88	< 0.77	< 0.8	< 0.74	< 0.78	< 0.75	< 0.72	< 0.78 J	< 0.72
4-Nitrophenol	NS	< 0.88 J	< 0.94	< 1.1 J	< 0.93 J	< 0.93	< 0.9	< 1	< 0.9	< 0.94	< 0.87	< 0.92	< 0.88	< 0.84	< 0.91 J	< 0.84
Acetophenone	700	< 0.39 J	< 0.42	< 0.49 J	< 0.41 J	< 0.41	< 0.4	< 0.46	< 0.4	< 0.42	< 0.39	< 0.41	< 0.39	< 0.37	< 0.4 J	< 0.37
Atrazine	3	< 0.17 J	< 0.18	< 0.21 J	< 0.18 J	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.17	< 0.18	< 0.17	< 0.16	< 0.18 J	< 0.16
Benzaldehyde	NS	< 0.28 J	< 0.29	< 0.34 J	< 0.29 J	< 0.29	< 0.28	< 0.32	< 0.28	< 0.29	< 0.27 R	< 0.29	< 0.28 R	< 0.27	< 0.28 R	< 0.27
Benzyl butyl phthalate	100	< 0.62 J	< 0.66	< 0.77 J	< 0.65 J	< 0.65	< 0.63	< 0.72	< 0.63	< 0.66	< 0.61	< 0.64	< 0.62	< 0.59	< 0.64 J	< 0.59
bis(2-Chloroethoxy)methane	NS	< 0.68 J	< 0.73	< 0.85 J	< 0.72 J	< 0.72	< 0.7	< 0.8	< 0.7	< 0.73	< 0.67	< 0.71	< 0.68	< 0.65	< 0.7 J	< 0.65
bis(2-Chloroethyl)ether	7	< 0.55 J	< 0.59	< 0.69 J	< 0.58 J	< 0.58	< 0.56	< 0.65	< 0.56	< 0.59	< 0.55	< 0.58	< 0.55	< 0.53	< 0.57 J	< 0.53
bis(2-Chloroisopropyl)ether	300	< 0.77 J	< 0.82	< 0.96 J	< 0.81 J	< 0.81	< 0.79	< 0.9	< 0.79	< 0.82 J	< 0.76	< 0.8	< 0.77	< 0.74	< 0.79 J	< 0.74
bis(2-Ethylhexyl)phthalate	3	< 0.69 J	< 0.73	< 0.86 J	< 0.73 J	< 0.73	**20.1**	**45.9**	**10.3**	< 0.73	< 0.68	**7.8**	< 0.69	**4.8 J**	< 0.71 J	< 0.66

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Caprolactam	NS	< 0.33 J	< 0.35	< 0.41 J	< 0.35 J	< 0.35	< 0.34	< 0.38	< 0.34	< 0.35	< 0.32	< 0.34	< 0.33	< 0.32	< 0.34 J	< 0.32
Carbazole	NS	< 0.38 J	< 0.4	< 0.47 J	< 0.4 J	< 0.4	< 0.39	< 0.44	< 0.39	< 0.4	< 0.38	< 0.4	< 0.38	< 0.36	< 0.39 J	< 0.36
Dibenzofuran	NS	< 0.36 J	< 0.38	< 0.45 J	< 0.38 J	< 0.38	< 0.37	< 0.42	< 0.37	< 0.38	< 0.35	< 0.37	< 0.36	< 0.34	< 0.37 J	< 0.34
Diethyl phthalate	6,000	< 0.41 J	< 0.43	< 0.51 J	< 0.43 J	< 0.43	1.6 J	< 0.48	< 0.41	< 0.43	< 0.4	< 0.42	< 0.41	< 0.39	< 0.42 J	< 0.39
Dimethyl phthalate	NS	< 0.34 J	< 0.36	< 0.43 J	< 0.36 J	< 0.36	< 0.35	< 0.4	< 0.35	< 0.36	< 0.34	< 0.36	< 0.34	< 0.33	< 0.35 J	< 0.33
di-n-butyl phthalate	700	< 0.62 J	< 0.66	< 0.77 J	< 0.65 J	< 0.65	< 0.63	< 0.72	< 0.63	< 0.66	< 0.61	< 0.64	< 0.62	< 0.59	< 0.64 J	< 0.59
di-n-octylphthalate	100	< 0.59 J	< 0.63	< 0.74 J	< 0.63 J	< 0.63 J	< 0.61	< 0.69	< 0.61	< 0.63	< 0.59	< 0.62 J	< 0.59	< 0.57	< 0.61 J	< 0.57
Hexachlorobutadiene	1	< 0.18 J	< 0.19 J	< 0.23 J	< 0.19 J	< 0.19	< 0.19	< 0.21	< 0.19	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	< 0.19 J	< 0.18
Hexachlorocyclopentadiene	40	< 0.42 J	< 0.45	< 0.53 J	< 0.45 J	< 0.45	< 0.43	< 0.5	< 0.43	< 0.45	< 0.42	< 0.44	< 0.42	< 0.41	< 0.44 J	< 0.41
Hexachloroethane	7	< 0.29 J	< 0.31 J	< 0.37 J	< 0.31 J	< 0.31	< 0.3	< 0.35	< 0.3	< 0.31	< 0.29	< 0.31	< 0.29	< 0.28	< 0.3 J	< 0.28
Isophrone	40	< 0.61 J	< 0.65	< 0.76 J	< 0.65 J	< 0.65	1.2 J	< 0.72	< 0.63	< 0.65	< 0.61	< 0.64	< 0.61	< 0.59	< 0.63 J	< 0.59
Nitrobenzene	6	< 0.44 J	< 0.47	< 0.54 J	< 0.46 J	< 0.46	< 0.45	< 0.51	< 0.45	< 0.47	< 0.43	< 0.46	< 0.44	< 0.42	< 0.45 J	< 0.42
N-Nitroso-di-n-Propylamine	10	< 0.49 J	< 0.52	< 0.61 J	< 0.51 J	< 0.51	< 0.5	< 0.57	< 0.5	< 0.52	< 0.48	< 0.51	< 0.49	< 0.47	< 0.5 J	< 0.47
N-Nitrosodiphenylamine	10	< 0.54 J	< 0.57	< 0.67 J	< 0.57 J	< 0.57	< 0.55	< 0.63	< 0.55	< 0.57	< 0.53	< 0.56	< 0.54	< 0.52	< 0.55 J	< 0.52
Phenol	2,000	< 0.52 J	< 0.55	< 0.64 J	< 0.55 J	< 0.55	< 0.53	< 0.6	< 0.53	< 0.55	< 0.51	< 0.54	< 0.52	< 0.5	< 0.53 J	< 0.5
Total TIC, Semi-Volatile	NS	0	5.4 J	6.4 J	12.8 J	0	22.9 J	10 J	12.9 J	7.9 J	18.2 J	47.2 J	11 J	0	0	0
SVOC - SIM Method																
	400	< 0.018 J	< 0.019	< 0.022 J	< 0.019 J	< 0.019	< 0.018	< 0.021	< 0.018	< 0.019	< 0.018	< 0.019	< 0.018	< 0.017	< 0.018 J	< 0.017
Acenaphthylene	NS	< 0.0099 J	< 0.011	< 0.012 J	< 0.01 J	< 0.01	< 0.01	< 0.012	< 0.01	< 0.011	< 0.0098	< 0.01	< 0.0099	< 0.0095	< 0.01 J	< 0.0095
Anthracene	2,000	< 0.022 J	< 0.023	< 0.027 J	< 0.023 J	< 0.023	< 0.022	< 0.025	< 0.022	< 0.023	< 0.022	< 0.023	< 0.022	< 0.021	< 0.022 J	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.0071 J	< 0.0076	< 0.0088 J	< 0.0075 J	< 0.0075	< 0.0072	< 0.0083	< 0.0072	< 0.0076	< 0.007	< 0.0074	< 0.0071	< 0.0068	< 0.0073 J	< 0.0068
Benzo(a)pyrene	0.1 [0.2]	< 0.018 J	< 0.019	< 0.022 J	< 0.019 J	< 0.019	< 0.018	< 0.021	< 0.018	< 0.019	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018 J	< 0.017
Benzo(b)fluoranthene	0.2 [10]	< 0.038 J	< 0.04	< 0.047 J	< 0.04 J	< 0.04	< 0.039 J	< 0.044	< 0.039	< 0.04	< 0.037	< 0.039	< 0.038	< 0.036	< 0.039 J	< 0.036
Benzo(g,h,i)perylene	NS	< 0.019 J	< 0.02	< 0.023 J	< 0.02 J	< 0.02	< 0.019	< 0.022	< 0.019	< 0.02	< 0.018	< 0.019	< 0.019	< 0.018	< 0.019 J	< 0.018
Benzo(k)fluoranthene	0.5	< 0.016 J	< 0.017	< 0.02 J	< 0.017 J	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.016	< 0.017	< 0.016	< 0.016	< 0.017 J	< 0.016
Chrysene	5	< 0.017 J	< 0.019	< 0.022 J	< 0.018 J	< 0.018	< 0.018	< 0.02	< 0.018	< 0.019	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018 J	< 0.017
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.017 J	< 0.018	< 0.021 J	< 0.018 J	< 0.018	< 0.017	< 0.02	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.016	< 0.018 J	< 0.016
Fluoranthene	300	< 0.0094 J	< 0.01	< 0.012 J	< 0.0099 J	< 0.0099	< 0.0096	< 0.011	< 0.0096	< 0.01	< 0.0093	< 0.0098	< 0.0094	< 0.009	< 0.0097 J	< 0.009
Fluorene	300	< 0.021 J	< 0.022	< 0.026 J	< 0.022 J	< 0.022	< 0.021	< 0.025	< 0.021	< 0.022	< 0.021	< 0.022	< 0.021	< 0.02	< 0.022 J	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.021* J	< 0.022*	< 0.026* J	< 0.022* J	< 0.022*	< 0.021*	< 0.024*	< 0.021*	< 0.022*	< 0.021*	< 0.022*	< 0.021*	< 0.02	< 0.022* J	< 0.02
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012 J	< 0.012	< 0.014 J	< 0.012 J	< 0.012	< 0.012	< 0.014	< 0.012	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012 J	< 0.011
Naphthalene	300	< 0.027 J	0.298	0.316 J	0.357 J	< 0.028	< 0.027	< 0.031	< 0.027	0.986	0.663	0.342	< 0.027	< 0.026	< 0.028 J	< 0.026
Pentachlorophenol	0.3 [1]	< 0.31* R	< 0.33*	< 0.39* J	< 0.33* J	< 0.33* R	< 0.32*J	< 0.37*	< 0.32*	< 0.33*	< 0.31*	< 0.33*	< 0.31*	< 0.3	< 0.32* J	< 0.3
Phenanthrene	NS	< 0.022 J	< 0.023	< 0.027 J	< 0.023 J	< 0.023	< 0.022	< 0.026	< 0.022	< 0.023	< 0.022	< 0.023	< 0.022	< 0.021	< 0.023 J	< 0.021
Pyrene	200	< 0.015 J	< 0.016	< 0.018 J	< 0.015 J	< 0.015	< 0.015	< 0.017	< 0.015	< 0.016	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015 J	< 0.014

Well		SC1	Field Blanks												
Sample Name	**GWQS[1]**	**SC1(041107)**	**FB040207**	**FIELDBLANK070402**	**FB-040307**	**FIELDBLANK070403**	**FB(040407)**	**FIELDBLANK070404**	**FIELD BLANK070405**	**FB(040507)**	**FB(040607)**	**FIELDBLANK 070406**	**FB(040907)**	**FIELDBLANK070409**	**FIELDBLANK070410**
Sample Date		**4/11/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**	**4/9/2007**	**4/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC															
1,1'-Biphenyl	400	< 0.35	< 0.37	< 0.36	< 0.34	< 0.33	< 0.33	< 0.33	< 0.33	< 0.52	< 0.37	< 0.33	< 0.39	< 0.34	< 0.33
2,4,5-Trichlorophenol	700	< 2.1	< 2.2	< 2.1	< 2	< 1.9	< 1.9	< 1.9	< 1.9	< 3.1	< 2.2	< 1.9	< 2.3	< 2	< 1.9
2,4,6-Trichlorophenol	20	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2	< 1.4	< 1.3	< 1.5	< 1.3	< 1.3
2,4-Dichlorophenol	20	< 1.7	< 1.8	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 2.5	< 1.8	< 1.6	< 1.9	< 1.6	< 1.6
2,4-Dimethylphenol	100	< 1.8	< 1.9	< 1.8	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 2.6	< 1.8	< 1.6	< 2	< 1.7	< 1.6
2,4-Dinitrophenol	40	< 0.96	< 1	< 0.97	< 0.93	< 0.89	< 0.89	< 0.89	< 0.89	< 1.4	< 1	< 0.89	< 1.1	< 0.94	< 0.89
2,4-Dinitrotoluene	10	< 0.92	< 0.98	< 0.93	< 0.9	< 0.86	< 0.86	< 0.86	< 0.86	< 1.4	< 0.97	< 0.86	< 1	< 0.91	< 0.86
2,6-Dinitrotoluene	10	< 0.6	< 0.64	< 0.61	< 0.58	< 0.56	< 0.56	< 0.56	< 0.56	< 0.89	< 0.63	< 0.56	< 0.67	< 0.59	< 0.56
2-Chloronaphthalene	600	< 1.1	< 1.1	< 1.1	< 1	< 0.98	< 0.98	< 0.98	< 0.98	< 1.6	< 1.1	< 0.98	< 1.2	< 1	< 0.98
2-Chlorophenol	40	< 1	< 1.1	< 1	< 0.99	< 0.95	< 0.95	< 0.95	< 0.95	< 1.5	< 1.1	< 0.95	< 1.1	< 1	< 0.95
2-Methylnaphthalene	NS	0.56 J	< 0.46	< 0.44	< 0.43	< 0.41	< 0.41	< 0.41	< 0.41 J	< 0.65	< 0.46	< 0.41	< 0.49	< 0.43	< 0.41
2-Methylphenol	NS	< 1.5	< 1.5	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 2.2	< 1.5	< 1.4	< 1.6	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.71	< 0.75	< 0.72	< 0.69	< 0.66	< 0.66	< 0.66	< 0.66	< 1.1	< 0.74	< 0.66	< 0.79	< 0.7	< 0.66
2-Nitrophenol	NS	< 1.9	< 2.1	< 2	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 2.9	< 2	< 1.8	< 2.2	< 1.9	< 1.8
3&4-Methylphenol	NS	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2	< 1.4	< 1.3	< 1.5	< 1.3	< 1.3
3,3'-Dichlorobenzidine	30	< 1.3	< 1.4	< 1.3	< 1.3	< 1.2	< 1.2 J	< 1.2	< 1.2	< 1.9	< 1.4	< 1.2	< 1.5	< 1.3	< 1.2
3-Nitroaniline	NS	< 1.4	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2	< 1.4	< 1.3	< 1.5	< 1.3	< 1.3
4,6-Dinitro-2-methylphenol	NS	< 0.78	< 0.82	< 0.78	< 0.75	< 0.72	< 0.72	< 0.72	< 0.72	< 1.1	< 0.81	< 0.72	< 0.86	< 0.76	< 0.72
4-Bromophenyl phenyl ether	NS	< 0.32	< 0.34	< 0.33	< 0.31	< 0.3	< 0.3	< 0.3	< 0.3	< 0.47	< 0.34	< 0.3	< 0.36	< 0.31	< 0.3
4-Chloro-3-Methylphenol	NS	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.9	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2
4-Chloroaniline	30	< 0.43	< 0.45 J	< 0.43	< 0.41	< 0.4	< 0.4	< 0.4	< 0.4	< 0.63	< 0.45	< 0.4	< 0.47	< 0.42	< 0.4
4-Chlorophenyl phenyl ether	NS	< 0.46	< 0.49	< 0.47	< 0.45	< 0.43	< 0.43	< 0.43	< 0.43	< 0.68	< 0.48	< 0.43	< 0.51	< 0.45	< 0.43
4-Nitroaniline	NS	< 0.78	< 0.82	< 0.78	< 0.75	< 0.72	< 0.72	< 0.72	< 0.72	< 1.1	< 0.81	< 0.72	< 0.86	< 0.76	< 0.72
4-Nitrophenol	NS	< 0.91	< 0.96	< 0.92	< 0.88	< 0.84	< 0.84	< 0.84	< 0.84	< 1.3	< 0.95	< 0.84	< 1	< 0.89	< 0.84
Acetophenone	700	< 0.4	< 0.42	< 0.41	< 0.39	< 0.37	< 0.37	< 0.37	< 0.37	< 0.59	< 0.42	< 0.37	< 0.45	< 0.39	< 0.37
Atrazine	3	< 0.18	< 0.19	< 0.18	< 0.17	< 0.16	< 0.16	< 0.16	< 0.16	< 0.26	< 0.18	< 0.16	< 0.19	< 0.17	< 0.16
Benzaldehyde	NS	< 0.28	< 0.3	< 0.29	< 0.28	< 0.27 R	< 0.27 R	< 0.27	< 0.27 J	< 0.42	< 0.3	< 0.27	< 0.32	< 0.28	< 0.27
Benzyl butyl phthalate	100	< 0.64	< 0.67	< 0.64	< 0.62	< 0.59	< 0.59	< 0.59	< 0.59	< 0.94	< 0.67	< 0.59	< 0.71	< 0.62	< 0.59
bis(2-Chloroethoxy)methane	NS	< 0.7	< 0.74	< 0.71	< 0.68	< 0.65	< 0.65	< 0.65	< 0.65	< 1	< 0.73	< 0.65	< 0.78	< 0.69	< 0.65
bis(2-Chloroethyl)ether	7	< 0.57	< 0.6	< 0.58	< 0.55	< 0.53	< 0.53	< 0.53	< 0.53	< 0.84	< 0.6	< 0.53	< 0.63	< 0.56	< 0.53
bis(2-Chloroisopropyl)ether	300	< 0.79	< 0.84 J	< 0.8	< 0.77	< 0.74	< 0.74	< 0.74	< 0.74	< 1.2	< 0.83	< 0.74	< 0.88	< 0.78	< 0.74
bis(2-Ethylhexyl)phthalate	3	3	< 0.75	< 0.72	< 0.69	< 0.66	< 0.66	< 0.66	1.5 BJ	< 1	< 0.74	< 0.66	< 0.79	< 0.7	< 0.66

Well		SC1	Field Blanks												
Sample Name	**GWQS[1]**	**SC1(041107)**	**FB040207**	**FIELDBLANK070402**	**FB-040307**	**FIELDBLANK070403**	**FB(040407)**	**FIELDBLANK070404**	**FIELD BLANK070405**	**FB(040507)**	**FB(040607)**	**FIELDBLANK 070406**	**FB(040907)**	**FIELDBLANK070409**	**FIELDBLANK070410**
Sample Date		**4/11/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**	**4/9/2007**	**4/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Caprolactam	NS	< 0.34	< 0.36	< 0.34	< 0.33	< 0.32	< 0.32	< 0.32	< 0.32	< 0.5	< 0.35	< 0.32	< 0.38	< 0.33	< 0.32
Carbazole	NS	< 0.39	< 0.41	< 0.4	< 0.38	< 0.36	< 0.36	< 0.36	< 0.36	< 0.58	< 0.41	< 0.36	< 0.43	< 0.38	< 0.36
Dibenzofuran	NS	< 0.37	< 0.39	< 0.37	< 0.36	< 0.34	< 0.34	< 0.34	< 0.34	< 0.55	< 0.39	< 0.34	< 0.41	< 0.36	< 0.34
Diethyl phthalate	6,000	< 0.42	< 0.44	< 0.42	< 0.41	< 0.39	< 0.39	< 0.39	< 0.39	< 0.62	< 0.44	< 0.39	< 0.46	< 0.41	< 0.39
Dimethyl phthalate	NS	< 0.35	< 0.37	< 0.36	< 0.34	< 0.33	< 0.33	< 0.33	< 0.33	< 0.52	< 0.37	< 0.33	< 0.39	< 0.35	< 0.33
di-n-butyl phthalate	700	< 0.64	< 0.67	< 0.64	< 0.62	< 0.59	< 0.59	< 0.59	< 0.59	< 0.94	< 0.67	< 0.59	< 0.7	< 0.62	< 0.59
di-n-octylphthalate	100	< 0.61	< 0.65	< 0.62	< 0.59	< 0.57	< 0.57	< 0.57	< 0.57	< 0.9	< 0.64	< 0.57 J	< 0.68 J	< 0.6	< 0.57
Hexachlorobutadiene	1	< 0.19	< 0.2	< 0.19	< 0.18 J	< 0.18	< 0.18 J	< 0.18	< 0.18 J	< 0.28	< 0.2	< 0.18	< 0.21	< 0.18	< 0.18
Hexachlorocyclopentadiene	40	< 0.44	< 0.46	< 0.44	< 0.42	< 0.41	< 0.41	< 0.41	< 0.41	< 0.65	< 0.46	< 0.41	< 0.48	< 0.43	< 0.41
Hexachloroethane	7	< 0.3	< 0.32	< 0.31	< 0.29 J	< 0.28	< 0.28 J	< 0.28	< 0.28 J	< 0.45	< 0.32	< 0.28	< 0.34	< 0.3	< 0.28
Isophrone	40	< 0.63	< 0.67	< 0.64	< 0.61	< 0.59	< 0.59	< 0.59	< 0.59	< 0.93	< 0.66	< 0.59	< 0.7	< 0.62	< 0.59
Nitrobenzene	6	< 0.45	< 0.48	< 0.46	< 0.44	< 0.42	< 0.42	< 0.42	< 0.42	< 0.67	< 0.47	< 0.42	< 0.5	< 0.44	< 0.42
N-Nitroso-di-n-Propylamine	10	< 0.5	< 0.53	< 0.51	< 0.49	< 0.47	< 0.47	< 0.47	< 0.47	< 0.74	< 0.53	< 0.47	< 0.56	< 0.49	< 0.47
N-Nitrosodiphenylamine	10	< 0.55	< 0.59	< 0.56	< 0.54	< 0.52	< 0.52	< 0.52	< 0.52	< 0.82	< 0.58	< 0.52	< 0.61	< 0.54	< 0.52
Phenol	2,000	< 0.53	< 0.56	< 0.54	< 0.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.79	< 0.56	< 0.5	< 0.59	< 0.52	< 0.5
Total TIC, Semi-Volatile	NS	42.1 J	0	0	0	0	0	0	0	0	526.4 J	60.1 J	0	0	0
SVOC - SIM Method															
	400	< 0.018	< 0.019	< 0.019	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.02	< 0.018	< 0.017
Acenaphthylene	NS	< 0.01	< 0.011	< 0.01	< 0.0099	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.01	< 0.011	< 0.0095	< 0.011	< 0.01	< 0.0095
Anthracene	2,000	< 0.022	< 0.024	< 0.023	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021	< 0.023	< 0.023	< 0.021	< 0.025	< 0.022	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.0073	< 0.0077	< 0.0074	< 0.0071	< 0.0068	< 0.0068	< 0.0068	< 0.0068	< 0.0075	< 0.0076	< 0.0068	< 0.0081	< 0.0072	< 0.0068
Benzo(a)pyrene	0.1 [0.2]	< 0.018	< 0.019	< 0.018	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.02	< 0.018	< 0.017
Benzo(b)fluoranthene	0.2 [10]	< 0.039	< 0.041	< 0.039	< 0.038	< 0.036	< 0.036	< 0.036	< 0.036	< 0.04	< 0.041	< 0.036	< 0.043	< 0.038	< 0.036
Benzo(g,h,i)perylene	NS	< 0.019	< 0.02	< 0.019	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.02	< 0.02	< 0.018	< 0.021	< 0.019	< 0.018
Benzo(k)fluoranthene	0.5	< 0.017	< 0.018	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	< 0.018	< 0.016	< 0.019	< 0.017	< 0.016
Chyrsene	5	< 0.018	< 0.019	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.018	< 0.019	< 0.017	< 0.02	< 0.018	< 0.017
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.018	< 0.019	< 0.018	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.018	< 0.018	< 0.016	< 0.02	< 0.017	< 0.016
Fluoranthene	300	< 0.0097	< 0.01	< 0.0098	< 0.0094	< 0.009	< 0.009	< 0.009	< 0.009	< 0.0099	< 0.01	< 0.009	< 0.011	< 0.0095	< 0.009
Fluorene	300	< 0.022	< 0.023	< 0.022	< 0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.022	< 0.023	< 0.02	< 0.024	< 0.021	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.022*	< 0.023*	< 0.022*	< 0.021*	< 0.02	< 0.02	< 0.02	< 0.02	< 0.022*	< 0.022*	< 0.02	< 0.024*	< 0.021*	< 0.02
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012	< 0.013	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.013	< 0.012	< 0.011
Naphthalene	300	4.52	< 0.029	< 0.028	< 0.027	< 0.026	< 0.026	< 0.026	< 0.026	< 0.028	1.81	< 0.026	< 0.031	< 0.027	< 0.026
Pentachlorophenol	0.3 [1]	< 0.32*	< 0.34*	< 0.33*	< 0.31*	< 0.3	< 0.3	< 0.3	< 0.3 R	< 0.33*	< 0.34*	< 0.3	< 0.36* R	< 0.32*	< 0.3
Phenanthrene	NS	< 0.023	< 0.024	< 0.023	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021	< 0.023	< 0.024	< 0.021	< 0.025	< 0.022	< 0.021
Pyrene	200	< 0.015	< 0.016	< 0.015	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015	< 0.016	< 0.014	< 0.017	< 0.015	< 0.014

Well		Field Blanks (continued)											Trip Blanks				
Sample Name	**GWQS[1]**	**FB(041007)**	**FB(041107)**	**FB(041207)**	**FIELD BLANK 070412**	**FIELD BLANK 070413**	**FIELDBLANK070416**	**FIELDBLANK070417**	**FIELDBLANK 070418**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**	**TRIPBLANK(040407)**	**TRIPBLANK070404**	**TRIPBLANK(040507)**	**TRIP BLANK070405**
Sample Date		**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/17/2007**	**4/18/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC																	
1,1'-Biphenyl	400	< 0.35	< 0.33	< 0.42	< 0.33	< 0.33	< 0.36	< 0.33	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2.1	< 1.9	< 2.5	< 1.9	< 1.9	< 2.1	< 1.9	< 2.1	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.4	< 1.3	< 1.6	< 1.3	< 1.3	< 1.4	< 1.3	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.7	< 1.6	< 2	< 1.6	< 1.6	< 1.7	< 1.6	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.8	< 1.6	< 2.1	< 1.6	< 1.6	< 1.8	< 1.6	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 0.96	< 0.89	< 1.2	< 0.89	< 0.89	< 0.97	< 0.89	< 0.97	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	10	< 0.92	< 0.86	< 1.1	< 0.86	< 0.86 J	< 0.93	< 0.86	< 0.93	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	10	< 0.6	< 0.56	< 0.73	< 0.56	< 0.56 J	< 0.61	< 0.56	< 0.61	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 1.1	< 0.98	< 1.3	< 0.98	< 0.98	< 1.1	< 0.98	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 1	< 0.95	< 1.2	< 0.95	< 0.95	< 1	< 0.95	< 1	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.44	< 0.41	< 0.53	< 0.41	< 0.41	< 0.44	< 0.41	< 0.44	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.5	< 1.4	< 1.8	< 1.4	< 1.4	< 1.5	< 1.4	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.71	< 0.66	< 0.86	< 0.66	< 0.66	< 0.72	< 0.66	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.9	< 1.8	< 2.4	< 1.8	< 1.8 J	< 2	< 1.8	< 2	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.4	< 1.3	< 1.6	< 1.3	< 1.3	< 1.4	< 1.3	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 1.3	< 1.2	< 1.6	< 1.2	< 1.2	< 1.3	< 1.2	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 1.4	< 1.3	< 1.6	< 1.3	< 1.3	< 1.4	< 1.3	< 1.4	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 0.78	< 0.72	< 0.94	< 0.72	< 0.72	< 0.78	< 0.72	< 0.78	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.32	< 0.3	< 0.39	< 0.3	< 0.3	< 0.33	< 0.3	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.3	< 1.2	< 1.5	< 1.2	< 1.2	< 1.3	< 1.2	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.43	< 0.4	< 0.52	< 0.4	< 0.4	< 0.43	< 0.4	< 0.43	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.46	< 0.43	< 0.56	< 0.43	< 0.43	< 0.47	< 0.43	< 0.47	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.78	< 0.72	< 0.94	< 0.72	< 0.72	< 0.78	< 0.72	< 0.78	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 0.91	< 0.84	< 1.1	< 0.84	< 0.84	< 0.92	< 0.84	< 0.92	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	700	< 0.4	< 0.37	< 0.49	< 0.37	< 0.37	< 0.41	< 0.37	< 0.41	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	3	< 0.18	< 0.16	< 0.21	< 0.16	< 0.16	< 0.18	< 0.16	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 0.28	< 0.27	< 0.34	< 0.27	< 0.27	< 0.29	< 0.27	< 0.29	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.64	< 0.59	< 0.77	< 0.59	< 0.59	< 0.64	< 0.59	< 0.64	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.7	< 0.65	< 0.85	< 0.65	< 0.65	< 0.71	< 0.65	< 0.71	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.57	< 0.53	< 0.69	< 0.53	< 0.53	< 0.58	< 0.53	< 0.58	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.79	< 0.74	< 0.96	< 0.74	< 0.74	< 0.8	< 0.74	< 0.8	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	1.2 J	< 0.66	< 0.86	< 0.66	< 0.66	< 0.72	< 0.66	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA

Well		Field Blanks (continued)											Trip Blanks				
Sample Name	**GWQS[1]**	**FB(041007)**	**FB(041107)**	**FB(041207)**	**FIELD BLANK 070412**	**FIELD BLANK 070413**	**FIELDBLANK070416**	**FIELDBLANK070417**	**FIELDBLANK 070418**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**	**TRIPBLANK(040407)**	**TRIPBLANK070404**	**TRIPBLANK(040507)**	**TRIP BLANK070405**
Sample Date		**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/17/2007**	**4/18/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Caprolactam	NS	< 0.34	< 0.32	< 0.41	< 0.32	< 0.32	< 0.34	< 0.32	< 0.34	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	< 0.39	< 0.36	< 0.47	< 0.36	< 0.36	< 0.4	< 0.36	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.37	< 0.34	< 0.45	< 0.34	< 0.34	< 0.37	< 0.34	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6,000	< 0.42	< 0.39	< 0.51	< 0.39	< 0.39	< 0.42	< 0.39	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.35	< 0.33	< 0.43	< 0.33	< 0.33	< 0.36	< 0.33	< 0.36	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.64	< 0.59	< 0.77	< 0.59	< 0.59	< 0.64	< 0.59	< 0.64	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.61	< 0.57	< 0.74	< 0.57	< 0.57	< 0.62	< 0.57	< 0.62	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.19	< 0.18	< 0.23	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19 J	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.44	< 0.41	< 0.53	< 0.41	< 0.41	< 0.44	< 0.41	< 0.44	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.3	< 0.28	< 0.37	< 0.28	< 0.28	< 0.31	< 0.28	< 0.31 J	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	< 0.63	< 0.59	< 0.76	< 0.59	< 0.59	< 0.64	< 0.59	< 0.64	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.45	< 0.42	< 0.54	< 0.42	< 0.42	< 0.46	< 0.42	< 0.46	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.5	< 0.47	< 0.61	< 0.47	< 0.47	< 0.51	< 0.47	< 0.51	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.55	< 0.52	< 0.67	< 0.52	< 0.52	< 0.56	< 0.52	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2,000	< 0.53	< 0.5	< 0.64	< 0.5	< 0.5	< 0.54	< 0.5	< 0.54	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	0	0	5.1 J	9.6 J	0	0	NA	NA	NA	NA	NA	NA	NA	NA
SVOC - SIM Method																	
	400	< 0.018	< 0.017	< 0.022	< 0.017	< 0.017	< 0.019	< 0.017	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.01	< 0.0095	< 0.012	< 0.0095	< 0.0095	< 0.01	< 0.0095	< 0.01	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,000	< 0.022	< 0.021	< 0.027	< 0.021	< 0.021	< 0.023	< 0.021	< 0.023	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.0073	< 0.0068	< 0.0088	< 0.0068	< 0.0068	< 0.0074	< 0.0068	< 0.0074	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.018	< 0.017	< 0.022	< 0.017	< 0.017	< 0.018	< 0.017	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.039	< 0.036	< 0.047	< 0.036	< 0.036 J	< 0.039	< 0.036	< 0.039	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.019	< 0.018	< 0.023	< 0.018	< 0.018	< 0.019	< 0.018	< 0.019	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.017	< 0.016	< 0.02	< 0.016	< 0.016	< 0.017	< 0.016	< 0.017	NA	NA	NA	NA	NA	NA	NA	NA
Chyrsene	5	< 0.018	< 0.017	< 0.022	< 0.017	< 0.017	< 0.018	< 0.017	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.018	< 0.016	< 0.021	< 0.016	< 0.016	< 0.018	< 0.016	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.0097	< 0.009	< 0.012	< 0.009	< 0.009	< 0.0098	< 0.009	< 0.0098	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	< 0.022	< 0.02	< 0.026	< 0.02	< 0.02	< 0.022	< 0.02	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.022*	< 0.02	< 0.026*	< 0.02	< 0.02	< 0.022*	< 0.02	< 0.022*	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012	< 0.011	< 0.014	< 0.011	< 0.011	< 0.012	< 0.011	< 0.012	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	< 0.028	< 0.026	< 0.034	< 0.026	< 0.026	< 0.028	< 0.026	< 0.028	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.32*	< 0.3	< 0.39*	< 0.3	< 0.3 J	< 0.33*	< 0.3	< 0.33*	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.023	< 0.021	< 0.027	< 0.021	< 0.021	< 0.023	< 0.021	< 0.023	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	< 0.015	< 0.014	< 0.018	< 0.014	< 0.014	< 0.015	< 0.014	< 0.015	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks (continued)											
Sample Name	**GWQS[1]**	**TRIPBLANK(040607)**	**TRIPBLANK 070406**	**TRIPBLANK(040907)**	**TRIPBLANK070409**	**TRIPBLANK070410**	**TRIPBLANK(041007)**	**TRIPBLANK(041107)**	**TRIPBLANK(041207)**	**TRIP BLANK 070412**	**TRIP BLANK 070413**	**TRIPBLANK070416**	**TRIPBLANK 070418**
Sample Date		**4/6/2007**	**4/6/2007**	**4/9/2007**	**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC													
1,1'-Biphenyl	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks (continued)											
Sample Name	**GWQS[1]**	**TRIPBLANK(040607)**	**TRIPBLANK 070406**	**TRIPBLANK(040907)**	**TRIPBLANK070409**	**TRIPBLANK070410**	**TRIPBLANK(041007)**	**TRIPBLANK(041107)**	**TRIPBLANK(041207)**	**TRIP BLANK 070412**	**TRIP BLANK 070413**	**TRIPBLANK070416**	**TRIPBLANK 070418**
Sample Date		**4/6/2007**	**4/6/2007**	**4/9/2007**	**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Caprolactam	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC - SIM Method													
	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chyrsene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
PCBs																
PCB 1016	0.5	< 0.1	< 0.1	< 0.099	< 0.1	< 0.1	< 0.094	< 0.094	< 0.1	< 0.11	< 0.1	< 0.1	< 0.11	< 0.1 J	< 0.1	< 0.094
PCB 1221	0.5	< 0.51	< 0.52	< 0.49	< 0.51	< 0.51	< 0.47	< 0.47	< 0.51	< 0.53	< 0.52	< 0.51	< 0.53	< 0.51 J	< 0.52	< 0.47
PCB 1232	0.5	< 0.42	< 0.43	< 0.41	< 0.42	< 0.42	< 0.39	< 0.39	< 0.42	< 0.44	< 0.43	< 0.42	< 0.44	< 0.42 J	< 0.43	< 0.39
PCB 1242	0.5	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.16	< 0.16	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18 J	< 0.18	< 0.16
PCB 1248	0.5	< 0.16	< 0.17	< 0.16	< 0.17	< 0.17	< 0.15	< 0.15	< 0.16	< 0.17	< 0.17	< 0.16	< 0.17	< 0.16 J	< 0.17	< 0.15
PCB 1254	0.5	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12	< 0.11	< 0.11	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12 J	< 0.12	< 0.11
PCB 1260	0.5	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.12	< 0.12	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13 J	< 0.13	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Well		SC1	Field Blanks																			
Sample Name	GWQS[1]	SC1(041107)	FB040207	FIELDBLANK070402	FB-040307	FIELDBLANK070403	FB(040407)	FIELDBLANK070404	FIELD BLANK070405	FB(040507)	FB(040607)	FIELDBLANK 070406	FB(040907)	FIELDBLANK070409	FIELDBLANK070410	FB(041007)	FB(041107)	FB(041207)	FIELD BLANK 070412	FIELD BLANK 070413	FIELDBLANK070416	FIELDBLANK070417	FIELDBLANK 070418
Sample Date		4/11/2007	4/2/2007	4/2/2007	4/3/2007	4/3/2007	4/4/2007	4/4/2007	4/5/2007	4/5/2007	4/6/2007	4/6/2007	4/9/2007	4/9/2007	4/10/2007	4/10/2007	4/11/2007	4/12/2007	4/12/2007	4/13/2007	4/16/2007	4/17/2007	4/18/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
PCBs																							
PCB 1016	0.5	< 0.1	< 0.1	< 0.094	< 0.1	< 0.094	< 0.094	< 0.1	< 0.094	< 0.11	< 0.094	< 0.094	< 0.11	< 0.099	< 0.096	< 0.1	< 0.094	< 0.11	< 0.094	< 0.1	< 0.094	< 0.1 J	< 0.1
PCB 1221	0.5	< 0.52	< 0.51	< 0.47	< 0.5	< 0.47	< 0.47	< 0.51	< 0.47	< 0.53	< 0.47	< 0.47	< 0.55	< 0.49	< 0.48	< 0.51	< 0.47	< 0.54	< 0.47	< 0.51	< 0.47	< 0.51 J	< 0.52
PCB 1232	0.5	< 0.43	< 0.42	< 0.39	< 0.41	< 0.39	< 0.39	< 0.42	< 0.39	< 0.44	< 0.39	< 0.39	< 0.46	< 0.41	< 0.4	< 0.42	< 0.39	< 0.45	< 0.39	< 0.42	< 0.39	< 0.42 J	< 0.43
PCB 1242	0.5	< 0.18	< 0.18	< 0.16	< 0.17	< 0.16	< 0.16	< 0.18	< 0.16	< 0.18	< 0.16	< 0.16	< 0.19	< 0.17	< 0.17	< 0.18	< 0.16	< 0.19	< 0.16	< 0.18	< 0.16	< 0.18 J	< 0.18
PCB 1248	0.5	< 0.17	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.17	< 0.15	< 0.15	< 0.18	< 0.16	< 0.16	< 0.16	< 0.15	< 0.18	< 0.15	< 0.16	< 0.15	< 0.17 J	< 0.17
PCB 1254	0.5	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.13	< 0.11	< 0.11	< 0.12	< 0.11	< 0.13	< 0.11	< 0.12	< 0.11	< 0.12 J	< 0.12
PCB 1260	0.5	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.12	< 0.14	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13 J	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Well		Trip Blanks										
Sample Name	**GWQS[1]**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**	**TRIPBLANK(040407)**	**TRIPBLANK070404**	**TRIPBLANK(040507)**	**TRIP BLANK070405**	**TRIPBLANK(040607)**	**TRIPBLANK 070406**	**TRIPBLANK(040907)**
Sample Date		**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
PCBs												
PCB 1016	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks (continued)								
Sample Name	**GWQS[1]**	**TRIPBLANK070409**	**TRIPBLANK070410**	**TRIPBLANK(041007)**	**TRIPBLANK(041107)**	**TRIPBLANK(041207)**	**TRIP BLANK 070412**	**TRIP BLANK 070413**	**TRIPBLANK070416**	**TRIPBLANK 070418**
Sample Date		**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
PCBs										
PCB 1016	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Total																
Aluminum	200	39.2 B	**981**	< 23	50.9 B	**38500**	**250**	44.5 B	50.5 B	62.6 B	< 23	83.4 B	**368**	69.6 B	< 23	< 23
Antimony	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic - Method 6020	3 [8]	< 1.5	**24.6**	1.5 B	< 1.5	**10.4**	< 1.5	< 1.5	< 1.5	1.7 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Barium	2,000	84.9 B	120 B	64.4 B	64 B	178 B	35 B	18.9 B	22.6 B	225	123 B	427	4.6 B	2.4 B	2.5 B	3.6 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	**1.6**	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Metals - Total (continued)																
Cadmium	4	< 1.3	< 1.3	< 1.3	< 1.3	2.2 B	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Calcium	NS	13,100	41,400	52,300	51,000	13,700	70,500	68,900	78,900	67,600	77,700	68,000	11,100	11,400	11,900	14,400
Chromium	70	< 0.8	2.1 B	< 0.8	< 0.8	49.4	4.6 B	4.3 B	2.1 B	5.4 B	< 0.8	3.3 B	< 0.8	< 0.8	< 0.8	< 0.8
Cobalt	NS	< 1.8	6.8 B	23.9 B	23.6 B	31.1 B	2.5 B	< 1.8	3.5 B	56.3	31.3 B	10.6 B	< 1.8	< 1.8	< 1.8	< 1.8
Copper	1,300	< 2.7	< 2.7	< 2.7	< 2.7	132	65.6	13.3 B	44.9	3.1 B	254	12.8 BJ	6.4 BJ	< 2.7	< 2.7	< 2.7
Iron	300	**18,600**	**60,100**	**31,500**	**31,200**	**68,100**	**21,400**	**12,200**	**1,980**	**44,100**	**16,000**	**39,200**	**3,150**	**489**	**490**	213
Lead	5	< 2.8	< 2.8	< 2.8	< 2.8	**29.2**	**44.3**	**13.9**	**7**	4.5	**32.3 J**	4.6	< 2.8	< 2.8	< 2.8	< 2.8
Magnesium	NS	2,040 B	4,650 B	10,500	10,500	16,900	16,300	16,500	20,100	16,000	19,800	13,700	4,310 B	4,400 B	4,140 B	4,980 B
Manganese	50	**276 J**	**7,740**	**8,680**	**8,520**	**2840 J**	**3,970**	**3,550**	**5,340**	**11,700**	**11,300**	**6,620**	**63.9**	8 B	7.6 B	4.3 B
Mercury	2	< 0.037	< 0.037	< 0.037	< 0.037	0.26 B	< 0.037	< 0.037	0.051 B	0.054 B	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037
Nickel	100	< 2.8	3.8 B	3.4 B	3.7 B	68.5 J	12.6 B	9.6 B	10.4 B	19.3 B	7.9 B	10.8 B	< 2.8	< 2.8	< 2.8	< 2.8
Potassium	NS	846 B	2,840 B	2,840 B	2,880 B	7,900	2160 B	2,060 B	2,200 B	2,950 B	2,570 B	2,900 B	950 B	917 B	834 B	1,070 B
Selenium	40	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	8.5 B	< 6.2	< 6.2	< 6.2	< 6.2
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	2,840 BJ	4,650 BJ	5,700 B	5,740 B	3,820 BJ	6,220 BJ	6,860 BJ	7,630 BJ	7,110 BJ	8,690 BJ	7,350 B	4,200 BJ	4,290 BJ	4,320 BJ	4,270 BJ
Thallium - Method 6020	2 [10]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.38 B	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Vanadium	NS	< 1.8	3.2 B	< 1.8	< 1.8	63	3 B	< 1.8	< 1.8	< 1.8	< 1.8	2.5 B	< 1.8	< 1.8	< 1.8	< 1.8
Zinc	2,000	< 3.4	11.6 B	< 3.4	< 3.4	167	**10,800**	**3,380**	**2,180**	540	996	**6,280**	119	189 J	256	273

Well		OB-19	OB-20A	OB20B	OB20B DUP	OB-21	RW-5(40-51)	RW-5(65-76)	RW-5(97-118)	RW-06(53-64)	RW-06(70-81)	RW-6(98-119)	RW-07(34-45)	RW-7(49-60)	RW-07(80-101)	RW-7(103-119)
Sample Name	**GWQS[1]**	**OB-19(040907)**	**OB-20A(040307)**	**OB20B(040507)**	**DUP(040507) (OB20B)(040507)**	**OB-21(040907)**	**RW-5(40-51)(041307)**	**RW-5(65-76)(041207)**	**RW-5(97-118)**	**RW-06(53-64) (040207)**	**RW-06(70-81)(040307)**	**RW-6(98-119)(040507)**	**RW-07(34-45)(040307)**	**RW-7(49-60) (040407)**	**RW-07(80-101)(040307)**	**RW-7(103-119) (040407)**
Sample Date		**4/9/2007**	**4/3/2007**	**4/5/2007**	**4/5/2007**	**4/9/2007**	**4/13/2007**	**4/12/2007**	**4/12/2007**	**4/2/2007**	**4/3/2007**	**4/6/2007**	**4/3/2007**	**4/4/2007**	**4/3/2007**	**4/4/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																
Aluminum	200	< 23	< 23	< 23	< 23	< 23	< 23	NA	< 23	42.7 B	< 23	< 23	< 23	< 23	< 23	< 23
Antimony	6	< 5	< 5	< 5	< 5	< 5	< 5	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic - Method 6020	3 [8]	< 1.5	**20.8**	< 1.5	< 1.5	< 1.5	< 0.94	NA	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Barium	2,000	85.2 B	110 B	61.5 B	62.3 B	3 B	14.9 B	NA	21.1 B	220	120 B	416	2.6 B	< 2.3	2.3 B	2.5 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Cadmium	4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Calcium	NS	13,300	41,000	49,800	50,600	9,680	55,900	NA	79,400	66,900	77,700	67,300	11,400	11,100	11,900	14,300
Chromium	70	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.85 B	NA	1.7 B	< 0.8	< 0.8	1.1 B	< 0.8	< 0.8	< 0.8	< 0.8
Cobalt	NS	< 1.8	6.1 B	22.9 B	23.4 B	< 1.8	< 1.8	NA	4.4 B	56.1	31.9 B	9.5 B	< 1.8	< 1.8	< 1.8	< 1.8
Copper	1,300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	NA	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
Iron	300	**18,800**	**58,100**	**30,100**	**30,400**	< 25	< 25	NA	**950**	**42,800**	**15,200**	**36,800**	55.5 B	< 25	< 25	35 B
Lead	5	< 2.8	< 2.8	2.9 B	3.6	< 2.8	< 2.8	NA	4.6	2.9 B	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Magnesium	NS	2,060 B	4,390 B	10,200	10,500	3,730 B	13,400	NA	20,300	15,900	19,900	13,700	4,360 B	4,300 B	4,160 B	4,930 B
Manganese	50	**282 J**	**7,520**	**8,300**	**8,450**	2.3 BJ	**2,920**	NA	**5,330**	**11,700**	**11,300**	**6,460**	8.2 B	3.4 B	4.1 B	2.8 B
Mercury	2	< 0.037	< 0.037	< 0.037	0.048 B	0.094 B	< 0.037	NA	0.051 B	< 0.037	0.042 B	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037
Nickel	100	< 2.8	< 2.8	< 2.8	3.3 B	< 2.8	5.2 B	NA	8 B	9.4 B	6.1 B	9 B	< 2.8	< 2.8	< 2.8	< 2.8
Potassium	NS	837 B	2,600 B	2,830 B	2,900 B	752 B	1,890 B	NA	2,120 B	2,930 B	2,600 B	2,860 B	907 B	893 B	834 B	1,090 B
Selenium	40	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	NA	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	NA	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	2,970 BJ	4,570 BJ	6,210 B	5,890 B	3,780 BJ	6,690 BJ	NA	8,140 BJ	7,170 BJ	8,750 BJ	7,540 B	4,450 BJ	4,200 BJ	4,340 BJ	4,470 BJ
Thallium - Method 6020	2 [10]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.48	NA	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Vanadium	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	NA	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Zinc	2,000	< 3.4	7.6 B	9.2 B	8.9 B	< 3.4	665	NA	1,680	505	704	**5,620**	113	181 J	259	267
Other																
Alkalinity, total (as CaCO3)	250,000	41,800	176,000	223,000	222,000	36,100	232,000	NA	**302,000**	**305,000**	**339,000**	248,000	42,900	42,900	44,100	51,000
Alkalinity, Bicarbonate	250,000	41,800	176,000	223,000	222,000	36,000	230,000	NA	**301,000**	**305,000**	**339,000**	248,000	42,900	42,900	44,000	50,900
Alkalinity, Carbonate	250,000	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000	NA	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000	< 5,000
Nitrogen, Nitrate & Nitrite	10,000	< 100	< 100	130	< 100	< 100	< 100 J	NA	< 100	< 100 J	< 100	< 100	< 100	< 100	< 100	< 100
Phosphorus, Total	NS	130	220	330	390	930	110	NA	< 50	54	< 50	< 50	< 50	< 50	< 50	< 50
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloride	250,000	< 2,000	< 2,000	< 2,000	< 2,000	< 2,000	2,400	NA	2,400	2,500	3,300	6,000	< 2,000	< 2,000	< 2,000	< 2,000
Nitrate	10,000	< 110	< 110	130	< 110	< 110	< 110	NA	< 110	< 110 J	< 110	< 110	< 110	< 110	< 110	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10 J	< 10	< 10 J	< 10	< 10	< 10	< 10
Sulfate	250,000	< 10,000	< 10,000	< 10,000	< 10,000	10,500	< 10,000	NA	< 10,000	< 10,000	< 10,000	< 10,000	11,800	11,800	11,900	14,000

Results are presented in microgram per liter (ug/L).

Well		SC1	Field Blanks										
Sample Name	**GWQS[1]**	**SC1(041107)**	**FB040207**	**FIELDBLANK070402**	**FB-040307**	**FIELDBLANK070403**	**FB(040407)**	**FIELDBLANK070404**	**FIELD BLANK070405**	**FB(040507)**	**FB(040607)**	**FIELDBLANK 070406**	**FB(040907)**
Sample Date		**4/11/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Total													
Aluminum	200	63.5 B	31.9 B	41.1 B	58.5 B	34.2 B	< 23	< 23	< 23	< 23	< 23	< 23	< 23
Antimony	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic - Method 6020	3 [8]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Barium	2,000	291	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Metals - Total (continued)													
Cadmium	4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	2.1 B	< 1.3	< 1.3	< 1.3
Calcium	NS	27,400	< 49	336 B	< 49	< 49	< 49	316 B	164 B	52.6 B	77.8 B	< 49	< 49
Chromium	70	2.8 B	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.1 B	< 0.8	< 0.8	< 0.8	< 0.8
Cobalt	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Copper	1,300	< 2.7	< 2.7	16.1 B	< 2.7	< 2.7	< 2.7	9.1 B	< 2.7	< 2.7	< 2.7	3.2 B	2.9 B
Iron	300	**39,800**	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Lead	5	**6.3**	< 2.8	**8.3**	< 2.8	**7.9**	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Magnesium	NS	2,850 B	< 14	33 B	< 14	< 14	< 14	23.4 B	16 B	24.2 B	< 14	< 14	< 14
Manganese	50	**411**	2.9 B	3.4 B	< 0.6	< 0.6	< 0.6	< 0.6	0.98 B	< 0.6	< 0.6	0.89 B	< 0.6 J
Mercury	2	< 0.037	0.04 B	0.044 B	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	0.039 B	0.098 B	0.084 B	0.074 B
Nickel	100	6.4 B	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	8.8 B	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Potassium	NS	2,220 B	< 55	< 55	< 55	< 55	< 55	55.5 B	< 55	< 55	< 55	< 55	< 55
Selenium	40	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	3,750 B	< 830	1,170 B	939 BJ	< 830 J	< 830 J	< 830 J	1,600 BJ	1,050 B	1,460 BJ	< 830	< 830
Thallium - Method 6020	2 [10]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Vanadium	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Zinc	2,000	110	< 3.4	22.4	4 B	12.1 B	3.6 B	24.3	5.4 B	4 B	6.8 B	4.6 B	5.2 B

Well		SC1	Field Blanks										
Sample Name	**GWQS[1]**	**SC1(041107)**	**FB040207**	**FIELDBLANK070402**	**FB-040307**	**FIELDBLANK070403**	**FB(040407)**	**FIELDBLANK070404**	**FIELD BLANK070405**	**FB(040507)**	**FB(040607)**	**FIELDBLANK 070406**	**FB(040907)**
Sample Date		**4/11/2007**	**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved													
Aluminum	200	25.4 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	283	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	27,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	1.7 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	< 2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**38,400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	2,800 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	**410**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.037	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	5.9 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	2,160 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	3,710 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	< 0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	< 3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other													
Alkalinity, total (as CaCO3)	250,000	89,900	NA	NA	< 5,000	< 5,000	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	250,000	89,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	< 5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloride	250,000	< 2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	< 10	NA	NA	NA	NA	< 10	< 10	NA	NA	NA	NA	NA
Sulfate	250,000	< 10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results are presented in microgram per liter (ug/L)

Well		Field Blanks (continued)									
Sample Name	**GWQS[1]**	**FIELDBLANK070409**	**FIELDBLANK070410**	**FB(041007)**	**FB(041107)**	**FB(041207)**	**FIELD BLANK 070412**	**FIELD BLANK 070413**	**FIELDBLANK070416**	**FIELDBLANK070417**	**FIELDBLANK 070418**
Sample Date		**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/17/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Total											
Aluminum	200	< 23	< 23	< 23	< 23	< 23	< 23	< 23	< 23	< 23	< 23
Antimony	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic - Method 6020	3 [8]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	0.96 B	< 1.5
Barium	2,000	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.52 B	< 0.4
Metals - Total (continued)											
Cadmium	4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Calcium	NS	88.7 B	145 B	< 49	< 49	49.2 B	< 49	< 49	< 49	< 49	< 49
Chromium	70	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Cobalt	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Copper	1,300	< 2.7	4.4 B	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	6.6 B	< 2.7	< 2.7
Iron	300	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Lead	5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	**5.1**	< 2.8	< 2.8
Magnesium	NS	< 14	16.2 B	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14
Manganese	50	< 0.6	0.65 B	< 0.6	< 0.6	2 B	< 0.6	2.1 B	< 0.6	< 0.6	< 0.6
Mercury	2	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	0.12 B	< 0.037	< 0.037	< 0.037
Nickel	100	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
Potassium	NS	< 55	< 55	< 55	< 55	< 55	< 55	< 55	< 55	< 55	< 55
Selenium	40	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
Silver	40	< 1	< 1	< 1	< 1	< 1	1 B	< 1	< 1	< 1	< 1
Sodium	50,000	833 BJ	947 B	< 830 J	1,070 B	1,060 B	< 830 J	< 830 J	1,100 B	< 830 J	1,110 B
Thallium - Method 6020	2 [10]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Vanadium	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Zinc	2,000	3.7 B	4.8 B	< 3.4	7.6 B	< 3.4	4.9 B	9.1 B	10.2 B	11.2 B	16.1 B

Well		Field Blanks (continued)									
Sample Name	**GWQS[1]**	**FIELDBLANK070409**	**FIELDBLANK070410**	**FB(041007)**	**FB(041107)**	**FB(041207)**	**FIELD BLANK 070412**	**FIELD BLANK 070413**	**FIELDBLANK070416**	**FIELDBLANK070417**	**FIELDBLANK 070418**
Sample Date		**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/17/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved											
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other											
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	< 110	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	< 10	< 10	< 10	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results are presented in microgram per liter (ug/L)

Well		Trip Blanks										
Sample Name	**GWQS[1]**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**	**TRIPBLANK(040407)**	**TRIPBLANK070404**	**TRIPBLANK(040507)**	**TRIP BLANK070405**	**TRIPBLANK(040607)**	**TRIPBLANK 070406**	**TRIPBLANK(040907)**
Sample Date		**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Total												
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total (continued)												
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks										
Sample Name	**GWQS[1]**	**TB040207**	**TRIP BLANK (J57575)**	**TB-070402**	**TRIPBLANK070403**	**TRIPBLANK(040407)**	**TRIPBLANK070404**	**TRIPBLANK(040507)**	**TRIP BLANK070405**	**TRIPBLANK(040607)**	**TRIPBLANK 070406**	**TRIPBLANK(040907)**
Sample Date		**4/2/2007**	**4/2/2007**	**4/3/2007**	**4/3/2007**	**4/4/2007**	**4/4/2007**	**4/5/2007**	**4/5/2007**	**4/6/2007**	**4/6/2007**	**4/9/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved												
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results are presented in microgram per liter (ug/L)

Well		Trip Blanks (continued)								
Sample Name	**GWQS[1]**	**TRIPBLANK070409**	**TRIPBLANK070410**	**TRIPBLANK(041007)**	**TRIPBLANK(041107)**	**TRIPBLANK(041207)**	**TRIP BLANK 070412**	**TRIP BLANK 070413**	**TRIPBLANK070416**	**TRIPBLANK 070418**
Sample Date		**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Total										
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total (continued)										
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well		Trip Blanks (continued)								
Sample Name	**GWQS[1]**	**TRIPBLANK070409**	**TRIPBLANK070410**	**TRIPBLANK(041007)**	**TRIPBLANK(041107)**	**TRIPBLANK(041207)**	**TRIP BLANK 070412**	**TRIP BLANK 070413**	**TRIPBLANK070416**	**TRIPBLANK 070418**
Sample Date		**4/9/2007**	**4/10/2007**	**4/10/2007**	**4/11/2007**	**4/12/2007**	**4/12/2007**	**4/13/2007**	**4/16/2007**	**4/18/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved										
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic - Method 6020	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium - Method 6020	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other										
Alkalinity, total (as CaCO3)	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate & Nitrite	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Results are presented in microgram per liter (ug/L)

Results are presented in microgram per liter (ug/L).

Note: Due to low volume yields not enough sample was available for analysis of dissolved metals and other parameters in sample RW-5(65-76).

< Not detected.

* Detection limit is above the 2005 GWQS standard.

** Detection limit also above the 2004 GWQS standard.

Bold Value is above the Ground Water Quality Standard

[1] Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria select 2004 criteria are presented in [ ].

B Organic: analyte was detected in one or more of the associated blanks.

B Inorganic: estimated result is between the detection limit and quantification limit.

J Estimated result.

NA Not analyzed.

NS No standard.

R Rejected result.

PCBs Polychlorinated biphenyls.

SVOC Semi-volatile organic compound.

VOC Volatile organic compound.

Table 8: Summary of Groundwater Analytical Results, October 2007, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location		Groundwater Samples												
Sample Name		**OB-1**	**OB-2**	**OB-3**	**OB-4**	**OB-5**	**OB-6**	**OB-7**	**OB-10**	**OB-12**	**OB-13**	**OB-14A**	**OB-14A DUP**	**OB-14B**
Sample Date	**GWQS[1]**	**10/9/2007**	**10/8/2007**	**10/8/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/12/2007**	**10/8/2007**	**10/8/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs														
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	< 0.2	5.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.62 J	0.56 J	0.33 J
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28 J	< 0.28 J	< 0.28 J
Toluene	1000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0

Location		Groundwater Samples												
Sample Name		**OB-1**	**OB-2**	**OB-3**	**OB-4**	**OB-5**	**OB-6**	**OB-7**	**OB-10**	**OB-12**	**OB-13**	**OB-14A**	**OB-14A DUP**	**OB-14B**
Sample Date	**GWQS[1]**	**10/9/2007**	**10/8/2007**	**10/8/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/12/2007**	**10/8/2007**	**10/8/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs														
1,1'-Biphenyl	400	< 0.34	< 0.36	< 0.35	< 0.38 J	< 0.33	< 0.33	< 0.34	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	< 0.39
2,4,5-Trichlorophenol	700	< 2	< 2.1	< 2.1	< 2.3 J	< 1.9	< 1.9	< 2	< 1.9	< 2.1	< 1.9	< 1.9	< 1.9	< 2.3
2,4,6-Trichlorophenol	20	< 1.3	< 1.4	< 1.4	< 1.5 J	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.5
2,4-Dichlorophenol	20	< 1.6	< 1.7	< 1.7	< 1.8 J	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.6	< 1.6	< 1.6	< 1.9
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.8	< 1.9 J	< 1.6	< 1.6	< 1.7	< 1.6	< 1.8	< 1.6	< 1.6	< 1.6	< 2
2,4-Dinitrophenol	40	< 0.94	< 0.99	< 0.96	< 1 J	< 0.89	< 0.89	< 0.93	< 0.89	< 0.99	< 0.89	< 0.89	< 0.89	< 1.1
2,4-Dinitrotoluene	NS	< 0.91	< 0.96	< 0.92	< 1 J	< 0.86	< 0.86	< 0.9	< 0.86	< 0.96	< 0.86	< 0.86	< 0.86	< 1
2,6-Dinitrotoluene	NS	< 0.59	< 0.62	< 0.6	< 0.66 J	< 0.56	< 0.56	< 0.58	< 0.56	< 0.62	< 0.56	< 0.56	< 0.56	< 0.67
2-Chloronaphthalene	600	< 1	< 1.1	< 1.1	< 1.2 J	< 0.98	< 0.98	< 1	< 0.98	< 1.1	< 0.98	< 0.98	< 0.98	< 1.2
2-Chlorophenol	40	< 1	< 1.1	< 1	< 1.1 J	< 0.95	< 0.95	< 0.99	< 0.95	< 1.1	< 0.95	< 0.95	< 0.95	< 1.1
2-Methylnaphthalene	NS	< 0.43	< 0.45	< 0.44	< 0.48 J	< 0.41	< 0.41	< 0.43	< 0.41	< 0.45	< 0.41	< 0.41	< 0.41	< 0.49
2-Methylphenol	NS	< 1.4	< 1.5	< 1.5	< 1.6 J	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.6
2-Nitroaniline	NS	< 0.7	< 0.74	< 0.71	< 0.78 J	< 0.66	< 0.66	< 0.69	< 0.66	< 0.74	< 0.66	< 0.66	< 0.66	< 0.79
2-Nitrophenol	NS	< 1.9	< 2	< 1.9	< 2.1 J	< 1.8	< 1.8	< 1.9	< 1.8	< 2	< 1.8	< 1.8	< 1.8	< 2.2
3&4-Methylphenol	NS	< 1.3	< 1.4	< 1.4	< 1.5 J	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.5
3,3'-Dichlorobenzidine	30	< 1.3	< 1.4	< 1.3	< 1.4 J	< 1.2	< 1.2	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.5
3-Nitroaniline	NS	< 1.3	< 1.4	< 1.4	< 1.5 J	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.5
4,6-Dinitro-2-methylphenol	NS	< 0.76	< 0.8	< 0.78	< 0.85 J	< 0.72	< 0.72	< 0.75	< 0.72	< 0.8	< 0.72	< 0.72	< 0.72	< 0.86
4-Bromophenyl phenyl ether	NS	< 0.31	< 0.33	< 0.32	< 0.35 J	< 0.3	< 0.3	< 0.31	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	< 0.36
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.3	< 1.3	< 1.4 J	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.4
4-Chloroaniline	30	< 0.42	< 0.44	< 0.43	< 0.47 J	< 0.4	< 0.4	< 0.41	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	< 0.47
4-Chlorophenyl phenyl ether	NS	< 0.45	< 0.48	< 0.46	< 0.51 J	< 0.43	< 0.43	< 0.45	< 0.43	< 0.48	< 0.43	< 0.43	< 0.43	< 0.51
4-Nitroaniline	NS	< 0.76	< 0.8	< 0.78	< 0.85 J	< 0.72	< 0.72	< 0.75	< 0.72	< 0.8	< 0.72	< 0.72	< 0.72	< 0.86
4-Nitrophenol	NS	< 0.89	< 0.94	< 0.91	< 0.99 J	< 0.84	< 0.84	< 0.88	< 0.84	< 0.94	< 0.84	< 0.84	< 0.84	< 1
Acetophenone	700	< 0.39	< 0.42	< 0.4	< 0.44 J	< 0.37	< 0.37	< 0.39	< 0.37	< 0.42	< 0.37	< 0.37	< 0.37	< 0.45
Atrazine	3	< 0.17	< 0.18	< 0.18	< 0.19 J	< 0.16	< 0.16	< 0.17	< 0.16	< 0.18	< 0.16	< 0.16	< 0.16	< 0.19
Benzaldehyde	NS	< 0.28 R	< 0.29	< 0.28	< 0.31 JR	< 0.27 R	< 0.27 R	< 0.28 R	< 0.27	< 0.29	< 0.27	< 0.27	< 0.27	< 0.32
Benzyl butyl phthalate	100	< 0.62	< 0.66	< 0.64	< 0.7 J	< 0.59	< 0.59	< 0.62	< 0.59	< 0.66	< 0.59	< 0.59	< 0.59	< 0.71
bis(2-Chloroethoxy)methane	NS	< 0.69	< 0.73	< 0.7	< 0.77 J	< 0.65	< 0.65	< 0.68	< 0.65	< 0.73	< 0.65	< 0.65	< 0.65	< 0.78
bis(2-Chloroethyl)ether	7	< 0.56	< 0.59	< 0.57	< 0.62 J	< 0.53	< 0.53	< 0.55	< 0.53	< 0.59	< 0.53	< 0.53	< 0.53	< 0.63
bis(2-Chloroisopropyl)ether	300	< 0.78	< 0.82	< 0.79	< 0.87 J	< 0.74	< 0.74	< 0.77	< 0.74	< 0.82	< 0.74	< 0.74	< 0.74	< 0.88
bis(2-Ethylhexyl)phthalate	3	**4.3**	< 0.73	< 0.71	< 0.78 J	< 0.66	< 0.66	< 0.69	< 0.66	< 0.73	< 0.66	1.4 J	< 0.66	< 0.79
Caprolactam	NS	< 0.33	< 0.35	< 0.34	< 0.37 J	< 0.32	< 0.32	< 0.33	< 0.32	< 0.35	< 0.32	< 0.32	< 0.32	< 0.38
Carbazole	NS	< 0.38	< 0.4	< 0.39	< 0.43 J	< 0.36	< 0.36	< 0.38	< 0.36	< 0.4	< 0.36	0.78 J	< 0.36	< 0.43
Dibenzofuran	NS	< 0.36	< 0.38	< 0.37	< 0.4 J	< 0.34	< 0.34	< 0.36	< 0.34	< 0.38	< 0.34	< 0.34	< 0.34	< 0.41
Diethyl phthalate	6000	< 0.41	< 0.43	< 0.42	< 0.46 J	< 0.39	< 0.39	< 0.41	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	< 0.46
Dimethyl phthalate	NS	< 0.35	< 0.36	< 0.35	< 0.39 J	< 0.33	< 0.33	< 0.34	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	< 0.39
di-n-butyl phthalate	700	< 0.62	< 0.66	< 0.64	< 0.7 J	< 0.59	< 0.59	< 0.62	< 0.59	< 0.66	< 0.59	< 0.59	< 0.59	< 0.7
di-n-octylphthalate	100	< 0.6	< 0.63	< 0.61	< 0.67 J	< 0.57	< 0.57	< 0.59	< 0.57	< 0.63	< 0.57	< 0.57	< 0.57	< 0.68
Hexachlorobutadiene	1	< 0.18 R	< 0.19	< 0.19	< 0.21 JR	< 0.18 R	< 0.18 R	< 0.18 R	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.21
Hexachlorocyclopentadiene	40	< 0.43	< 0.45	< 0.44	< 0.48 J	< 0.41	< 0.41	< 0.42	< 0.41	< 0.45	< 0.41	< 0.41	< 0.41	< 0.48
Hexachloroethane	7	< 0.3	< 0.31	< 0.3	< 0.33 J	< 0.28	< 0.28	< 0.29	< 0.28	< 0.31	< 0.28	< 0.28	< 0.28	< 0.34
Isophrone	40	< 0.62	< 0.65	< 0.63	< 0.69 J	< 0.59	< 0.59	< 0.61	< 0.59	< 0.65	< 0.59	< 0.59	< 0.59	< 0.7
Nitrobenzene	6	< 0.44	< 0.47	< 0.45	< 0.49 J	< 0.42	< 0.42	< 0.44	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42	< 0.5
N-Nitroso-di-n-Propylamine	10	< 0.49	< 0.52	< 0.5	< 0.55 J	< 0.47	< 0.47	< 0.49	< 0.47	< 0.52	< 0.47	< 0.47	< 0.47	< 0.56
N-Nitrosodiphenylamine	10	< 0.54	< 0.57	< 0.55	< 0.61 J	< 0.52	< 0.52	< 0.54	< 0.52	< 0.57	< 0.52	< 0.52	< 0.52	< 0.61
Phenol	2000	< 0.52	< 0.55	< 0.53	< 0.58 J	< 0.5	< 0.5	< 0.52	1.4 J	< 0.55	< 0.5	< 0.5	< 0.5	< 0.59
Total TIC, Semi-Volatile	NS	0	0	0	0 J	11.6 J	0	0	0	6.9 J	0	138.2 J	136.3 J	5.5 J

Location		Groundwater Samples												
Sample Name		**OB-1**	**OB-2**	**OB-3**	**OB-4**	**OB-5**	**OB-6**	**OB-7**	**OB-10**	**OB-12**	**OB-13**	**OB-14A**	**OB-14A DUP**	**OB-14B**
Sample Date	**GWQS[1]**	**10/9/2007**	**10/8/2007**	**10/8/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/12/2007**	**10/8/2007**	**10/8/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM														
Acenaphthene	400	< 0.018	< 0.019	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.02
Acenaphthylene	NS	< 0.01	< 0.011	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.0099	< 0.0095	< 0.011	< 0.0095	< 0.0095	< 0.0095	< 0.011
Anthracene	2000	< 0.022	< 0.023	< 0.022	< 0.022	< 0.021	< 0.021	< 0.022	< 0.021	< 0.023	< 0.021	< 0.021	< 0.021	< 0.025
Benzo(a)anthracene	0.1 [0.2]	< 0.0072	< 0.0076	< 0.0073	< 0.0072	< 0.0068	< 0.0068	< 0.0071	< 0.0068	< 0.0076	< 0.0068	< 0.0068	< 0.0068	< 0.0081
Benzo(a)pyrene	0.1 [0.2]	< 0.018	< 0.019	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.02
Benzo(b)fluoranthene	0.2 [10]	< 0.038	< 0.04	< 0.039	< 0.038	< 0.036	< 0.036	< 0.038	< 0.036	< 0.04	< 0.036	< 0.036	< 0.036	< 0.043
Benzo(g,h,i)perylene	NS	< 0.019	< 0.02	< 0.019	< 0.019	< 0.018	< 0.018	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.018	< 0.021
Benzo(k)fluoranthene	0.5	< 0.017	< 0.017	< 0.017	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	< 0.019
Chyrsene	5	< 0.018	< 0.019	< 0.018	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.02
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.017	< 0.018	< 0.018	< 0.017	< 0.016	< 0.016	< 0.017	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.02
Fluoranthene	300	< 0.0095	< 0.01	< 0.0097	< 0.0095	< 0.009	< 0.009	< 0.0094	< 0.009	< 0.01	< 0.009	< 0.009	< 0.009	< 0.011
Fluorene	300	< 0.021	< 0.022	< 0.022	< 0.021	< 0.02	< 0.02	< 0.021	< 0.02	< 0.022	< 0.02	< 0.02	< 0.02	< 0.024
Hexachlorobenzene	0.02 [10]	< 0.021*	< 0.022*	< 0.022*	< 0.021*	< 0.02	< 0.02	< 0.021*	< 0.02	< 0.022*	< 0.02	< 0.02	< 0.02	< 0.024*
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012	< 0.012	< 0.012	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.013
Naphthalene	300	< 0.027	< 0.029	< 0.028	< 0.027	< 0.026	< 0.026	< 0.027	< 0.026	< 0.029	< 0.026	< 0.026	< 0.026	< 0.031
Pentachlorophenol	0.3 [1]	< 0.32* R	< 0.33* R	< 0.32* R	< 0.32* R	< 0.3 R	< 0.3 R	< 0.31* R	< 0.3	< 0.33* R	< 0.3 R	< 0.3 R	< 0.3 R	< 0.36* R
Phenanthrene	NS	< 0.022	< 0.023	< 0.023	< 0.022	< 0.021	< 0.021	< 0.022	< 0.021	< 0.023	< 0.021	< 0.021	< 0.021	< 0.025
Pyrene	200	< 0.015	< 0.016	< 0.015	< 0.015	< 0.014	< 0.014	< 0.015	< 0.014	< 0.016	< 0.014	< 0.014	< 0.014	< 0.017
PCBs														
PCB 1016	0.5	< 0.094	< 0.1	< 0.1	< 0.1	< 0.1	< 0.094	< 0.1	< 0.094	< 0.1	< 0.099	< 0.099	< 0.094	< 0.11
PCB 1221	0.5	< 0.47	< 0.51	< 0.5	< 0.52	< 0.51	< 0.47	< 0.52	< 0.47	< 0.52	< 0.49	< 0.49	< 0.47	< 0.53
PCB 1232	0.5	< 0.39	< 0.42	< 0.41	< 0.43	< 0.42	< 0.39	< 0.43	< 0.39	< 0.43	< 0.41	< 0.41	< 0.39	< 0.44
PCB 1242	0.5	< 0.16	< 0.18	< 0.17	< 0.18	< 0.18	< 0.16	< 0.18	< 0.16	< 0.18	< 0.17	< 0.17	< 0.16	< 0.18
PCB 1248	0.5	< 0.15	< 0.16	< 0.16	< 0.17	< 0.16	< 0.15	< 0.17	< 0.15	< 0.17	< 0.16	< 0.16	< 0.15	< 0.17
PCB 1254	0.5	< 0.11	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12
PCB 1260	0.5	< 0.12	< 0.13	< 0.12	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total														
Aluminum	200	55.6 B	56.1 B	< 26	< 26	< 26	< 26	< 26	< 26	28.7 B	< 26	< 26	< 26	35.3 B
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 5.7	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	**23.1**	**21.6**	2.8 B
Barium	2000	6.1 B	6.8 B	5.2 B	44.1 B	21 B	27.8 B	18.8 B	10.4 B	4.8 B	11.6 B	482	474	38.3 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	13300	17400	18600	41400	87400	39800	80000	18900	9460	21100	141000	137000	94300
Chromium	70	< 0.53	< 0.53	< 0.53	< 0.53	0.7 B	< 0.53	0.6 B	< 0.53	< 0.53	< 0.53	0.6 B	< 0.53	0.8 B
Cobalt	NS	0.7 B	0.9 B	0.9 B	3.4 B	12.1 B	6.5 B	5.4 B	1 B	0.6 B	1.1 B	5.9 B	5.9 B	2.5 B
Copper	1,300	4.3 B	< 3.3	< 3.3	< 3.3	3.7 B	< 3.3	8 B	< 3.3	8.4 B	< 3.3	< 3.3	< 3.3	< 3.3
Iron	300	201	200 J	**1860 J**	**5700**	**20900**	**2090**	**1440**	**598**	19.5 BJ	10.3 BJ	**61400**	**59600**	**642**
Lead	5	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	1.4 B	1 B	1.1 B
Magnesium	NS	3190 BJ	5820	5230	11900 J	45200 J	9440 J	31400 J	5260	3690 B	7490	16300	15900	29000
Manganese	50	2.4 B	8.7 BJ	9 BJ	**1820**	**1500**	**3000**	**2880**	**214**	1.6 BJ	1.4 BJ	**2770**	**2640**	**1500**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 0.73	< 0.73	< 0.73	1.3 B	5.3 B	1.5 B	2.9 B	1 B	< 0.73	< 0.73	2.8 B	2.8 B	2.3 B
Potassium	NS	688 B	1260 B	967 B	2290 B	3270 B	2540 B	3060 B	1400 B	517 B	1210 B	8630 B	8230 B	2700 B
Selenium	40	< 0.73	0.9 B	1.2 B	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	2 B	< 0.73	< 0.73	< 0.73	< 0.73
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	2910 BJ	3910 B	3340 B	**54700 J**	23900 J	37500 J	11300 J	4340 B	2830 B	3500 B	24800	24000	19500
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Vanadium	NS	0.8 B	< 0.49	0.6 B	0.5 B	< 0.49	< 0.49	0.5 B	< 0.49	< 0.49	0.6 B	0.9 B	1.2 B	< 0.49
Zinc	2000	< 2.7	< 2.7	< 2.7	< 2.7	60.5	< 2.7	< 2.7	< 2.7 J	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7

Location		Groundwater Samples												
Sample Name		**OB-1**	**OB-2**	**OB-3**	**OB-4**	**OB-5**	**OB-6**	**OB-7**	**OB-10**	**OB-12**	**OB-13**	**OB-14A**	**OB-14A DUP**	**OB-14B**
Sample Date	**GWQS[1]**	**10/9/2007**	**10/8/2007**	**10/8/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/9/2007**	**10/12/2007**	**10/8/2007**	**10/8/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved														
Aluminum	200	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 5.7	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	**5.6**	**5**	1.6 B
Barium	2000	5.2 B	8.8 B	6.3 B	44 B	16.5 B	26.6 B	14.4 B	8.6 B	6.3 B	8.3 B	368	331	37.6 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	13200	17600	18500	43500	92700	39300	65800	18000	9220	20300	136000	141000	92700
Chromium	70	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	0.9 B	< 0.53	0.8 B
Cobalt	NS	0.6 B	1.1 B	0.9 B	2.3 B	5 B	6.3 B	4.4 B	1 B	0.7 B	0.9 B	5.1 B	4.6 B	2.3 B
Copper	1,300	3.8 B	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	7.7 B	< 3.3	< 3.3	< 3.3	< 3.3
Iron	300	< 6.3	14.9 BJ	47.7 BJ	**675**	**5100**	219	30.5 BJ	< 6.3	20.5 BJ	< 6.3 J	**39900**	**32400**	26.5 J
Lead	5	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	1.2 B	< 0.94
Magnesium	NS	3270 BJ	5940	5220	12700 J	49100 J	9370 J	25800 J	5010	3590 B	7200	16000	16700	28500
Manganese	50	< 0.17	3.3 BJ	6.5 BJ	**1870**	**1530**	**2830**	**2350**	**161**	1.8 BJ	1.3 BJ	**2710**	**2860**	**1430**
Mercury	2	< 0.15	< 0.15	< 0.15	0.2 B	< 0.15	< 0.15	< 0.15	< 0.15	0.16 B	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 0.73	< 0.73	< 0.73	0.8 B	2.6 B	1.3 B	2.4 B	< 0.73	< 0.73	< 0.73	2.2 B	1.6 B	1.5 B
Potassium	NS	706 B	1300 B	947 B	2430 B	3640 B	2580 B	2560 B	1350 B	465 B	1170 B	8280 B	8560 B	2660 B
Selenium	40	< 0.73	1.3 B	0.8 B	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	2780 BJ	3920 B	3340 B	**56200 J**	24800 J	36700 J	9340 BJ	4150 B	2610 B	3440 B	24100	25500	19200
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	1.9 B	< 1.4	< 1.4
Vanadium	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Zinc	2000	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7 J	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
Other														
Alkalinity, total (as CaCO3)	NS	29700	53500	52500	104000	401000	99100	347000	67800	24400	64100	520000	478000	311000
Nitrogen, Nitrate + Nitrite	NS	< 100	2400	1200	< 100	230	< 100	< 100	< 100	< 100	490	< 100	< 100	< 100
Phosphorus, Total	NS	< 50	< 50	< 50	120	61	< 50	< 50	< 50	< 50	< 50	98 J	260 J	< 50
Chloride	250000	6000	< 2000	< 2000	121000	61700	88300	7500	3900	< 2000	2100	25300	25100	38700
Nitrate	10000	< 110	2400	1200	< 110	230	< 110	< 110	< 110	< 110	490	< 110	< 110	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250000	11200	17000	19100	19100	< 10000	14500	< 10000	< 10000	18400	22600	< 10000	< 10000	22000
Alkalinity, Bicarbonate	NS	29700	53500	52500	104000	401000	99100	346000	67800	24400	64100	520000	478000	310000
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Location		Groundwater Samples												
Sample Name		**OB-15B**	**OB-16**	**OB-17**	**OB-18**	**OB-19**	**OB-19 DUP**	**OB-20A**	**OB-20B**	**OB-21**	**OB-24**	**OB-25**	**RW1(10-31)**	**RW1(58-79)**
Sample Date	**GWQS[1]**	**10/16/2007**	**10/10/2007**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/12/2007**	**10/12/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs														
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	< 0.2	< 0.2	1.1	< 0.2	< 0.2	< 0.2	< 0.2	0.42 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	0.36 J	**1.5**	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	1	< 0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	2.8	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	0.8 J	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.97 J	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28 J	< 0.28	< 0.28 J	< 0.28 J	< 0.28	< 0.28
Toluene	1000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	3.9	0.88 J
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0

Location		Groundwater Samples												
Sample Name		**OB-15B**	**OB-16**	**OB-17**	**OB-18**	**OB-19**	**OB-19 DUP**	**OB-20A**	**OB-20B**	**OB-21**	**OB-24**	**OB-25**	**RW1(10-31)**	**RW1(58-79)**
Sample Date	**GWQS[1]**	**10/16/2007**	**10/10/2007**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/12/2007**	**10/12/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs														
1,1'-Biphenyl	400	< 0.22	< 0.33	< 0.36	< 0.37	< 0.33	< 0.23	< 0.33	< 0.36	< 0.36	< 0.33	< 0.36	< 0.36	< 0.33
2,4,5-Trichlorophenol	700	< 1.1	< 1.9	< 2.1	< 2.2	< 1.9	< 1.1	< 1.9	< 2.1	< 2.1	< 1.9	< 2.1	< 2.1	< 1.9
2,4,6-Trichlorophenol	20	< 1	< 1.3	< 1.4	< 1.4	< 1.3	< 1	< 1.3	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.3
2,4-Dichlorophenol	20	< 1.4	< 1.6	< 1.7	< 1.8	< 1.6	< 1.4	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.6
2,4-Dimethylphenol	100	< 1.7	< 1.6	< 1.8	< 1.8	< 1.6	< 1.7	< 1.6	< 1.8	< 1.8	< 1.6	< 1.8	< 1.8	< 1.6
2,4-Dinitrophenol	40	< 1.1	< 0.89	< 0.99	< 1	< 0.89	< 1.1	< 0.89	< 0.99	< 0.99	< 0.89	< 0.99	< 0.97	< 0.89
2,4-Dinitrotoluene	NS	< 0.54	< 0.86	< 0.96	< 0.97	< 0.86	< 0.56	< 0.86	< 0.96	< 0.96	< 0.86	< 0.96	< 0.93	< 0.86
2,6-Dinitrotoluene	NS	< 0.5	< 0.56	< 0.62	< 0.63	< 0.56	< 0.51	< 0.56	< 0.62	< 0.62	< 0.56	< 0.62	< 0.61	< 0.56
2-Chloronaphthalene	600	< 0.2	< 0.98	< 1.1	< 1.1	< 0.98	< 0.2	< 0.98	< 1.1	< 1.1	< 0.98	< 1.1	< 1.1	< 0.98
2-Chlorophenol	40	< 0.87	< 0.95	< 1.1	< 1.1	< 0.95	< 0.89	< 0.95	< 1.1	< 1.1	< 0.95	< 1.1	< 1	< 0.95
2-Methylnaphthalene	NS	< 0.76	< 0.41	< 0.45	< 0.46	< 0.41	< 0.78	< 0.41	< 0.45	< 0.45	< 0.41	< 0.45	< 0.44	< 0.41
2-Methylphenol	NS	< 1	< 1.4	< 1.5	< 1.5	< 1.4	< 1.1	< 1.4	< 1.5	< 1.5	< 1.4	< 1.5	< 1.5	< 1.4
2-Nitroaniline	NS	< 0.5	< 0.66	< 0.74	< 0.74	< 0.66	< 0.51	< 0.66	< 0.74	< 0.74	< 0.66	< 0.74	< 0.72	< 0.66
2-Nitrophenol	NS	< 1.5	< 1.8	< 2	< 2	< 1.8	< 1.5	< 1.8	< 2	< 2	< 1.8	< 2	< 2	< 1.8
3&4-Methylphenol	NS	< 1.1	< 1.3	< 1.4	< 1.4	< 1.3	< 1.1	< 1.3	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.3
3,3'-Dichlorobenzidine	30	< 0.97	< 1.2	< 1.4	< 1.4	< 1.2	< 0.99	< 1.2	< 1.4	< 1.4	< 1.2	< 1.4	< 1.3	< 1.2
3-Nitroaniline	NS	< 0.32	< 1.3	< 1.4	< 1.4	< 1.3	< 0.33	< 1.3	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.3
4,6-Dinitro-2-methylphenol	NS	< 2.2	< 0.72	< 0.8	< 0.81	< 0.72	< 2.3	< 0.72	< 0.8	< 0.8	< 0.72	< 0.8	< 0.78	< 0.72
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.3	< 0.33	< 0.34	< 0.3	< 0.38	< 0.3	< 0.33	< 0.33	< 0.3	< 0.33	< 0.33	< 0.3
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.2
4-Chloroaniline	30	< 0.35	< 0.4	< 0.44	< 0.45	< 0.4	< 0.36	< 0.4	< 0.44	< 0.44	< 0.4	< 0.44	< 0.43	< 0.4
4-Chlorophenyl phenyl ether	NS	< 0.29	< 0.43	< 0.48	< 0.48	< 0.43	< 0.3	< 0.43	< 0.48	< 0.48	< 0.43	< 0.48	< 0.47	< 0.43
4-Nitroaniline	NS	< 0.59	< 0.72	< 0.8	< 0.81	< 0.72	< 0.6	< 0.72	< 0.8	< 0.8	< 0.72	< 0.8	< 0.78	< 0.72
4-Nitrophenol	NS	< 1.6	< 0.84	< 0.94	< 0.95	< 0.84	< 1.6	< 0.84	< 0.94	< 0.94	< 0.84	< 0.94	< 0.92	< 0.84
Acetophenone	700	< 0.36	< 0.37	< 0.42	< 0.42	< 0.37	< 0.37	< 0.37	< 0.42	< 0.42	< 0.37	< 0.42	< 0.41	< 0.37
Atrazine	3	< 0.28	< 0.16	< 0.18	< 0.18	< 0.16	< 0.29	< 0.16	< 0.18	< 0.18	< 0.16	< 0.18	< 0.18	< 0.16
Benzaldehyde	NS	< 0.76	< 0.27 R	< 0.29 R	< 0.3 R	< 0.27	< 0.78	< 0.27	< 0.29	< 0.29	< 0.27	< 0.29	< 0.29 R	< 0.27 R
Benzyl butyl phthalate	100	< 0.64	< 0.59	< 0.66	< 0.67	< 0.59	< 0.65	< 0.59	< 0.66	< 0.66	< 0.59	< 0.66	< 0.64	< 0.59
bis(2-Chloroethoxy)methane	NS	< 0.32	< 0.65	< 0.73	< 0.73	< 0.65	< 0.32	< 0.65	< 0.73	< 0.73	< 0.65	< 0.73	< 0.71	< 0.65
bis(2-Chloroethyl)ether	7	< 0.67	< 0.53	< 0.59	< 0.6	< 0.53	< 0.69	< 0.53	< 0.59	< 0.59	< 0.53	< 0.59	< 0.58	< 0.53
bis(2-Chloroisopropyl)ether	300	< 0.58	< 0.74	< 0.82	< 0.83	< 0.74	< 0.59	< 0.74	< 0.82	< 0.82	< 0.74	< 0.82	< 0.8	< 0.74
bis(2-Ethylhexyl)phthalate	3	< 0.88	< 0.66	< 0.73	< 0.74	< 0.66	< 0.9	1.1 J	< 0.73	< 0.73	< 0.66	< 0.73	**3.4**	< 0.66
Caprolactam	NS	< 0.49	< 0.32	< 0.35	< 0.35	< 0.32	< 0.5	< 0.32	< 0.35	< 0.35	< 0.32	< 0.35	< 0.34	< 0.32
Carbazole	NS	< 0.4	< 0.36	< 0.4	< 0.41	< 0.36	< 0.41	< 0.36	< 0.4	< 0.4	< 0.36	< 0.4	< 0.4	< 0.36
Dibenzofuran	NS	< 0.23	< 0.34	< 0.38	< 0.39	< 0.34	< 0.23	< 0.34	< 0.38	< 0.38	< 0.34	< 0.38	< 0.37	< 0.34
Diethyl phthalate	6000	< 0.34	< 0.39	< 0.43	< 0.44	< 0.39	< 0.35	< 0.39	< 0.43	< 0.43	< 0.39	< 0.43	< 0.42	< 0.39
Dimethyl phthalate	NS	< 0.34	< 0.33	< 0.36	< 0.37	< 0.33	< 0.34	< 0.33	< 0.36	< 0.36	< 0.33	< 0.36	< 0.36	< 0.33
di-n-butyl phthalate	700	< 0.4	< 0.59	< 0.66	< 0.67	< 0.59	< 0.41	< 0.59	< 0.66	< 0.66	< 0.59	< 0.66	< 0.64	< 0.59
di-n-octylphthalate	100	< 0.48	< 0.57	< 0.63	< 0.64	< 0.57	< 0.49	< 0.57	< 0.63	< 0.63	< 0.57	< 0.63	< 0.62	< 0.57
Hexachlorobutadiene	1	< 0.13	< 0.18	< 0.19	< 0.2	< 0.18	< 0.13	< 0.18	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19 R	< 0.18
Hexachlorocyclopentadiene	40	< 0.1	< 0.41	< 0.45	< 0.46	< 0.41	< 0.11	< 0.41	< 0.45	< 0.45	< 0.41	< 0.45	< 0.44	< 0.41
Hexachloroethane	7	< 0.16	< 0.28	< 0.31	< 0.32	< 0.28	< 0.16	< 0.28	< 0.31	< 0.31	< 0.28	< 0.31	< 0.31	< 0.28
Isophrone	40	< 0.49	< 0.59	< 0.65	< 0.66	< 0.59	< 0.5	< 0.59	< 0.65	< 0.65	< 0.59	< 0.65	< 0.64	< 0.59
Nitrobenzene	6	< 0.71	< 0.42	< 0.47	< 0.47	< 0.42	< 0.72	< 0.42	< 0.47	< 0.47	< 0.42	< 0.47	< 0.46	< 0.42
N-Nitroso-di-n-Propylamine	10	< 0.38	< 0.47	< 0.52	< 0.53	< 0.47	< 0.39	< 0.47	< 0.52	< 0.52	< 0.47	< 0.52	< 0.51	< 0.47
N-Nitrosodiphenylamine	10	< 0.41	< 0.52	< 0.57	< 0.58	< 0.52	< 0.42	< 0.52	< 0.57	< 0.57	< 0.52	< 0.57	< 0.56	< 0.52
Phenol	2000	< 0.68	< 0.5	< 0.55	< 0.56	< 0.5	< 0.7	< 0.5	< 0.55	< 0.55	< 0.5	< 0.55	< 0.54	< 0.5
Total TIC, Semi-Volatile	NS	4.2 J	27.4 J	0	0	6.3 J	0	15.2 J	19 J	0	0	11 J	19.7 J	0

Location		Groundwater Samples												
Sample Name		**OB-15B**	**OB-16**	**OB-17**	**OB-18**	**OB-19**	**OB-19 DUP**	**OB-20A**	**OB-20B**	**OB-21**	**OB-24**	**OB-25**	**RW1(10-31)**	**RW1(58-79)**
Sample Date	**GWQS[1]**	**10/16/2007**	**10/10/2007**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/12/2007**	**10/12/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM														
Acenaphthene	400	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.017	0.249	< 0.019	< 0.019	< 0.017	< 0.019	< 0.019	< 0.017
Acenaphthylene	NS	< 0.0095	< 0.0095	< 0.011	< 0.011	< 0.0095	< 0.0097	< 0.0095	< 0.011	< 0.011	< 0.0095	< 0.011	< 0.01	< 0.0095
Anthracene	2000	< 0.021	< 0.021	< 0.023	< 0.023	< 0.021	< 0.021	< 0.021	< 0.023	< 0.023	< 0.021	< 0.023	< 0.023	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.0068	< 0.0068	< 0.0076	< 0.0076	< 0.0068	< 0.0069	< 0.0068	< 0.0076	< 0.0076	< 0.0068	< 0.0076	< 0.0074	< 0.0068
Benzo(a)pyrene	0.1 [0.2]	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.019	< 0.018	< 0.017
Benzo(b)fluoranthene	0.2 [10]	< 0.036	< 0.036	< 0.04	< 0.041	< 0.036	< 0.037	< 0.036	< 0.04	< 0.04	< 0.036	< 0.04	< 0.039	< 0.036
Benzo(g,h,i)perylene	NS	< 0.018	< 0.018	< 0.02	< 0.02	< 0.018	< 0.018	< 0.018	< 0.02	< 0.02	< 0.018	< 0.02	< 0.019	< 0.018
Benzo(k)fluoranthene	0.5	< 0.016	< 0.016	< 0.017	< 0.018	< 0.016	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017	< 0.017	< 0.016
Chyrsene	5	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.019	< 0.018	< 0.017
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.016	< 0.016	< 0.018	< 0.018	< 0.016	< 0.017	< 0.016	< 0.018	< 0.018	< 0.016	< 0.018	< 0.018	< 0.016
Fluoranthene	300	< 0.009	< 0.009	< 0.01	< 0.01	< 0.009	< 0.0092	< 0.009	< 0.01	< 0.01	< 0.009	< 0.01	< 0.0098	< 0.009
Fluorene	300	< 0.02	< 0.02	< 0.022	< 0.023	< 0.02	< 0.021	< 0.02	< 0.022	< 0.022	< 0.02	< 0.022	< 0.022	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.02	< 0.02	< 0.022*	< 0.022*	< 0.02	< 0.02	< 0.02	< 0.022*	< 0.022*	< 0.02	< 0.022*	< 0.022*	< 0.02
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011
Naphthalene	300	< 0.026	< 0.026	< 0.029	< 0.029	< 0.026	< 0.026	0.275	1.02	< 0.029	< 0.026	< 0.029	< 0.028	< 0.026
Pentachlorophenol	0.3 [1]	< 0.3	< 0.3	< 0.33*	< 0.34*	< 0.3	< 0.31*	< 0.3 R	< 0.33* R	< 0.33*	< 0.3	< 0.33*	< 0.33* R	< 0.3
Phenanthrene	NS	< 0.021	< 0.021	< 0.023	< 0.024	< 0.021	< 0.022	< 0.021	< 0.023	< 0.023	< 0.021	< 0.023	< 0.023	< 0.021
Pyrene	200	< 0.014	< 0.014	< 0.016	< 0.016	< 0.014	< 0.014	< 0.014	< 0.016	< 0.016	< 0.014	< 0.016	< 0.015	< 0.014
PCBs														
PCB 1016	0.5	< 0.1	< 0.099	< 0.094	< 0.094	< 0.1	< 0.1	< 0.094	< 0.094	< 0.1	< 0.094	< 0.11	< 0.094	< 0.094
PCB 1221	0.5	< 0.52	< 0.49	< 0.47	< 0.47	< 0.52	< 0.52	< 0.47	< 0.47	< 0.52	< 0.47	< 0.53	< 0.47	< 0.47
PCB 1232	0.5	< 0.43	< 0.41	< 0.39	< 0.39	< 0.43	< 0.43	< 0.39	< 0.39	< 0.43	< 0.39	< 0.44	< 0.39	< 0.39
PCB 1242	0.5	< 0.18	< 0.17	< 0.16	< 0.16	< 0.18	< 0.18	< 0.16	< 0.16	< 0.18	< 0.16	< 0.18	< 0.16	< 0.16
PCB 1248	0.5	< 0.17	< 0.16	< 0.15	< 0.15	< 0.17	< 0.17	< 0.15	< 0.15	< 0.17	< 0.15	< 0.17	< 0.15	< 0.15
PCB 1254	0.5	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13	< 0.13	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total														
Aluminum	200	104 B	< 26	< 26	**262**	137 B	153 B	**2190**	104 B	**36300**	< 26	**1440**	**5300**	40.1 B
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 3	< 5.7	< 5.7	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	**8.8**	2.5 B	< 1.1	1.9 B	1.8 B	**18.6**	1.2 B	**9 B**	1.9 B	1.1 B	< 1.1	< 1.1
Barium	2000	12.6 B	87.7 B	15.1 B	8.6 B	60.6 B	52.5 B	103 B	68.5 B	209 B	37.9 B	21.2 B	51.2 B	6.6 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	**1.7 B**	< 0.15	< 0.15	0.6 B	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.8	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	24100 J	141000	98300	45500	17500	17200	35000	55900	22100	104000	23300	21000	24200
Chromium	70	1.6 B	0.9 B	1.3 B	1.6 B	< 0.53 J	0.6 B	3.3 B	1.9 B	46	< 0.53	< 0.53	12.5	0.9 B
Cobalt	NS	1.5 B	5.2 B	2.9 B	1.7 B	2 B	2.2 B	7.4 B	28.8 B	32 B	2.1 B	1.6 B	3.7 B	1 B
Copper	1,300	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	4.1 B	< 3.3	< 3.3	274	< 3.3	26.9	49.4	< 3.3
Iron	300	158 J	**15400**	**3830**	251	**20000**	**20200**	**49600**	**34900**	**54600**	< 6.3	**942**	**5970**	45.8 B
Lead	5	1 B	< 0.94	1.7 B	1.2 B	1.3 B	1 B	3	1.1 B	**27**	1.2 BJ	3.1	2.5 B	< 0.94
Magnesium	NS	5890 J	20700	31100	9020	2980 B	2970 B	3890 B	11300	17100	26100	4430 B	5590 J	4960 B
Manganese	50	**675**	**3940**	**669**	9.4 B	**987 J**	**1150**	**5590**	**9120**	**2540**	**352**	23.6	**171**	3.2 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	1.8 B	1.7 B	0.9 B	< 0.73	3 B	2.9 B	5.4 B	6.1 B	80.7 B	< 0.73	3.8 B	12.8 B	1.1 B
Potassium	NS	608 B	10600	893 B	445 B	1610 B	1490 B	2800 B	2650 B	8370 B	2450 B	6370 BJ	1610 B	877 B
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 2.4	< 0.73	< 0.73	< 0.73 J	0.8 B
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 2.8	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	4280 BJ	31300	17200	6160 B	4330 B	4120 B	3040 B	5630 B	4820 B	14800	25100 J	3920 BJ	3830 B
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4 J	< 1.4	< 1.4	< 1.4	< 4.5	1.8 B	< 1.4	< 1.4	< 1.4
Vanadium	NS	1.4 B	< 0.49	0.9 B	0.7 B	1.3 B	1.2 B	4.3 B	1.1 B	54.3 B	1.2 B	1.7 B	9.3 B	0.9 B
Zinc	2000	4.2 BJ	< 2.7	< 2.7	< 2.7	18.7 BJ	18.2 BJ	< 2.7	< 2.7	205	< 2.7 J	< 2.7	290 J	180

Location		Groundwater Samples												
Sample Name		**OB-15B**	**OB-16**	**OB-17**	**OB-18**	**OB-19**	**OB-19 DUP**	**OB-20A**	**OB-20B**	**OB-21**	**OB-24**	**OB-25**	**RW1(10-31)**	**RW1(58-79)**
Sample Date	**GWQS[1]**	**10/16/2007**	**10/10/2007**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/12/2007**	**10/12/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved														
Aluminum	200	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	159 B	< 26	**207**	< 26	< 26
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 5.7	< 5.7	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	**3.6**	< 1.1	< 1.1	< 1.1	< 1.1	2.4 B	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Barium	2000	4.2 B	69.6 B	13.4 B	7.7 B	45.5 B	47 B	64.9 B	47.2 B	9.9 B	37.5 B	17.3 B	14.1 B	6.4 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	23600 J	136000	95600	47900	16600	16600	33500	54400	16100	102000	25100	21100	24400
Chromium	70	1.2 B	1.7 B	1 B	1.9 B	0.6 BJ	< 0.53	2.7 B	1.7 B	1 B	< 0.53	< 0.53	0.9 B	0.7 B
Cobalt	NS	1.4 B	4.6 B	3 B	1.6 B	1.9 B	1.9 B	5.1 B	27 B	1 B	2.3 B	1.3 B	1 B	1.1 B
Copper	1,300	< 3.3	< 3.3	3.5 B	< 3.3	3.3 B	< 3.3	< 3.3	< 3.3	4.7 B	< 3.3	11.6 B	3.3 B	< 3.3
Iron	300	12.8 BJ	**5400**	**419**	< 6.3	**3940**	**4170**	**18600**	**11400**	164 J	< 6.3	< 6.3	15.7 B	10.3 B
Lead	5	< 0.94	< 0.94	< 0.94	1 B	1.1 B	< 0.94	< 0.94	1 B	< 0.94	1.5 BJ	1.5 B	< 0.94	< 0.94
Magnesium	NS	5800 J	20200	30200	9340	2850 B	2840 B	3370 B	11000	5910	25500	4550 B	4720 BJ	4990 B
Manganese	50	**162**	**3830**	**610**	< 0.17	**1100 J**	**1070**	**5310**	**8970**	24.3	**333**	9.1 B	13.9 B	2.2 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 0.73	1.4 B	< 0.73	0.9 B	4 B	2 B	8.8 B	5.6 B	2.8 B	< 0.73	2.3 B	2.5 B	1.6 B
Potassium	NS	576 B	10400	887 B	380 B	1460 B	1430 B	2380 B	2610 B	1190 B	2400 B	7050 BJ	845 B	884 B
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	0.9 BJ	0.8 B
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	4280 BJ	30400	16800	6490 B	3970 B	4000 B	3020 B	5540 B	3740 B	14600	28000 J	3840 BJ	3840 B
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	1.8 BJ	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Vanadium	NS	1 B	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	0.6 B	0.9 B	0.6 B	0.7 B	0.6 B
Zinc	2000	4 BJ	< 2.7	< 2.7	< 2.7	14.7 BJ	12.8 BJ	< 2.7	< 2.7	< 2.7	< 2.7 J	< 2.7	510 J	172
Other														
Alkalinity, total (as CaCO3)	NS	74700	488000	326000	157000	58800	58300	143000	207000	50900	265000	96500	63100	64100
Nitrogen, Nitrate + Nitrite	NS	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	700	780	< 100	< 100
Phosphorus, Total	NS	1000	170	< 50	< 50	< 50	54	310	300	1800	< 50	69	110	< 50
Chloride	250000	< 2000	30300	6200	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	75000	18000	7700	10000
Nitrate	10000	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	700	780	< 110	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250000	15800	< 10000	41200	13900	< 10000	< 10000	< 10000	< 10000	11800	27800	30000	13600	12900
Alkalinity, Bicarbonate	NS	187000	488000	326000	157000	58800	58300	143000	207000	50900	265000	96400	63000	64100
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Cyanide	100	< 10	< 10	< 10	< 10	< 10 J	< 10 J	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10

Location		Groundwater Samples													
Sample Name		**RW1(97-118)**	**RW1(125-146)**	**RW2(19-50)**	**RW2(102-133)**	**RW2(161-192)**	**RW2(278-309)**	**RW2(441-472)**	**RW3(62-98)**	**RW4 (59-77)**	**RW4 (108-129)**	**RW4 (328-349)**	**RW4 (388-409)**	**RW-5**	**RW-5A**
Sample Date	**GWQS[1]**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/16/2007**	**10/16/2007**	**10/17/2007**	**10/12/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/15/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs															
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.65 J	< 0.2	< 0.2	< 0.2	< 0.2	0.24 J	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	**1.8**	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.47 J	< 0.14
Carbon tetrachloride	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19 JR	< 0.19 JR	< 0.19 JR	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	0.26 J	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	24	0.79 J
Chloroform	70	< 0.25	< 0.25	1.9	0.83 J	1.1	0.59 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	1.3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	0.26 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.95 J	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28 J	< 0.28	< 0.28
Toluene	1000	0.69 J	0.54 J	18.8	149	55.2	10	21	< 0.21	97.1	0.95 J	1.1	0.54 J	< 0.21	< 0.21
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	4.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	< 0.2	< 0.2	0.33 J	< 0.2	< 0.2	< 0.2	< 0.2	5.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Location		Groundwater Samples													
Sample Name		RW1(97-118)	RW1(125-146)	RW2(19-50)	RW2(102-133)	RW2(161-192)	RW2(278-309)	RW2(441-472)	RW3(62-98)	RW4 (59-77)	RW4 (108-129)	RW4 (328-349)	RW4 (388-409)	RW-5	RW-5A
Sample Date	GWQS[1]	10/10/2007	10/10/2007	10/15/2007	10/15/2007	10/16/2007	10/16/2007	10/17/2007	10/12/2007	10/11/2007	10/11/2007	10/11/2007	10/11/2007	10/15/2007	10/15/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs															
1,1'-Biphenyl	400	< 0.34	< 0.34	< 0.33	< 0.33	< 0.35	< 0.34	< 0.35	< 0.33	< 0.34	< 0.33	< 0.38	< 0.36	< 0.33	< 0.37
2,4,5-Trichlorophenol	700	< 2	< 2	< 1.9	< 1.9	< 2.1	< 2	< 2.1	< 1.9	< 2	< 2	< 2.2	< 2.1	< 1.9	< 2.2
2,4,6-Trichlorophenol	20	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.5	< 1.4	< 1.3	< 1.4
2,4-Dichlorophenol	20	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6	< 1.6	< 1.8	< 1.7	< 1.6	< 1.8
2,4-Dimethylphenol	100	< 1.7	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7	< 1.7	< 1.6	< 1.7	< 1.7	< 1.9	< 1.8	< 1.6	< 1.8
2,4-Dinitrophenol	40	< 0.94	< 0.94	< 0.89	< 0.89	< 0.95	< 0.93	< 0.95	< 0.89 J	< 0.93	< 0.91	< 1	< 0.99	< 0.89	< 1
2,4-Dinitrotoluene	NS	< 0.91	< 0.91	< 0.86	< 0.86	< 0.91	< 0.9	< 0.91	< 0.86	< 0.9	< 0.88	< 1	< 0.96	< 0.86	< 0.97
2,6-Dinitrotoluene	NS	< 0.59	< 0.59	< 0.56	< 0.56	< 0.59	< 0.58	< 0.59	< 0.56	< 0.58	< 0.57	< 0.65	< 0.62	< 0.56	< 0.63
2-Chloronaphthalene	600	< 1	< 1	< 0.98	< 0.98	< 1	< 1	< 1	< 0.98	< 1	< 1	< 1.1	< 1.1	< 0.98	< 1.1
2-Chlorophenol	40	< 1	< 1	< 0.95	< 0.95	< 1	< 0.99	< 1	< 0.95	< 0.99	< 0.97	< 1.1	< 1.1	< 0.95	< 1.1
2-Methylnaphthalene	NS	< 0.43	< 0.43	< 0.41	< 0.41	< 0.43	< 0.43	< 0.43	< 0.41	< 0.43	< 0.42	< 0.47	< 0.45	< 0.41	< 0.46
2-Methylphenol	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.6	< 1.5	< 1.4	< 1.5
2-Nitroaniline	NS	< 0.7	< 0.7	< 0.66	< 0.66	< 0.7	< 0.69	< 0.7	< 0.66	< 0.69	< 0.68	< 0.77	< 0.74	< 0.66	< 0.74
2-Nitrophenol	NS	< 1.9	< 1.9	< 1.8	< 1.8	< 1.9	< 1.9	< 1.9	< 1.8	< 1.9	< 1.8	< 2.1	< 2	< 1.8	< 2
3&4-Methylphenol	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.5	< 1.4	< 1.3	< 1.4
3,3'-Dichlorobenzidine	30	< 1.3	< 1.3	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.2	< 1.4	< 1.4	< 1.2	< 1.4
3-Nitroaniline	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.5	< 1.4	< 1.3	< 1.4
4,6-Dinitro-2-methylphenol	NS	< 0.76	< 0.76	< 0.72	< 0.72	< 0.77	< 0.75	< 0.77	< 0.72	< 0.75	< 0.74	< 0.84	< 0.8	< 0.72	< 0.81
4-Bromophenyl phenyl ether	NS	< 0.31	< 0.31	< 0.3	< 0.3	< 0.32	< 0.31	< 0.32	< 0.3	< 0.31	< 0.31	< 0.35	< 0.33	< 0.3	< 0.34
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3
4-Chloroaniline	30	< 0.42	< 0.42	< 0.4	< 0.4	< 0.42	< 0.41	< 0.42	< 0.4	< 0.41	< 0.41	< 0.46	< 0.44	< 0.4	< 0.45
4-Chlorophenyl phenyl ether	NS	< 0.45	< 0.45	< 0.43	< 0.43	< 0.46	< 0.45	< 0.46	< 0.43	< 0.45	< 0.44	< 0.5	< 0.48	< 0.43	< 0.48
4-Nitroaniline	NS	< 0.76	< 0.76	< 0.72	< 0.72	< 0.77	< 0.75	< 0.77	< 0.72	< 0.75	< 0.74	< 0.84	< 0.8	< 0.72	< 0.81
4-Nitrophenol	NS	< 0.89	< 0.89	< 0.84	< 0.84	< 0.9	< 0.88	< 0.9	< 0.84	< 0.88	< 0.86	< 0.98	< 0.94	< 0.84	< 0.95
Acetophenone	700	< 0.39	< 0.39	< 0.37	< 0.37	< 0.4	< 0.39	< 0.4	< 0.37	< 0.39	< 0.38	< 0.43	< 0.42	< 0.37	< 0.42
Atrazine	3	< 0.17	< 0.17	< 0.16	< 0.16	< 0.17	< 0.17	< 0.17	< 0.16	< 0.17	< 0.17	< 0.19	< 0.18	< 0.16	< 0.18
Benzaldehyde	NS	< 0.28 R	< 0.28 R	< 0.27	< 0.27	< 0.28 R	< 0.28 R	< 0.28 R	< 0.27	< 0.28	< 0.27	< 0.31	< 0.29	< 0.27	< 0.3
Benzyl butyl phthalate	100	< 0.62	< 0.62	< 0.59	< 0.59	< 0.63	< 0.62	< 0.63	< 0.59	< 0.62	< 0.61	< 0.69	< 0.66	< 0.59	< 0.67
bis(2-Chloroethoxy)methane	NS	< 0.69	< 0.69	< 0.65	< 0.65	< 0.7	< 0.68	< 0.7	< 0.65	< 0.68	< 0.67	< 0.76	< 0.73	< 0.65	< 0.73
bis(2-Chloroethyl)ether	7	< 0.56	< 0.56	< 0.53	< 0.53	< 0.56	< 0.55	< 0.56	< 0.53	< 0.55	< 0.54	< 0.62	< 0.59	< 0.53	< 0.6
bis(2-Chloroisopropyl)ether	300	< 0.78	< 0.78	< 0.74	< 0.74	< 0.79	< 0.77	< 0.79	< 0.74	< 0.77	< 0.75	< 0.86	< 0.82	< 0.74	< 0.83
bis(2-Ethylhexyl)phthalate	3	1.2 J	< 0.7	< 0.66	2.1	1.9 J	**5.5**	**26.4**	< 0.66 J	2.4	< 0.67	1.3 J	2.2	< 0.66	< 0.74
Caprolactam	NS	< 0.33	< 0.33	< 0.32	< 0.32	< 0.34	< 0.33	< 0.34	< 0.32	< 0.33	< 0.32	< 0.37	< 0.35	< 0.32	< 0.35
Carbazole	NS	< 0.38	< 0.38	< 0.36	< 0.36	< 0.39	< 0.38	< 0.39	< 0.36	< 0.38	< 0.37	< 0.42	< 0.4	< 0.36	< 0.41
Dibenzofuran	NS	< 0.36	< 0.36	< 0.34	< 0.34	< 0.37	< 0.36	< 0.37	< 0.34	< 0.36	< 0.35	< 0.4	< 0.38	< 0.34	< 0.39
Diethyl phthalate	6000	< 0.41	< 0.41	< 0.39	< 0.39	< 0.41	< 0.41	< 0.41	< 0.39	< 0.41	< 0.4	< 0.45	< 0.43	< 0.39	< 0.44
Dimethyl phthalate	NS	< 0.35	< 0.35	< 0.33	< 0.33	< 0.35	< 0.34	< 0.35	< 0.33	< 0.34	< 0.33	< 0.38	< 0.36	< 0.33	< 0.37
di-n-butyl phthalate	700	< 0.62	< 0.62	< 0.59	< 0.59	< 0.63	< 0.62	< 0.63	< 0.59	< 0.62	< 0.6	< 0.69	< 0.66	< 0.59	< 0.67
di-n-octylphthalate	100	< 0.6	< 0.6	< 0.57	< 0.57	< 0.61	< 0.59	< 0.61	< 0.57	< 0.59	< 0.58	< 0.66	< 0.63	< 0.57	< 0.64
Hexachlorobutadiene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.2	< 0.19	< 0.18	< 0.2
Hexachlorocyclopentadiene	40	< 0.43	< 0.43	< 0.41	< 0.41	< 0.43	< 0.42	< 0.43	< 0.41	< 0.42	< 0.42	< 0.47	< 0.45	< 0.41	< 0.46
Hexachloroethane	7	< 0.3	< 0.3	< 0.28	< 0.28	< 0.3	< 0.29	< 0.3	< 0.28	< 0.29	< 0.29	< 0.33	< 0.31	< 0.28	< 0.32
Isophrone	40	< 0.62	< 0.62	< 0.59	< 0.59	< 0.63	< 0.61	< 0.63	< 0.59	< 0.61	< 0.6	< 0.68	< 0.65	< 0.59	< 0.66
Nitrobenzene	6	< 0.44	< 0.44	< 0.42	< 0.42	< 0.45	< 0.44	< 0.45	< 0.42	< 0.44	< 0.43	< 0.49	< 0.47	< 0.42	< 0.47
N-Nitroso-di-n-Propylamine	10	< 0.49	< 0.49	< 0.47	< 0.47	< 0.5	< 0.49	< 0.5	< 0.47	< 0.49	< 0.48	< 0.54	< 0.52	< 0.47	< 0.53
N-Nitrosodiphenylamine	10	< 0.54	< 0.54	< 0.52	< 0.52	< 0.55	< 0.54	< 0.55	< 0.52	< 0.54	< 0.53	< 0.6	< 0.57	< 0.52	< 0.58
Phenol	2000	< 0.52	< 0.52	< 0.5	< 0.5	< 0.53	< 0.52	< 0.53	< 0.5	< 0.52	< 0.51	< 0.58	< 0.55	< 0.5	< 0.56
Total TIC, Semi-Volatile	NS	5.7 J	5.2 J	0	11 J	0	80.1 J	0	10.5 J	25 J	4.5 J	0	0	8.5 J	0

Location		Groundwater Samples													
Sample Name		**RW1(97-118)**	**RW1(125-146)**	**RW2(19-50)**	**RW2(102-133)**	**RW2(161-192)**	**RW2(278-309)**	**RW2(441-472)**	**RW3(62-98)**	**RW4 (59-77)**	**RW4 (108-129)**	**RW4 (328-349)**	**RW4 (388-409)**	**RW-5**	**RW-5A**
Sample Date	**GWQS[1]**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/16/2007**	**10/16/2007**	**10/17/2007**	**10/12/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/15/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM															
Acenaphthene	400	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.02	< 0.019	< 0.017	< 0.019
Acenaphthylene	NS	< 0.01	< 0.01	< 0.0095	< 0.0095	< 0.01	< 0.0099	< 0.01	< 0.0095	< 0.0099	< 0.0097	< 0.011	< 0.011	< 0.0095	< 0.011
Anthracene	2000	< 0.022	< 0.022	< 0.021	< 0.021	< 0.022	< 0.022	< 0.022	< 0.021	< 0.022	< 0.021	< 0.024	< 0.023	< 0.021	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.0072	< 0.0072	< 0.0068	< 0.0068	< 0.0072	< 0.0071	< 0.0072	< 0.0068	< 0.0071	< 0.0069	< 0.0079	< 0.0076	< 0.0068	< 0.0076
Benzo(a)pyrene	0.1 [0.2]	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.02	< 0.019	< 0.017	< 0.019
Benzo(b)fluoranthene	0.2 [10]	< 0.038	< 0.038	< 0.036	< 0.036	< 0.039	< 0.038	< 0.039	< 0.036	< 0.038	< 0.037	< 0.042	< 0.04	< 0.036	< 0.041
Benzo(g,h,i)perylene	NS	< 0.019	< 0.019	< 0.018	< 0.018	< 0.019	< 0.019	< 0.019	< 0.018	< 0.019	< 0.018	< 0.021	< 0.02	< 0.018	< 0.02
Benzo(k)fluoranthene	0.5	< 0.017	< 0.017	< 0.016	< 0.016	< 0.017	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	< 0.018	< 0.017	< 0.016	< 0.018
Chyrsene	5	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.017	< 0.017	< 0.019	< 0.019	< 0.017	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.017	< 0.017	< 0.016	< 0.016	< 0.017	< 0.017	< 0.017	< 0.016	< 0.017	< 0.017	< 0.019	< 0.018	< 0.016	< 0.018
Fluoranthene	300	< 0.0095	< 0.0095	< 0.009	< 0.009	< 0.0096	< 0.0094	< 0.0096	< 0.009	< 0.0094	< 0.0092	< 0.01	< 0.01	< 0.009	< 0.01
Fluorene	300	< 0.021	< 0.021	< 0.02	< 0.02	< 0.021	< 0.021	< 0.021	< 0.02	< 0.021	< 0.021	< 0.023	< 0.022	< 0.02	< 0.023
Hexachlorobenzene	0.02 [10]	< 0.021*	< 0.021*	< 0.02	< 0.02	< 0.021*	< 0.021*	< 0.021*	< 0.02	< 0.021*	< 0.02	< 0.023*	< 0.022*	< 0.02	< 0.022*
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.012	< 0.012	< 0.011	< 0.011	< 0.012	< 0.012	< 0.012	< 0.011	< 0.012	< 0.011	< 0.013	< 0.012	< 0.011	< 0.012
Naphthalene	300	< 0.027	< 0.027	< 0.026	< 0.026	< 0.027	< 0.027	< 0.027	< 0.026	< 0.027	< 0.026	< 0.03	< 0.029	< 0.026	< 0.029
Pentachlorophenol	0.3 [1]	< 0.32*	< 0.32*	< 0.3	< 0.3	< 0.32*	< 0.31*	< 0.32*	< 0.3	< 0.31* R	< 0.31* R	< 0.35* R	< 0.33* R	< 0.3	< 0.34*
Phenanthrene	NS	< 0.022	< 0.022	< 0.021	< 0.021	< 0.022	< 0.022	< 0.022	< 0.021	< 0.022	< 0.022	< 0.025	< 0.023	< 0.021	< 0.024
Pyrene	200	< 0.015	< 0.015	< 0.014	< 0.014	< 0.015	< 0.015	< 0.015	< 0.014	< 0.015	< 0.014	< 0.016	< 0.016	< 0.014	< 0.016
PCBs															
PCB 1016	0.5	< 0.094	< 0.094	< 0.094	< 0.094	< 0.1	< 0.1	< 0.099	< 0.094	< 0.099	< 0.094	< 0.1	< 0.094	< 0.1	< 0.1
PCB 1221	0.5	< 0.47	< 0.47	< 0.47	< 0.47	< 0.5	< 0.52	< 0.49	< 0.47	< 0.49	< 0.47	< 0.51	< 0.47	< 0.51	< 0.51
PCB 1232	0.5	< 0.39	< 0.39	< 0.39	< 0.39	< 0.41	< 0.43	< 0.41	< 0.39	< 0.41	< 0.39	< 0.42	< 0.39	< 0.42	< 0.42
PCB 1242	0.5	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.18	< 0.17	< 0.16	< 0.17	< 0.16	< 0.18	< 0.16	< 0.18	< 0.18
PCB 1248	0.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.17	< 0.16	< 0.15	< 0.16	< 0.15	< 0.16	< 0.15	< 0.16	< 0.17
PCB 1254	0.5	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12	< 0.12
PCB 1260	0.5	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total															
Aluminum	200	59.8 B	82.4 B	161 B	117 B	< 26	**282**	< 26	< 26	27.7 B	< 26	< 26	42.3 B	94 B	**1010**
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	< 1.1	< 1.1	< 1.1 J	< 1.1	< 1.1	1.3 B	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Barium	2000	3.2 B	3.7 B	67.8 B	54.9 B	52.6 B	80.4 B	69.9 B	46.7 B	8.2 B	14.5 B	9.1 B	10.9 B	16.3 B	4.8 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2 B
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	28400	26600	71000	119000	78200 J	93800 J	105000 J	55300	10400	13100	11100	11000	68200	24800 J
Chromium	70	0.9 B	1.3 B	0.6 B	< 0.53	< 0.53	1.4 B	< 0.53	< 0.53	0.8 B	< 0.53	0.7 B	3.1 B	1.8 B	0.9 BJ
Cobalt	NS	1.3 B	1.5 B	3.9 B	3.6 B	5 B	6.4 B	5.2 B	2 B	0.5 B	0.7 B	0.6 B	0.7 B	6.2 B	2.1 B
Copper	1,300	3.7 B	4.3 B	10.7 B	9.9 B	13.1 B	25.1	11.2 B	4.2 B	< 3.3	< 3.3	< 3.3	< 3.3	3.4 B	26.7
Iron	300	117	147	**511**	**616**	**653 J**	**1650 J**	**1140 J**	**3470**	**1170**	**765**	**798**	**2890**	**4700**	**524**
Lead	5	< 0.94	1.2 B	1.2 B	< 0.94	1.4 B	3.2	3.3	< 0.94	1.6 B	< 0.94	2.1 B	2.4 B	1.5 B	1.9 B
Magnesium	NS	4370 B	4050 B	24600	32200	20400 J	28900 J	29200 J	15900	4090 B	5140	4290 B	4330 B	17800	5120
Manganese	50	7.8 B	26.3	**718**	**381**	**1510 J**	**1750 J**	**1510 J**	**172**	35.6	2.2 B	4.7 B	9.9 B	**5050**	**364**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 0.73	1 B	8 B	7 B	10.7 B	11.8 B	7.9 B	6.4 BJ	3.3 B	0.8 B	1.3 B	2 B	5.1 B	1.9 B
Potassium	NS	746 B	721 B	2170 B	2160 B	1730 B	1920 B	2050 B	1920 B	1100 B	1160 B	1060 B	1110 B	4450 B	3280 BJ
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	5210 B	5110 B	**95100**	**75900**	49000 J	**61500 J**	**75600 J**	7350 B	5480 B	5520 B	5420 B	5550 B	9300 B	7020 BJ
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	1.9 B	< 1.4	< 1.4
Vanadium	NS	1 B	1.3 B	0.6 BJ	< 0.49	1 B	2.5 B	1.5 B	2.4 B	0.7 B	1.3 B	1.1 B	1.9 B	< 0.49	1.1 BJ
Zinc	2000	220	99.5	467	423 J	762	**2230**	**3730**	< 2.7	1560	148	1350	834	19.4 BJ	< 2.7

Location		Groundwater Samples													
Sample Name		**RW1(97-118)**	**RW1(125-146)**	**RW2(19-50)**	**RW2(102-133)**	**RW2(161-192)**	**RW2(278-309)**	**RW2(441-472)**	**RW3(62-98)**	**RW4 (59-77)**	**RW4 (108-129)**	**RW4 (328-349)**	**RW4 (388-409)**	**RW-5**	**RW-5A**
Sample Date	**GWQS[1]**	**10/10/2007**	**10/10/2007**	**10/15/2007**	**10/15/2007**	**10/16/2007**	**10/16/2007**	**10/17/2007**	**10/12/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/11/2007**	**10/15/2007**	**10/15/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved															
Aluminum	200	< 26	< 26	83 B	112 B	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	73.8 B	63.3 B
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Arsenic	3 [8]	< 1.1	< 1.1	< 1.1	1.1 BJ	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	1.5 B	< 1.1	< 1.1	< 1.1	< 1.1
Barium	2000	< 3	3.8 B	66.4 B	54 B	45.6 B	60.7 B	61.6 B	39.6 B	7.7 B	15.1 B	9.1 B	9.9 B	14.3 B	< 3
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	28400	28300	71400	114000	79500 J	88800 J	102000 J	52300	10300	13800	11700	10600	66600	27700 J
Chromium	70	< 0.53	0.9 B	0.6 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	1.1 B	0.7 B	< 0.53	0.9 B	1.1 B	1.1 BJ
Cobalt	NS	1.1 B	1.2 B	4 B	3.6 B	3.6 B	3.7 B	3.6 B	1.6 B	0.6 B	0.6 B	0.4 B	0.6 B	6.4 B	2.4 B
Copper	1,300	< 3.3	< 3.3	7.6 B	5.8 B	4 B	4.9 B	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	5.9 B
Iron	300	10.3 B	12.6 B	< 6.3	19.2 B	16.5 BJ	22.5 BJ	34 BJ	32.7 B	36.9 B	< 6.3	31.6 J	26.9 J	**1280**	< 6.3
Lead	5	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	1 B	< 0.94
Magnesium	NS	4340 B	4290 B	24500	31300	20000 J	27000 J	28100 J	15200	4040 B	5430	4480 B	4180 B	17000	5450
Manganese	50	1.9 B	19.4	**697**	**345**	**1230 J**	**1040 J**	**1120 J**	**146**	32.9	1 BJ	3.8 B	4.3 B	**4860**	**396**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 0.73	1 B	8.2 B	7.3 B	9.5 B	10.6 B	7 B	< 0.73	3.5 B	1.1 B	1.2 B	1.5 B	5.1 B	1.9 B
Potassium	NS	767 B	785 B	2110 B	2170 B	1840 B	1850 B	1900 B	1830 B	1110 B	1220 B	1100 B	1050 B	4170 B	3680 BJ
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	5220 B	5400 B	**95300**	**74200**	49100 J	**64600 J**	**74200 J**	7160 B	5460 B	5800 B	5720 B	5360 B	9070 B	8120 BJ
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Vanadium	NS	0.8 B	0.8 B	1.7 BJ	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	0.7 B	0.5 B	0.5 B	< 0.49	1.4 BJ
Zinc	2000	195	88.7	465	483 J	720	**2250**	**3540**	127	1440	141	1380	814	< 2.7	< 2.7
Other															
Alkalinity, total (as CaCO3)	NS	76900	74700	206000	334000	299000	140000	187000	176000	43500	50400	45600	46100	249000	98100
Nitrogen, Nitrate + Nitrite	NS	< 100	< 100	4000	3900	630	3100	3100	500	< 100	< 100	< 100	< 100	< 100	< 100
Phosphorus, Total	NS	< 50	< 50	< 50	< 50	< 50	< 50	< 50	130	< 50	< 50	< 50	< 50	< 50	< 50
Chloride	250000	5700	4800	**258000**	242000	213000	196000	227000	17200	< 2000	2100	< 2000	< 2000	2100	2500
Nitrate	10000	< 110	< 110	4000	3800	390	3000	2900	500	< 110	< 110	< 110	< 110	< 110	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	110	240	66	230	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250000	18000	18800	21600	21300	19600	19300	19900	11300	13900	18300	15700	15500	18200	15400
Alkalinity, Bicarbonate	NS	76200	74300	206000	334000	299000	140000	74400	176000	43400	50300	45500	46100	249000	97800
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	53200	54700	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Cyanide	100	< 10	< 10	< 10 J	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10 J

Location		Groundwater Samples								
Sample Name		RW-6	RW-6A	RW-7	SC-1	PMAIRSHAFT 180	PMAIRSHAFT 222	FIELDBLANK	FIELDBLANK	FIELDBLANK
Sample Date	GWQS[1]	10/11/2007	10/16/2007	10/15/2007	10/16/2007	10/17/2007	10/17/2007	10/8/2007	10/9/2007	10/10/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs										
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	1.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	0.42 J	0.4 J	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	1.5	1.3	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	7.6	6.3	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	**2.6**	**5.5**	< 0.19	**1.5**	**30.1**	**29.9**	< 0.19	< 0.19	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	1	< 0.19	< 0.19 J	< 0.19	< 0.19 J	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	8.3	8	< 0.19	< 0.19	< 0.19
Chloroethane	NS	8.5	2.4	< 0.67	3.6	25.9	23.1	< 0.67	< 0.67	< 0.67
Chloroform	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	3.5 J	< 0.85	1.9 J	2.3 J	1.8 J	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	15.2	< 0.21	2.7	1.9	0.82 J	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	0.98 J	10.8	< 0.54	2.1	11.1	9.2	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	1.1 J	< 0.5	2 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.27 J	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	2.6	< 0.2	3.8	1.9	1.1	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28 J	< 0.28 J	< 0.28	< 0.28 J	< 0.28	0.34 J	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.21	< 0.21	< 0.21	1.3	0.75 J	0.47 J	< 0.21	< 0.21	< 0.21
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17 J	< 0.17 J	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	240	< 0.35	51	13.3	6.5	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	242	< 0.2	54.8	15.2	7.5	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	179.4 J	0	54.8 J	16.9 J	5 J	0	0	0

Table 8: Summary of Groundwater Analytical Results, October 2007, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location		Groundwater Samples								
Sample Name		**RW-6**	**RW-6A**	**RW-7**	**SC-1**	**PMAIRSHAFT 180**	**PMAIRSHAFT 222**	**FIELDBLANK**	**FIELDBLANK**	**FIELDBLANK**
Sample Date	**GWQS[1]**	**10/11/2007**	**10/16/2007**	**10/15/2007**	**10/16/2007**	**10/17/2007**	**10/17/2007**	**10/8/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs										
1,1'-Biphenyl	400	< 0.33	< 0.22	< 0.33	< 0.22	< 0.24	< 0.24	< 0.35	< 0.41	< 0.33
2,4,5-Trichlorophenol	700	< 1.9	< 1.1	< 1.9	< 1.1	< 1.2	< 1.2	< 2.1	< 2.4	< 1.9
2,4,6-Trichlorophenol	20	< 1.3	< 1	< 1.3	< 1	< 1.1	< 1.1	< 1.3	< 1.6	< 1.3
2,4-Dichlorophenol	20	< 1.6	< 1.4	< 1.6	< 1.4	< 1.5	< 1.5	< 1.7	< 2	< 1.6
2,4-Dimethylphenol	100	< 1.6	5.7	< 1.6	< 1.7	< 1.8	< 1.8	< 1.7	< 2.1	< 1.6
2,4-Dinitrophenol	40	< 0.89	< 1.1	< 0.89	< 1.1	< 1.2	< 1.2	< 0.95	< 1.1	< 0.89
2,4-Dinitrotoluene	NS	< 0.86	< 0.54	< 0.86	< 0.54	< 0.58	< 0.58	< 0.91	< 1.1	< 0.86
2,6-Dinitrotoluene	NS	< 0.56	< 0.5	< 0.56	< 0.5	< 0.53	< 0.54	< 0.59	< 0.7	< 0.56
2-Chloronaphthalene	600	< 0.98	< 0.2	< 0.98	< 0.2	< 0.21	< 0.21	< 1	< 1.2	< 0.98
2-Chlorophenol	40	< 0.95	< 0.87	< 0.95	< 0.87	< 0.93	< 0.94	< 1	< 1.2	< 0.95
2-Methylnaphthalene	NS	< 0.41	1.1 J	< 0.41	< 0.76	< 0.81	< 0.82	< 0.43	< 0.51	< 0.41
2-Methylphenol	NS	< 1.4	< 1	< 1.4	< 1	< 1.1	< 1.1	< 1.4	< 1.7	< 1.4
2-Nitroaniline	NS	< 0.66	< 0.5	< 0.66	< 0.5	< 0.53	< 0.53	< 0.7	< 0.83	< 0.66
2-Nitrophenol	NS	< 1.8	< 1.5	< 1.8	< 1.5	< 1.6	< 1.6	< 1.9	< 2.3	< 1.8
3&4-Methylphenol	NS	< 1.3	< 1.1	< 1.3	< 1.1	< 1.2	< 1.2	< 1.4	< 1.6	< 1.3
3,3'-Dichlorobenzidine	30	< 1.2	< 0.97	< 1.2	< 0.97	< 1	< 1	< 1.3	< 1.5	< 1.2
3-Nitroaniline	NS	< 1.3	< 0.32	< 1.3	< 0.32	< 0.34	< 0.35	< 1.3	< 1.6	< 1.3
4,6-Dinitro-2-methylphenol	NS	< 0.72	< 2.2	< 0.72	< 2.2	< 2.4	< 2.4	< 0.77	< 0.9	< 0.72
4-Bromophenyl phenyl ether	NS	< 0.3	< 0.37	< 0.3	< 0.37	< 0.4	< 0.4	< 0.32	< 0.37	< 0.3
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.5	< 1.2
4-Chloroaniline	30	< 0.4	< 0.35	< 0.4	< 0.35	< 0.37	< 0.37	< 0.42	< 0.5	< 0.4
4-Chlorophenyl phenyl ether	NS	< 0.43	< 0.29	< 0.43	< 0.29	< 0.31	< 0.31	< 0.46	< 0.54	< 0.43
4-Nitroaniline	NS	< 0.72	< 0.59	< 0.72	< 0.59	< 0.63	< 0.63	< 0.77	< 0.9	< 0.72
4-Nitrophenol	NS	< 0.84	< 1.6	< 0.84	< 1.6	< 1.7	< 1.7	< 0.9	< 1.1	< 0.84
Acetophenone	700	< 0.37	< 0.36	< 0.37	< 0.36	< 0.38	< 0.39	< 0.4	< 0.47	< 0.37
Atrazine	3	< 0.16	< 0.28	< 0.16	< 0.28	< 0.3	< 0.3	< 0.17	< 0.2	< 0.16
Benzaldehyde	NS	< 0.27	< 0.76	< 0.27	< 0.76	< 0.81	< 0.82	< 0.28	< 0.33 R	< 0.27 R
Benzyl butyl phthalate	100	< 0.59	< 0.64	< 0.59	< 0.64	< 0.68	< 0.69	< 0.63	< 0.74	< 0.59
bis(2-Chloroethoxy)methane	NS	< 0.65	< 0.32	< 0.65	< 0.32	< 0.34	< 0.34	< 0.7	< 0.82	< 0.65
bis(2-Chloroethyl)ether	7	< 0.53	< 0.67	< 0.53	< 0.67	< 0.72	< 0.72	< 0.56	< 0.66	< 0.53
bis(2-Chloroisopropyl)ether	300	< 0.74	< 0.58	< 0.74	< 0.58	< 0.61	< 0.62	< 0.79	< 0.92	< 0.74
bis(2-Ethylhexyl)phthalate	3	**4.2**	< 0.88	< 0.66	2.1	< 0.93	1.1 J	< 0.7	< 0.83	< 0.66
Caprolactam	NS	< 0.32	< 0.49	< 0.32	< 0.49	1.6 J	2.1 J	< 0.34	< 0.39	< 0.32
Carbazole	NS	< 0.36	0.4 J	< 0.36	0.45 J	< 0.42	< 0.43	< 0.39	< 0.46	< 0.36
Dibenzofuran	NS	< 0.34	< 0.23	< 0.34	< 0.23	< 0.24	< 0.25	< 0.37	< 0.43	< 0.34
Diethyl phthalate	6000	< 0.39	< 0.34	< 0.39	< 0.34	< 0.37	< 0.37	< 0.41	< 0.49	< 0.39
Dimethyl phthalate	NS	< 0.33	< 0.34	< 0.33	< 0.34	< 0.36	< 0.36	< 0.35	< 0.41	< 0.33
di-n-butyl phthalate	700	< 0.59	< 0.4	< 0.59	< 0.4	< 0.43	< 0.43	< 0.63	< 0.74	< 0.59
di-n-octylphthalate	100	< 0.57	< 0.48	< 0.57	< 0.48	< 0.51	< 0.51	< 0.61	< 0.71	< 0.57
Hexachlorobutadiene	1	< 0.18	< 0.13	< 0.18	< 0.13	< 0.14	< 0.14	< 0.19	< 0.22 R	< 0.18
Hexachlorocyclopentadiene	40	< 0.41	< 0.1	< 0.41	< 0.1	< 0.11	< 0.11	< 0.43	< 0.51	< 0.41
Hexachloroethane	7	< 0.28	< 0.16	< 0.28	< 0.16	< 0.17	< 0.17	< 0.3	< 0.35	< 0.28
Isophrone	40	< 0.59	< 0.49	< 0.59	< 0.49	< 0.52	< 0.53	< 0.63	< 0.74	< 0.59
Nitrobenzene	6	< 0.42	< 0.71	< 0.42	< 0.71	< 0.75	< 0.76	< 0.45	< 0.52	< 0.42
N-Nitroso-di-n-Propylamine	10	< 0.47	< 0.38	< 0.47	< 0.38	< 0.41	< 0.41	< 0.5	< 0.59	< 0.47
N-Nitrosodiphenylamine	10	< 0.52	1.4 J	< 0.52	1.8 J	1.3 J	1.3 J	< 0.55	< 0.65	< 0.52
Phenol	2000	< 0.5	< 0.68	< 0.5	< 0.68	< 0.73	< 0.73	< 0.53	< 0.62	< 0.5
Total TIC, Semi-Volatile	NS	37.9 J	231.9 J	0	36.7 J	148.1 J	165.7 J	0	0	0

Location		Groundwater Samples								
Sample Name		**RW-6**	**RW-6A**	**RW-7**	**SC-1**	**PMAIRSHAFT 180**	**PMAIRSHAFT 222**	**FIELDBLANK**	**FIELDBLANK**	**FIELDBLANK**
Sample Date	**GWQS[1]**	**10/11/2007**	**10/16/2007**	**10/15/2007**	**10/16/2007**	**10/17/2007**	**10/17/2007**	**10/8/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM										
Acenaphthene	400	< 0.017	< 0.017	< 0.017	< 0.017	< 0.02	< 0.02	< 0.018	< 0.021	< 0.019
Acenaphthylene	NS	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.011	< 0.011	< 0.01	< 0.012	< 0.01
Anthracene	2000	< 0.021	< 0.021	< 0.021	< 0.021	< 0.025	< 0.024	< 0.022	< 0.026	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.0068	< 0.0068	< 0.0068	< 0.0068	< 0.0081	< 0.0079	< 0.0072	< 0.0085	< 0.0074
Benzo(a)pyrene	0.1 [0.2]	< 0.017	< 0.017	< 0.017	< 0.017	< 0.02	< 0.02	< 0.018	< 0.021	< 0.018
Benzo(b)fluoranthene	0.2 [10]	< 0.036	< 0.036	< 0.036	< 0.036	< 0.043	< 0.042	< 0.039	< 0.045	< 0.039
Benzo(g,h,i)perylene	NS	< 0.018	< 0.018	< 0.018	< 0.018	< 0.021	< 0.021	< 0.019	< 0.022	< 0.019
Benzo(k)fluoranthene	0.5	< 0.016	< 0.016	< 0.016	< 0.016	< 0.019	< 0.018	< 0.017	< 0.02	< 0.017
Chyrsene	5	< 0.017	< 0.017	< 0.017	< 0.017	< 0.02	< 0.019	< 0.018	< 0.021	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.016	< 0.016	< 0.016	< 0.016	< 0.02	< 0.019	< 0.017	< 0.021	< 0.018
Fluoranthene	300	< 0.009	< 0.009	< 0.009	0.239	< 0.011	< 0.01	< 0.0096	< 0.011	< 0.0098
Fluorene	300	< 0.02	< 0.02	< 0.02	< 0.02	< 0.024	< 0.023	< 0.021	< 0.025	< 0.022
Hexachlorobenzene	0.02 [10]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.024*	< 0.023*	< 0.021*	< 0.025*	< 0.022*
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.011	< 0.011	< 0.011	< 0.011	< 0.013	< 0.013	< 0.012	< 0.014	< 0.012
Naphthalene	300	0.792	10.6	< 0.026	7	4.33	3.98	< 0.027	< 0.032	< 0.028
Pentachlorophenol	0.3 [1]	< 0.3 R	< 0.3	< 0.3	< 0.3	< 0.36*	< 0.35*	< 0.32* R	< 0.38* R	< 0.33*
Phenanthrene	NS	0.237	0.299	< 0.021	0.28	< 0.025	< 0.025	< 0.022	< 0.026	< 0.023
Pyrene	200	< 0.014	< 0.014	< 0.014	< 0.014	< 0.017	< 0.016	< 0.015	< 0.018	< 0.015
PCBs										
PCB 1016	0.5	< 0.094	< 0.1	< 0.094	< 0.094	< 0.098	< 0.1	< 0.094	< 0.094	< 0.099
PCB 1221	0.5	< 0.47	< 0.5	< 0.47	< 0.47	< 0.49	< 0.52	< 0.47	< 0.47	< 0.49
PCB 1232	0.5	< 0.39	< 0.41	< 0.39	< 0.39	< 0.41	< 0.43	< 0.39	< 0.39	< 0.41
PCB 1242	0.5	< 0.16	< 0.17	< 0.16	< 0.16	< 0.17	< 0.18	< 0.16	< 0.16	< 0.17
PCB 1248	0.5	< 0.15	< 0.16	< 0.15	< 0.15	< 0.16	< 0.17	< 0.15	< 0.15	< 0.16
PCB 1254	0.5	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11
PCB 1260	0.5	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0
Metals - Total										
Aluminum	200	< 26	< 26	**405**	< 26	37.2 B	< 26	< 26	< 26	< 26
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.1 B	1.6 B
Arsenic	3 [8]	2.5 B	< 1.1	< 1.1	< 1.1	< 1.1	1.4 B	< 1.1	< 1.1	< 1.1
Barium	2000	300	14.3 B	< 3	337	604	617	< 3	< 3	< 3
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Calcium	NS	62100	80700 J	11600	45000 J	100000 J	109000	< 22	23.5 B	24.6 B
Chromium	70	6.3 B	8.1 B	0.7 B	2.6 B	2.4 B	2.1 B	< 0.53	< 0.53	< 0.53
Cobalt	NS	15.9 B	12.6 B	0.7 BJ	4.4 B	4.9 B	4.7 B	< 0.15	< 0.15	< 0.15
Copper	1,300	< 3.3	4.5 B	23.2 B	6 B	< 3.3	< 3.3	4.2 B	< 3.3	< 3.3
Iron	300	**50800**	**11700 J**	**342**	**60800 J**	**152000**	**158000**	< 6.3 J	8.5 B	9.3 B
Lead	5	< 0.94	< 0.94	< 0.94	**8.8**	2.8 B	2.5 B	< 0.94	< 0.94	< 0.94
Magnesium	NS	9250	19100 J	3840 B	3930 BJ	10900 J	11700 J	< 25	< 25 J	< 25
Manganese	50	**5210**	**11200**	6.9 B	**655**	**2680**	**2580**	< 0.17 J	0.4 B	0.3 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	6.6 B	2.9 B	0.8 BJ	8.4 B	5.7 B	5.7 B	< 0.73	< 0.73	< 0.73
Potassium	NS	8270 B	12900 J	818 BJ	2170 B	6750 BJ	7210 B	< 31	< 31	< 31
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	2.4 B	5.1 B	< 0.73	1.1 B	2.3 B
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Sodium	50,000	7790 B	14700 J	3600 B	3620 BJ	27500 J	29300 J	< 19	54.3 BJ	49.1 B
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Vanadium	NS	1.4 B	1.1 B	< 0.49	2.7 B	4.5 B	3.7 B	< 0.49	< 0.49	< 0.49
Zinc	2000	< 2.7	4.5 BJ	10.8 BJ	80 J	10.7 B	7.2 B	5.1 B	8.9 B	4.4 B

Location		Groundwater Samples								
Sample Name		**RW-6**	**RW-6A**	**RW-7**	**SC-1**	**PMAIRSHAFT 180**	**PMAIRSHAFT 222**	**FIELDBLANK**	**FIELDBLANK**	**FIELDBLANK**
Sample Date	**GWQS[1]**	**10/11/2007**	**10/16/2007**	**10/15/2007**	**10/16/2007**	**10/17/2007**	**10/17/2007**	**10/8/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved										
Aluminum	200	< 26	< 26	47 B	< 26	< 26	< 26	NA	NA	NA
Antimony	6	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA	NA	NA
Arsenic	3 [8]	1.2 B	< 1.1	< 1.1	< 1.1	1.2 B	2 B	NA	NA	NA
Barium	2000	279	15 B	< 3	314	514	570	NA	NA	NA
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA
Cadmium	4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA
Calcium	NS	63000	80200 J	11900	43400 J	106000 J	104000	NA	NA	NA
Chromium	70	1.4 B	1.4 B	< 0.53	< 0.53	1.5 B	< 0.53	NA	NA	NA
Cobalt	NS	15 B	12.5 B	0.8 BJ	4.5 B	4.2 B	3.8 B	NA	NA	NA
Copper	1,300	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	NA	NA	NA
Iron	300	**29700**	**5520 J**	< 6.3	**45300 J**	**138000**	**142000**	NA	NA	NA
Lead	5	1.3 B	< 0.94	< 0.94	1.6 B	< 0.94	< 0.94	NA	NA	NA
Magnesium	NS	9450	18900 J	3870 B	3830 BJ	11200 J	12700 J	NA	NA	NA
Manganese	50	**5360**	**11100**	6 BJ	**630**	**2550**	**2750**	NA	NA	NA
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA
Nickel	100	6.1 B	3 B	1.6 BJ	11.7 B	5.4 B	5.2 B	NA	NA	NA
Potassium	NS	7850 B	13500 J	961 BJ	2090 B	7020 BJ	7890 B	NA	NA	NA
Selenium	40	< 0.73	< 0.73	< 0.73	2.4 B	2.3 B	2 B	NA	NA	NA
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	NA	NA	NA
Sodium	50,000	7740 B	15000 J	3870 B	3580 BJ	28900 J	32200 J	NA	NA	NA
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	NA
Vanadium	NS	< 0.49	< 0.49	< 0.49	< 0.49	0.5 B	< 0.49	NA	NA	NA
Zinc	2000	< 2.7	6.1 BJ	11 BJ	23.2 J	3.5 B	2.9 B	NA	NA	NA
Other										
Alkalinity, total (as CaCO3)	NS	275000	334000	42400	135000	519000	509000	NA	NA	NA
Nitrogen, Nitrate + Nitrite	NS	< 100	< 100	< 100	< 100	< 100	< 100	< 100	NA	NA
Phosphorus, Total	NS	150	< 50	< 50	800	460	920	NA	NA	NA
Chloride	250000	2500	2400	< 2000	< 2000	10100	10400	NA	NA	NA
Nitrate	10000	< 110	< 110	< 110	< 110	< 110	< 110	< 110	NA	NA
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Sulfate	250000	< 10000	23200	12000	< 10000	< 10000	< 10000	NA	NA	NA
Alkalinity, Bicarbonate	NS	275000	334000	42400	135000	519000	509000	NA	NA	NA
Alkalinity, Carbonate	NS	< 5000	139000	< 5000	155000	< 5000	< 5000	NA	NA	NA
Cyanide	100	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10

Location		Field Blanks								
Sample Name		**FIELD BLANK**	**FB**	**FIELD BLANK**	**FIELD BLANK**	**FIELD BLANK**	**FIELDBLANK**	**TRIP BLANK**	**TRIPBLANK**	**TRIPBLANK**
Sample Date	**GWQS[1]**	**10/11/2007**	**10/12/2007**	**10/12/2007**	**10/15/2007**	**10/16/2007**	**10/17/2007**	**10/8/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs										
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.43 J	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28 J	< 0.28	< 0.28 J	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0

Location		Field Blanks								
Sample Name		FIELD BLANK	FB	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELDBLANK	TRIP BLANK	TRIPBLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007	10/8/2007	10/9/2007	10/10/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs										
1,1'-Biphenyl	400	< 0.39	< 0.39	< 0.33	< 0.34	< 0.24	< 0.25	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2.3	< 2.3	< 1.9	< 2	< 1.2	< 1.2	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.5	< 1.5	< 1.3	< 1.3	< 1.1	< 1.1	NA	NA	NA
2,4-Dichlorophenol	20	< 1.9	< 1.9	< 1.6	< 1.6	< 1.5	< 1.6	NA	NA	NA
2,4-Dimethylphenol	100	< 2	< 2	< 1.6	< 1.7	< 1.8	< 1.8	NA	NA	NA
2,4-Dinitrophenol	40	< 1.1	< 1.1	< 0.89	< 0.92	< 1.2	< 1.2	NA	NA	NA
2,4-Dinitrotoluene	NS	< 1	< 1	< 0.86	< 0.89	< 0.58	< 0.6	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.67	< 0.67	< 0.56	< 0.58	< 0.54	< 0.56	NA	NA	NA
2-Chloronaphthalene	600	< 1.2	< 1.2	< 0.98	< 1	< 0.21	< 0.22	NA	NA	NA
2-Chlorophenol	40	< 1.1	< 1.1	< 0.95	< 0.98	< 0.94	< 0.97	NA	NA	NA
2-Methylnaphthalene	NS	< 0.49	< 0.49	< 0.41	< 0.42	< 0.82	< 0.85	NA	NA	NA
2-Methylphenol	NS	< 1.6	< 1.6	< 1.4	< 1.4	< 1.1	< 1.2	NA	NA	NA
2-Nitroaniline	NS	< 0.8	< 0.79	< 0.66	< 0.68	< 0.53	< 0.55	NA	NA	NA
2-Nitrophenol	NS	< 2.2	< 2.2	< 1.8	< 1.9	< 1.6	< 1.7	NA	NA	NA
3&4-Methylphenol	NS	< 1.5	< 1.5	< 1.3	< 1.3	< 1.2	< 1.2	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 1.5	< 1.5	< 1.2	< 1.3	< 1	< 1.1	NA	NA	NA
3-Nitroaniline	NS	< 1.5	< 1.5	< 1.3	< 1.3	< 0.35	< 0.36	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 0.87	< 0.86	< 0.72	< 0.74	< 2.4	< 2.5	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.36	< 0.36	< 0.3	< 0.31	< 0.4	< 0.41	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.4	< 1.4	< 1.2	< 1.2	< 1.3	< 1.3	NA	NA	NA
4-Chloroaniline	30	< 0.48	< 0.47	< 0.4	< 0.41	< 0.37	< 0.39	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.52	< 0.51	< 0.43	< 0.44	< 0.31	< 0.32	NA	NA	NA
4-Nitroaniline	NS	< 0.87	< 0.86	< 0.72	< 0.74	< 0.63	< 0.66	NA	NA	NA
4-Nitrophenol	NS	< 1	< 1	< 0.84	< 0.87	< 1.7	< 1.8	NA	NA	NA
Acetophenone	700	< 0.45	< 0.45	< 0.37	< 0.39	< 0.39	< 0.4	NA	NA	NA
Atrazine	3	< 0.2	< 0.19	< 0.16	< 0.17	< 0.3	< 0.31	NA	NA	NA
Benzaldehyde	NS	< 0.32	< 0.32	< 0.27	< 0.27	< 0.82	< 0.85	NA	NA	NA
Benzyl butyl phthalate	100	< 0.71	< 0.71	< 0.59	< 0.61	< 0.69	< 0.71	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.79	< 0.78	< 0.65	< 0.67	< 0.34	< 0.35	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.64	< 0.63	< 0.53	< 0.55	< 0.72	< 0.75	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.89	< 0.88	< 0.74	< 0.76	< 0.62	< 0.64	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.8	**5.4**	< 0.66	< 0.68	< 0.94	< 0.98	NA	NA	NA
Caprolactam	NS	< 0.38	< 0.38	< 0.32	< 0.32	< 0.53	< 0.55	NA	NA	NA
Carbazole	NS	< 0.44	< 0.43	< 0.36	< 0.38	< 0.43	< 0.44	NA	NA	NA
Dibenzofuran	NS	< 0.41	< 0.41	< 0.34	< 0.35	< 0.25	< 0.25	NA	NA	NA
Diethyl phthalate	6000	< 0.47	< 0.46	< 0.39	< 0.4	< 0.37	< 0.38	NA	NA	NA
Dimethyl phthalate	NS	< 0.4	< 0.39	< 0.33	< 0.34	< 0.36	< 0.37	NA	NA	NA
di-n-butyl phthalate	700	< 0.71	< 0.7	< 0.59	< 0.61	< 0.43	< 0.44	NA	NA	NA
di-n-octylphthalate	100	< 0.69	< 0.68	< 0.57	< 0.59	< 0.51	< 0.53	NA	NA	NA
Hexachlorobutadiene	1	< 0.21	< 0.21	< 0.18	< 0.18	< 0.14	< 0.14	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.49	< 0.48	< 0.41	< 0.42	< 0.11	< 0.11	NA	NA	NA
Hexachloroethane	7	< 0.34	< 0.34	< 0.28	< 0.29	< 0.17	< 0.18	NA	NA	NA
Isophrone	40	< 0.71	< 0.7	< 0.59	< 0.61	< 0.53	< 0.54	NA	NA	NA
Nitrobenzene	6	< 0.5	< 0.5	< 0.42	< 0.43	< 0.76	< 0.78	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.56	< 0.56	< 0.47	< 0.48	< 0.41	< 0.42	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.62	< 0.61	< 0.52	< 0.53	< 0.45	< 0.46	NA	NA	NA
Phenol	2000	< 0.6	< 0.59	< 0.5	< 0.51	< 0.73	< 0.76	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	0	0	0	0	NA	NA	NA

Location		Field Blanks								
Sample Name		FIELD BLANK	FB	FIELD BLANK	FIELD BLANK	FIELD BLANK	FIELDBLANK	TRIP BLANK	TRIPBLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007	10/8/2007	10/9/2007	10/10/2007
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM										
Acenaphthene	400	< 0.021	< 0.02	< 0.017	< 0.018	< 0.018	< 0.019	NA	NA	NA
Acenaphthylene	NS	< 0.011	< 0.011	< 0.0095	< 0.0098	< 0.01	< 0.011	NA	NA	NA
Anthracene	2000	< 0.025	< 0.025	< 0.021	< 0.022	< 0.022	< 0.023	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.0082	< 0.0081	< 0.0068	< 0.007	< 0.0073	< 0.0076	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.02	< 0.02	< 0.017	< 0.017	< 0.018	< 0.019	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.044	< 0.043	< 0.036	< 0.037	< 0.039	< 0.04	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.021	< 0.021	< 0.018	< 0.018	< 0.019	< 0.02	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.019	< 0.019	< 0.016	< 0.016	< 0.017	< 0.017	NA	NA	NA
Chyrsene	5	< 0.02	< 0.02	< 0.017	< 0.017	< 0.018	< 0.019	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.02	< 0.016	< 0.017	< 0.018	< 0.018	NA	NA	NA
Fluoranthene	300	< 0.011	< 0.011	< 0.009	< 0.0093	< 0.0097	< 0.01	NA	NA	NA
Fluorene	300	< 0.024	< 0.024	< 0.02	< 0.021	< 0.022	< 0.022	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.024*	< 0.024*	< 0.02	< 0.021*	< 0.022*	< 0.022*	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.013	< 0.013	< 0.011	< 0.011	< 0.012	< 0.012	NA	NA	NA
Naphthalene	300	< 0.031	< 0.031	< 0.026	< 0.027	< 0.028	< 0.029	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.36* R	< 0.36*	< 0.3	< 0.31*	< 0.32*	< 0.33*	NA	NA	NA
Phenanthrene	NS	< 0.025	< 0.025	< 0.021	< 0.022	< 0.023	< 0.023	NA	NA	NA
Pyrene	200	< 0.017	< 0.017	< 0.014	< 0.014	< 0.015	< 0.016	NA	NA	NA
PCBs										
PCB 1016	0.5	< 0.11	< 0.1	< 0.094	< 0.1	< 0.1	< 0.1	NA	NA	NA
PCB 1221	0.5	< 0.54	< 0.52	< 0.47	< 0.52	< 0.51	< 0.52	NA	NA	NA
PCB 1232	0.5	< 0.45	< 0.43	< 0.39	< 0.43	< 0.42	< 0.43	NA	NA	NA
PCB 1242	0.5	< 0.19	< 0.18	< 0.16	< 0.18	< 0.18	< 0.18	NA	NA	NA
PCB 1248	0.5	< 0.18	< 0.17	< 0.15	< 0.17	< 0.16	< 0.17	NA	NA	NA
PCB 1254	0.5	< 0.13	< 0.12	< 0.11	< 0.12	< 0.12	< 0.12	NA	NA	NA
PCB 1260	0.5	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.13	NA	NA	NA
Total PCBs	0.5	0	0	0	0	0	0	NA	NA	NA
Metals - Total										
Aluminum	200	< 26	47.7 B	< 26	< 26	< 26	< 26	NA	NA	NA
Antimony	6	1.3 B	1.8 B	< 5.7	< 0.9	1.3 B	1.2 B	NA	NA	NA
Arsenic	3 [8]	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	NA	NA
Barium	2000	< 3	< 3	< 3	< 3	< 3	< 3	NA	NA	NA
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA
Cadmium	4	< 0.24	0.3 B	< 0.24	< 0.24	< 0.24	< 0.24	NA	NA	NA
Calcium	NS	< 22	326 BJ	34.2 B	36.6 B	< 22	53.5 B	NA	NA	NA
Chromium	70	< 0.53	0.6 B	1.4 B	< 0.53	< 0.53	1.1 B	NA	NA	NA
Cobalt	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2 B	NA	NA	NA
Copper	1,300	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	NA	NA	NA
Iron	300	7.3 B	**394**	17 B	18.9 B	< 6.3	9.3 B	NA	NA	NA
Lead	5	< 0.94	2.8 B	< 0.94	< 0.94	1.3 B	< 0.94	NA	NA	NA
Magnesium	NS	< 25	84.1 B	< 25	< 25	< 25	< 25	NA	NA	NA
Manganese	50	0.4 B	3.4 B	0.2 B	0.6 B	0.2 B	0.3 B	NA	NA	NA
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA
Nickel	100	< 0.73	1 B	< 0.73	< 0.73	< 0.73	< 0.73	NA	NA	NA
Potassium	NS	< 31	< 31	< 31	< 31	< 31	< 31	NA	NA	NA
Selenium	40	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73	NA	NA	NA
Silver	40	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	NA	NA	NA
Sodium	50,000	< 19	543 BJ	40.3 B	< 19	< 19	22.1 B	NA	NA	NA
Thallium	2 [10]	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	NA
Vanadium	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	NA	NA	NA
Zinc	2000	6.3 B	186	5.9 B	3.2 B	< 2.7	2.8 B	NA	NA	NA

Location		Field Blanks								
Sample Name		**FIELD BLANK**	**FB**	**FIELD BLANK**	**FIELD BLANK**	**FIELD BLANK**	**FIELDBLANK**	**TRIP BLANK**	**TRIPBLANK**	**TRIPBLANK**
Sample Date	**GWQS[1]**	**10/11/2007**	**10/12/2007**	**10/12/2007**	**10/15/2007**	**10/16/2007**	**10/17/2007**	**10/8/2007**	**10/9/2007**	**10/10/2007**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved										
Aluminum	200	NA	< 26	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	< 0.9	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	< 1.1	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	< 3	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	< 0.15	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	< 0.24	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	364 BJ	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	< 0.53	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	< 0.15	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	< 3.3	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	23 B	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	< 0.94	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	77.6 B	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	1.9 B	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	< 0.15	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	< 0.73	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	< 31	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	< 0.73	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	< 0.83	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	700 BJ	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	< 1.4	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	< 0.49	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	192	NA	NA	NA	NA	NA	NA	NA
Other										
Alkalinity, total (as CaCO3)	NS	NA	< 5000	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	NS	NA	< 100	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	< 50	NA	NA	NA	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10000	NA	< 110	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	< 10	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA

Location		Trip Blanks				
Sample Name		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007
Validation Status		Final	Final	Final	Final	Final
VOCs						
1,1,1-Trichloroethane	30	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	3	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	50	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	9	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 0.8*	< 0.8*	< 0.8*	< 0.8*	< 0.8*
1,2-Dibromoethane	0.03 [0.5]	< 0.45*	< 0.45*	< 0.45*	< 0.45*	< 0.45*
1,2-Dichlorobenzene	600	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	600	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	75	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	300	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Bromodichloromethane	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Bromoform	4	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Bromomethane	10	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Carbon disulfide	700	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	1	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67
Chloroform	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	70	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	NS	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	1,000	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	700	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropylbenzene	700	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Methyl acetate	7000	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	70	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylene chloride	3	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	100	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	1	< 0.28 J	< 0.28 J	< 0.28	< 0.28	< 0.28
Toluene	1000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trans-1,2-dichloroethene	100	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Trichloroethene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	2000	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Vinyl Chloride	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Xylenes	1,000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0	0	0

Location		Trip Blanks				
Sample Name		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007
Validation Status		Final	Final	Final	Final	Final
SVOCs						
1,1'-Biphenyl	400	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA
Caprolactam	NS	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA
Diethyl phthalate	6000	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA	NA
Phenol	2000	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA	NA

Location		Trip Blanks				
Sample Name		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007
Validation Status		Final	Final	Final	Final	Final
SVOCs BY SIM						
Acenaphthene	400	NA	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA
Chyrsene	5	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA
PCBs						
PCB 1016	0.5	NA	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA	NA
Metals - Total						
Aluminum	200	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA

Location		Trip Blanks				
Sample Name		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIPBLANK
Sample Date	GWQS[1]	10/11/2007	10/12/2007	10/15/2007	10/16/2007	10/17/2007
Validation Status		Final	Final	Final	Final	Final
Metals - Dissolved						
Aluminum	200	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA
Other						
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	NS	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA	NA
Nitrate	10000	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA	NA
Cyanide	100	NA	NA	NA	NA	NA

Footnotes

Results are presented in microgram per liter (ug/L).

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
R	Rejected result.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		FBP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A
Sample ID	GWQS[1]	FBP(080430)	OB-1(080430)	OB-2(080428)	OB-3(080428)	OB-4(080428)	OB-5(080428)	OB-6(080501)	OB-7(080430)	OB-10(080429)	OB-12(080428)	OB-13(080428)	OB-14A(080430)
Sample Date		4/30/2008	4/30/2008	4/28/2008	4/28/2008	4/28/2008	4/28/2008	5/1/2008	4/30/2008	4/29/2008	4/28/2008	4/28/2008	4/30/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs													
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85 J	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88 J	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8 J	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	3.2	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	0.41 J
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25 J	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0

Sample Location		FBP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A
Sample ID	GWQS[1]	FBP(080430)	OB-1(080430)	OB-2(080428)	OB-3(080428)	OB-4(080428)	OB-5(080428)	OB-6(080501)	OB-7(080430)	OB-10(080429)	OB-12(080428)	OB-13(080428)	OB-14A(080430)
Sample Date		4/30/2008	4/30/2008	4/28/2008	4/28/2008	4/28/2008	4/28/2008	5/1/2008	4/30/2008	4/29/2008	4/28/2008	4/28/2008	4/30/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs													
1,1'-Biphenyl	400	< 0.22	< 0.24	< 0.22	< 0.24	< 0.22	< 0.25	< 0.24 J	< 0.23	< 0.22	< 0.23	< 0.25	< 0.23
2,4,5-Trichlorophenol	700	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.3	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1
2,4,6-Trichlorophenol	20	< 1	< 1.1	< 1	< 1.1	< 1	< 1.2	< 1.1 J	< 1.1	< 1	< 1.1	< 1.1	< 1
2,4-Dichlorophenol	20	< 1.4	< 1.5	< 1.4	< 1.5	< 1.4	< 1.6	< 1.5 J	< 1.5	< 1.4	< 1.5	< 1.6	< 1.4
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.9	< 1.8 J	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7
2,4-Dinitrophenol	40	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.3	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1
2,4-Dinitrotoluene	NS	< 0.54	< 0.59	< 0.54	< 0.59	< 0.54	< 0.63	< 0.59 J	< 0.57	< 0.54	< 0.57	< 0.6	< 0.56
2,6-Dinitrotoluene	NS	< 0.5	< 0.54	< 0.5	< 0.54	< 0.5	< 0.58	< 0.54 J	< 0.52	< 0.5	< 0.52	< 0.56	< 0.51
2-Chloronaphthalene	600	< 0.2	< 0.22	< 0.2	< 0.22	< 0.2	< 0.23	< 0.22 J	< 0.21	< 0.2	< 0.21	< 0.22	< 0.2
2-Chlorophenol	40	< 0.87	< 0.95	< 0.87	< 0.95	< 0.87	< 1	< 0.95 J	< 0.91	< 0.87	< 0.91	< 0.97	< 0.89
2-Methylnaphthalene	NS	< 0.76	< 0.83	< 0.76	< 0.83	< 0.76	< 0.88	< 0.83 J	< 0.8	< 0.76	< 0.8	< 0.85	< 0.78
2-Methylphenol	NS	< 1	< 1.1	< 1	< 1.1	< 1	< 1.2	< 1.1 J	< 1.1	< 1	< 1.1	< 1.2	< 1.1
2-Nitroaniline	NS	< 0.5	< 0.54	< 0.5	< 0.54	< 0.5	< 0.57	< 0.54 J	< 0.52	< 0.5	< 0.52	< 0.55	< 0.51
2-Nitrophenol	NS	< 1.5	< 1.6	< 1.5	< 1.6	< 1.5	< 1.7	< 1.6 J	< 1.6	< 1.5	< 1.6	< 1.7	< 1.5
3&4-Methylphenol	NS	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.3	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1
3,3'-Dichlorobenzidine	30	< 0.97	< 1.1	< 0.97	< 1.1	< 0.97	< 1.1	< 1.1 J	< 1	< 0.97	< 1	< 1.1	< 0.99
3-Nitroaniline	NS	< 0.32	< 0.35	< 0.32	< 0.35	< 0.32	< 0.37	< 0.35 J	< 0.34	< 0.32	< 0.34	< 0.36	< 0.33
4,6-Dinitro-2-methylphenol	NS	< 2.2	< 2.4	< 2.2	< 2.4	< 2.2	< 2.6	< 2.4 J	< 2.3	< 2.2	< 2.3	< 2.5	< 2.3
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.41	< 0.37	< 0.41	< 0.37	< 0.43	< 0.41 J	< 0.39	< 0.37	< 0.39	< 0.41	< 0.38
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.3	< 1.2	< 1.3	< 1.2	< 1.4	< 1.3 J	< 1.3	< 1.2	< 1.3	< 1.3	< 1.2
4-Chloroaniline	30	< 0.35	< 0.38	< 0.35	< 0.38	< 0.35	< 0.4	< 0.38 J	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36
4-Chlorophenyl phenyl ether	NS	< 0.29	< 0.32	< 0.29	< 0.32	< 0.29	< 0.33	< 0.32 J	< 0.3	< 0.29	< 0.3	< 0.32	< 0.3
4-Nitroaniline	NS	< 0.59	< 0.64	< 0.59	< 0.64	< 0.59	< 0.68	< 0.64 J	< 0.61	< 0.59	< 0.61	< 0.66	< 0.6
4-Nitrophenol	NS	< 1.6	< 1.7	< 1.6	< 1.7	< 1.6	< 1.8	< 1.7 J	< 1.6	< 1.6	< 1.6	< 1.8	< 1.6
Acetophenone	700	< 0.36	< 0.39	< 0.36	< 0.39	< 0.36	< 0.41	< 0.39 J	< 0.38	< 0.36	< 0.38	< 0.4	< 0.37
Atrazine	3	< 0.28	< 0.31	< 0.28	< 0.31	< 0.28	< 0.33	< 0.31 J	< 0.29	< 0.28	< 0.29	< 0.31	< 0.29
Benzaldehyde	NS	< 0.76	< 0.83	< 0.76	< 0.83	< 0.76	< 0.87	< 0.83 J	< 0.79	< 0.76	< 0.79	< 0.85	< 0.78
Benzyl butyl phthalate	100	< 0.64	< 0.69	< 0.64	< 0.69	< 0.64	< 0.73	< 0.69 J	< 0.66	< 0.64	< 0.66	< 0.71	< 0.65
bis(2-Chloroethoxy)methane	NS	< 0.32	< 0.35	< 0.32	< 0.35	< 0.32	< 0.37	< 0.35 J	< 0.33	< 0.32	< 0.33	< 0.35	< 0.32
bis(2-Chloroethyl)ether	7	< 0.67	< 0.73	< 0.67	< 0.73	< 0.67	< 0.77	< 0.73 J	< 0.7	< 0.67	< 0.7	< 0.75	< 0.69
bis(2-Chloroisopropyl)ether	300	< 0.58	< 0.63	< 0.58	< 0.63	< 0.58	< 0.66	< 0.63 J	< 0.6	< 0.58	< 0.6	< 0.64	< 0.59
bis(2-Ethylhexyl)phthalate	3	**26.4**	< 0.95	< 0.88	< 0.95	< 0.88	< 1	< 0.95 J	< 0.91	< 0.88	< 0.91	< 0.98	< 0.9
Caprolactam	NS	< 0.49	< 0.53	< 0.49	< 0.53	< 0.49	< 0.57	< 0.53 J	< 0.51	< 0.49	< 0.51	< 0.55	< 0.5
Carbazole	NS	< 0.4	< 0.43	< 0.4	< 0.43	< 0.4	< 0.46	< 0.43 J	< 0.41	< 0.4	< 0.41	< 0.44	0.54 J
Dibenzofuran	NS	< 0.23	< 0.25	< 0.23	< 0.25	< 0.23	< 0.26	< 0.25 J	< 0.24	< 0.23	< 0.24	< 0.25	< 0.23
Diethyl phthalate	6000	< 0.34	< 0.37	< 0.34	< 0.37	< 0.34	< 0.4	< 0.37 J	< 0.36	< 0.34	< 0.36	< 0.38	< 0.35
Dimethyl phthalate	NS	< 0.34	< 0.37	< 0.34	< 0.37	< 0.34	< 0.39	< 0.37 J	< 0.35	< 0.34	< 0.35	< 0.37	< 0.34
di-n-butyl phthalate	700	< 0.4	< 0.43	< 0.4	< 0.43	< 0.4	< 0.46	< 0.43 J	< 0.42	< 0.4	< 0.42	< 0.44	< 0.41
di-n-octylphthalate	100	< 0.48	< 0.52	< 0.48	< 0.52	< 0.48	< 0.55	< 0.52 J	< 0.5	< 0.48	< 0.5	< 0.53	< 0.49
Hexachlorobutadiene	1	< 0.13	< 0.14	< 0.13	< 0.14	< 0.13	< 0.15	< 0.14 J	< 0.13	< 0.13	< 0.13	< 0.14	< 0.13
Hexachlorocyclopentadiene	40	< 0.1	< 0.11	< 0.1	< 0.11	< 0.1	< 0.12	< 0.11 J	< 0.11	< 0.1	< 0.11	< 0.11	< 0.11
Hexachloroethane	7	< 0.16	< 0.18	< 0.16	< 0.18	< 0.16	< 0.19	< 0.18 J	< 0.17	< 0.16	< 0.17	< 0.18	< 0.16
Isophrone	40	< 0.49	< 0.53	< 0.49	< 0.53	< 0.49	< 0.56	< 0.53 J	< 0.51	< 0.49	< 0.51	< 0.54	< 0.5
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.71	< 0.77	< 0.71	< 0.77	< 0.71	< 0.81	< 0.77 J	< 0.73	< 0.71	< 0.73	< 0.78	< 0.72
N-Nitroso-di-n-Propylamine	10	< 0.38	< 0.42	< 0.38	< 0.42	< 0.38	< 0.44	< 0.42 J	< 0.4	< 0.38	< 0.4	< 0.42	< 0.39
N-Nitrosodiphenylamine	10	< 0.41	< 0.45	< 0.41	< 0.45	< 0.41	< 0.48	< 0.45 J	< 0.43	< 0.41	< 0.43	< 0.46	0.42 J
Phenol	2000	< 0.68	< 0.74	< 0.68	< 0.74	< 0.68	< 0.79	< 0.74 J	< 0.71	< 0.68	< 0.71	< 0.76	< 0.7
Total TIC, Semi-Volatile	NS	0	0	0	0	0	31 J	0	5.1 J	15 J	0	7.7 J	95.2 J

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		FBP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A
Sample ID	GWQS[1]	FBP(080430)	OB-1(080430)	OB-2(080428)	OB-3(080428)	OB-4(080428)	OB-5(080428)	OB-6(080501)	OB-7(080430)	OB-10(080429)	OB-12(080428)	OB-13(080428)	OB-14A(080430)
Sample Date		4/30/2008	4/30/2008	4/28/2008	4/28/2008	4/28/2008	4/28/2008	5/1/2008	4/30/2008	4/29/2008	4/28/2008	4/28/2008	4/30/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM													
Acenaphthene	400	< 0.016	< 0.017	< 0.016	< 0.017	< 0.016	< 0.018	< 0.018	< 0.017	< 0.016	< 0.017	< 0.018	< 0.016
Acenaphthylene	NS	< 0.007	< 0.0076	< 0.007	< 0.0076	< 0.007	< 0.008	< 0.0078	< 0.0073	< 0.007	< 0.0073	< 0.0078	< 0.0071
Anthracene	2000	< 0.021	< 0.023	< 0.021	< 0.023	< 0.021	< 0.024	< 0.023	< 0.022	< 0.021	< 0.022	< 0.023	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.037	< 0.034	< 0.037	< 0.034	< 0.039	< 0.037	< 0.035	< 0.034	< 0.035	< 0.037	< 0.034
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.039	< 0.036	< 0.039	< 0.036	< 0.041	< 0.039	< 0.037	< 0.036	< 0.037	< 0.039	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.02	< 0.019	< 0.018	< 0.017	< 0.018	< 0.019	< 0.017
Benzo(g,h,i)perylene	NS	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.013	< 0.013	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012
Benzo(k)fluoranthene	0.5	< 0.019	< 0.02	< 0.019	< 0.02	< 0.019	< 0.022	< 0.021	< 0.02	< 0.019	< 0.02	< 0.021	< 0.019
Chrysene	5	< 0.018	< 0.019	< 0.018	< 0.019	< 0.018	< 0.02	< 0.02	< 0.018	< 0.018	< 0.018	< 0.02	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.022	< 0.02	< 0.022	< 0.02	< 0.023	< 0.022	< 0.021	< 0.02	< 0.021	< 0.022	< 0.021
Fluoranthene	300	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.011	< 0.011	< 0.01	< 0.0096	< 0.01	< 0.011	< 0.0098
Fluorene	300	< 0.02	< 0.021	< 0.02	< 0.021	< 0.02	< 0.023	< 0.022	< 0.02	< 0.02	< 0.02	< 0.022	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.0099 J	< 0.011 J	< 0.0099	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.01 J	< 0.0099	< 0.01	< 0.011	< 0.01 J
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.016	< 0.014	< 0.016	< 0.014	< 0.017	< 0.016	< 0.015	< 0.014	< 0.015	< 0.016	< 0.015
Naphthalene	300	< 0.014	< 0.015	< 0.014	< 0.015	< 0.014	< 0.016	< 0.015	< 0.014	< 0.014	< 0.014	< 0.015	< 0.014
Pentachlorophenol	0.3 [1]	< 0.22 J	< 0.24 J	< 0.22	< 0.24	< 0.22	< 0.26	< 0.24 J	< 0.23 J	< 0.22	< 0.23	< 0.25	< 0.23 J
Phenanthrene	NS	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.02	< 0.019	< 0.018	< 0.017	< 0.018	< 0.019	< 0.017
Pyrene	200	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.014	< 0.013	< 0.013	< 0.012	< 0.013	< 0.013	< 0.012
PCBs													
PCB 1016	0.5	< 0.1	< 0.1	< 0.094	< 0.099	< 0.094	< 0.1	< 0.11	< 0.099	< 0.1	< 0.094	< 0.1	< 0.1
PCB 1221	0.5	< 0.5	< 0.5	< 0.47	< 0.49	< 0.47	< 0.5	< 0.53	< 0.49	< 0.51	< 0.47	< 0.52	< 0.51
PCB 1232	0.5	< 0.42	< 0.41	< 0.39	< 0.41	< 0.39	< 0.41	< 0.44	< 0.41	< 0.43	< 0.39	< 0.43	< 0.42
PCB 1242	0.5	< 0.18	< 0.17	< 0.16	< 0.17	< 0.16	< 0.17	< 0.19	< 0.17	< 0.18	< 0.16	< 0.18	< 0.18
PCB 1248	0.5	< 0.16	< 0.16	< 0.15	< 0.16	< 0.15	< 0.16	< 0.17	< 0.16	< 0.17	< 0.15	< 0.17	< 0.17
PCB 1254	0.5	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.12	< 0.12
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	24.3 B	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8 B	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**14.4**
Barium	2000	2.6 B	4.3 B	4.5 B	2.2 B	47.9 B	25.7 B	15.1 B	15.7 B	7.9 B	2.6 B	3.5 B	488
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	502 BJ	4060 BJ	10000	7290	48400	84200	28700	72000 J	13400	6860	5420	134000 J
Chromium	70	< 0.53	< 0.53	0.8 B	< 0.53	< 0.53	< 0.53	< 0.53	1.1 B	< 0.53	0.7 B	< 0.53	1.1 B
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	1.7 B	2.7 B	3 B	2.5 B	< 0.51	< 0.51	< 0.51	1.7 B
Copper	1,300	< 2.5	< 2.5	< 2.5 B	< 2.5 B	< 2.5 B	< 2.5 B	3.7 B	< 2.5	4.1 B	< 2.5 B	< 2.5	< 2.5
Iron	300	195	**649**	38.6 B	**1710**	**3770**	**29300**	**2210**	**4840**	298	67.4 B	40.4 B	**52500**
Lead	5	2 B	< 1.4	1.8 B	< 1.4	1.6 B	1.5 B	< 1.4	2.9 B	< 1.4	< 1.4	< 1.4	4
Magnesium	NS	83.2 BJ	1380 BJ	3740 B	2330 B	14300	43300	7080	28200 J	3930 B	2510 B	2270 B	14000 J
Manganese	50	2.2 BJ	2.6 BJ	1.3 B	10.2 B	**1840**	**2100**	**2160**	**2230 J**	25.1	1.9 B	0.8 B	**1870 J**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	1.2 B	< 1.2	2.6 B	< 1.2	< 1.2	< 1.2	< 1.2
Potassium	NS	86.5 B	379 B	1140 B	668 B	2170 B	3670 B	1680 B	2940 B	1160 B	481 B	711 B	8020 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	648 B	1610 B	3310 B	2500 B	**54300**	29500	29600	10700	3110 B	2060 B	2410 B	21500
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	0.6 B	0.5 B	< 0.43	< 0.43	0.6 B	0.5 B	< 0.43	0.5 B	0.7 B	0.7 B	< 0.43	2.5 B
Zinc	2000	135	< 4	5.6 B	< 4	4 B	9 B	< 4 B	< 4	< 4	5 B	< 4	< 4

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		FBP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A
Sample ID	GWQS[1]	FBP(080430)	OB-1(080430)	OB-2(080428)	OB-3(080428)	OB-4(080428)	OB-5(080428)	OB-6(080501)	OB-7(080430)	OB-10(080429)	OB-12(080428)	OB-13(080428)	OB-14A(080430)
Sample Date		4/30/2008	4/30/2008	4/28/2008	4/28/2008	4/28/2008	4/28/2008	5/1/2008	4/30/2008	4/29/2008	4/28/2008	4/28/2008	4/30/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved													
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	2 B	< 1.7	< 1.7	< 1.7	**3.8**
Barium	2000	3.8 B	5 B	4.1 B	2.3 B	45.5 B	18.7 B	14.7 B	14 B	6.5 B	2.7 B	3.1 B	362
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	0.3 B	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	793 BJ	3720 BJ	9400	7270	48700	85000	29100	70000 J	13600	7190	5540	132000 J
Chromium	70	< 0.53	0.6 B	< 0.53	< 0.53	< 0.53	0.6 B	< 0.53	0.6 B	0.6 B	0.6 B	< 0.53	1.8 B
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	1.4 B	2 B	3.1 B	1.8 B	< 0.51	< 0.51	< 0.51	0.9 B
Copper	1,300	6.4 B	< 2.5	< 2.5 B	< 2.5 B	< 2.5 B	< 2.5 B	< 2.5	< 2.5	8.1 B	< 2.5 B	< 2.5 B	< 2.5
Iron	300	12.1 B	12.5 B	8.8 B	91.1 B	11 B	**16300**	273	181	13.4 B	12 B	16.7 B	**18800**
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	1.4 B	1.9 B	1.9 B	< 1.4	< 1.4	< 1.4	2.7 B
Magnesium	NS	127 BJ	1250 BJ	3580 B	2290 B	14500	44200	7190	27600 J	4020 B	2630 B	2320 B	13900 J
Manganese	50	3.7 BJ	1.9 BJ	0.5 B	9.4 B	**1840**	**2110**	**2170**	**2120 J**	3 B	1.3 B	0.7 B	**1810 J**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	3.5 B	1.6 B	< 1.2	< 1.2	1.6 B	1.3 B	< 1.2	1.7 B	< 1.2	< 1.2	< 1.2	1.5 B
Potassium	NS	53.3 B	374 B	1080 B	650 B	2160 B	3710 B	1730 B	2870 B	1210 B	524 B	702 B	7990 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	942 B	1450 B	3100 B	2440 B	**55000**	29900	30100	10400	3170 B	2140 B	2450 B	21400
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	0.6 B	< 0.43	< 0.43	< 0.43	0.7 B	< 0.43	0.5 B	< 0.43	< 0.43	0.5 B	0.8 B
Zinc	2000	39.4	< 4	< 4	4.5 B	< 4	< 4	< 4	6.8 B	5.9 B	5.2 B	< 4	< 4
Other (mg/l)													
Alkalinity, Bicarbonate	NS	< 5	8.9	26.6	17.2	94.3	366	97.1	323	42.2	15	15	456
Alkalinity, Carbonate	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Alkalinity, total (as CaCO3)	NS	< 5	8.9	26.6	17.2	94.4	366	97.1	324	42.2	15	15	456
Cyanide	0.1	< 0.01 J	< 0.01 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01 J	< 0.01	< 0.01	< 0.01	< 0.01 J
Nitrogen, Nitrate + Nitrite	NS	< 0.1	< 0.1	0.73	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.22	< 0.1	< 0.1	< 0.1
Phosphorus, Total	NS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.26
Chloride	250	< 2	< 2	2.1	< 2	139	62.3	46.3	7.3	3	< 2	2.2	20.2
Nitrate	10	< 0.11	< 0.11	0.73	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.22	< 0.11	< 0.11	< 0.15
Nitrogen, Nitrite	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.05
Sulfate	250	< 10	< 10	14.3	11.2	28.3	< 10	11.9	< 10	< 10	14	< 10	< 10

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23
Sample ID	GWQS[1]	OB-14B(080430)	OB-15B(080502)	OB-16(080501)	OB-17(080501)	OB-18(080501)	OB-19(080429)	OB-20A(080429)	OB-20B(080429)	OB-21(080429)	OB-22(080501)	OB-23(080502)
Sample Date		4/30/2008	5/2/2008	5/1/2008	5/1/2008	5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	5/1/2008	5/2/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs												
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	0.57 J	< 0.16	< 0.16	0.63 J	0.4 J	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.56 J	< 0.26	**1.4**	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	1.5	< 0.22	2.1	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.59 J	< 0.15	1.4 J	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	0.49 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.25 J	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	0.81 J	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	3.2	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	0.81 J	< 0.39	3.2	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23
Sample ID	GWQS[1]	OB-14B(080430)	OB-15B(080502)	OB-16(080501)	OB-17(080501)	OB-18(080501)	OB-19(080429)	OB-20A(080429)	OB-20B(080429)	OB-21(080429)	OB-22(080501)	OB-23(080502)
Sample Date		4/30/2008	5/2/2008	5/1/2008	5/1/2008	5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	5/1/2008	5/2/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs												
1,1'-Biphenyl	400	< 0.23	< 0.25 J	< 0.23 J	< 0.24 J	< 0.24 J	< 0.24	< 0.24	< 0.22	< 0.28	< 0.25 J	< 0.24 J
2,4,5-Trichlorophenol	700	< 1.2	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2	< 1.2	< 1.1	< 1.4	< 1.2 J	< 1.2 J
2,4,6-Trichlorophenol	20	< 1.1	< 1.1 J	< 1.1 J	< 1.1 J	< 1.1 J	< 1.1	< 1.1	< 1	< 1.3	< 1.1 J	< 1.1 J
2,4-Dichlorophenol	20	< 1.5	< 1.6 J	< 1.5 J	< 1.5 J	< 1.5 J	< 1.5	< 1.5	< 1.4	< 1.8	< 1.6 J	< 1.5 J
2,4-Dimethylphenol	100	< 1.7	< 1.8 J	< 1.7 J	< 1.8 J	< 1.8 J	< 1.8	< 1.8	< 1.7	< 2.1	< 1.9 J	< 1.8 J
2,4-Dinitrophenol	40	< 1.2	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2	< 1.2	< 1.1	< 1.4	< 1.2 J	< 1.2 J
2,4-Dinitrotoluene	NS	< 0.57	< 0.6 J	< 0.57 J	< 0.58 J	< 0.58 J	< 0.59	< 0.58	< 0.54	< 0.68	< 0.61 J	< 0.59 J
2,6-Dinitrotoluene	NS	< 0.53	< 0.56 J	< 0.53 J	< 0.54 J	< 0.54 J	< 0.54	< 0.54	< 0.5	< 0.63	< 0.56 J	< 0.54 J
2-Chloronaphthalene	600	< 0.21	< 0.22 J	< 0.21 J	< 0.21 J	< 0.21 J	< 0.22	< 0.21	< 0.2	< 0.25	< 0.22 J	< 0.22 J
2-Chlorophenol	40	< 0.92	< 0.97 J	< 0.92 J	< 0.94 J	< 0.94 J	< 0.95	< 0.94	< 0.87	< 1.1	< 0.98 J	< 0.95 J
2-Methylnaphthalene	NS	< 0.8	< 0.85 J	< 0.8 J	< 0.82 J	< 0.82 J	< 0.83	< 0.82	< 0.76	< 0.96	< 0.86 J	< 0.83 J
2-Methylphenol	NS	< 1.1	< 1.2 J	< 1.1 J	< 1.1 J	< 1.1 J	< 1.1	< 1.1	< 1	< 1.3	< 1.2 J	< 1.1 J
2-Nitroaniline	NS	< 0.52	< 0.55 J	< 0.52 J	< 0.53 J	< 0.53 J	< 0.54	< 0.53	< 0.5	< 0.62	< 0.56 J	< 0.54 J
2-Nitrophenol	NS	< 1.6	< 1.7 J	< 1.6 J	< 1.6 J	< 1.6 J	< 1.6	< 1.6	< 1.5	< 1.9	< 1.7 J	< 1.6 J
3&4-Methylphenol	NS	< 1.2	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2 J	< 1.2	< 1.2	< 1.1	< 1.4	< 1.2 J	< 1.2 J
3,3'-Dichlorobenzidine	30	< 1	< 1.1 J	< 1 J	< 1 J	< 1 J	< 1.1	< 1	< 0.97	< 1.2	< 1.1 J	< 1.1 J
3-Nitroaniline	NS	< 0.34	< 0.36 J	< 0.34 J	< 0.35 J	< 0.35 J	< 0.35	< 0.35	< 0.32	< 0.41	< 0.36 J	< 0.35 J
4,6-Dinitro-2-methylphenol	NS	< 2.3	< 2.5 J	< 2.3 J	< 2.4 J	< 2.4 J	< 2.4	< 2.4	< 2.2	< 2.8	< 2.5 J	< 2.4 J
4-Bromophenyl phenyl ether	NS	< 0.39	< 0.41 J	< 0.39 J	< 0.4 J	< 0.4 J	< 0.41	< 0.4	< 0.37	< 0.47	< 0.42 J	< 0.41 J
4-Chloro-3-Methylphenol	NS	< 1.3	< 1.3 J	< 1.3 J	< 1.3 J	< 1.3 J	< 1.3	< 1.3	< 1.2	< 1.5	< 1.4 J	< 1.3 J
4-Chloroaniline	30	< 0.37	< 0.39 J	< 0.37 J	< 0.37 J	< 0.37 J	< 0.38	< 0.37	< 0.35	< 0.44	< 0.39 J	< 0.38 J
4-Chlorophenyl phenyl ether	NS	< 0.31	< 0.32 J	< 0.31 J	< 0.31 J	< 0.31 J	< 0.32	< 0.31	< 0.29	< 0.36	< 0.33 J	< 0.32 J
4-Nitroaniline	NS	< 0.62	< 0.66 J	< 0.62 J	< 0.63 J	< 0.63 J	< 0.64	< 0.63	< 0.59	< 0.74	< 0.66 J	< 0.64 J
4-Nitrophenol	NS	< 1.7	< 1.8 J	< 1.7 J	< 1.7 J	< 1.7 J	< 1.7	< 1.7	< 1.6	< 2	< 1.8 J	< 1.7 J
Acetophenone	700	< 0.38	< 0.4 J	< 0.38 J	< 0.39 J	< 0.39 J	< 0.39	< 0.39	< 0.36	< 0.45	< 0.41 J	< 0.39 J
Atrazine	3	< 0.3	< 0.31 J	< 0.3 J	< 0.3 J	< 0.3 J	< 0.31	< 0.3	< 0.28	< 0.35	< 0.32 J	< 0.31 J
Benzaldehyde	NS	< 0.8	< 0.85 J	< 0.8 J	< 0.82 J	< 0.82 J	< 0.83	< 0.82	< 0.76	< 0.95	< 0.86 J	< 0.83 J
Benzyl butyl phthalate	100	< 0.67	< 0.71 J	< 0.67 J	< 0.69 J	< 0.69 J	< 0.69	< 0.69	< 0.64	< 0.8	< 0.72 J	< 0.69 J
bis(2-Chloroethoxy)methane	NS	< 0.33	< 0.35 J	< 0.33 J	< 0.34 J	< 0.34 J	< 0.35	< 0.34	< 0.32	< 0.4	< 0.36 J	< 0.35 J
bis(2-Chloroethyl)ether	7	< 0.71	< 0.75 J	< 0.71 J	< 0.72 J	< 0.72 J	< 0.73	< 0.72	< 0.67	< 0.84	< 0.76 J	< 0.73 J
bis(2-Chloroisopropyl)ether	300	< 0.61	< 0.64 J	< 0.61 J	< 0.62 J	< 0.62 J	< 0.63	< 0.62	< 0.58	< 0.72	< 0.65 J	< 0.63 J
bis(2-Ethylhexyl)phthalate	3	< 0.92	< 2.3 BJ	< 0.92 J	< 0.94 BJ	< 0.94 BJ	< 0.95	< 0.94 J	< 0.88	< 1.1 J	< 0.99 J	< 0.95 J
Caprolactam	NS	< 0.52	< 0.55 J	< 0.52 J	< 0.53 J	< 0.53 J	< 0.53	< 0.53	< 0.49	< 0.62	< 0.55 J	< 0.53 J
Carbazole	NS	< 0.42	< 0.44 J	< 0.42 J	< 0.43 J	< 0.43 J	< 0.43	< 0.43	< 0.4	< 0.5	< 0.45 J	0.59 J
Dibenzofuran	NS	< 0.24	< 0.25 J	< 0.24 J	< 0.25 J	< 0.25 J	< 0.25	< 0.25	< 0.23	< 0.29	< 0.26 J	< 0.25 J
Diethyl phthalate	6000	< 0.36	< 0.38 J	< 0.36 J	< 0.37 J	< 0.37 J	< 0.37	< 0.37	< 0.34	< 0.43	< 0.39 J	< 0.37 J
Dimethyl phthalate	NS	< 0.35	< 0.37 J	< 0.35 J	< 0.36 J	< 0.36 J	< 0.37	< 0.36	< 0.34	< 0.42	< 0.38 J	< 0.37 J
di-n-butyl phthalate	700	< 0.42	< 0.44 J	< 0.42 J	< 0.43 J	< 0.43 J	< 0.43	< 0.43	< 0.4	< 0.5	< 0.45 J	< 0.43 J
di-n-octylphthalate	100	< 0.5	< 0.53 J	< 0.5 J	< 0.51 J	< 0.51 J	< 0.52	< 0.51	< 0.48	< 0.6	< 0.54 J	< 0.52 J
Hexachlorobutadiene	1	< 0.13	< 0.14 J	< 0.13 J	< 0.14 J	< 0.14 J	< 0.14	< 0.14	< 0.13	< 0.16	< 0.14 J	< 0.14 J
Hexachlorocyclopentadiene	40	< 0.11	< 0.11 J	< 0.11 J	< 0.11 J	< 0.11 J	< 0.11	< 0.11	< 0.1	< 0.13	< 0.12 J	< 0.11 J
Hexachloroethane	7	< 0.17	< 0.18 J	< 0.17 J	< 0.17 J	< 0.17 J	< 0.18	< 0.17	< 0.16	< 0.2	< 0.18 J	< 0.18 J
Isophrone	40	< 0.51	< 0.54 J	< 0.51 J	< 0.53 J	< 0.53 J	< 0.53	< 0.53	< 0.49	< 0.61	< 0.55 J	< 0.53 J
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.74	< 0.78 J	< 0.74 J	< 0.76 J	< 0.76 J	< 0.77	< 0.76	< 0.71	< 0.88	< 0.79 J	< 0.77 J
N-Nitroso-di-n-Propylamine	10	< 0.4	< 0.42 J	< 0.4 J	< 0.41 J	< 0.41 J	< 0.42	< 0.41	< 0.38	< 0.48	< 0.43 J	< 0.42 J
N-Nitrosodiphenylamine	10	< 0.44	< 0.46 J	< 0.44 J	< 0.45 J	< 0.45 J	< 0.45	< 0.45	0.6 J	< 0.52	< 0.47 J	< 0.45 J
Phenol	2000	< 0.72	< 0.76 J	< 0.72 J	< 0.73 J	< 0.73 J	< 0.74	< 0.73	< 0.68	< 0.85	< 0.77 J	< 0.74 J
Total TIC, Semi-Volatile	NS	0	0	0	17.7 J	0	0	13 J	11.3 J	0	0	99.9 J

Sample Location		OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23
Sample ID	GWQS[1]	OB-14B(080430)	OB-15B(080502)	OB-16(080501)	OB-17(080501)	OB-18(080501)	OB-19(080429)	OB-20A(080429)	OB-20B(080429)	OB-21(080429)	OB-22(080501)	OB-23(080502)
Sample Date		4/30/2008	5/2/2008	5/1/2008	5/1/2008	5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	5/1/2008	5/2/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM												
Acenaphthene	400	< 0.017	< 0.018 J	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.016	< 0.02	< 0.018	0.414
Acenaphthylene	NS	< 0.0074	< 0.0078 J	< 0.0074	< 0.0075	< 0.0075	< 0.0076	< 0.0075	< 0.007	< 0.0088	< 0.0079	< 0.0076
Anthracene	2000	< 0.022	< 0.023 J	< 0.022	< 0.023	< 0.023	< 0.023	< 0.023	< 0.021	< 0.026	< 0.024	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.035	< 0.037 J	< 0.035	< 0.036	< 0.036	< 0.037	< 0.036	< 0.034	< 0.042	< 0.038	< 0.037
Benzo(a)pyrene	0.1 [0.2]	< 0.037	< 0.039 J	< 0.037	< 0.038	< 0.038	< 0.039	< 0.038	< 0.036	< 0.044	< 0.04	< 0.039
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.019 J	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017	< 0.021	< 0.019	< 0.018
Benzo(g,h,i)perylene	NS	< 0.012	< 0.013 J	< 0.012	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012	< 0.015	< 0.013	< 0.013
Benzo(k)fluoranthene	0.5	< 0.02	< 0.021 J	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.019	< 0.024	< 0.021	< 0.02
Chrysene	5	< 0.019	< 0.02 J	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.018	< 0.022	< 0.02	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.021	< 0.022 J	< 0.021	< 0.022	< 0.022	< 0.022	< 0.022	< 0.02	< 0.025	< 0.023	< 0.022
Fluoranthene	300	< 0.01	< 0.011 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.012	< 0.011	< 0.01
Fluorene	300	< 0.021	< 0.022 J	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.02	< 0.025	< 0.022	0.347
Hexachlorobenzene	0.02 [10]	< 0.01 J	< 0.011 J	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.0099	< 0.012	< 0.011	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.015	< 0.016 J	< 0.015	< 0.015	< 0.015	< 0.016	< 0.015	< 0.014	< 0.018	< 0.016	< 0.016
Naphthalene	300	< 0.015	< 0.015 J	< 0.015	< 0.015	< 0.015	0.264	< 0.015	0.355	< 0.017	< 0.016	< 0.015
Pentachlorophenol	0.3 [1]	< 0.23 J	< 0.25 J	< 0.23	< 0.24	< 0.24	< 0.24	< 0.24	< 0.22	< 0.28	< 0.25	< 0.24
Phenanthrene	NS	< 0.018	< 0.019 J	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017	< 0.021	< 0.019	< 0.018
Pyrene	200	< 0.013	< 0.013 J	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012	< 0.015	< 0.014	< 0.013
PCBs												
PCB 1016	0.5	< 0.1	< 0.1	< 0.099	< 0.099	< 0.099	< 0.094	< 0.1	< 0.1	< 0.094	< 0.1	< 0.1
PCB 1221	0.5	< 0.51	< 0.5	< 0.5	< 0.49	< 0.49	< 0.47	< 0.52	< 0.52	< 0.47	< 0.52	< 0.5
PCB 1232	0.5	< 0.42	< 0.41	< 0.41	< 0.41	< 0.41	< 0.39	< 0.43	< 0.43	< 0.39	< 0.43	< 0.41
PCB 1242	0.5	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.16	< 0.18	< 0.18	< 0.16	< 0.18	< 0.17
PCB 1248	0.5	< 0.17	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.17	< 0.17	< 0.15	< 0.17	< 0.16
PCB 1254	0.5	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.11	< 0.12	< 0.12
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0
Metals - Total												
Aluminum	200	80.9 B	**425**	< 24	< 24	< 24	48.1 B	**216**	101 B	**1820**	**1560**	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8 B
Arsenic	3 [8]	2.1 B	< 1.7	**4.6**	< 1.7	< 1.7	< 1.7	**3.7**	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	46.3 B	19.9 B	81 B	9.6 B	6.5 B	64.2 B	91.9 B	52.4 B	13.6 B	17.3 B	499
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.4 B	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	101000 J	24300	138000	65300	45100	9740	23500	41300	8840	36200	127000
Chromium	70	1.2 B	1.1 B	< 0.53	0.8 B	0.9 B	0.7 B	1.1 B	< 0.53	2.8 B	2.3 B	1.3 B
Cobalt	NS	< 0.51	< 0.51	1.8 B	1 B	< 0.51	0.7 B	3.4 B	19 B	1.2 B	0.6 B	2.9 B
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	8.1 B	5.6 B	6.1 B	28.6	< 2.5	4.3 B
Iron	300	**890**	**507**	**11100**	**1570**	18.1 B	**10100**	**28200**	**26400**	**2520**	**1600**	**7760**
Lead	5	3.2	2.6 B	3.7	2.3 B	< 1.4	1.4 B	2.1 B	3.8	2.1 B	2.3 B	2.5 B
Magnesium	NS	28500 J	6110	21500	22400	9630	1600 B	2600 B	8100	3380 B	7860	16600
Manganese	50	**1740 J**	**2370**	**2860**	**472**	0.8 B	**180**	**885**	**6800**	**113**	39.4	**1130**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 1.2	5.5 B	< 1.2	< 1.2	< 1.2	1.3 B	2.5 B	3.6 B	4.2 B	2.3 B	5.3 B
Potassium	NS	3250 B	863 B	8980 B	682 B	< 48 B	717 B	1700 B	2530 B	1200 B	1470 B	14300
Selenium	40	1.6 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	22400	4200 B	26800	12200	6090 B	2160 B	2390 B	4370 B	2700 B	14300	**368000**
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	0.8 B	1.8 B	< 0.43	< 0.43	< 0.43	1.5 B	1.9 B	1.9 B	3.5 B	2.4 B	< 0.43
Zinc	2000	< 4	< 4	< 4	< 4 B	< 4	22.7	17.4 B	10.2 B	12.1 B	< 4 B	63.7

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-14B	OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23
Sample ID	GWQS[1]	OB-14B(080430)	OB-15B(080502)	OB-16(080501)	OB-17(080501)	OB-18(080501)	OB-19(080429)	OB-20A(080429)	OB-20B(080429)	OB-21(080429)	OB-22(080501)	OB-23(080502)
Sample Date		4/30/2008	5/2/2008	5/1/2008	5/1/2008	5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	5/1/2008	5/2/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved												
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8 B
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	43.7 B	NA	64.2 B	8.9 B	6.5 B	60.6 B	75.7 B	39.8 B	3.8 B	8.7 B	414
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.3 B	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	98900 J	22400	134000	65100	45200	9580	22300	39400	9280	36000	124000
Chromium	70	0.7 B	< 0.53	< 0.53	1 B	1.2 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	0.8 B
Cobalt	NS	< 0.51	< 0.51	1.7 B	1.1 B	< 0.51	0.9 B	3 B	17.9 B	< 0.51	< 0.51	2.9 B
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	4.2 B	4.5 B	3.1 B	< 2.5	3.5 B
Iron	300	38.2 B	8.4 B	**912**	200	< 7.4	**1790**	**9240**	**19600**	28.9 B	15 B	**401**
Lead	5	2.1 B	2.1 B	1.6 B	2.4 B	1.8 B	< 1.4	1.8 B	2.4 B	< 1.4	< 1.4	< 1.4
Magnesium	NS	27800 J	5620	20800	22200	9650	1610 B	2420 B	7760	3080 B	6870	16300
Manganese	50	**1690 J**	**51.3**	**2740**	**463**	0.5 B	**177**	**857**	**6480**	2.7 B	2.4 B	**1120**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	0.17 B	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	1.6 B	< 1.2	< 1.2	< 1.2	< 1.2	1.5 B	3.3 B	4.3 B	< 1.2	< 1.2	4.8 B
Potassium	NS	3190 B	719 B	8890 B	682 B	< 48 B	677 B	1550 B	2370 B	730 B	955 B	14000
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	22000	3940 B	26500	12200	6150 B	2150 B	2240 B	4190 B	2750 B	14000	**343000**
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	0.6 B	< 0.43	< 0.43	< 0.43	< 0.43	0.5 B	0.8 B	0.5 B	< 0.43	< 0.43
Zinc	2000	< 4	NA	< 4	< 4	< 4	15.5 B	10.9 B	< 4	< 4	< 4	52.9
Other (mg/l)												
Alkalinity, Bicarbonate	NS	355	72.3	414	224	151	30.5	72.7	159	31.1	50.5	977
Alkalinity, Carbonate	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Alkalinity, total (as CaCO3)	NS	355	72.7	414	224	151	30.5	72.7	159	31.1	50.5	979
Cyanide	0.1	< 0.01 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Nitrogen, Nitrate + Nitrite	NS	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phosphorus, Total	NS	< 0.05	0.09	0.13	< 0.05	< 0.05	0.052	0.12	0.25	< 0.05	< 0.05	0.098
Chloride	250	40.9	< 2	42.4	7.7	< 2	< 2	< 2	< 2	< 2	54	72.6
Nitrate	10	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Nitrogen, Nitrite	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.013
Sulfate	250	18.3	15.4	21.2	32.4	13.9	< 10	< 10	< 10	< 10	21.9	35

Sample Location		OB-24	OB-24	OB-25	OB-26	Peter's Mine Shaft	Peter's Mine Shaft	RW-1	RW-1	RW-1	RW-1
Sample ID	GWQS[1]	OB-24(080430)	DUP-02(080430) (OB-24)	OB-25(080429)	OB-26(080509)	PMPAS-180(080507)	PMPAS-230(080507)	RW1(11-31)	RW-1(126-146)	RW1(59-79)	RW-1(98-118)
Sample Date		4/30/2008	4/30/2008	4/29/2008	5/9/2008	5/7/2008	5/7/2008	5/6/2008	5/7/2008	5/6/2008	5/7/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs											
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	1.5	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	1.4	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	**31.8**	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	8.1	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	21.1	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12 J	< 0.12 J	< 0.12	< 0.12 J	< 0.12	< 0.12 J
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15	0.94 J	14	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	0.27 J	< 0.14	0.25 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.7 J	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	1.1	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	10.8	5.6	3.5	8.1
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	4.7	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	5.8	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	14 J	0	0	0	0

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-24	OB-24	OB-25	OB-26	Peter's Mine Shaft	Peter's Mine Shaft	RW-1	RW-1	RW-1	RW-1
Sample ID	GWQS[1]	OB-24(080430)	DUP-02(080430) (OB-24)	OB-25(080429)	OB-26(080509)	PMPAS-180(080507)	PMPAS-230(080507)	RW1(11-31)	RW-1(126-146)	RW1(59-79)	RW-1(98-118)
Sample Date		4/30/2008	4/30/2008	4/29/2008	5/9/2008	5/7/2008	5/7/2008	5/6/2008	5/7/2008	5/6/2008	5/7/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs											
1,1'-Biphenyl	400	< 0.22	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2,4,5-Trichlorophenol	700	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2,4,6-Trichlorophenol	20	< 1	< 1.1	< 1.1	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	20	< 1.4	< 1.5	< 1.5	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
2,4-Dimethylphenol	100	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	40	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2,4-Dinitrotoluene	NS	< 0.54	< 0.57	< 0.57	< 0.57	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
2,6-Dinitrotoluene	NS	< 0.5	< 0.53	< 0.53	< 0.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Chloronaphthalene	600	< 0.2	< 0.21	< 0.21	< 0.21	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	40	< 0.87	< 0.92	< 0.92	< 0.91	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
2-Methylnaphthalene	NS	< 0.76	< 0.8	< 0.8	< 0.8	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
2-Methylphenol	NS	< 1	< 1.1	< 1.1	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	NS	< 0.5	< 0.52	< 0.52	< 0.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Nitrophenol	NS	< 1.5	< 1.6	< 1.6	< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
3&4-Methylphenol	NS	< 1.1	< 1.2	< 1.2	< 1.1 J	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
3,3'-Dichlorobenzidine	30	< 0.97	< 1	< 1	< 1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
3-Nitroaniline	NS	< 0.32	< 0.34	< 0.34	< 0.34	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
4,6-Dinitro-2-methylphenol	NS	< 2.2	< 2.3	< 2.3	< 2.3	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.39	< 0.39	< 0.39	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.3	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Chloroaniline	30	< 0.35	< 0.37	< 0.37	< 0.36	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
4-Chlorophenyl phenyl ether	NS	< 0.29	< 0.31	< 0.31	< 0.3	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
4-Nitroaniline	NS	< 0.59	< 0.62	< 0.62	< 0.61	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
4-Nitrophenol	NS	< 1.6	< 1.7	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Acetophenone	700	< 0.36	< 0.38	< 0.38	< 0.38	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Atrazine	3	< 0.28	< 0.3	< 0.3	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Benzaldehyde	NS	< 0.76	< 0.8	< 0.8	< 0.79 R	< 0.76 J	< 0.76 J	< 0.76 R	< 0.76 J	< 0.76 R	< 0.76 J
Benzyl butyl phthalate	100	< 0.64	< 0.67	< 0.67	< 0.66	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64	< 0.64
bis(2-Chloroethoxy)methane	NS	< 0.32	< 0.33	< 0.33	< 0.33	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
bis(2-Chloroethyl)ether	7	< 0.67	< 0.71	< 0.71	< 0.7	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67
bis(2-Chloroisopropyl)ether	300	< 0.58	< 0.61	< 0.61	< 0.6	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
bis(2-Ethylhexyl)phthalate	3	< 0.88	< 0.92	< 0.92 J	< 0.91	< 0.88	< 0.88	< 0.88	< 0.88	1.1 J	1.3 J
Caprolactam	NS	< 0.49	< 0.52	< 0.52	< 0.51	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Carbazole	NS	< 0.4	< 0.42	< 0.42	< 0.41	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Dibenzofuran	NS	< 0.23	< 0.24	< 0.24	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Diethyl phthalate	6000	< 0.34	< 0.36	< 0.36	< 0.36	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Dimethyl phthalate	NS	< 0.34	< 0.35	< 0.35	< 0.35	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
di-n-butyl phthalate	700	< 0.4	< 0.42	< 0.42	< 0.42	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
di-n-octylphthalate	100	< 0.48	< 0.5	< 0.5	< 0.5	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48
Hexachlorobutadiene	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
Hexachlorocyclopentadiene	40	< 0.1	< 0.11	< 0.11	< 0.11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachloroethane	7	< 0.16	< 0.17	< 0.17	< 0.17	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Isophrone	40	< 0.49	< 0.51	< 0.51	< 0.51	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.71	< 0.74	< 0.74	< 0.73	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
N-Nitroso-di-n-Propylamine	10	< 0.38	< 0.4	< 0.4	< 0.4	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
N-Nitrosodiphenylamine	10	< 0.41	< 0.44	< 0.44	< 0.43	< 0.41	0.97 J	< 0.41	< 0.41	< 0.41	< 0.41
Phenol	2000	< 0.68	< 0.72	< 0.72	< 0.71	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68	< 0.68
Total TIC, Semi-Volatile	NS	0	0	0	0	0	126.2 J	0	0	0	0

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-24	OB-24	OB-25	OB-26	Peter's Mine Shaft	Peter's Mine Shaft	RW-1	RW-1	RW-1	RW-1
Sample ID	GWQS[1]	OB-24(080430)	DUP-02(080430) (OB-24)	OB-25(080429)	OB-26(080509)	PMPAS-180(080507)	PMPAS-230(080507)	RW1(11-31)	RW-1(126-146)	RW1(59-79)	RW-1(98-118)
Sample Date		4/30/2008	4/30/2008	4/29/2008	5/9/2008	5/7/2008	5/7/2008	5/6/2008	5/7/2008	5/6/2008	5/7/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM											
Acenaphthene	400	< 0.016	< 0.017	< 0.017	< 0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Acenaphthylene	NS	< 0.007	< 0.0074	< 0.0074	< 0.0073	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Anthracene	2000	< 0.021	< 0.022	< 0.022	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.035	< 0.035	< 0.035	< 0.034 R	< 0.034 R	< 0.034	< 0.034 R	< 0.034	< 0.034 R
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.037	< 0.037	< 0.037	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.018	< 0.018	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.019	< 0.02	< 0.02	< 0.02	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019
Chrysene	5	< 0.018	< 0.019	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.021	< 0.021	< 0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	300	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Fluorene	300	< 0.02	< 0.021	< 0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.0099 J	< 0.01 J	< 0.01	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.015	< 0.015	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014
Naphthalene	300	< 0.014	< 0.015	< 0.015	< 0.014	0.293	3.2	< 0.014	< 0.014	< 0.014	< 0.014
Pentachlorophenol	0.3 [1]	< 0.22 J	< 0.23 J	< 0.23	< 0.23	< 0.22 R	< 0.22 R	< 0.22	< 0.22 R	< 0.22	< 0.22 R
Phenanthrene	NS	< 0.017	< 0.018	< 0.018	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Pyrene	200	< 0.012	< 0.013	< 0.013	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
PCBs											
PCB 1016	0.5	< 0.096	< 0.1	< 0.1	< 0.094	< 0.1	< 0.098	< 0.094	< 0.1	< 0.096	< 0.1
PCB 1221	0.5	< 0.48	< 0.5	< 0.51	< 0.47	< 0.52	< 0.49	< 0.47	< 0.5	< 0.48	< 0.5
PCB 1232	0.5	< 0.4	< 0.41	< 0.42	< 0.39	< 0.43	< 0.41	< 0.39	< 0.41	< 0.4	< 0.41
PCB 1242	0.5	< 0.17	< 0.17	< 0.18	< 0.16	< 0.18	< 0.17	< 0.16	< 0.17	< 0.17	< 0.17
PCB 1248	0.5	< 0.16	< 0.16	< 0.16	< 0.15	< 0.17	< 0.16	< 0.15	< 0.16	< 0.16	< 0.16
PCB 1254	0.5	< 0.11	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12
PCB 1260	0.5	< 0.12	< 0.12	< 0.13	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0
Metals - Total											
Aluminum	200	< 24	< 24	**8080**	**914**	< 24	< 24	**694**	< 24	93.7 B	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	1.7 B	< 1.7	2.1 B	< 1.7 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	33.7 B	35 B	60.6 B	17 B	18.7 B	586	17.7 B	3.6 B	6.6 B	2.3 B
Beryllium	1	< 0.15	< 0.15	0.4 B	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	84800 J	87900 J	50400	6190	4610 B	102000	3490 B	27500	17600	26800
Chromium	70	2.5 B	1.1 B	9.4 B	< 1.3 B	< 1.4 B	< 2.5 B	3.1 B	< 0.9 B	0.9 B	< 0.8 B
Cobalt	NS	< 0.51	< 0.51	5.2 B	< 0.51	< 0.51	3.3 B	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	< 2.5	43.4	7.1 B	< 2.5	< 2.5	13.5 B	3.7 B	< 2.5	< 2.5
Iron	300	287 J	223 J	**11000**	**894**	**339**	**148000**	**699**	85.9 B	150	32.7 B
Lead	5	1.5 B	1.6 B	**13.8**	1.7 B	< 1.4	**6.4**	3.4	2.1 B	2 B	< 1.4
Magnesium	NS	21000 J	21700 J	11300	2070 B	1140 B	11500	1470 B	4250 B	3840 B	4190 B
Manganese	50	**262 J**	**272 J**	**321**	**124**	19.2	**2490**	24.9	23.4	6.9 B	2.1 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	1.5 B	< 1.2	12.8 B	1.8 B	1.4 B	4.9 B	15.4 B	1.8 B	5.7 B	1.8 B
Potassium	NS	2200 B	2270 B	8200 B	856 B	341 B	6680 B	449 B	751 B	795 B	718 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 2.9 B	< 1.6 J	< 2.1 B	2.2 B	< 1.9 B
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	13200	13700	43300	2100 B	1800 B	25600	1600 B	4850 B	3280 B	4640 B
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	1 B	1.2 B	13 B	1.8 B	< 0.43	4.1 B	0.6 B	0.7 B	0.6 B	0.6 B
Zinc	2000	< 4	< 4	61.4	< 12 B	13.9 B	< 4	451	108	213	90.1

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		OB-24	OB-24	OB-25	OB-26	Peter's Mine Shaft	Peter's Mine Shaft	RW-1	RW-1	RW-1	RW-1
Sample ID	GWQS[1]	OB-24(080430)	DUP-02(080430) (OB-24)	OB-25(080429)	OB-26(080509)	PMPAS-180(080507)	PMPAS-230(080507)	RW1(11-31)	RW-1(126-146)	RW1(59-79)	RW-1(98-118)
Sample Date		4/30/2008	4/30/2008	4/29/2008	5/9/2008	5/7/2008	5/7/2008	5/6/2008	5/7/2008	5/6/2008	5/7/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved											
Aluminum	200	< 24	< 24	< 24	32.3 B	< 24	< 24	28.6 B	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	1.7 B	< 1.7	< 1.7 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	33.8 B	32.7 B	25.6 B	12.3 B	17.9 B	500	6.3 B	3.6 B	6.1 B	2.9 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	85400 J	82700 J	53700	5970	4600 B	101000	3360 B	27500	17000	27500
Chromium	70	1 B	1.2 B	1.2 B	< 0.53	< 0.53	< 3.9 B	< 0.53	< 0.53	< 0.53	< 0.53
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	3 B	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	< 2.5	5.1 B	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	2.5 B	< 2.5
Iron	300	89.3 BJ	< 7.4 J	51.3 B	< 36.9 B	72.1 B	**132000**	< 7.4	28 B	38.6 B	12.8 B
Lead	5	< 1.4	< 1.4	< 1.4	1.5 B	< 1.4	**5.4**	1.5 B	2.2 B	2.2 B	< 1.4
Magnesium	NS	21100 J	20400 J	9940	1860 B	1160 B	11300	1380 B	4210 B	3710 B	4290 B
Manganese	50	**242 J**	**238 J**	3.8 B	**97.2**	9.8 B	**2460**	6.1 B	22	3.4 B	2.2 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 1.2	< 1.2	2.5 B	< 1.2	< 1.2	8.5 B	6.2 B	1.7 B	5.3 B	1.4 B
Potassium	NS	2190 B	2180 B	8080 B	723 B	324 B	6610 B	372 B	746 B	769 B	724 B
Selenium	40	< 1.6	1.7 B	< 1.6	2.2 B	< 1.6	< 2.6 B	1.8 BJ	< 3.6 B	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	13400	13000	46500	2090 B	1850 B	25500	1530 B	4890 B	3120 B	4750 B
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	1 B	0.7 B	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	0.7 B	< 0.43	0.7 B
Zinc	2000	< 4	< 4	10.1 B	< 8.8 B	13.6 B	< 4	339	101	199	104
Other (mg/l)											
Alkalinity, Bicarbonate	NS	226	222	134	12.8	10.2	478	7.8	79.2	50	78
Alkalinity, Carbonate	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Alkalinity, total (as CaCO3)	NS	226	222	136	12.8	10.2	479	7.8	79.7	50	78.8
Cyanide	0.1	< 0.01 J	< 0.01 J	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Nitrogen, Nitrate + Nitrite	NS	0.79	0.68	0.25	0.27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phosphorus, Total	NS	< 0.05	< 0.05	0.066	< 0.05	0.071	0.15	< 0.05	< 0.05	< 0.05	< 0.05
Chloride	250	77.2	76.8	94.2	< 2	< 2	10.1	< 2	3.9	4.9	4
Nitrate	10	0.79	0.68	0.25	0.27	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Nitrogen, Nitrite	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulfate	250	26.8	26.6	25.2	11	< 10	< 10	< 10	20.9	12.8	19.7

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		RW-1	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	DUP-03(080507) (RW-1(98-118))	RW-2 (442-472)	RW-2(103-133)	RW-2(20-50)	RW-3(62-98)	RW-4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-4(57-77)	RW-5(080502)	RW-SA(080429)
Sample Date		5/7/2008	5/5/2008	5/1/2008	5/1/2008	4/30/2008	4/29/2008	4/29/2008	4/29/2008	4/28/2008	5/2/2008	4/29/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs												
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	< 0.16	0.45 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	14.6
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.89 J	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.32 J
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	17.8	< 0.22
Chloroform	70	< 0.16	< 0.16	1.7	1.9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	6.9	12.5	72.4	28.5	3.1	7.8	2.2	1.4	24.9	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0

Sample Location		RW-1	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	DUP-03(080507) (RW-1(98-118))	RW-2 (442-472)	RW-2(103-133)	RW-2(20-50)	RW-3(62-98)	RW-4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-4(57-77)	RW-5(080502)	RW-SA(080429)
Sample Date		5/7/2008	5/5/2008	5/1/2008	5/1/2008	4/30/2008	4/29/2008	4/29/2008	4/29/2008	4/28/2008	5/2/2008	4/29/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs												
1,1'-Biphenyl	400	< 0.22	< 0.25	< 0.23 J	< 0.24 J	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22	< 0.23 J	< 0.24
2,4,5-Trichlorophenol	700	< 1.1	< 1.2	< 1.1 J	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2 J	< 1.2
2,4,6-Trichlorophenol	20	< 1	< 1.1	< 1 J	< 1.1 J	< 1	< 1.1	< 1	< 1.1	< 1	< 1.1 J	< 1.1
2,4-Dichlorophenol	20	< 1.4	< 1.6	< 1.4 J	< 1.5 J	< 1.4	< 1.5	< 1.4	< 1.5	< 1.4	< 1.5 J	< 1.5
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.7 J	< 1.8 J	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7 J	< 1.8
2,4-Dinitrophenol	40	< 1.1	< 1.2	< 1.1 J	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2 J	< 1.2
2,4-Dinitrotoluene	NS	< 0.54	< 0.6	< 0.56 J	< 0.58 J	< 0.54	< 0.57	< 0.54	< 0.57	< 0.54	< 0.57 J	< 0.6
2,6-Dinitrotoluene	NS	< 0.5	< 0.56	< 0.51 J	< 0.54 J	< 0.5	< 0.52	< 0.5	< 0.53	< 0.5	< 0.53 J	< 0.55
2-Chloronaphthalene	600	< 0.2	< 0.22	< 0.2 J	< 0.21 J	< 0.2	< 0.21	< 0.2	< 0.21	< 0.2	< 0.21 J	< 0.22
2-Chlorophenol	40	< 0.87	< 0.97	< 0.89 J	< 0.94 J	< 0.87	< 0.91	< 0.87	< 0.92	< 0.87	< 0.92 J	< 0.96
2-Methylnaphthalene	NS	< 0.76	< 0.85	< 0.78 J	< 0.82 J	< 0.76	< 0.8	< 0.76	< 0.8	< 0.76	< 0.8 J	< 0.84
2-Methylphenol	NS	< 1	< 1.2	< 1.1 J	< 1.1 J	< 1	< 1.1	< 1	< 1.1	< 1	< 1.1 J	< 1.1
2-Nitroaniline	NS	< 0.5	< 0.55	< 0.51 J	< 0.53 J	< 0.5	< 0.52	< 0.5	< 0.52	< 0.5	< 0.52 J	< 0.55
2-Nitrophenol	NS	< 1.5	< 1.7	< 1.5 J	< 1.6 J	< 1.5	< 1.6	< 1.5	< 1.6	< 1.5	< 1.6 J	< 1.6
3&4-Methylphenol	NS	< 1.1	< 1.2	< 1.1 J	< 1.2 J	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2 J	< 1.2
3,3'-Dichlorobenzidine	30	< 0.97	< 1.1	< 0.99 J	< 1 J	< 0.97	< 1	< 0.97	< 1	< 0.97	< 1 J	< 1.1
3-Nitroaniline	NS	< 0.32	< 0.36	< 0.33 J	< 0.35 J	< 0.32	< 0.34	< 0.32	< 0.34	< 0.32	< 0.34 J	< 0.36
4,6-Dinitro-2-methylphenol	NS	< 2.2	< 2.5	< 2.3 J	< 2.4 J	< 2.2	< 2.3	< 2.2	< 2.3	< 2.2	< 2.3 J	< 2.5
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.41	< 0.38 J	< 0.4 J	< 0.37	< 0.39	< 0.37	< 0.39	< 0.37	< 0.39 J	< 0.41
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.3	< 1.2 J	< 1.3 J	< 1.2	< 1.3	< 1.2	< 1.3	< 1.2	< 1.3 J	< 1.3
4-Chloroaniline	30	< 0.35	< 0.39 R	< 0.36 J	< 0.37 J	< 0.35	< 0.36	< 0.35	< 0.37	< 0.35	< 0.37 J	< 0.38
4-Chlorophenyl phenyl ether	NS	< 0.29	< 0.32	< 0.3 J	< 0.31 J	< 0.29	< 0.3	< 0.29	< 0.31	< 0.29	< 0.31 J	< 0.32
4-Nitroaniline	NS	< 0.59	< 0.66	< 0.6 J	< 0.63 J	< 0.59	< 0.61	< 0.59	< 0.62	< 0.59	< 0.62 J	< 0.65
4-Nitrophenol	NS	< 1.6	< 1.8	< 1.6 J	< 1.7 J	< 1.6	< 1.6	< 1.6	< 1.7	< 1.6	< 1.7 J	< 1.7
Acetophenone	700	< 0.36	< 0.4	< 0.37 J	< 0.39 J	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.38 J	0.47 J
Atrazine	3	< 0.28	< 0.31	< 0.29 J	< 0.3 J	< 0.28	< 0.29	< 0.28	< 0.3	< 0.28	< 0.3 J	< 0.31
Benzaldehyde	NS	< 0.76 J	< 0.85 J	< 0.78 J	< 0.82 J	< 0.76	< 0.79	< 0.76	< 0.8	< 0.76	< 0.8 J	< 0.84
Benzyl butyl phthalate	100	< 0.64	< 0.71	< 0.65 J	< 0.69 J	< 0.64	< 0.66	< 0.64	< 0.67	< 0.64	< 0.67 J	< 0.7
bis(2-Chloroethoxy)methane	NS	< 0.32	< 0.35	< 0.32 J	< 0.34 J	< 0.32	< 0.33	< 0.32	< 0.33	< 0.32	< 0.33 J	< 0.35
bis(2-Chloroethyl)ether	7	< 0.67	< 0.75	< 0.69 J	< 0.72 J	< 0.67	< 0.7	< 0.67	< 0.71	< 0.67	< 0.71 J	< 0.74
bis(2-Chloroisopropyl)ether	300	< 0.58	< 0.64	< 0.59 J	< 0.62 J	< 0.58	< 0.6	< 0.58	< 0.61	< 0.58	< 0.61 J	< 0.64
bis(2-Ethylhexyl)phthalate	3	**3.7**	< 5.3 B	< 6.6 BJ	< 5 BJ	< 0.88	< 0.91	< 0.88 J	< 0.92 J	2	< 0.92 J	< 0.96
Caprolactam	NS	< 0.49	< 0.55	< 0.5 J	< 0.53 J	< 0.49	< 0.51	< 0.49	< 0.52	< 0.49	< 0.52 J	< 0.54
Carbazole	NS	< 0.4	< 0.44	< 0.41 J	< 0.43 J	< 0.4	< 0.41	< 0.4	< 0.42	< 0.4	< 0.42 J	< 0.44
Dibenzofuran	NS	< 0.23	< 0.25	< 0.23 J	< 0.25 J	< 0.23	< 0.24	< 0.23	< 0.24	< 0.23	< 0.24 J	< 0.25
Diethyl phthalate	6000	< 0.34	< 0.38	< 0.35 J	< 0.37 J	< 0.34	< 0.36	< 0.34	< 0.36	< 0.34	< 0.36 J	< 0.38
Dimethyl phthalate	NS	< 0.34	< 0.37	< 0.34 J	< 0.36 J	< 0.34	< 0.35	< 0.34	< 0.35	< 0.34	< 0.35 J	< 0.37
di-n-butyl phthalate	700	< 0.4	< 0.44	< 0.41 J	< 0.43 J	< 0.4	< 0.42	< 0.4	< 0.42	< 0.4	< 0.42 J	< 0.44
di-n-octylphthalate	100	< 0.48	< 0.53	< 0.49 J	< 0.51 J	< 0.48	< 0.5	< 0.48	< 0.5	< 0.48	< 0.5 J	< 0.53
Hexachlorobutadiene	1	< 0.13	< 0.14	< 0.13 J	< 0.14 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13 J	< 0.14
Hexachlorocyclopentadiene	40	< 0.1	< 0.11	< 0.11 J	< 0.11 J	< 0.1	< 0.11	< 0.1	< 0.11	< 0.1	< 0.11 J	< 0.11
Hexachloroethane	7	< 0.16	< 0.18	< 0.16 J	< 0.17 J	< 0.16	< 0.17	< 0.16	< 0.17	< 0.16	< 0.17 J	< 0.18
Isophrone	40	< 0.49	< 0.54	< 0.5 J	< 0.53 J	< 0.49	< 0.51	< 0.49	< 0.51	< 0.49	< 0.51 J	< 0.54
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.71	< 0.78	< 0.72 J	< 0.76 J	< 0.71	< 0.73	< 0.71	< 0.74	< 0.71	< 0.74 J	< 0.77
N-Nitroso-di-n-Propylamine	10	< 0.38	< 0.42	< 0.39 J	< 0.41 J	< 0.38	< 0.4	< 0.38	< 0.4	< 0.38	< 0.4 J	< 0.42
N-Nitrosodiphenylamine	10	< 0.41	< 0.46	< 0.42 J	< 0.45 J	< 0.41	< 0.43	< 0.41	< 0.44	< 0.41	< 0.44 J	< 0.45
Phenol	2000	< 0.68	< 0.76	< 0.7 J	< 0.73 J	< 0.68	< 0.71	< 0.68	< 0.72	< 0.68	< 0.72 J	< 0.75
Total TIC, Semi-Volatile	NS	0	4.7 J	0	0	0	4.9 J	4.1 J	9.5 J	31 J	0	0

Sample Location		RW-1	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	DUP-03(080507) (RW-1(98-118))	RW-2 (442-472)	RW-2(103-133)	RW-2(20-50)	RW-3(62-98)	RW-4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-4(57-77)	RW-5(080502)	RW-SA(080429)
Sample Date		5/7/2008	5/5/2008	5/1/2008	5/1/2008	4/30/2008	4/29/2008	4/29/2008	4/29/2008	4/28/2008	5/2/2008	4/29/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM												
Acenaphthene	400	< 0.016	< 0.016	< 0.016	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017	< 0.016	< 0.017	< 0.018
Acenaphthylene	NS	< 0.007	< 0.007	< 0.0071	< 0.0075	< 0.007	< 0.0073	< 0.007	< 0.0074	< 0.007	< 0.0075	< 0.0077
Anthracene	2000	< 0.021	< 0.021	< 0.021	< 0.023	< 0.021	< 0.022	< 0.021	< 0.022	< 0.021	< 0.023	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.034 R	< 0.034 J	< 0.034	< 0.036	< 0.034	< 0.035	< 0.034	< 0.035	< 0.034	< 0.036	< 0.037
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.036	< 0.036	< 0.038	< 0.036	< 0.037	< 0.036	< 0.037	< 0.036	< 0.038	< 0.039
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.017	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.018	< 0.019
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.013	< 0.013
Benzo(k)fluoranthene	0.5	< 0.019	< 0.019	< 0.019	< 0.02	< 0.019	< 0.02	< 0.019	< 0.02	< 0.019	< 0.02	< 0.021
Chrysene	5	< 0.018	< 0.018	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	< 0.019	< 0.018	< 0.019	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.02	< 0.021	< 0.022	< 0.02	< 0.021	< 0.02	< 0.021	< 0.02	< 0.022	< 0.022
Fluoranthene	300	< 0.0096	< 0.0096	< 0.0098	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.011
Fluorene	300	< 0.02	< 0.02	< 0.02	< 0.021	< 0.02	< 0.02	< 0.02	< 0.021	< 0.02	< 0.021	< 0.022
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.0099	< 0.01	< 0.011	< 0.0099 J	< 0.01	< 0.0099	< 0.01	< 0.0099	< 0.011	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015	< 0.014	< 0.015	< 0.014	< 0.015	< 0.016
Naphthalene	300	< 0.014	< 0.249 B	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014	< 0.015	< 0.014	< 0.015	< 0.015
Pentachlorophenol	0.3 [1]	< 0.22 R	< 0.22	< 0.23	< 0.24	< 0.22 J	< 0.23	< 0.22	< 0.23	< 0.22	< 0.23 J	< 0.25
Phenanthrene	NS	< 0.017	< 0.017	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.018	< 0.017	< 0.018	< 0.019
Pyrene	200	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.013	< 0.013
PCBs												
PCB 1016	0.5	< 0.1	NA	< 0.094	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.1	< 0.094
PCB 1221	0.5	< 0.52	NA	< 0.47	< 0.52	< 0.51	< 0.51	< 0.5	< 0.51	< 0.49	< 0.5	< 0.47
PCB 1232	0.5	< 0.43	NA	< 0.39	< 0.43	< 0.42	< 0.42	< 0.42	< 0.42	< 0.41	< 0.41	< 0.39
PCB 1242	0.5	< 0.18	NA	< 0.16	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.16
PCB 1248	0.5	< 0.17	NA	< 0.15	< 0.17	< 0.17	< 0.16	< 0.16	< 0.17	< 0.16	< 0.16	< 0.15
PCB 1254	0.5	< 0.12	NA	< 0.11	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11
PCB 1260	0.5	< 0.13	NA	< 0.12	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12
Total PCBs	0.5	0	NA	0	0	0	0	0	0	0	0	0
Metals - Total												
Aluminum	200	38.8 B	**420**	109 B	**979**	**280**	< 24	< 24	< 24	58.5 B	< 24	**834**
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8 B	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**4.1**	**8.6**
Barium	2000	2.6 B	125 B	65.3 B	60.8 B	42.9 B	14 B	8.5 B	8 B	7.8 B	29 B	13.1 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	0.9 B	< 0.28
Calcium	NS	27500	158000 J	73000	60400	50300 J	13500	10500	11000	10000	74200	12400
Chromium	70	< 1.2 B	< 20.8	2.2 B	3.1 B	1.9 B	1 B	0.8 B	1.1 B	2.6 B	1.1 B	2.2 B
Cobalt	NS	< 0.51	4.1 B	1.3 B	1.4 B	0.7 B	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	0.6 B
Copper	1,300	< 2.5	21 B	11.6 B	6.1 B	11.3 B	5.5 B	5.1 B	6.1 B	< 2.5 B	< 2.5	27.2
Iron	300	97.9 B	**2150**	**655**	**2710**	**1520**	**602**	**316**	**1170**	**1180**	**15200**	**704**
Lead	5	1.9 B	**22.2**	**5.4**	4.3	4.7	3.1	2.5 B	3.3	3.4	< 1.4	2.9 B
Magnesium	NS	4320 B	45400	25200	22300	14900 J	5190	4160 B	4340 B	3920 B	18300	1820 B
Manganese	50	6.7 B	**1570**	**442**	**369**	**149 J**	5.8 B	1.8 B	5.3 B	17.2	**4890**	**123**
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	2.6 B	< 40.9 B	4.7 B	4.6 B	2 B	6.6 B	< 1.2	< 1.2	3 B	1.8 B	3.8 B
Potassium	NS	718 B	4110 B	2480 B	2490 B	2070 B	1250 B	1060 B	1100 B	1140 B	5970 B	67700
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.7 B	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	4810 B	**257000**	**120000**	**120000**	7020 B	5670 B	5370 B	5570 B	5450 B	17000	**63100**
Thallium	2 [10]	< 1.3	1.8 B	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	1 B	3.3 B	0.6 B	5.2 B	1.4 B	0.7 B	0.5 B	0.9 B	0.9 B	0.8 B	9.2 B
Zinc	2000	99.8	**10700**	1700	499	172	373	306	707	872	59.5	13.5 B

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		RW-1	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	DUP-03(080507) (RW-1(98-118))	RW-2 (442-472)	RW-2(103-133)	RW-2(20-50)	RW-3(62-98)	RW-4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-4(57-77)	RW-5(080502)	RW-SA(080429)
Sample Date		5/7/2008	5/5/2008	5/1/2008	5/1/2008	4/30/2008	4/29/2008	4/29/2008	4/29/2008	4/28/2008	5/2/2008	4/29/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved												
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24	66.8 B
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8 B	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**11.8**
Barium	2000	2.4 B	111 B	60.9 B	56.6 B	36.9 B	14.6 B	9.6 B	7.3 B	7.6 B	21.2 B	8.7 B
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	0.3 B	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	0.8 B	< 0.28
Calcium	NS	27100	151000	71300	59400	48200 J	13100	10600	10400	9760	72600	11500
Chromium	70	< 0.6 B	< 1.8 B	0.9 B	1.1 B	< 0.53	< 0.53	< 0.53	< 0.53	1 B	< 0.53	0.8 B
Cobalt	NS	< 0.51	0.9 B	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	4.4 B	5.3 B	2.8 B	< 2.5	5.3 B	3.5 B	4.9 B	< 2.5 B	< 2.5	18.8 B
Iron	300	11.6 B	< 9.7 B	19.3 B	37.1 B	42.1 B	11.3 B	9.7 B	12 B	54.1 B	**1210**	50.6 B
Lead	5	2.6 B	3.9	2.1 B	2.9 B	2.3 B	< 1.4	1.8 B	< 1.4	< 1.4	< 1.4	2.5 B
Magnesium	NS	4250 B	43000	24500	21200	14200 J	5080	4230 B	4100 B	3880 B	18000	904 B
Manganese	50	1.7 B	< 731 B	**164**	**275**	**116 J**	4.5 B	1.1 B	2 B	12.5 B	**4720**	7.2 B
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	1.6 B	31.8 B	4.1 B	3 B	< 1.2	< 1.2	< 1.2	< 1.2	2.5 B	1.9 B	3 B
Potassium	NS	698 B	3890 B	2410 B	2310 B	1930 B	1200 B	1090 B	1070 B	1110 B	5890 B	68800
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.4 B	< 1.6
Silver	40	< 1	1.5 B	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	4710 B	**248000**	**119000**	**118000**	6810 B	5590 B	5450 B	5350 B	5390 B	16800	**64400**
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	< 0.43	< 0.43	< 0.43	0.5 B	0.8 B	0.7 B	0.6 B	< 0.43	< 0.43	9.4 B
Zinc	2000	86.8	**10200**	1580	472	136	382	290	651	815	< 4	8 B
Other (mg/l)												
Alkalinity, Bicarbonate	NS	78.5	NA	89.9	75.4	145	48.2	41.5	39.9	39.4	266	33
Alkalinity, Carbonate	NS	< 5	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	160
Alkalinity, total (as CaCO3)	NS	79.1	NA	89.9	75.5	145	48.3	41.6	40	39.4	266	222
Cyanide	0.1	< 0.01	NA	< 0.01	< 0.01	< 0.01 J	< 0.01	< 0.01	< 0.01	0.014	< 0.01	< 0.01
Nitrogen, Nitrate + Nitrite	NS	< 0.1	NA	3.6	3.5	0.65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phosphorus, Total	NS	< 0.05	NA	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.057
Chloride	250	4.1	NA	**280**	**272**	20	2.7	< 2	< 2	< 2	2.3	3
Nitrate	10	< 0.11	NA	3.6	3.5	0.65	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Nitrogen, Nitrite	1	< 0.01	NA	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulfate	250	19.9	NA	22.6	22.2	13.8	17.5	15.3	15.3	14.6	45.5	32.3

Sample Location		RW-6	RW-6A	RW-7	SC-01	SC-01	SC-02	Field Blank	Field Blank	Field Blank	Field Blank
Sample ID	GWQS[1]	RW-6(080502)	RW-6A(080502)	RW-7 (080505)	SC-1(080430)	DUP-01(080430) (SC-1)	SC-2 (080505)	FIELDBLANK(080428)	FIELDBLANK(080429)	FIELDBLANK(080430)	FIELD BLANK(080501)
Sample Date		5/2/2008	5/2/2008	5/5/2008	4/30/2008	4/30/2008	5/5/2008	4/28/2008	4/29/2008	4/30/2008	5/1/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs											
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	0.89 J	0.67 J	< 0.16	0.42 J	0.38 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	**1.7**	**1.7**	< 0.26	**1.1**	0.93 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18 J	< 0.18	< 0.18	< 0.18 J	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	7.9	1.9	< 0.22	1	0.9 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	1.6 J	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	6.5	5.5	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	0.56 J	1.9 J	< 0.15	2	1.9 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	2 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	5.8	5.2	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	0.93 J	0.84 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	1.8	< 0.39	34.8	30.2	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	1.8	< 0.39	40.7	35.4	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	39.8 J	0	53.7 J	38 J	0	0	0	0	0

Sample Location		RW-6	RW-6A	RW-7	SC-01	SC-01	SC-02	Field Blank	Field Blank	Field Blank	Field Blank
Sample ID	GWQS[1]	RW-6(080502)	RW-6A(080502)	RW-7 (080505)	SC-1(080430)	DUP-01(080430) (SC-1)	SC-2 (080505)	FIELDBLANK(080428)	FIELDBLANK(080429)	FIELDBLANK(080430)	FIELD BLANK(080501)
Sample Date		5/2/2008	5/2/2008	5/5/2008	4/30/2008	4/30/2008	5/5/2008	4/28/2008	4/29/2008	4/30/2008	5/1/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs											
1,1'-Biphenyl	400	< 0.24 J	< 0.22 J	< 0.25	< 0.22	< 0.22	< 0.25	< 0.22	< 0.23	< 0.23	< 0.24 J
2,4,5-Trichlorophenol	700	< 1.2 J	< 1.1 J	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2 J
2,4,6-Trichlorophenol	20	< 1.1 J	< 1 J	< 1.1	< 1	< 1	< 1.1	< 1	< 1	< 1.1	< 1.1 J
2,4-Dichlorophenol	20	< 1.5 J	< 1.4 J	< 1.6	< 1.4	< 1.4	< 1.6	< 1.4	< 1.4	< 1.5	< 1.5 J
2,4-Dimethylphenol	100	< 1.8 J	< 1.7 J	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8 J
2,4-Dinitrophenol	40	< 1.2 J	< 1.1 J	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2 J
2,4-Dinitrotoluene	NS	< 0.59 J	< 0.54 J	< 0.6	< 0.54	< 0.54	< 0.6	< 0.54	< 0.56	< 0.57	< 0.6 J
2,6-Dinitrotoluene	NS	< 0.54 J	< 0.5 J	< 0.56	< 0.5	< 0.5	< 0.56	< 0.5	< 0.51	< 0.53	< 0.55 J
2-Chloronaphthalene	600	< 0.22 J	< 0.2 J	< 0.22	< 0.2	< 0.2	< 0.22	< 0.2	< 0.2	< 0.21	< 0.22 J
2-Chlorophenol	40	< 0.95 J	< 0.87 J	< 0.97	< 0.87	< 0.87	< 0.97	< 0.87	< 0.89	< 0.92	< 0.96 J
2-Methylnaphthalene	NS	< 0.83 J	< 0.76 J	< 0.85	< 0.76	< 0.76	< 0.85	< 0.76	< 0.78	< 0.8	< 0.84 J
2-Methylphenol	NS	< 1.1 J	< 1 J	< 1.2	< 1	< 1	< 1.2	< 1	< 1.1	< 1.1	< 1.1 J
2-Nitroaniline	NS	< 0.54 J	< 0.5 J	< 0.55	< 0.5	< 0.5	< 0.55	< 0.5	< 0.51	< 0.52	< 0.55 J
2-Nitrophenol	NS	< 1.6 J	< 1.5 J	< 1.7	< 1.5	< 1.5	< 1.7	< 1.5	< 1.5	< 1.6	< 1.6 J
3&4-Methylphenol	NS	< 1.2 J	< 1.1 J	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2 J
3,3'-Dichlorobenzidine	30	< 1.1 J	< 0.97 J	< 1.1	< 0.97	< 0.97	< 1.1	< 0.97	< 0.99	< 1	< 1.1 J
3-Nitroaniline	NS	< 0.35 J	< 0.32 J	< 0.36	< 0.32	< 0.32	< 0.36	< 0.32	< 0.33	< 0.34	< 0.36 J
4,6-Dinitro-2-methylphenol	NS	< 2.4 J	< 2.2 J	< 2.5	< 2.2	< 2.2	< 2.5	< 2.2	< 2.3	< 2.3	< 2.5 J
4-Bromophenyl phenyl ether	NS	< 0.41 J	< 0.37 J	< 0.41	< 0.37	< 0.37	< 0.41	< 0.37	< 0.38	< 0.39	< 0.41 J
4-Chloro-3-Methylphenol	NS	< 1.3 J	< 1.2 J	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3	< 1.3 J
4-Chloroaniline	30	< 0.38 J	< 0.35 J	< 0.39 R	< 0.35	< 0.35	< 0.39 R	< 0.35	< 0.36	< 0.37	< 0.38 J
4-Chlorophenyl phenyl ether	NS	< 0.32 J	< 0.29 J	< 0.32	< 0.29	< 0.29	< 0.32	< 0.29	< 0.3	< 0.31	< 0.32 J
4-Nitroaniline	NS	< 0.64 J	< 0.59 J	< 0.66	< 0.59	< 0.59	< 0.66	< 0.59	< 0.6	< 0.62	< 0.65 J
4-Nitrophenol	NS	< 1.7 J	< 1.6 J	< 1.8	< 1.6	< 1.6	< 1.8	< 1.6	< 1.6	< 1.7	< 1.7 J
Acetophenone	700	< 0.39 J	< 0.36 J	< 0.4	< 0.36	< 0.36	< 0.4	< 0.36	< 0.37	< 0.38	< 0.4 J
Atrazine	3	< 0.31 J	< 0.28 J	< 0.31	< 0.28	< 0.28	< 0.31	< 0.28	< 0.29	< 0.3	< 0.31 J
Benzaldehyde	NS	< 0.83 J	< 0.76 J	< 0.85 J	< 0.76	< 0.76	< 0.85 J	< 0.76	< 0.78	< 0.8	< 0.84 J
Benzyl butyl phthalate	100	< 0.69 J	< 0.64 J	< 0.71	< 0.64	< 0.64	< 0.71	< 0.64	< 0.65	< 0.67	< 0.7 J
bis(2-Chloroethoxy)methane	NS	< 0.35 J	< 0.32 J	< 0.35	< 0.32	< 0.32	< 0.35	< 0.32	< 0.32	< 0.33	< 0.35 J
bis(2-Chloroethyl)ether	7	< 0.73 J	< 0.67 J	< 0.75	< 0.67	< 0.67	< 0.75	< 0.67	< 0.69	< 0.71	< 0.74 J
bis(2-Chloroisopropyl)ether	300	< 0.63 J	< 0.58 J	< 0.64	< 0.58	< 0.58	< 0.64	< 0.58	< 0.59	< 0.61	< 0.64 J
bis(2-Ethylhexyl)phthalate	3	< 0.95 J	< 0.88 J	< 0.98	< 0.88	< 0.88	< 0.98	< 0.88	1.2 J	2.5	**3.4 B**
Caprolactam	NS	< 0.53 J	< 0.49 J	< 0.55	< 0.49	< 0.49	< 0.55	< 0.49	< 0.5	< 0.52	< 0.54 J
Carbazole	NS	< 0.43 J	< 0.4 J	< 0.44	< 0.4	< 0.4	< 0.44	< 0.4	< 0.41	< 0.42	< 0.44 J
Dibenzofuran	NS	< 0.25 J	< 0.23 J	< 0.25	< 0.23	< 0.23	< 0.25	< 0.23	< 0.23	< 0.24	< 0.25 J
Diethyl phthalate	6000	< 0.37 J	< 0.34 J	< 0.38	< 0.34	< 0.34	< 0.38	< 0.34	< 0.35	< 0.36	< 0.38 J
Dimethyl phthalate	NS	< 0.37 J	< 0.34 J	< 0.37	< 0.34	< 0.34	< 0.37	< 0.34	< 0.34	< 0.35	< 0.37 J
di-n-butyl phthalate	700	< 0.43 J	< 0.4 J	< 0.44	< 0.4	< 0.4	< 0.44	< 0.4	< 0.41	< 0.42	< 0.44 J
di-n-octylphthalate	100	< 0.52 J	< 0.48 J	< 0.53	< 0.48	< 0.48 J	< 0.53	< 0.48	< 0.49	1.2 J	< 0.53 J
Hexachlorobutadiene	1	< 0.14 J	< 0.13 J	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.13	< 0.13	< 0.14 J
Hexachlorocyclopentadiene	40	< 0.11 J	< 0.1 J	< 0.11	< 0.1	< 0.1	< 0.11	< 0.1	< 0.11	< 0.11	< 0.11 J
Hexachloroethane	7	< 0.18 J	< 0.16 J	< 0.18	< 0.16	< 0.16	< 0.18	< 0.16	< 0.16	< 0.17	< 0.18 J
Isophrone	40	< 0.53 J	< 0.49 J	< 0.54	< 0.49	< 0.49	< 0.54	< 0.49	< 0.5	< 0.51	< 0.54 J
Naphthalene	300	NA	NA	NA	5.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.77 J	< 0.71 J	< 0.78	< 0.71	< 0.71	< 0.78	< 0.71	< 0.72	< 0.74	< 0.77 J
N-Nitroso-di-n-Propylamine	10	< 0.42 J	< 0.38 J	< 0.42	< 0.38	< 0.38	< 0.42	< 0.38	< 0.39	< 0.4	< 0.42 J
N-Nitrosodiphenylamine	10	< 0.45 J	< 0.41 J	< 0.46	0.88 J	0.67 J	< 0.46	< 0.41	< 0.42	< 0.44	< 0.45 J
Phenol	2000	< 0.74 J	< 0.68 J	< 0.76	< 0.68	< 0.68	< 0.76	< 0.68	< 0.7	< 0.72	< 0.75 J
Total TIC, Semi-Volatile	NS	18 J	13.6 J	0	26.2 J	9.6 J	0	0	0	0	5.2 J

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		RW-6	RW-6A	RW-7	SC-01	SC-01	SC-02	Field Blank	Field Blank	Field Blank	Field Blank
Sample ID	GWQS[1]	RW-6(080502)	RW-6A(080502)	RW-7 (080505)	SC-1(080430)	DUP-01(080430) (SC-1)	SC-2 (080505)	FIELDBLANK(080428)	FIELDBLANK(080429)	FIELDBLANK(080430)	FIELD BLANK(080501)
Sample Date		5/2/2008	5/2/2008	5/5/2008	4/30/2008	4/30/2008	5/5/2008	4/28/2008	4/29/2008	4/30/2008	5/1/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs BY SIM											
Acenaphthene	400	< 0.017	< 0.016	< 0.018	< 0.016	< 0.016	< 0.018	< 0.016	< 0.016	< 0.017	< 0.018
Acenaphthylene	NS	< 0.0076	< 0.007	< 0.0078	< 0.007	< 0.007	< 0.0078	< 0.007	< 0.0071	< 0.0074	< 0.0077
Anthracene	2000	< 0.023	< 0.021	< 0.023	< 0.021	< 0.021	< 0.023	< 0.021	< 0.021	< 0.022	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.037	< 0.034	< 0.037 J	< 0.034	< 0.034	< 0.037 J	< 0.034	< 0.034	< 0.035	< 0.037
Benzo(a)pyrene	0.1 [0.2]	< 0.039	< 0.036	< 0.039	< 0.036	< 0.036	< 0.039	< 0.036	< 0.036	< 0.037	< 0.039
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.018	< 0.019
Benzo(g,h,i)perylene	NS	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.013
Benzo(k)fluoranthene	0.5	< 0.02	< 0.019	< 0.021	< 0.019	< 0.019	< 0.021	< 0.019	< 0.019	< 0.02	< 0.021
Chrysene	5	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.02	< 0.018	< 0.018	< 0.019	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.022	< 0.02	< 0.022	< 0.02	< 0.02	< 0.022	< 0.02	< 0.021	< 0.021	< 0.022
Fluoranthene	300	< 0.01	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.011	< 0.0096	< 0.0098	< 0.01	< 0.011
Fluorene	300	< 0.021	< 0.02	< 0.022	< 0.02	< 0.02	< 0.022	< 0.02	< 0.02	< 0.021	< 0.022
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.0099	< 0.011	< 0.0099 J	< 0.0099 J	< 0.011	< 0.0099	< 0.01	< 0.01 J	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.016	< 0.014	< 0.016	< 0.014	< 0.014	< 0.016	< 0.014	< 0.015	< 0.015	< 0.016
Naphthalene	300	< 0.015	0.384	< 0.289 B	NA	3.49	< 0.24 B	< 0.014	< 0.014	< 0.015	< 0.015
Pentachlorophenol	0.3 [1]	< 0.24 J	< 0.23 J	< 0.25	< 0.22 J	< 0.22 J	< 0.25	< 0.22	< 0.23	< 0.23 J	< 0.25
Phenanthrene	NS	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.018	< 0.019
Pyrene	200	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.013
PCBs											
PCB 1016	0.5	< 0.1	< 0.1	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.1	< 0.1	< 0.1
PCB 1221	0.5	< 0.52	< 0.52	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.51	< 0.51	< 0.51
PCB 1232	0.5	< 0.43	< 0.43	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.42	< 0.42	< 0.42
PCB 1242	0.5	< 0.18	< 0.18	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.18	< 0.18	< 0.18
PCB 1248	0.5	< 0.17	< 0.17	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.17	< 0.17	< 0.17
PCB 1254	0.5	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.12
PCB 1260	0.5	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13 J	< 0.13	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0
Metals - Total											
Aluminum	200	< 24	< 24	**244**	34.6 B	34.9 B	**379**	< 24	< 24	< 24	< 24
Antimony	6	< 1.8 B	< 1.8 B	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	**3.8**	2.9 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	246	18.7 B	1.9 B	174 B	183 B	99.1 B	< 1.1	< 1.1	< 1.1	< 1.1
Beryllium	1	0.2 B	0.3 B	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	1.6 B	3.6 B	< 0.28	0.3 B	0.5 B	0.6 B	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	71200	67900	11700 J	18400 J	19300 J	73900 J	< 31	116 B	38 BJ	< 31
Chromium	70	3.9 B	< 0.53	< 0.7 B	3.2 B	3.8 B	< 2 B	< 0.53	< 0.53	0.6 B	< 0.53
Cobalt	NS	< 0.51	5.4 B	< 0.51	1 B	1.3 B	50.4	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	< 2.5	< 2.5	3 B	< 2.5	8.9 B	< 2.5 B	< 2.5	< 2.5	< 2.5
Iron	300	**36400**	**9290**	< 186 B	**29700**	**28200**	**5240**	< 7.4	< 7.4	47 B	< 7.4
Lead	5	1.5 B	2.8 B	1.5 B	**5.4**	**6.6**	2.8 B	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	11600	16900	4100 B	2070 BJ	2170 BJ	19700	< 24	< 24	< 24 J	< 24
Manganese	50	**6640**	**10200 J**	< 1.7 B	**307 J**	**323 J**	**658**	< 0.24	< 0.24	< 0.24 J	< 0.24
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Nickel	100	< 1.2	< 1.2	< 1.2	2.8 B	3 B	< 15.5 B	< 1.2	< 1.2	< 1.2	< 1.2
Potassium	NS	55200	3080 B	882 B	1560 B	1610 B	5270 B	< 48	67.4 B	< 48	48.3 B
Selenium	40	9 B	4.8 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	30000	9090 B	3770 B	2420 B	2530 B	15000	23.9 B	503 B	< 23	< 23
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	1 B	1.2 B	0.6 B	2.8 B	3.1 B	0.8 B	< 0.43	< 0.43	< 0.43	< 0.43
Zinc	2000	< 4	< 4	< 4	131	123	104	< 4	< 4	5.6 B	5 B

Sample Location		RW-6	RW-6A	RW-7	SC-01	SC-01	SC-02	Field Blank	Field Blank	Field Blank	Field Blank
Sample ID	GWQS[1]	RW-6(080502)	RW-6A(080502)	RW-7 (080505)	SC-1(080430)	DUP-01(080430) (SC-1)	SC-2 (080505)	FIELDBLANK(080428)	FIELDBLANK(080429)	FIELDBLANK(080430)	FIELD BLANK(080501)
Sample Date		5/2/2008	5/2/2008	5/5/2008	4/30/2008	4/30/2008	5/5/2008	4/28/2008	4/29/2008	4/30/2008	5/1/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved											
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	NA	NA	NA	NA
Antimony	6	< 1.8 B	< 1.8 B	< 1.8	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA
Arsenic	3 [8]	2.5 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	NA	NA	NA
Barium	2000	154 B	14.3 B	1.1 B	160 B	152 B	89.3 B	NA	NA	NA	NA
Beryllium	1	< 0.15	0.2 B	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA
Cadmium	4	1.5 B	3.3 B	< 0.28	< 0.28	< 0.28	0.4 B	NA	NA	NA	NA
Calcium	NS	65900	65800	11400	18100 J	17000 J	72300	NA	NA	NA	NA
Chromium	70	< 0.53	< 0.53	< 0.9 B	< 0.53	0.7 B	< 0.9 B	NA	NA	NA	NA
Cobalt	NS	< 0.51	5 B	< 0.51	0.8 B	0.7 B	50	NA	NA	NA	NA
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	NA	NA	NA	NA
Iron	300	**7550**	**331**	< 21 B	9.3 B	< 7.4	< 213 B	NA	NA	NA	NA
Lead	5	< 1.4	1.8 B	< 1.4	< 1.4	1.9 B	< 1.4	NA	NA	NA	NA
Magnesium	NS	10800	16300	3970 B	2070 BJ	1940 BJ	19300	NA	NA	NA	NA
Manganese	50	**6140**	**10000 J**	< 1 B	**303 J**	**284 J**	< 634 B	NA	NA	NA	NA
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA
Nickel	100	< 1.2	< 1.2	< 1.2	2.7 B	2.6 B	14.1 B	NA	NA	NA	NA
Potassium	NS	52000	2950 B	864 B	1510 B	1450 B	5140 B	NA	NA	NA	NA
Selenium	40	3.3 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	NA
Sodium	50,000	28300	8850 B	3710 B	2400 B	2250 B	14800	NA	NA	NA	NA
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA
Vanadium	NS	< 0.43	< 0.43	0.7 B	0.5 B	0.7 B	< 0.43	NA	NA	NA	NA
Zinc	2000	< 4	< 4	< 4	98.5	91.9	75.5	NA	NA	NA	NA
Other (mg/l)											
Alkalinity, Bicarbonate	NS	337	286	42.7	61.1	61.6	224	NA	NA	NA	NA
Alkalinity, Carbonate	NS	< 5	< 5	< 5	< 5	< 5	< 5	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	337	286	39.4	61.1	61.6	103	NA	NA	NA	NA
Cyanide	0.1	< 0.01	< 0.01	< 0.01	< 0.01 J	< 0.01 J	< 0.01	< 0.01	< 0.01	< 0.01 J	< 0.01
Nitrogen, Nitrate + Nitrite	NS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	NA	NA	NA	NA
Phosphorus, Total	NS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA	NA	NA
Chloride	250	4.6	2.3	< 2	< 2	< 2	32	NA	NA	NA	NA
Nitrate	10	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.21	NA	NA	NA	NA
Nitrogen, Nitrite	1	< 0.01	< 0.01	< 0.01 J	< 0.01	< 0.01	< 0.01 J	NA	NA	NA	NA
Sulfate	250	33.7	< 10	11.8	< 10	< 10	37.9	NA	NA	NA	NA

Sample Location		Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	**GWQS[1]**	**FIELD BLANK(080502)**	**FIELD BLANK (080505)**	**FIELDBLANK(080507)**	**FIELD BLANK(080509)**	**TRIPBLANK(080428)**	**TRIPBLANK(080429)**	**TRIPBLANK(080430)**	**TRIP BLANK(080501)**
Sample Date		**5/2/2008**	**5/5/2008**	**5/7/2008**	**5/9/2008**	**4/28/2008**	**4/29/2008**	**4/30/2008**	**5/2/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs									
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0

Sample Location		Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	GWQS[1]	FIELD BLANK(080502)	FIELD BLANK (080505)	FIELDBLANK(080507)	FIELD BLANK(080509)	TRIPBLANK(080428)	TRIPBLANK(080429)	TRIPBLANK(080430)	TRIP BLANK(080501)
Sample Date		5/2/2008	5/5/2008	5/7/2008	5/9/2008	4/28/2008	4/29/2008	4/30/2008	5/2/2008
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final
SVOCs									
1,1'-Biphenyl	400	< 0.23 J	< 0.25	< 0.22	< 0.22	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 1.1 J	< 1.2	< 1.1	< 1.1	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1 J	< 1.1	< 1	< 1	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.5 J	< 1.6	< 1.4	< 1.4	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.7 J	< 1.8	< 1.7	< 1.7	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 1.1 J	< 1.2	< 1.1	< 1.1	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.56 J	< 0.6	< 0.54	< 0.54	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.52 J	< 0.56	< 0.5	< 0.5	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.21 J	< 0.22	< 0.2	< 0.2	NA	NA	NA	NA
2-Chlorophenol	40	< 0.9 J	< 0.97	< 0.87	< 0.87	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.79 J	< 0.85	< 0.76	< 0.76	NA	NA	NA	NA
2-Methylphenol	NS	< 1.1 J	< 1.2	< 1	< 1	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.51 J	< 0.55	< 0.5	< 0.5	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.5 J	< 1.7	< 1.5	< 1.5	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.1 J	< 1.2	< 1.1	< 1.1 J	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 1 J	< 1.1	< 0.97	< 0.97	NA	NA	NA	NA
3-Nitroaniline	NS	< 0.33 J	< 0.36	< 0.32	< 0.32	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 2.3 J	< 2.5	< 2.2	< 2.2	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.38 J	< 0.41	< 0.37	< 0.37	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.2 J	< 1.3	< 1.2	< 1.2	NA	NA	NA	NA
4-Chloroaniline	30	< 0.36 J	< 0.39 R	< 0.35	< 0.35	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.3 J	< 0.32	< 0.29	< 0.29	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.61 J	< 0.66	< 0.59	< 0.59	NA	NA	NA	NA
4-Nitrophenol	NS	< 1.6 J	< 1.8	< 1.6	< 1.6	NA	NA	NA	NA
Acetophenone	700	< 0.37 J	< 0.4	< 0.36	< 0.36	NA	NA	NA	NA
Atrazine	3	< 0.29 J	< 0.31	< 0.28	< 0.28	NA	NA	NA	NA
Benzaldehyde	NS	< 0.78 J	< 0.85 J	< 0.76 J	< 0.76 R	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.66 J	< 0.71	< 0.64	< 0.64	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.33 J	< 0.35	< 0.32	< 0.32	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.69 J	< 0.75	< 0.67	< 0.67	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.6 J	< 0.64	< 0.58	< 0.58	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	1.1 BJ	1.1 J	< 0.88	< 0.88	NA	NA	NA	NA
Caprolactam	NS	< 0.51 J	< 0.55	< 0.49	< 0.49	NA	NA	NA	NA
Carbazole	NS	< 0.41 J	< 0.44	< 0.4	< 0.4	NA	NA	NA	NA
Dibenzofuran	NS	< 0.24 J	< 0.25	< 0.23	< 0.23	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.35 J	< 0.38	< 0.34	< 0.34	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.35 J	< 0.37	< 0.34	< 0.34	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.41 J	< 0.44	< 0.4	< 0.4	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.49 J	< 0.53	< 0.48	< 0.48	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.13 J	< 0.14	< 0.13	< 0.13	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.11 J	< 0.11	< 0.1	< 0.1	NA	NA	NA	NA
Hexachloroethane	7	< 0.17 J	< 0.18	< 0.16	< 0.16	NA	NA	NA	NA
Isophrone	40	< 0.5 J	< 0.54	< 0.49	< 0.49	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.73 J	< 0.78	< 0.71	< 0.71	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.39 J	< 0.42	< 0.38	< 0.38	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.43 J	< 0.46	< 0.41	< 0.41	NA	NA	NA	NA
Phenol	2000	< 0.7 J	< 0.76	< 0.68	< 0.68	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	0	0	NA	NA	NA	NA

Sample Location		Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	**GWQS[1]**	**FIELD BLANK(080502)**	**FIELD BLANK (080505)**	**FIELDBLANK(080507)**	**FIELD BLANK(080509)**	**TRIPBLANK(080428)**	**TRIPBLANK(080429)**	**TRIPBLANK(080430)**	**TRIP BLANK(080501)**
Sample Date		**5/2/2008**	**5/5/2008**	**5/7/2008**	**5/9/2008**	**4/28/2008**	**4/29/2008**	**4/30/2008**	**5/2/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM									
Acenaphthene	400	< 0.016	< 0.018	< 0.016	< 0.016	NA	NA	NA	NA
Acenaphthylene	NS	< 0.0072	< 0.0078	< 0.007	< 0.007	NA	NA	NA	NA
Anthracene	2000	< 0.022	< 0.023	< 0.021	< 0.021	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.035	< 0.037 J	< 0.034 R	< 0.034	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.037	< 0.039	< 0.036	< 0.036	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.019	< 0.017	< 0.017	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.012	< 0.013	< 0.012	< 0.012	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.019	< 0.021	< 0.019	< 0.019	NA	NA	NA	NA
Chrysene	5	< 0.018	< 0.02	< 0.018	< 0.018	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.021	< 0.022	< 0.02	< 0.02	NA	NA	NA	NA
Fluoranthene	300	< 0.0099	< 0.011	< 0.0096	< 0.0096	NA	NA	NA	NA
Fluorene	300	< 0.02	< 0.022	< 0.02	< 0.02	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.01	< 0.011	< 0.0099	< 0.0099	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.015	< 0.016	< 0.014	< 0.014	NA	NA	NA	NA
Naphthalene	300	< 0.014	0.247	< 0.014	0.547	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.23	< 0.25	< 0.22 R	< 0.22	NA	NA	NA	NA
Phenanthrene	NS	< 0.018	< 0.019	< 0.017	< 0.017	NA	NA	NA	NA
Pyrene	200	< 0.012	< 0.013	< 0.012	< 0.012	NA	NA	NA	NA
PCBs									
PCB 1016	0.5	< 0.094	< 0.094	< 0.1	< 0.094	NA	NA	NA	NA
PCB 1221	0.5	< 0.47	< 0.47	< 0.51	< 0.47	NA	NA	NA	NA
PCB 1232	0.5	< 0.39	< 0.39	< 0.42	< 0.39	NA	NA	NA	NA
PCB 1242	0.5	< 0.16	< 0.16	< 0.18	< 0.16	NA	NA	NA	NA
PCB 1248	0.5	< 0.15	< 0.15	< 0.17	< 0.15	NA	NA	NA	NA
PCB 1254	0.5	< 0.11	< 0.11	< 0.12	< 0.11	NA	NA	NA	NA
PCB 1260	0.5	< 0.12	< 0.12	< 0.13	< 0.12	NA	NA	NA	NA
Total PCBs	0.5	0	0	0	0	NA	NA	NA	NA
Metals - Total									
Aluminum	200	< 24	< 24	< 24	< 24	NA	NA	NA	NA
Antimony	6	2.4 B	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	1.8 B	NA	NA	NA	NA
Barium	2000	< 1.1	< 1.1	< 1.1	< 1.1	NA	NA	NA	NA
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	NA	NA	NA	NA
Calcium	NS	< 31	< 31 J	< 31	< 31	NA	NA	NA	NA
Chromium	70	< 0.53	5.2 B	< 0.53	< 0.53	NA	NA	NA	NA
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	NA	NA	NA	NA
Copper	1,300	< 2.5	< 2.5	< 2.5	< 2.5	NA	NA	NA	NA
Iron	300	< 7.4	84.1 B	< 7.4	11.7 B	NA	NA	NA	NA
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	NA	NA	NA	NA
Magnesium	NS	< 24	< 24	< 24	< 24	NA	NA	NA	NA
Manganese	50	< 0.24	1.2 B	< 0.24	< 0.24	NA	NA	NA	NA
Mercury	2	< 0.15	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA
Nickel	100	< 1.2	6.6 B	< 1.2	< 1.2	NA	NA	NA	NA
Potassium	NS	< 48	< 48	< 48	< 48	NA	NA	NA	NA
Selenium	40	< 1.6	< 1.6	1.8 B	< 1.6	NA	NA	NA	NA
Silver	40	< 1	< 1	< 1	< 1	NA	NA	NA	NA
Sodium	50,000	< 23	< 23	< 23	40.5 B	NA	NA	NA	NA
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA
Vanadium	NS	< 0.43	< 0.43	< 0.43	< 0.43	NA	NA	NA	NA
Zinc	2000	4 B	< 4	< 4	8.1 B	NA	NA	NA	NA

Sample Location		Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	**GWQS[1]**	**FIELD BLANK(080502)**	**FIELD BLANK (080505)**	**FIELDBLANK(080507)**	**FIELD BLANK(080509)**	**TRIPBLANK(080428)**	**TRIPBLANK(080429)**	**TRIPBLANK(080430)**	**TRIP BLANK(080501)**
Sample Date		**5/2/2008**	**5/5/2008**	**5/7/2008**	**5/9/2008**	**4/28/2008**	**4/29/2008**	**4/30/2008**	**5/2/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved									
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA
Other (mg/l)									
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	0.1	< 0.01	< 0.01	< 0.01	< 0.01	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	NS	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250	NA	NA	NA	NA	NA	NA	NA	NA

Table 9: Summary of Groundwater Analytical Results, April 2008, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Location		Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	GWQS[1]	TRIP BLANK (080505)	TRIPBLANK-080507	TRIPBLANK(080507)	TRIP BLANK(080509)
Sample Date		5/5/2008	5/6/2008	5/7/2008	5/9/2008
Validation Status		Final	Final	Final	Final
VOCs					
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.16	< 0.16	< 0.16	< 0.16
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 2.4*	< 2.4*	< 2.4*	< 2.4*
1,2-Dibromoethane	0.03 [0.5]	< 0.17*	< 0.17*	< 0.17*	< 0.17*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.32	< 0.32	< 0.32	< 0.32
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.9	< 1.9	< 1.9	< 1.9
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.15	< 0.15	< 0.15	< 0.15
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.14	< 0.14	< 0.14	< 0.14
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.19	< 0.19	< 0.19	< 0.19
cis-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.12	< 0.12	< 0.12 J	< 0.12
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.15	< 0.15	< 0.15	< 0.15
Methyl acetate	7000	< 2.5	< 2.5	< 2.5	< 2.5
Methyl tert butyl ether	70	< 0.14	< 0.14	< 0.14	< 0.14
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.11	< 0.11	< 0.11	< 0.11
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.11	< 0.11	< 0.11	< 0.11
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0

Sample Location		Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	GWQS[1]	TRIP BLANK (080505)	TRIPBLANK-080507	TRIPBLANK(080507)	TRIP BLANK(080509)
Sample Date		5/5/2008	5/6/2008	5/7/2008	5/9/2008
Validation Status		Final	Final	Final	Final
SVOCs					
1,1'-Biphenyl	400	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA
Caprolactam	NS	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA
Diethyl phthalate	6000	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA
Phenol	2000	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA

Sample Location		Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	**GWQS[1]**	**TRIP BLANK (080505)**	**TRIPBLANK-080507**	**TRIPBLANK(080507)**	**TRIP BLANK(080509)**
Sample Date		**5/5/2008**	**5/6/2008**	**5/7/2008**	**5/9/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**
SVOCs BY SIM					
Acenaphthene	400	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA
PCBs					
PCB 1016	0.5	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA
Metals - Total					
Aluminum	200	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA

Sample Location		Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sample ID	**GWQS[1]**	**TRIP BLANK (080505)**	**TRIPBLANK-080507**	**TRIPBLANK(080507)**	**TRIP BLANK(080509)**
Sample Date		**5/5/2008**	**5/6/2008**	**5/7/2008**	**5/9/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**
Metals - Dissolved					
Aluminum	200	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA
Other (mg/l)					
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA
Cyanide	0.1	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	NS	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA
Chloride	250	NA	NA	NA	NA
Nitrate	10	NA	NA	NA	NA
Nitrogen, Nitrite	1	NA	NA	NA	NA
Sulfate	250	NA	NA	NA	NA

Footnotes:

Results are presented in micrograms per liter (ug/L) unless otherwise noted.	
mg/l	Milligrams per liter.
<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
R	Rejected data.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Sample ID		OB-1(080908)	OB-2 (080917)	OB-3(080909)	OB-4(080910)	OB-5(080909)	OB-6(080908)	OB-7(080910)	OB-7(080910) Dup	OB-10(080910)	OB-12(080909)	OB-13(080910)	OB-14A(080911)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/17/2008**	**9/9/2008**	**9/10/2008**	**9/9/2008**	**9/8/2008**	**9/10/2008**	**9/10/2008**	**9/10/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs													
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	0.5 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	3.9	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 1 J
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	**13.7**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0
SVOCs													
1,1'-Biphenyl	400	< 0.55	< 0.55	< 0.59	< 0.6	< 0.56	< 0.55	< 0.6	< 0.55	< 0.58	< 0.61	< 0.58	< 0.57
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		OB-1(080908)	OB-2 (080917)	OB-3(080909)	OB-4(080910)	OB-5(080909)	OB-6(080908)	OB-7(080910)	OB-7(080910) Dup	OB-10(080910)	OB-12(080909)	OB-13(080910)	OB-14A(080911)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/17/2008**	**9/9/2008**	**9/10/2008**	**9/9/2008**	**9/8/2008**	**9/10/2008**	**9/10/2008**	**9/10/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2	< 2	< 2.1	< 2.2	< 2	< 2	< 2.2	< 2	< 2.1	< 2.2	< 2.1	< 2.1
2,4,6-Trichlorophenol	20	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.6	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7	< 1.6
2,4-Dichlorophenol	20	< 1.9	< 1.9	< 2.1	< 2.1	< 2	< 1.9	< 2.1	< 1.9	< 2	< 2.1	< 2	< 2
2,4-Dimethylphenol	100	< 2	< 2	< 2.1	< 2.2	< 2	< 2	< 2.2	< 2	< 2.1	< 2.2	< 2.1	< 2.1
2,4-Dinitrophenol	40	< 4.2	< 4.2	< 4.4	< 4.6	< 4.3	< 4.2	< 4.6	< 4.2	< 4.4	< 4.6	< 4.4	< 4.3
2,4-Dinitrotoluene	NS	< 0.45	< 0.45	< 0.48	< 0.5	< 0.46	< 0.45	< 0.5	< 0.45	< 0.48	< 0.5	< 0.48	< 0.47
2,6-Dinitrotoluene	NS	< 0.6	< 0.6	< 0.64	< 0.66	< 0.61	< 0.6	< 0.66	< 0.6	< 0.63	< 0.67	< 0.63	< 0.63
2-Chloronaphthalene	600	< 0.48	< 0.48	< 0.51	< 0.53	< 0.49	< 0.48	< 0.53	< 0.48	< 0.51	< 0.54	< 0.51	< 0.5
2-Chlorophenol	40	< 1.5	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5
2-Methylnaphthalene	NS	< 0.43	< 0.43	< 0.46	< 0.48	< 0.44	< 0.43	< 0.47	< 0.43	< 0.46	< 0.48	< 0.46	< 0.45
2-Methylphenol	NS	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.45	< 0.45	< 0.47	< 0.49	< 0.45	< 0.45	< 0.49	< 0.45	< 0.47	< 0.49	< 0.47	< 0.46
2-Nitrophenol	NS	< 1.9	< 1.9	< 2.1	< 2.1	< 2	< 1.9	< 2.1	< 1.9	< 2	< 2.1	< 2	< 2
3&4-Methylphenol	NS	< 1.5	< 1.5	< 1.6	< 1.6	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5
3,3'-Dichlorobenzidine	30	< 4.6	< 4.6	< 4.8	< 5	< 4.6	< 4.6	< 5	< 4.6	< 4.8	< 5.1	< 4.8	< 4.7
3-Nitroaniline	NS	< 0.45	< 0.45	< 0.48	< 0.49	< 0.46	< 0.45	< 0.49	< 0.45	< 0.47	< 0.5	< 0.47	< 0.47
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2
4-Bromophenyl phenyl ether	NS	< 0.41	< 0.41	< 0.44	< 0.45	< 0.42	< 0.41	< 0.45	< 0.41	< 0.43	< 0.46	< 0.43	< 0.43
4-Chloro-3-Methylphenol	NS	< 2.3	< 2.3	< 2.4	< 2.5	< 2.3	< 2.3	< 2.5	< 2.3	< 2.4	< 2.5	< 2.4	< 2.4
4-Chloroaniline	30	< 0.33	< 0.33	< 0.36	< 0.37	< 0.34	< 0.33	< 0.37	< 0.33	< 0.35	< 0.37	< 0.35	< 0.35
4-Chlorophenyl phenyl ether	NS	< 0.45	< 0.45	< 0.48	< 0.5	< 0.46	< 0.45	< 0.5	< 0.45	< 0.48	< 0.5	< 0.48	< 0.47
4-Nitroaniline	NS	< 0.45	< 0.45	< 0.48	< 0.5	< 0.46	< 0.45	< 0.5	< 0.45	< 0.48	< 0.5	< 0.48	< 0.47
4-Nitrophenol	NS	< 2.3	< 2.3	< 2.4	< 2.5	< 2.3	< 2.3	< 2.5	< 2.3	< 2.4	< 2.5	< 2.4	< 2.3
Acetophenone	700	< 0.47	< 0.47	< 0.5	< 0.51	< 0.48	< 0.47	< 0.51	< 0.47	< 0.49	< 0.52	< 0.49	< 0.49
Atrazine	3	< 0.62	< 0.62	< 0.66	< 0.68	< 0.63	< 0.62	< 0.67	< 0.62	< 0.65	< 0.68	< 0.65	< 0.64
Benzaldehyde	NS	< 1.6	< 1.6 R	< 1.7	< 1.8	< 1.6	< 1.6	< 1.8	< 1.6	< 1.7	< 1.8	< 1.7	< 1.7
Benzyl butyl phthalate	100	< 0.42	< 0.42	< 0.44	< 0.46	< 0.43	< 0.42	< 0.46	< 0.42	< 0.44	< 0.46	< 0.44	< 0.44
bis(2-Chloroethoxy)methane	NS	< 0.52	< 0.52	< 0.55	< 0.57	< 0.53	< 0.52	< 0.57	< 0.52	< 0.54	< 0.57	< 0.54	< 0.54
bis(2-Chloroethyl)ether	7	< 0.49	< 0.49	< 0.52	< 0.54	< 0.5	< 0.49	< 0.54	< 0.49	< 0.52	< 0.55	< 0.52	< 0.51
bis(2-Chloroisopropyl)ether	300	< 0.54	< 0.54	< 0.58	< 0.6	< 0.56	< 0.54	< 0.59	< 0.54	< 0.57	< 0.6	< 0.57	< 0.57
bis(2-Ethylhexyl)phthalate	3	< 0.75	< 0.75	< 0.8	< 0.82	< 0.77	< 0.75	< 0.82	< 0.75	< 0.79	< 0.83	< 0.79	< 0.78
Caprolactam	NS	< 0.63	< 0.63	< 0.67	< 0.69	< 0.64	< 0.63	< 0.68	< 0.63	< 0.66	< 0.7	< 0.66	< 0.65
Carbazole	NS	< 0.45	< 0.45	< 0.48	< 0.49	< 0.46	< 0.45	< 0.49	< 0.45	< 0.47	< 0.5	< 0.47	< 0.47
Dibenzofuran	NS	< 0.49	< 0.49	< 0.52	< 0.54	< 0.5	< 0.49	< 0.53	< 0.49	< 0.51	< 0.54	< 0.51	< 0.51
Diethyl phthalate	6000	< 0.36	< 0.36	< 0.38	< 0.4	< 0.37	< 0.36	< 0.39	< 0.36	< 0.38	< 0.4	< 0.38	< 0.38
Dimethyl phthalate	NS	< 0.36	< 0.36	< 0.38	< 0.4	< 0.37	< 0.36	< 0.39	< 0.36	< 0.38	< 0.4	< 0.38	< 0.38
di-n-butyl phthalate	700	< 0.5	< 0.5	< 0.53	< 0.55	< 0.51	< 0.5	< 0.55	< 0.5	< 0.53	< 0.55	< 0.53	< 0.52
di-n-octylphthalate	100	< 0.5	< 0.5	< 0.53	< 0.55	< 0.51	< 0.5	< 0.54	< 0.5	< 0.52	< 0.55	< 0.52	< 0.52
Hexachlorobutadiene	1	< 0.38	< 0.38	< 0.4	< 0.41	< 0.38	< 0.38	< 0.41	< 0.38	< 0.39	< 0.42	< 0.39	< 0.39
Hexachlorocyclopentadiene	40	< 4.5	< 4.5	< 4.8	< 5	< 4.6	< 4.5	< 5	< 4.5	< 4.8	< 5	< 4.8	< 4.7
Hexachloroethane	7	< 0.3	< 0.3	< 0.32	< 0.33	< 0.31	< 0.3	< 0.33	< 0.3	< 0.32	< 0.33	< 0.32	< 0.31
Isophrone	40	< 0.69	< 0.69	< 0.74	< 0.76	< 0.71	< 0.69	< 0.76	< 0.69	< 0.73	< 0.77	< 0.73	< 0.72
Nitrobenzene	6	< 0.66	< 0.66	< 0.7	< 0.72	< 0.67	< 0.66	< 0.72	< 0.66	< 0.69	< 0.73	< 0.69	< 0.69
N-Nitroso-di-n-Propylamine	10	< 0.39	< 0.39	< 0.42	< 0.43	< 0.4	< 0.39	< 0.43	< 0.39	< 0.41	< 0.44	< 0.41	< 0.41
N-Nitrosodiphenylamine	10	< 0.61	< 0.61	< 0.65	< 0.67	< 0.62	< 0.61	< 0.66	< 0.61	< 0.64	< 0.67	< 0.64	< 0.63
Phenol	2000	< 1.4	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4
Total TIC, Semi-Volatile	NS	0	0	0	21 J	7.3 J	4.6 J	11 J	11 J	0	9.1 J	0	208.8 J
SVOCs BY SIM													
Acenaphthene	400	< 0.016	< 0.016	< 0.016	< 0.018	< 0.016	< 0.016	< 0.017	< 0.016	< 0.017	< 0.017	< 0.017	< 0.017
Acenaphthylene	NS	< 0.007	< 0.007	< 0.007	< 0.0077	< 0.007	< 0.007	< 0.0077	< 0.007	< 0.0074	< 0.0076	< 0.0074	< 0.0073
Anthracene	2000	< 0.021	< 0.021	< 0.021	< 0.023	< 0.021	< 0.021	< 0.023	< 0.021	< 0.022	< 0.023	< 0.022	< 0.022
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.034	< 0.034	< 0.037	< 0.034	< 0.034	< 0.037	< 0.034	< 0.035	< 0.037	< 0.035	< 0.035
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.036	< 0.036	< 0.039	< 0.036	< 0.036	< 0.039	< 0.036	< 0.037	< 0.039	< 0.037	< 0.037
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.019	< 0.017	< 0.018	< 0.018	< 0.018	< 0.018
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.019	< 0.019	< 0.019	< 0.021	< 0.019	< 0.019	< 0.021	< 0.019	< 0.02	< 0.02	< 0.02	< 0.02

Sample ID		OB-1(080908)	OB-2 (080917)	OB-3(080909)	OB-4(080910)	OB-5(080909)	OB-6(080908)	OB-7(080910)	OB-7(080910) Dup	OB-10(080910)	OB-12(080909)	OB-13(080910)	OB-14A(080911)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/17/2008**	**9/9/2008**	**9/10/2008**	**9/9/2008**	**9/8/2008**	**9/10/2008**	**9/10/2008**	**9/10/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.018	< 0.018	< 0.018	< 0.019	< 0.018	< 0.018	< 0.019	< 0.018	< 0.019	< 0.019	< 0.019	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.02	< 0.02	< 0.022	< 0.02	< 0.02	< 0.022	< 0.02	< 0.021	< 0.022	< 0.021	< 0.021
Fluoranthene	300	< 0.0096	< 0.0096	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	300	< 0.02	< 0.02	< 0.02	< 0.022	< 0.02	< 0.02	< 0.021	< 0.02	< 0.021	< 0.021	< 0.021	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.01	< 0.011	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.014	< 0.014	< 0.016	< 0.014	< 0.014	< 0.016	< 0.014	< 0.015	< 0.016	< 0.015	< 0.015
Naphthalene	300	< 0.014	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014	< 0.015	< 0.014	< 0.015	< 0.015	< 0.015	< 0.014
Pentachlorophenol	0.3 [1]	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22	< 0.22	< 0.24	< 0.22	< 0.23	< 0.24	< 0.23	< 0.23
Phenanthrene	NS	< 0.017	< 0.017	< 0.017	< 0.019	< 0.017	< 0.017	< 0.019	< 0.017	< 0.018	< 0.018	< 0.018	< 0.018
Pyrene	200	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.012	< 0.013	< 0.013	< 0.013	< 0.013
PCBs													
PCB 1016	0.5	< 0.096	< 0.094	< 0.11 J	< 0.094	< 0.11 J	< 0.094	< 0.094	< 0.094	< 0.094	< 0.096 J	< 0.094	< 0.098
PCB 1221	0.5	< 0.48	< 0.47	< 0.53 J	< 0.47	< 0.54 J	< 0.47	< 0.47	< 0.47	< 0.47	< 0.48 J	< 0.47	< 0.49
PCB 1232	0.5	< 0.4	< 0.39	< 0.44 J	< 0.39	< 0.45 J	< 0.39	< 0.39	< 0.39	< 0.39	< 0.4 J	< 0.39	< 0.41
PCB 1242	0.5	< 0.17	< 0.16	< 0.18 J	< 0.16	< 0.19 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17 J	< 0.16	< 0.17
PCB 1248	0.5	< 0.16	< 0.15	< 0.17 J	< 0.15	< 0.18 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16 J	< 0.15	< 0.16
PCB 1254	0.5	< 0.11	< 0.11	< 0.12 J	< 0.11	< 0.13 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11 J	< 0.11	< 0.11
PCB 1260	0.5	< 0.12	< 0.12	< 0.13 J	< 0.12	< 0.13 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12 J	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	200	< 24	32.1 B	< 200	24.7 B	94.4 BJ	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	2.3 BJ
Barium	2000	5.5 B	7.2 BJ	5.5 B	30.4 B	23.3 B	32.3 B	17.1 B	16.7 B	10.4 BJ	2 B	6.7 BJ	513 J
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	7380	10800	29700	33000	96300	48000	76100	73100	14800	8500	17400	121000 J
Chromium	70	< 0.53	0.7 B	< 0.53	0.7 B	< 0.53	< 0.53	1.9 BJ	1.4 BJ	3.2 B	< 0.53	< 0.53	< 1.7
Cobalt	NS	< 0.51	< 0.51	< 0.51	1.7 B	< 50	6.9 B	3.5 B	3.1 B	< 0.51	< 0.51	< 0.51	0.7 BJ
Copper	1,300	< 2.5	2.2 B	< 10	< 0.7	< 10	< 2.5	< 0.7	< 0.7	< 0.7	< 10	< 0.7	< 2.5
Iron	300	< 7.4	52.6 B	**590**	**2540**	**21600**	**3030**	**1940**	**1680**	71.5 B	< 7.4	20.1 B	**34700 J**
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	1.7 B	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	2340 B	3860 B	8580	9040	50200	11400	30400	29200	3730 B	3440 B	6220	11800
Manganese	50	< 0.24	2.2 B	< 15	**680**	**1740**	**4670**	**2510**	**2350**	**87.2**	< 15	1.8 B	**773**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	0.074 B	< 0.049	< 0.049
Nickel	100	< 1.2	< 1.2	< 1.2	1.3 B	< 1.2	< 1.2	3.5 B	3.4 B	1.6 B	< 1.2	1.2 B	< 1.2
Potassium	NS	237 B	1520 B	1450 B	1760 B	3280 B	2350 B	2920 B	2830 B	1370 B	696 B	1330 B	6670 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	2330 B	3540 BJ	4330 B	41300	26800	42700	10700	10500	3830 BJ	2400 B	3370 BJ	15000
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	0.9 B	< 0.43	0.6 B	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	0.7 B	< 1.8
Zinc	2000	< 4	< 4	< 4	7.4 B	< 20	< 4	< 4	< 4	< 4	< 4	4.5 B	< 5
Metals - Dissolved													
Aluminum	200	< 24	< 24	< 24	< 24	109 BJ	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	1.7 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	5 B	7.8 BJ	5.9 B	29.7 B	14.4 B	29.5 B	15.9 B	15.4 B	10.5 B	2 B	7.1 B	429 J
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2 B	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	7130	10700	28000	34000	91400	45800	75900	71400	14700	8140	17300	117000 J
Chromium	70	< 0.53	< 0.53	< 0.53	0.8 B	< 0.53	< 0.53	1.6 BJ	1 BJ	< 0.53	< 0.53	< 0.53	< 0.9
Cobalt	NS	< 0.51	< 0.51	< 0.51	1.1 B	1 B	6.8 B	3.1 B	2.8 B	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	1.7 B	< 0.7	< 0.7	< 0.7	< 2.5	1.1 B	1.3 B	< 0.7	< 10	1 B	< 2.5
Iron	300	< 7.4	8 B	< 7.4	**1010**	**4000**	**1930**	**335 J**	**534 J**	18.2 B	< 7.4	< 7.4	**15100 J**
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	2280 B	3810 B	8080	9350	48000	10900	30300	28700	3760 B	3330 B	6130	11400

Sample ID		OB-1(080908)	OB-2 (080917)	OB-3(080909)	OB-4(080910)	OB-5(080909)	OB-6(080908)	OB-7(080910)	OB-7(080910) Dup	OB-10(080910)	OB-12(080909)	OB-13(080910)	OB-14A(080911)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/17/2008**	**9/9/2008**	**9/10/2008**	**9/9/2008**	**9/8/2008**	**9/10/2008**	**9/10/2008**	**9/10/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	< 0.24	1 B	< 15	**684**	**1640**	**4460**	**2460**	**2220**	**84.4**	< 0.24	2.8 B	**722**
Mercury	2	< 0.049	< 0.049	< 0.049	0.05 B	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 1.2	2 B	< 1.2	< 1.2	< 1.2	< 1.2	3.3 BJ	2.6 BJ	< 1.2	< 1.2	< 1.2	< 1.2
Potassium	NS	238 B	1510 B	1450 B	1750 B	3030 B	2180 B	2910 B	2770 B	1450 B	669 B	1300 B	6360 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	1 B	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	2240 B	3520 BJ	4110 B	41800	25600	40600	10600	10200	3870 B	2330 B	3360 B	14500
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	0.8 B	< 0.43
Zinc	2000	5.7 B	6.9 B	< 4	5.4 B	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Other													
Alkalinity, Bicarbonate	NS	14600	29700	61600	78300	402000	126000	307000	300000	36200	24800	48600	391000
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Alkalinity, total (as CaCO3)	NS	14600	29700	61600	78300	402000	126000	307000	300000	36200	24800	48600	391000
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	15
Nitrogen, Nitrate Nitrite	NS	< 100	2100	2200	< 100	< 100	< 100	< 100	< 100	< 100	460	300	< 100
Phosphorus, Total	NS	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	220
Chloride	250000	3300	< 2000	3400	79400	61400	87200	7200	6900	4000	< 2000	2100	17000
Nitrate	10000	< 110	2100	2200	< 110	< 110	< 110	< 110	< 110	< 110	460	300	< 110
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250000	10000	13200	41300	19600	< 10000	10800	< 10000	< 10000	15300	11600	19000	< 10000

Sample ID		OB-14B(080911)	OB-15B(080916)	OB-16(080911)	OB-17(080911)	OB-18(080911)	OB-19(080912)	OB-20A(080915)	OB-20B(080915)	OB-21(080912)	OB-24(080911)	OB-25(080918)
Sample Date	**GWQS[1]**	**9/11/2008**	**9/16/2008**	**9/11/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/11/2008**	**9/18/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs												
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	0.37 J	< 0.26	0.9 J	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	4.3	< 0.22	1.9	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29 J	< 0.29 J	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0
SVOCs												
1,1'-Biphenyl	400	< 0.58	< 0.55	< 0.59	< 0.59	< 0.58	< 0.61	NA	NA	< 0.58	< 0.58	< 0.58
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA	NA	NA	< 0.37	< 0.37	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	< 0.35	< 0.35	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	< 0.33	< 0.33	NA	NA	NA

Sample ID		OB-14B(080911)	OB-15B(080916)	OB-16(080911)	OB-17(080911)	OB-18(080911)	OB-19(080912)	OB-20A(080915)	OB-20B(080915)	OB-21(080912)	OB-24(080911)	OB-25(080918)
Sample Date	**GWQS[1]**	**9/11/2008**	**9/16/2008**	**9/11/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/11/2008**	**9/18/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA	NA	NA	< 0.35	< 0.35	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.2	< 2	< 2	< 2.1	< 2.1	< 2.1
2,4,6-Trichlorophenol	20	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7	< 1.7	< 1.6	< 1.6	< 1.7	< 1.7	< 1.7
2,4-Dichlorophenol	20	< 2	< 1.9	< 2.1	< 2.1	< 2	< 2.1	< 1.9	< 1.9	< 2	< 2	< 2
2,4-Dimethylphenol	100	< 2.1	< 2	< 2.1	< 2.1	< 2.1	< 2.2	< 2	< 2	< 2.1	< 2.1	< 2.1
2,4-Dinitrophenol	40	< 4.4	< 4.2	< 4.5	< 4.5	< 4.4	< 4.6	< 4.2	< 4.2	< 4.4	< 4.4	< 4.4
2,4-Dinitrotoluene	NS	< 0.48	< 0.45	< 0.49	< 0.49	< 0.48	< 0.5	< 0.45	< 0.45	< 0.48	< 0.48	< 0.48
2,6-Dinitrotoluene	NS	< 0.63	< 0.6	< 0.65	< 0.64	< 0.63	< 0.67	< 0.6	< 0.6	< 0.63	< 0.63	< 0.63
2-Chloronaphthalene	600	< 0.51	< 0.48	< 0.52	< 0.52	< 0.51	< 0.53	< 0.48	< 0.48	< 0.51	< 0.51	< 0.51
2-Chlorophenol	40	< 1.5	< 1.5	< 1.6	< 1.6	< 1.5	< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
2-Methylnaphthalene	NS	< 0.46	< 0.43	< 0.47	< 0.46	< 0.46	< 0.48	< 0.43	< 0.43	< 0.46	< 0.46	< 0.46
2-Methylphenol	NS	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.47	< 0.45	< 0.48	< 0.48	< 0.47	< 0.49	< 0.45	< 0.45	< 0.47	< 0.47	< 0.47
2-Nitrophenol	NS	< 2	< 1.9	< 2.1	< 2.1	< 2	< 2.1	< 1.9	< 1.9	< 2	< 2	< 2
3&4-Methylphenol	NS	< 1.5	< 1.5	< 1.6	< 1.6	< 1.5	< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
3,3'-Dichlorobenzidine	30	< 4.8	< 4.6	< 4.9	< 4.9	< 4.8	< 5	< 4.6	< 4.6	< 4.8	< 4.8	< 4.8
3-Nitroaniline	NS	< 0.47	< 0.45	< 0.48	< 0.48	< 0.47	< 0.5	< 0.45	< 0.45	< 0.47	< 0.47	< 0.47
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Bromophenyl phenyl ether	NS	< 0.43	< 0.41	< 0.44	< 0.44	< 0.43	< 0.46	< 0.41	< 0.41	< 0.43	< 0.43	< 0.43
4-Chloro-3-Methylphenol	NS	< 2.4	< 2.3	< 2.5	< 2.4	< 2.4	< 2.5	< 2.3	< 2.3	< 2.4	< 2.4	< 2.4
4-Chloroaniline	30	< 0.35	< 0.33	< 0.36	< 0.36	< 0.35	< 0.37	< 0.33	< 0.33	< 0.35	< 0.35	< 0.35
4-Chlorophenyl phenyl ether	NS	< 0.48	< 0.45	< 0.49	< 0.49	< 0.48	< 0.5	< 0.45	< 0.45	< 0.48	< 0.48	< 0.48
4-Nitroaniline	NS	< 0.48	< 0.45	< 0.49	< 0.48	< 0.48	< 0.5	< 0.45	< 0.45	< 0.48	< 0.48	< 0.48
4-Nitrophenol	NS	< 2.4	< 2.3	< 2.4	< 2.4	< 2.4	< 2.5	< 2.3	< 2.3	< 2.4	< 2.4	< 2.4
Acetophenone	700	< 0.49	< 0.47	< 0.5	< 0.5	< 0.49	< 0.51	NA	NA	< 0.49	< 0.49	< 0.49
Atrazine	3	< 0.65	< 0.62	< 0.66	< 0.66	< 0.65	< 0.68	NA	NA	< 0.65	< 0.65	< 0.65
Benzaldehyde	NS	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7	< 1.8	NA	NA	< 1.7	< 1.7	< 1.7
Benzyl butyl phthalate	100	< 0.44	< 0.42	< 0.45	< 0.45	< 0.44	< 0.46	< 0.42	< 0.42	< 0.44	< 0.44	< 0.44
bis(2-Chloroethoxy)methane	NS	< 0.54	< 0.52	< 0.56	< 0.55	< 0.54	< 0.57	< 0.52	< 0.52	< 0.54	< 0.54	< 0.54
bis(2-Chloroethyl)ether	7	< 0.52	< 0.49	< 0.53	< 0.53	< 0.52	< 0.54	< 0.49	< 0.49	< 0.52	< 0.52	< 0.52
bis(2-Chloroisopropyl)ether	300	< 0.57	< 0.54	< 0.58	< 0.58	< 0.57	< 0.6	< 0.54	< 0.54	< 0.57	< 0.57	< 0.57
bis(2-Ethylhexyl)phthalate	3	< 0.79	< 0.75	< 0.81	< 0.8	< 0.79	< 0.83	< 0.75	< 0.75	< 0.79	< 0.79	< 0.79
Caprolactam	NS	< 0.66	< 0.63	< 0.67	< 0.67	< 0.66	< 0.69	NA	NA	< 0.66	< 0.66	< 0.66
Carbazole	NS	< 0.47	< 0.45	< 0.48	< 0.48	< 0.47	< 0.5	< 0.45	< 0.45	< 0.47	< 0.47	< 0.47
Dibenzofuran	NS	< 0.51	< 0.49	< 0.52	< 0.52	< 0.51	< 0.54	< 0.49	< 0.49	< 0.51	< 0.51	< 0.51
Diethyl phthalate	6000	< 0.38	< 0.36	< 0.39	< 0.39	< 0.38	< 0.4	< 0.36	< 0.36	< 0.38	< 0.38	< 0.38
Dimethyl phthalate	NS	< 0.38	< 0.36	< 0.39	< 0.39	< 0.38	< 0.4	< 0.36	< 0.36	< 0.38	< 0.38	< 0.38
di-n-butyl phthalate	700	< 0.53	< 0.5	< 0.54	< 0.53	< 0.53	< 0.55	< 0.5	< 0.5	< 0.53	< 0.53	< 0.53
di-n-octylphthalate	100	< 0.52	< 0.5	< 0.53	< 0.53	< 0.52	< 0.55	< 0.5	< 0.5	< 0.52	< 0.52	< 0.52
Hexachlorobutadiene	1	< 0.39	< 0.38	< 0.4	< 0.4	< 0.39	< 0.41	< 0.38	< 0.38	< 0.39	< 0.39	< 0.39
Hexachlorocyclopentadiene	40	< 4.8	< 4.5	< 4.9	< 4.8	< 4.8	< 5	< 4.5	< 4.5	< 4.8	< 4.8	< 4.8
Hexachloroethane	7	< 0.32	< 0.3	< 0.32	< 0.32	< 0.32	< 0.33	< 0.3	< 0.3	< 0.32	< 0.32	< 0.32
Isophrone	40	< 0.73	< 0.69	< 0.74	< 0.74	< 0.73	< 0.76	< 0.69	< 0.69	< 0.73	< 0.73	< 0.73
Nitrobenzene	6	< 0.69	< 0.66	< 0.71	< 0.7	< 0.69	< 0.73	< 0.66	< 0.66	< 0.69	< 0.69	< 0.69
N-Nitroso-di-n-Propylamine	10	< 0.41	< 0.39	< 0.42	< 0.42	< 0.41	< 0.44	< 0.39	< 0.39	< 0.41	< 0.41	< 0.41
N-Nitrosodiphenylamine	10	< 0.64	< 0.61	< 0.65	< 0.65	< 0.64	< 0.67	< 0.61	0.61 J	< 0.64	< 0.64	< 0.64
Phenol	2000	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total TIC, Semi-Volatile	NS	0	4 J	0	0	0	0	0	4.3 J	0	0	0
SVOCs BY SIM												
Acenaphthene	400	< 0.017	< 0.016	< 0.017	< 0.017	< 0.017	< 0.018	< 0.016	< 0.016	< 0.017	< 0.017	< 0.017
Acenaphthylene	NS	< 0.0074	< 0.007	< 0.0075	< 0.0075	< 0.0074	< 0.0077	< 0.007	< 0.007	< 0.0074	< 0.0074	< 0.0074
Anthracene	2000	< 0.022	< 0.021	< 0.023	< 0.022	< 0.022	< 0.023	< 0.021	< 0.021	< 0.022	< 0.022	< 0.022
Benzo(a)anthracene	0.1 [0.2]	< 0.035	< 0.034	< 0.036	< 0.036	< 0.035	< 0.037	< 0.034	< 0.034	< 0.035	< 0.035	< 0.035
Benzo(a)pyrene	0.1 [0.2]	< 0.037	< 0.036	< 0.038	< 0.038	< 0.037	< 0.039	< 0.036	< 0.036	< 0.037	< 0.037	< 0.037
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.017	< 0.018	< 0.018	< 0.018	< 0.019	< 0.017	< 0.017	< 0.018	< 0.018	< 0.018
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.02	< 0.019	< 0.02	< 0.02	< 0.02	< 0.021	< 0.019	< 0.019	< 0.02	< 0.02	< 0.02

Sample ID		OB-14B(080911)	OB-15B(080916)	OB-16(080911)	OB-17(080911)	OB-18(080911)	OB-19(080912)	OB-20A(080915)	OB-20B(080915)	OB-21(080912)	OB-24(080911)	OB-25(080918)
Sample Date	**GWQS[1]**	**9/11/2008**	**9/16/2008**	**9/11/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/11/2008**	**9/18/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.019	< 0.018	< 0.019	< 0.019	< 0.019	< 0.019	< 0.018	< 0.018	< 0.019	< 0.019	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.021	< 0.02	< 0.022	< 0.022	< 0.021	< 0.022	< 0.02	< 0.02	< 0.021	< 0.021	< 0.021
Fluoranthene	300	< 0.01	< 0.0096	< 0.01	< 0.01	< 0.01	< 0.011	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.01
Fluorene	300	< 0.021	< 0.02	< 0.021	< 0.021	< 0.021	< 0.022	< 0.02	< 0.02	< 0.021	< 0.021	< 0.021
Hexachlorobenzene	0.02 [10]	< 0.01	< 0.0099	< 0.011	< 0.011	< 0.01	< 0.011	< 0.0099	< 0.0099	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.015	< 0.014	< 0.015	< 0.015	< 0.015	< 0.016	< 0.014	< 0.014	< 0.015	< 0.015	< 0.015
Naphthalene	300	< 0.015	< 0.014	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014	0.815	< 0.015	< 0.015	< 0.015
Pentachlorophenol	0.3 [1]	< 0.23	< 0.22 J	< 0.24	< 0.24	< 0.23	< 0.25	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23
Phenanthrene	NS	< 0.018	< 0.017	< 0.018	< 0.018	< 0.018	< 0.019	< 0.017	< 0.017	< 0.018	< 0.018	< 0.018
Pyrene	200	< 0.013	< 0.012	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013	< 0.013	< 0.013
PCBs												
PCB 1016	0.5	< 0.096	< 0.096	< 0.1	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.096	< 0.1
PCB 1221	0.5	< 0.48	< 0.48	< 0.5	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.48	< 0.51
PCB 1232	0.5	< 0.4	< 0.4	< 0.41	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.4	< 0.42
PCB 1242	0.5	< 0.17	< 0.17	< 0.17	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.18
PCB 1248	0.5	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16
PCB 1254	0.5	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12
PCB 1260	0.5	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0
Metals - Total												
Aluminum	200	< 24	< 24	< 24	**683**	< 114 J	< 56.5 J	**367 J**	107 BJ	**2760**	**686**	**43100**
Antimony	6	< 2	< 1.8	< 1.8	2.5 B	< 1.8	< 1.8	< 1.8	< 1.8	< 2.1	< 2.5	3.1 B
Arsenic	3 [8]	2 BJ	1.7 B	**7.4**	< 1.7	< 1.7	**4 J**	**7.8**	**3.8**	< 1.7	2.5 BJ	**19.8**
Barium	2000	40.2 BJ	11.7 B	80.4 BJ	38.6 BJ	8.5 BJ	78.8 BJ	113 B	57.4 B	< 22.9 J	52.5 BJ	232
Beryllium	1	**2.6**	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.3 B	< 0.15	< 0.15	**1.4**
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.4	0.3 B	< 0.28	< 0.28	< 0.28	2.1 BJ
Calcium	NS	91200 J	23300	123000 J	18700 J	34900 J	16300	23300	44400	9350 J	91400 J	48700
Chromium	70	< 1	< 0.53	< 1.6	< 5.3	< 1.5	0.9 BJ	1.1 BJ	< 0.53	< 3.8	< 1.8	51.1
Cobalt	NS	< 0.51	< 0.51	< 1.2	< 0.51	< 0.51	1.5 BJ	3.5 B	19.8 B	1.9 BJ	< 0.51	34.6 B
Copper	1,300	< 0.7	< 1.1	< 2.5	18.9	< 2.5	< 0.7	1.4 B	1.6 B	15.3	3.7 B	124
Iron	300	**516 J**	64.8 BJ	**12200 J**	79.9 BJ	< 66.8 J	**20000**	**24400**	**29200**	**3150 J**	**1520 J**	**69500**
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	**45.7**
Magnesium	NS	27500	5790	18000	5660	7420	2850 B	2450 B	8580	4490 B	20700	20900
Manganese	50	**1560**	**1300**	**3250**	**64.5**	4.9 BJ	**755**	**1300**	**7060**	**241**	**742**	**2110**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	0.15 B
Nickel	100	< 1.2	2.5 B	< 1.2	< 2.4	< 1.2	< 2	4.5 B	3.5 B	< 5.9	< 1.5	72.2
Potassium	NS	2840 B	702 BJ	10000	1260 B	288 B	1220 BJ	2430 B	2580 B	1380 B	3740 B	11000
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.3 B	< 1.6	2.7 B	< 1.9	< 1.6	4.5 B
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	19800	4250 B	25100	4950 B	5230 B	< 3200	3230 B	4620 B	< 3150 J	12200	37400 J
Thallium	2 [10]	1.3 BJ	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	1.3 B	0.6 BJ	< 0.43	< 0.43	1.9 BJ	3.3 B	3.1 B	4.5 B	3.3 B	77.8
Zinc	2000	< 6.5	5.1 B	< 4	28.6 J	< 5.1	< 27.4 J	84.9	8.9 B	< 16.5 J	< 6.5	262
Metals - Dissolved												
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	94.9 BJ	< 24	< 28.3	< 24	32.3 B
Antimony	6	< 1.8	< 1.8	< 1.8	< 2.1	< 1.8	< 1.8	2.2 B	< 1.8	< 1.8	< 2.1	< 1.8
Arsenic	3 [8]	2.6 BJ	< 1.7	2.6 BJ	< 1.7	< 1.7	< 1.7	**5.3**	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	38.8 BJ	1.2 B	62.5 BJ	6.6 J	7.2 J	70.3 BJ	104 B	35 B	< 3.4 J	47.2 BJ	17.9 B
Beryllium	1	**2.8**	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2 B	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	0.3 B	< 0.28	< 0.28	< 0.28	0.4 B
Calcium	NS	91400 J	22000	120000 J	19400 J	35400 J	15900	22800	41000	8830 J	89400 J	45800
Chromium	70	< 0.53	2.2 B	< 1.2	< 0.53	< 1	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
Cobalt	NS	< 0.51	< 0.51	1.1 BJ	< 0.51	< 0.51	< 0.8	3.1 B	18.5 B	< 0.51	< 0.51	< 0.51
Copper	1,300	< 0.7	< 1.1	< 2.5	< 2.5	< 2.5	< 0.7	< 1.1	< 1.1	< 2.5	< 2.5	5 B
Iron	300	< 64.3 J	11.2 B	**3660 J**	< 25	< 18 J	**3920**	**15600**	**823**	< 34.3 J	< 17.9 J	8.1 B
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	27700	5510	17600	5820	7500	2800 B	2310 B	8000	3810 B	20000	9760

Sample ID		**OB-14B(080911)**	**OB-15B(080916)**	**OB-16(080911)**	**OB-17(080911)**	**OB-18(080911)**	**OB-19(080912)**	**OB-20A(080915)**	**OB-20B(080915)**	**OB-21(080912)**	**OB-24(080911)**	**OB-25(080918)**
Sample Date	**GWQS[1]**	**9/11/2008**	**9/16/2008**	**9/11/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/11/2008**	**9/18/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	**1600**	**217**	**3210**	**57.6**	< 1.4	**710**	**1250**	**6690**	< 2.2	**538**	**79.4**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	3.4 B	3.7 B	< 1.2	< 1.2	2 B
Potassium	NS	2880 B	642 B	9760 B	1170 B	246 B	1050 BJ	2220 B	2280 B	778 B	3610 B	4130 B
Selenium	40	< 1.8	< 1.6	< 2.1	< 1.6	< 1.6	< 1.6	2.1 B	2 B	< 1.6	< 2.1	2.7 BJ
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	20300	4080 B	24600	5090 B	5300 B	< 3130	3200 B	4230 B	< 3250 J	11900	40700 J
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	1.1 B	< 0.43	< 0.43	< 0.43	< 0.43	1.8 B	< 0.43	< 0.43	0.5 BJ	< 0.43
Zinc	2000	< 4	< 4	< 4	< 4	< 4	< 19.7 J	79.3	5.5 B	< 5.4	< 4	< 4
Other												
Alkalinity, Bicarbonate	NS	338000	56700	442000	67500	127000	56700	83200	167000	38300	269000	139000
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Alkalinity, total (as CaCO3)	NS	339000	56700	442000	67500	127000	56700	83200	167000	38300	269000	139000
Cyanide	100	< 10	< 10	< 10	< 10	21	< 10	< 10	< 10	< 10	< 10	< 10 J
Nitrogen, Nitrate Nitrite	NS	< 100	< 100	< 100	260	< 100	< 100	< 100	< 100	< 100	500	750
Phosphorus, Total	NS	< 50	130	180	< 50	59	< 50	130	330	160	110	89
Chloride	250000	38300	< 2000	34600	5900	< 2000	< 2000	< 2000	< 2000	< 2000	55700	58800
Nitrate	10000	< 110	< 110	< 110 J	260 J	< 110 J	< 110	< 110	< 110	< 110	500 J	750
Nitrogen, Nitrite	1,000	< 10	< 10	< 10 J	< 10 J	< 10 J	< 10	< 10	< 10	< 10	< 10 J	< 10
Sulfate	250000	20300	15500	13300	14100	14500	< 10000	15700	< 10000	11600	19900	28700

Sample ID		OB-26(080916)	PM AIRSHAFT-180	PM AIRSHAFT-230	RW1(11-31)	RW1(59-79)	RW1(59-79) Dup	RW1(98-118)	RW-1 (126-146)	RW2(20-50)	RW-2 (103-133)	RW-2(279-309)	RW3 (62-98)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/18/2008**	**9/18/2008**	**9/18/2008**	**9/19/2008**	**9/19/2008**	**9/19/2008**	**9/22/2008**	**9/16/2008**	**9/17/2008**	**9/11/2008**	**9/8/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs													
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.39 J
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	0.38 J	0.28 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	1.3	0.96 J	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	5.9	4.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	**26.4**	**29.1**	**9.8**	**8.6**	**8.4**	**2**	**6.2**	**7.4**	**43.8**	< 6	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	6.4	6.9	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	21.6	19	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	3.4	3.1	2.2	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	2.6 J	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	0.66 J	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	12.2	8.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	0.63 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	0.64 J	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	15.7	14.7	14.2	5.9	13.8	8.2	51.8	< 45	20.6
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	1.9	3.7	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	0.95 J	< 0.39	< 0.39
Xylenes	1,000	< 0.39	2.6	3.7	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	0.95 J	< 0.39	< 0.39
Total TIC, Volatile	NS	0	36.3 J	5.8 J	0	0	0	0	0	0	0	0	0
SVOCs													
1,1'-Biphenyl	400	< 0.55	< 0.55	< 0.55	< 0.55	< 0.58	< 0.58	< 0.56	< 0.57	< 0.56	< 0.55	< 0.59	< 0.59
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		OB-26(080916)	PM AIRSHAFT-180	PM AIRSHAFT-230	RW1(11-31)	RW1(59-79)	RW1(59-79) Dup	RW1(98-118)	RW-1 (126-146)	RW2(20-50)	RW-2 (103-133)	RW-2(279-309)	RW3 (62-98)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/18/2008**	**9/18/2008**	**9/18/2008**	**9/19/2008**	**9/19/2008**	**9/19/2008**	**9/22/2008**	**9/16/2008**	**9/17/2008**	**9/11/2008**	**9/8/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2	< 2	< 2	< 2	< 2.1	< 2.1	< 2	< 2.1	< 2	< 2	< 2.1	< 2.1
2,4,6-Trichlorophenol	20	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.7
2,4-Dichlorophenol	20	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 2	< 2	< 2	< 2	< 1.9	< 2.1	< 2.1
2,4-Dimethylphenol	100	< 2	< 2	< 2	< 2	< 2.1	< 2.1	< 2	< 2.1	< 2	< 2	< 2.1	< 2.1
2,4-Dinitrophenol	40	< 4.2	< 4.2	< 4.2	< 4.2	< 4.4	< 4.4	< 4.3	< 4.3	< 4.3	< 4.2	< 4.4	< 4.4
2,4-Dinitrotoluene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.48	< 0.48	< 0.47	< 0.47	< 0.46	< 0.45	< 0.48	< 0.48
2,6-Dinitrotoluene	NS	< 0.6	< 0.6	< 0.6	< 0.6	< 0.63	< 0.64	< 0.62	< 0.63	< 0.61	< 0.6	< 0.64	< 0.64
2-Chloronaphthalene	600	< 0.48	< 0.48	< 0.48	< 0.48	< 0.51	< 0.51	< 0.5	< 0.5	< 0.49	< 0.48	< 0.51	< 0.51
2-Chlorophenol	40	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
2-Methylnaphthalene	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.46	< 0.46	< 0.44	< 0.45	< 0.44	< 0.43	< 0.46	< 0.46
2-Methylphenol	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.5
2-Nitroaniline	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.47	< 0.47	< 0.46	< 0.46	< 0.45	< 0.45	< 0.47	< 0.47
2-Nitrophenol	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 2	< 2	< 2	< 2	< 2	< 1.9	< 2.1	< 2.1
3&4-Methylphenol	NS	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.6	< 1.5	< 1.5	< 1.5	< 1.5	< 1.6	< 1.6
3,3'-Dichlorobenzidine	30	< 4.6	< 4.6	< 4.6	< 4.6	< 4.8	< 4.8	< 4.7	< 4.7	< 4.6	< 4.6	< 4.8	< 4.8
3-Nitroaniline	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.47	< 0.48	< 0.46	< 0.47	< 0.46	< 0.45	< 0.48	< 0.48
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
4-Bromophenyl phenyl ether	NS	< 0.41	< 0.41	< 0.41	< 0.41	< 0.43	< 0.44	< 0.42	< 0.43	< 0.42	< 0.41	< 0.44	< 0.44
4-Chloro-3-Methylphenol	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.4	< 2.4	< 2.3	< 2.4	< 2.3	< 2.3	< 2.4	< 2.4
4-Chloroaniline	30	< 0.33	< 0.33	< 0.33	< 0.33	< 0.35	< 0.35	< 0.34	< 0.35	< 0.34	< 0.33	< 0.36	< 0.36
4-Chlorophenyl phenyl ether	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.48	< 0.48	< 0.47	< 0.47	< 0.46	< 0.45	< 0.48	< 0.48
4-Nitroaniline	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.48	< 0.48	< 0.46	< 0.47	< 0.46	< 0.45	< 0.48	< 0.48
4-Nitrophenol	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.4	< 2.4	< 2.3	< 2.3	< 2.3	< 2.3	< 2.4	< 2.4
Acetophenone	700	< 0.47	< 0.47	< 0.47	< 0.47	< 0.49	< 0.49	< 0.48	< 0.49	< 0.48	< 0.47	< 0.5	< 0.5
Atrazine	3	< 0.62	< 0.62	< 0.62	< 0.62	< 0.65	< 0.65	< 0.63	< 0.64	< 0.63	< 0.62	< 0.66	< 0.66
Benzaldehyde	NS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.7	< 1.7	< 1.6	< 1.7	< 1.6	< 1.6 R	< 1.7	< 1.7
Benzyl butyl phthalate	100	< 0.42	< 0.42	< 0.42	< 0.42	< 0.44	< 0.44	< 0.43	< 0.44	< 0.43	< 0.42	< 0.44	< 0.44
bis(2-Chloroethoxy)methane	NS	< 0.52	< 0.52	< 0.52	< 0.52	< 0.54	< 0.55	< 0.53	< 0.54	< 0.53	< 0.52	< 0.55	< 0.55
bis(2-Chloroethyl)ether	7	< 0.49	< 0.49	< 0.49	< 0.49	< 0.52	< 0.52	< 0.51	< 0.51	< 0.5	< 0.49	< 0.52	< 0.52
bis(2-Chloroisopropyl)ether	300	< 0.54	< 0.54	< 0.54	< 0.54	< 0.57	< 0.58	< 0.56	< 0.57	< 0.56	< 0.54	< 0.58	< 0.58
bis(2-Ethylhexyl)phthalate	3	< 0.75	< 0.75	< 0.75	< 0.75	< 0.79	< 0.8	< 0.77	< 0.78	< 0.77	< 0.75	< 0.8	**8.5**
Caprolactam	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.66	< 0.66	< 0.64	< 0.65	< 0.64	< 0.63	< 0.67	< 0.67
Carbazole	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.47	< 0.48	< 0.46	< 0.47	< 0.46	< 0.45	< 0.48	< 0.48
Dibenzofuran	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.51	< 0.52	< 0.5	< 0.51	< 0.5	< 0.49	< 0.52	< 0.52
Diethyl phthalate	6000	< 0.36	< 0.36	< 0.36	< 0.36	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.36	< 0.38	< 0.38
Dimethyl phthalate	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.38	< 0.38	< 0.37	< 0.38	< 0.37	< 0.36	< 0.38	< 0.38
di-n-butyl phthalate	700	< 0.5	< 0.5	< 0.5	< 0.5	< 0.53	< 0.53	< 0.51	< 0.52	< 0.51	< 0.5	< 0.53	< 0.53
di-n-octylphthalate	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.52	< 0.53	< 0.51	< 0.52	< 0.51	< 0.5	< 0.53	< 0.53
Hexachlorobutadiene	1	< 0.38	< 0.38	< 0.38	< 0.38	< 0.39	< 0.4	< 0.38	< 0.39	< 0.38	< 0.38	< 0.4	< 0.4
Hexachlorocyclopentadiene	40	< 4.5	< 4.5	< 4.5	< 4.5	< 4.8	< 4.8	< 4.6	< 4.7	< 4.6	< 4.5	< 4.8	< 4.8
Hexachloroethane	7	< 0.3	< 0.3	< 0.3	< 0.3	< 0.32	< 0.32	< 0.31	< 0.31	< 0.31	< 0.3	< 0.32	< 0.32
Isophrone	40	< 0.69	< 0.69	< 0.69	< 0.69	< 0.73	< 0.73	< 0.71	< 0.72	< 0.71	< 0.69	< 0.74	< 0.74
Nitrobenzene	6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.69	< 0.7	< 0.68	< 0.69	< 0.67	< 0.66	< 0.7	< 0.7
N-Nitroso-di-n-Propylamine	10	< 0.39	< 0.39	< 0.39	< 0.39	< 0.41	< 0.42	< 0.4	< 0.41	< 0.4	< 0.39	< 0.42	< 0.42
N-Nitrosodiphenylamine	10	< 0.61	1.1 J	0.86 J	< 0.61	< 0.64	< 0.64	< 0.62	< 0.63	< 0.62	< 0.61	< 0.65	< 0.65
Phenol	2000	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total TIC, Semi-Volatile	NS	0	138 J	130 J	0	0	0	0	0	0	0	0	0
SVOCs BY SIM													
Acenaphthene	400	< 0.016	< 0.016	< 0.016	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017	< 0.016	< 0.016	< 0.017	< 0.017
Acenaphthylene	NS	< 0.007	< 0.007	< 0.007	< 0.007	< 0.0074	< 0.0074	< 0.0072	< 0.0073	< 0.0071	< 0.007	< 0.0074	< 0.0074
Anthracene	2000	< 0.021	< 0.021	< 0.021	< 0.021	< 0.022	< 0.022	< 0.022	< 0.022	< 0.021	< 0.021	< 0.022	< 0.022
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.034	< 0.034	< 0.034	< 0.035	< 0.036	< 0.035	< 0.035	< 0.034	< 0.034	< 0.036	< 0.036
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.036	< 0.036	< 0.036	< 0.037	< 0.038	< 0.036	< 0.037	< 0.036	< 0.036	< 0.038	< 0.038
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.017	< 0.017	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.018
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.019	< 0.019	< 0.019	< 0.019	< 0.02	< 0.02	< 0.019	< 0.02	< 0.019	< 0.019	< 0.02	< 0.02

Sample ID		OB-26(080916)	PM AIRSHAFT-180	PM AIRSHAFT-230	RW1(11-31)	RW1(59-79)	RW1(59-79) Dup	RW1(98-118)	RW-1 (126-146)	RW2(20-50)	RW-2 (103-133)	RW-2(279-309)	RW3 (62-98)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/18/2008**	**9/18/2008**	**9/18/2008**	**9/19/2008**	**9/19/2008**	**9/19/2008**	**9/22/2008**	**9/16/2008**	**9/17/2008**	**9/11/2008**	**9/8/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.018	< 0.018	< 0.018	< 0.018	< 0.019	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.019	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.02	< 0.021	< 0.021
Fluoranthene	300	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.01	< 0.01	< 0.0098	< 0.01	< 0.0098	< 0.0096	< 0.01	< 0.01
Fluorene	300	< 0.02	< 0.02	< 0.02	< 0.02	< 0.021	< 0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.021	< 0.021
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.0099	< 0.011	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014	< 0.015	< 0.015
Naphthalene	300	< 0.014	4.3	2.4	< 0.014	< 0.015	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015	< 0.015
Pentachlorophenol	0.3 [1]	< 0.22 J	< 0.22	< 0.22	< 0.22	< 0.23	< 0.24	< 0.23	< 0.23	< 0.23 J	< 0.22	< 0.24	< 0.24
Phenanthrene	NS	< 0.017	< 0.017	< 0.017	< 0.017	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.018
Pyrene	200	< 0.012	< 0.012	< 0.012	< 0.012	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.013	< 0.013
PCBs													
PCB 1016	0.5	< 0.099	< 0.098	< 0.099	< 0.099	< 0.1	< 0.1	< 0.1	< 0.096	< 0.096	< 0.098	< 0.099	< 0.099
PCB 1221	0.5	< 0.49	< 0.49	< 0.49	< 0.49	< 0.51	< 0.52	< 0.52	< 0.48	< 0.48	< 0.49	< 0.49	< 0.49
PCB 1232	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.42	< 0.43	< 0.43	< 0.4	< 0.4	< 0.41	< 0.41	< 0.41
PCB 1242	0.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
PCB 1248	0.5	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.17	< 0.17	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
PCB 1254	0.5	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
PCB 1260	0.5	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	200	**504**	76.2 B	91.5 B	**347**	< 24	< 24	< 24	< 24	< 24	35.4 B	**295 J**	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 3.5	< 1.8
Arsenic	3 [8]	2.7 B	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	1.7 B	< 1.7	< 1.7
Barium	2000	32.1 B	592	624	8.2 B	4.9 B	4.8 B	1.7 B	2.6 B	46.8 B	58.4 BJ	66 BJ	44.9 B
Beryllium	1	< 0.15	< 0.15 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	2.2 BJ	2.6 BJ	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	12400	98800	109000	7400	24900	25400	28700	27600	51200	57800	79100 J	56500
Chromium	70	< 0.53	< 0.53	< 0.53	2.4 B	< 0.53	< 0.53	0.6 B	1.1 B	< 0.53	2 B	< 2.7	< 0.53
Cobalt	NS	< 0.51	2.6 B	2.8 B	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	1 B	1.8 BJ	< 0.51
Copper	1,300	3 B	< 1.1	< 1.1	4.7 B	< 1.1	1.1 B	1.2 B	3.6 B	4.3 B	5.1 B	12.1	4.1 B
Iron	300	**511**	**147000**	**169000**	**323**	< 7.4	< 7.4	48.4 BJ	14.5 B	73.4 BJ	**349**	**1300 J**	253
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	**21.2**	1.6 B
Magnesium	NS	3750 B	10500	12000	2410 B	4990 B	5090	4330 B	3970 B	17900	19600	25200	16600
Manganese	50	20.7	**2400**	**2810**	11.5 B	2.4 B	2.6 B	2 B	11.9 B	**199**	**215**	**980**	**167**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 1.2	< 1.2	< 1.2	3 B	< 1.2	< 1.2	< 1.2	< 1.2	2.2 B	5.2 B	< 6.1	< 1.2
Potassium	NS	1490 B	5240 B	6300 B	509 B	719 B	820 B	578 B	940 B	2060 B	2340 B	1850 B	1930 B
Selenium	40	< 1.6	5.7 B	5 B	1.6 B	< 1.6 J	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	3820 B	24500 J	30500 J	2310 BJ	3890 BJ	3980 BJ	5130 BJ	5600 B	**97800**	**85100 J**	**79100**	8130 BJ
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	1.4 B	22 B	25.7 B	< 0.43	< 0.43	< 0.43	< 0.43	0.8 B	< 0.43	< 0.43	1.7 B	< 0.43
Zinc	2000	13.3 B	< 4	< 4	253	89	93.5	36 J	68.4 J	329	**2690 J**	**5670**	220
Metals - Dissolved													
Aluminum	200	< 24	< 24	< 24	< 24	39.7 B	< 24	< 24	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	2.4 B	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	30.5 B	364	332	6.4 B	4.7 B	4.5 B	1.6 B	2.4 B	44.3 B	54.4 BJ	54.1 BJ	40.2 B
Beryllium	1	< 0.15	0.28 BJ	0.14 B	< 0.1	< 0.1	0.15 B	< 0.1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	1.6 B	1.9 B	0.7 B	< 0.28	0.4 B	0.3 B	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	12600	97200	103000	7290	24700	24500	30100	26700	49400	56000	77700 J	50800
Chromium	70	0.8 B	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	0.9 B	0.8 B	< 1.1	< 0.53
Cobalt	NS	< 0.51	1.3 B	1.5 B	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	0.6 B	< 0.51	< 0.51	< 0.51
Copper	1,300	2.3 B	< 1.1	< 1.1	1.8 B	< 1.1	1.4 B	1.3 B	2.2 B	4.9 B	4.2 B	< 2.5	< 2.5
Iron	300	18.3 B	**90800**	**98100**	< 7.4	< 7.4	< 7.4	< 7.4	< 7.4	24.7 B	27.4 B	< 17 J	< 7.4
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	3650 B	10500	11500	2320 B	4960 B	4890 B	4540 B	3850 B	17300	18700	24400	15000

Sample ID		OB-26(080916)	PM AIRSHAFT-180	PM AIRSHAFT-230	RW1(11-31)	RW1(59-79)	RW1(59-79) Dup	RW1(98-118)	RW-1 (126-146)	RW2(20-50)	RW-2 (103-133)	RW-2(279-309)	RW3 (62-98)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/18/2008**	**9/18/2008**	**9/18/2008**	**9/19/2008**	**9/19/2008**	**9/19/2008**	**9/22/2008**	**9/16/2008**	**9/17/2008**	**9/11/2008**	**9/8/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	12.4 B	**2380**	**2590**	5.4 B	2.3 B	2.6 B	1.9 B	10.2 B	**193**	**188**	**226**	**143**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 1.2	< 1.2	< 1.2	2.8 B	< 1.2	1.2 B	< 1.2	< 1.2	2.1 B	5 B	< 5.3	< 1.2
Potassium	NS	1410 B	5080 B	5650 B	450 B	536 B	866 B	776 B	905 B	1970 B	2080 B	1880 B	1620 B
Selenium	40	2.4 B	2.7 BJ	2.2 BJ	2.2 BJ	28.8 J	< 1.6 J	< 1.6 J	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	3890 B	24500 J	29000 J	2280 BJ	3860 BJ	3810 BJ	5340 BJ	5350 B	**94300**	**92500 J**	**77700**	7120 BJ
Thallium	2 [10]	< 1.3	1.7 B	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	1.9 B	< 1.3	< 1.3	< 1.3	1.3 B
Vanadium	NS	0.5 B	11.4 B	12.3 B	< 0.43	< 0.43	< 0.43	< 0.43	0.5 B	< 0.43	< 0.43	< 0.43	< 0.43
Zinc	2000	13.2 B	< 4	< 4	241	82.7	89.3	33.2	96.4 J	327	**2800 J**	**5370**	178
Other													
Alkalinity, Bicarbonate	NS	22700	355000	397000	8600	64700	62600	72000	74200	84800	99300	148000	157000
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Alkalinity, total (as CaCO3)	NS	22700	355000	397000	8600	64800	62600	72400	74500	84800	99400	148000	158000
Cyanide	100	< 10	< 10 J	< 10 J	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrogen, Nitrate Nitrite	NS	3300	< 200	< 100	< 100	< 100	< 100	< 100	< 100	5500	4800	3200	650
Phosphorus, Total	NS	< 50	310	160	< 50	< 50	< 50	< 50	< 50	< 50	< 50	72	< 50
Chloride	250000	4400	9200	11000	3700	9300	9300	5000	4500	205000	222000	**258000**	17600
Nitrate	10000	3300	< 210	< 110	< 110	< 110	< 110	< 110	< 110	5500	4800	3100	650
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	40	52	< 10
Sulfate	250000	15900	< 10000	< 10000	15500	14000	14100	18500	19800	22200	22600	23000	12900

Sample ID		RW4(57-77)	RW4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-5 (080917)	RW-5 (080917) Dup	RW-5A(080912)	RW-6(080915)	RW-6A(080915)	RW-7(080912)	SC-1 (080917)	SC-2 (080917)
Sample Date	**GWQS[1]**	**9/15/2008**	**9/16/2008**	**9/9/2008**	**9/10/2008**	**9/17/2008**	**9/17/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/17/2008**	**9/17/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs													
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.72 J	0.62 J	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	**14.3**	**3.3**	0.3 J	< 0.26	0.41 J	0.42 J	< 0.26	**2.1**	**2.9**	< 0.26	0.81 J	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	17.6	18.2	< 0.22	7.7	2.3	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	1.6	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	0.88 J	5.1	< 0.19	1.7 J	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.49 J	0.68 J	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	3.3	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	20.3	5.1	21.4	4.2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.36 J	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	49.6	< 0.39	16.6	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	49.6	< 0.39	19.9	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	117.2 J	0	45.4 J	0
SVOCs													
1,1'-Biphenyl	400	NA	< 0.55	< 0.6	< 0.61	< 0.61	< 0.55	< 0.63	NA	NA	< 0.57	< 0.55	< 0.62
1,2,4-Trichlorobenzene	9	< 0.37	NA	NA	NA	NA	NA	NA	< 0.37	< 0.37	NA	NA	NA
1,2-Dichlorobenzene	600	< 0.35	NA	NA	NA	NA	NA	NA	< 0.35	< 0.35	NA	NA	NA
1,3-Dichlorobenzene	600	< 0.33	NA	NA	NA	NA	NA	NA	< 0.33	< 0.33	NA	NA	NA

Sample ID		RW4(57-77)	RW4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-5 (080917)	RW-5 (080917) Dup	RW-5A(080912)	RW-6(080915)	RW-6A(080915)	RW-7(080912)	SC-1 (080917)	SC-2 (080917)
Sample Date	**GWQS[1]**	**9/15/2008**	**9/16/2008**	**9/9/2008**	**9/10/2008**	**9/17/2008**	**9/17/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/17/2008**	**9/17/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	< 0.35	NA	NA	NA	NA	NA	NA	< 0.35	< 0.35	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2	< 2	< 2.2	< 2.2	< 2.2	< 2	< 2.3	< 2	< 2	< 2	< 2	< 2.2
2,4,6-Trichlorophenol	20	< 1.6	< 1.6	< 1.7	< 1.7	< 1.7	< 1.6	< 1.8	< 1.6	< 1.6	< 1.6	< 1.6	< 1.8
2,4-Dichlorophenol	20	< 1.9	< 1.9	< 2.1	< 2.1	< 2.1	< 1.9	< 2.2	< 1.9	< 1.9	< 2	< 1.9	< 2.2
2,4-Dimethylphenol	100	< 2	< 2	< 2.2	< 2.2	< 2.2	< 2	< 2.3	< 2	< 2	< 2	< 2	< 2.2
2,4-Dinitrophenol	40	< 4.2	< 4.2	< 4.5	< 4.6	< 4.6	< 4.2	< 4.8	< 4.2	< 4.2	< 4.3	< 4.2	< 4.7
2,4-Dinitrotoluene	NS	< 0.45	< 0.45	< 0.49	< 0.5	< 0.5	< 0.45	< 0.52	< 0.45	< 0.45	< 0.47	< 0.45	< 0.52
2,6-Dinitrotoluene	NS	< 0.6	< 0.6	< 0.65	< 0.67	< 0.67	< 0.6	< 0.69	< 0.6	< 0.6	< 0.62	< 0.6	< 0.68
2-Chloronaphthalene	600	< 0.48	< 0.48	< 0.53	< 0.54	< 0.54	< 0.48	< 0.56	< 0.48	< 0.48	< 0.5	< 0.48	< 0.55
2-Chlorophenol	40	< 1.5	< 1.5	< 1.6	< 1.6	< 1.6	< 1.5	< 1.7	< 1.5	< 1.5	< 1.5	< 1.5	< 1.6
2-Methylnaphthalene	NS	< 0.43	< 0.43	< 0.47	< 0.48	< 0.48	< 0.43	< 0.5	< 0.43	0.48 J	< 0.45	< 0.43	< 0.49
2-Methylphenol	NS	< 1.4	< 1.4	< 1.5	< 1.5	< 1.5	< 1.4	< 1.6	< 1.4	< 1.4	< 1.4	< 1.4	< 1.6
2-Nitroaniline	NS	< 0.45	< 0.45	< 0.48	< 0.49	< 0.49	< 0.45	< 0.51	< 0.45	< 0.45	< 0.46	< 0.45	< 0.51
2-Nitrophenol	NS	< 1.9	< 1.9	< 2.1	< 2.1	< 2.1	< 1.9	< 2.2	< 1.9	< 1.9	< 2	< 1.9	< 2.2
3&4-Methylphenol	NS	< 1.5	< 1.5	< 1.6	< 1.6	< 1.6	< 1.5	< 1.7	< 1.5	< 1.5	< 1.5	< 1.5	< 1.7
3,3'-Dichlorobenzidine	30	< 4.6	< 4.6	< 4.9	< 5.1	< 5.1	< 4.6	< 5.2	< 4.6	< 4.6	< 4.7	< 4.6	< 5.2
3-Nitroaniline	NS	< 0.45	< 0.45	< 0.49	< 0.5	< 0.5	< 0.45	< 0.52	< 0.45	< 0.45	< 0.46	< 0.45	< 0.51
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3
4-Bromophenyl phenyl ether	NS	< 0.41	< 0.41	< 0.45	< 0.46	< 0.46	< 0.41	< 0.47	< 0.41	< 0.41	< 0.43	< 0.41	< 0.47
4-Chloro-3-Methylphenol	NS	< 2.3	< 2.3	< 2.5	< 2.5	< 2.5	< 2.3	< 2.6	< 2.3	< 2.3	< 2.4	< 2.3	< 2.6
4-Chloroaniline	30	< 0.33	< 0.33	< 0.36	< 0.37	< 0.37	< 0.33	< 0.38	< 0.33	< 0.33	< 0.34	< 0.33	< 0.38
4-Chlorophenyl phenyl ether	NS	< 0.45	< 0.45	< 0.49	< 0.5	< 0.5	< 0.45	< 0.52	< 0.45	< 0.45	< 0.47	< 0.45	< 0.52
4-Nitroaniline	NS	< 0.45	< 0.45	< 0.49	< 0.5	< 0.5	< 0.45	< 0.52	< 0.45	< 0.45	< 0.47	< 0.45	< 0.51
4-Nitrophenol	NS	< 2.3	< 2.3	< 2.4	< 2.5	< 2.5	< 2.3	< 2.6	< 2.3	< 2.3	< 2.3	< 2.3	< 2.6
Acetophenone	700	NA	< 0.47	< 0.51	< 0.52	< 0.52	< 0.47	< 0.54	NA	NA	< 0.48	< 0.47	< 0.53
Atrazine	3	NA	< 0.62	< 0.67	< 0.68	< 0.68	< 0.62	< 0.71	NA	NA	< 0.64	< 0.62	< 0.7
Benzaldehyde	NS	NA	< 1.6	< 1.8	< 1.8	< 1.8 R	< 1.6 R	< 1.9	NA	NA	< 1.7	< 1.6 R	< 1.8 R
Benzyl butyl phthalate	100	< 0.42	< 0.42	< 0.45	< 0.46	< 0.46	< 0.42	< 0.48	< 0.42	< 0.42	< 0.43	< 0.42	< 0.47
bis(2-Chloroethoxy)methane	NS	< 0.52	< 0.52	< 0.56	< 0.57	< 0.57	< 0.52	< 0.59	< 0.52	< 0.52	< 0.53	< 0.52	< 0.59
bis(2-Chloroethyl)ether	7	< 0.49	< 0.49	< 0.54	< 0.55	< 0.55	< 0.49	< 0.57	< 0.49	< 0.49	< 0.51	< 0.49	< 0.56
bis(2-Chloroisopropyl)ether	300	< 0.54	< 0.54	< 0.59	< 0.6	< 0.6	< 0.54	< 0.63	< 0.54	< 0.54	< 0.56	< 0.54	< 0.62
bis(2-Ethylhexyl)phthalate	3	2.3	< 0.75	< 0.82	< 0.83	< 0.83 J	< 0.75 J	< 0.86	**3.7**	< 0.75	< 0.77	< 0.75	< 0.85
Caprolactam	NS	NA	< 0.63	< 0.68	< 0.7	< 0.7	< 0.63	< 0.72	NA	NA	< 0.65	< 0.63	< 0.71
Carbazole	NS	< 0.45	< 0.45	< 0.49	< 0.5	< 0.5	< 0.45	< 0.51	< 0.45	< 0.45	< 0.46	< 0.45	< 0.51
Dibenzofuran	NS	< 0.49	< 0.49	< 0.53	< 0.54	< 0.54	< 0.49	< 0.56	< 0.49	< 0.49	< 0.5	< 0.49	< 0.55
Diethyl phthalate	6000	< 0.36	< 0.36	< 0.39	< 0.4	< 0.4	< 0.36	< 0.41	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41
Dimethyl phthalate	NS	< 0.36	< 0.36	< 0.39	< 0.4	< 0.4	< 0.36	< 0.41	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41
di-n-butyl phthalate	700	< 0.5	< 0.5	< 0.54	< 0.55	< 0.55	< 0.5	< 0.57	< 0.5	< 0.5	< 0.51	< 0.5	< 0.57
di-n-octylphthalate	100	< 0.5	< 0.5	< 0.54	< 0.55	< 0.55	< 0.5	< 0.57	< 0.5	< 0.5	< 0.51	< 0.5	< 0.56
Hexachlorobutadiene	1	< 0.38	< 0.38	< 0.41	< 0.42	< 0.42	< 0.38	< 0.43	< 0.38	< 0.38	< 0.39	< 0.38	< 0.43
Hexachlorocyclopentadiene	40	< 4.5	< 4.5	< 4.9	< 5	< 5	< 4.5	< 5.2	< 4.5	< 4.5	< 4.7	< 4.5	< 5.1
Hexachloroethane	7	< 0.3	< 0.3	< 0.33	< 0.33	< 0.33	< 0.3	< 0.34	< 0.3	< 0.3	< 0.31	< 0.3	< 0.34
Isophrone	40	< 0.69	< 0.69	< 0.75	< 0.77	< 0.77	< 0.69	< 0.79	< 0.69	< 0.69	< 0.71	< 0.69	< 0.79
Nitrobenzene	6	< 0.66	< 0.66	< 0.72	< 0.73	< 0.73	< 0.66	< 0.76	< 0.66	< 0.66	< 0.68	< 0.66	< 0.75
N-Nitroso-di-n-Propylamine	10	< 0.39	< 0.39	< 0.43	< 0.44	< 0.44	< 0.39	< 0.45	< 0.39	< 0.39	< 0.41	< 0.39	< 0.45
N-Nitrosodiphenylamine	10	< 0.61	< 0.61	< 0.66	< 0.67	< 0.67	< 0.61	< 0.7	< 0.61	0.93 J	< 0.63	< 0.61	< 0.69
Phenol	2000	< 1.4	< 1.4	< 1.5	< 1.5	< 1.5	< 1.4	< 1.6	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5
Total TIC, Semi-Volatile	NS	0	0	0	5.5 J	0	0	0	17.6 J	83 J	0	16.8 J	0
SVOCs BY SIM													
Acenaphthene	400	< 0.016	< 0.016	< 0.017	< 0.016	< 0.018	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.018
Acenaphthylene	NS	< 0.007	< 0.007	< 0.0077	< 0.007	< 0.0078	< 0.007	< 0.008	< 0.007	< 0.007	< 0.0072	< 0.007	< 0.008
Anthracene	2000	< 0.021	< 0.021	< 0.023	< 0.021	< 0.023	< 0.021	< 0.024	< 0.021	< 0.021	< 0.022	< 0.021	< 0.024
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.034	< 0.037	< 0.034	< 0.037	< 0.034	< 0.039	< 0.034	< 0.034	< 0.035	< 0.034	< 0.038
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.036	< 0.039	< 0.036	< 0.039	< 0.036	< 0.041	< 0.036	< 0.036	< 0.037	< 0.036	< 0.04
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.017	< 0.019	< 0.017	< 0.019	< 0.017	< 0.02	< 0.017	< 0.017	< 0.018	< 0.017	< 0.019
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.013
Benzo(k)fluoranthene	0.5	< 0.019	< 0.019	< 0.021	< 0.019	< 0.021	< 0.019	< 0.022	< 0.019	< 0.019	< 0.019	< 0.019	< 0.021

Sample ID		RW4(57-77)	RW4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-5 (080917)	RW-5 (080917) Dup	RW-5A(080912)	RW-6(080915)	RW-6A(080915)	RW-7(080912)	SC-1 (080917)	SC-2 (080917)
Sample Date	**GWQS[1]**	**9/15/2008**	**9/16/2008**	**9/9/2008**	**9/10/2008**	**9/17/2008**	**9/17/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/17/2008**	**9/17/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.018	< 0.018	< 0.019	< 0.018	< 0.02	< 0.018	< 0.02	< 0.018	< 0.018	< 0.018	< 0.018	< 0.02
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.02	< 0.022	< 0.02	< 0.022	< 0.02	< 0.023	< 0.02	< 0.02	< 0.021	< 0.02	< 0.023
Fluoranthene	300	< 0.0096	< 0.0096	< 0.01	< 0.0096	< 0.011	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.0099	< 0.0096	< 0.011
Fluorene	300	< 0.02	< 0.02	< 0.021	< 0.02	< 0.022	< 0.02	< 0.023	< 0.02	< 0.02	< 0.02	< 0.02	< 0.022
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.011	< 0.0099	< 0.011	< 0.0099	< 0.0099	< 0.01	< 0.0099	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.014	< 0.016	< 0.014	< 0.016	< 0.014	< 0.017	< 0.014	< 0.014	< 0.015	< 0.014	< 0.016
Naphthalene	300	0.479	< 0.014	< 0.015	< 0.014	< 0.015	< 0.014	< 0.016	0.644	3.6	< 0.014	1.59	< 0.016
Pentachlorophenol	0.3 [1]	< 0.22	< 0.22 J	< 0.24	< 0.22	< 0.25	< 0.22	< 0.26	< 0.22	< 0.22	< 0.23	< 0.22	< 0.25
Phenanthrene	NS	< 0.017	< 0.017	< 0.019	< 0.017	< 0.019	< 0.017	< 0.02	< 0.017	< 0.017	< 0.018	< 0.017	< 0.019
Pyrene	200	< 0.012	< 0.012	< 0.013	< 0.012	< 0.013	< 0.012	< 0.014	< 0.012	< 0.012	< 0.012	< 0.012	< 0.014
PCBs													
PCB 1016	0.5	< 0.1	< 0.1	< 0.1 J	< 0.094	< 0.099	< 0.094	< 0.099	< 0.1	< 0.094	< 0.094	< 0.094	< 0.1
PCB 1221	0.5	< 0.52	< 0.5	< 0.5 J	< 0.47	< 0.49	< 0.47	< 0.49	< 0.51	< 0.47	< 0.47	< 0.47	< 0.51
PCB 1232	0.5	< 0.43	< 0.41	< 0.41 J	< 0.39	< 0.41	< 0.39	< 0.41	< 0.42	< 0.39	< 0.39	< 0.39	< 0.42
PCB 1242	0.5	< 0.18	< 0.17	< 0.17 J	< 0.16	< 0.17	< 0.16	< 0.17	< 0.18	< 0.16	< 0.16	< 0.16	< 0.18
PCB 1248	0.5	< 0.17	< 0.16	< 0.16 J	< 0.15	< 0.16	< 0.15	< 0.16	< 0.17	< 0.15	< 0.15	< 0.15	< 0.17
PCB 1254	0.5	< 0.12	< 0.12	< 0.12 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12
PCB 1260	0.5	< 0.13	< 0.12	< 0.12 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total													
Aluminum	200	< 24	< 24	< 24	< 24	< 24	55.3 B	**625**	< 24	< 24	**648**	42.7 B	181 B
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	2.4 B	2.3 B	**10**	2.4 B	1.9 B	< 1.7	< 1.7	2.1 B
Barium	2000	7.2 BJ	13.8 B	19.6 B	10.2 BJ	29.3 BJ	32.7 BJ	< 7.7	308	18.7 B	< 3.7 J	282 J	73.8 BJ
Beryllium	1	< 0.15	< 0.1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.15	0.5 B	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	1.9 B
Calcium	NS	9710 J	13400	15300 R	10900	63500 J	66300 J	19600	61100	67200	10200 J	29100	64600 J
Chromium	70	4.7 BJ	< 0.53	< 0.53 R	1.3 B	1.4 B	2.1 B	1.7 B	4 BJ	< 0.53	< 0.8	5.3 B	1.7 B
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	2.5 B	2.6 B	< 0.51	7.2 B	8.7 B	< 0.51	2.2 B	19.7 B
Copper	1,300	2.3 B	< 1.1	< 10	1.8 B	2.1 B	2.3 B	4.5 B	< 1.1	3.6 B	8.8 B	4.9 B	4.7 B
Iron	300	**3360**	105 J	**336 R**	**352**	**6880**	**7290**	**605 J**	**43200**	**9460**	**1350 J**	**47100**	**8040**
Lead	5	< 1.4	< 1.4	1.8 B	< 1.4	< 1.4	< 1.4	2.2 BJ	< 1.4	< 1.4	< 1.4	**6.2**	< 1.4
Magnesium	NS	3830 B	5300	3970 R	4280 B	15400	16700	2830 B	9050	16200	3690 B	3050 B	15000 J
Manganese	50	**75.8 J**	5.7 B	6.5 R	3.3 B	**3820 J**	**3990**	**234**	**4500**	**9770**	9.3 BJ	**518**	**619**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	3.9 B	< 1.2	< 1.2	1.7 B	2.2 B	2.4 B	< 4.7	2.4 B	1.5 B	< 1.2	4.4 B	8.1 B
Potassium	NS	1180 BJ	1110 B	1220 R	1250 B	5060 B	5650 B	30300	9560 B	2690 B	734 B	1900 B	3260 B
Selenium	40	< 1.6	< 1.6	< 1.6	< 1.6	4.5 B	2.2 B	< 1.6	3.8 B	5.8 B	< 1.6	1.7 B	2.1 B
Silver	40	< 1	< 1	< 1	< 1	< 1	1.3 B	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	5650 B	5810 B	5430 R	5650 B	10600 J	11600 J	34200 J	9520 B	8350 B	< 3130 J	3130 BJ	10200 J
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	0.5 B	< 0.43	0.7 B	0.5 B	0.6 B	0.9 B	7.8 B	5.5 B	2 B	0.9 BJ	5.9 B	0.8 B
Zinc	2000	1040	403	815	820	19.3 B	22.3	< 10.3 J	11.1 B	4.4 B	< 7.5	72.2 J	87.4 J
Metals - Dissolved													
Aluminum	200	< 24	< 24	< 24	< 24	< 24	< 24	< 88.6	< 24	< 24	< 24	< 24	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	2.7 B	< 1.7	1.8 B	< 1.7	**9.7**	2.1 B	1.7 B	< 1.7	< 1.7	< 1.7
Barium	2000	5.9 BJ	13.4 B	6.4 B	9.8 B	27.4 BJ	26.4 BJ	< 5	265	16.5 B	< 2.4 J	261 J	77.6 BJ
Beryllium	1	< 0.15	< 0.1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	9860 J	13600	30600 R	11000	66800 J	66700 J	20200	58300	65300	10300 J	28200	64900 J
Chromium	70	1 B	< 0.53	45.7 R	< 0.53	< 0.53	< 0.53	0.9 BJ	< 0.53	< 0.53	< 1	1.1 B	0.9 B
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	2.2 B	2.5 B	< 0.51	6.9 B	8.4 B	< 0.51	2.2 B	22.6 B
Copper	1,300	< 1.1	1.2 B	< 0.7	1.1 B	1.3 B	< 1.1	1.6 BJ	< 1.1	1.3 B	< 2.5	< 1.1	1.6 B
Iron	300	**507**	< 7.4	**521 R**	8.1 B	**643**	**700**	< 162	**29600**	**2070**	< 15.1 J	**27300**	96.3 B
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	3920 B	5400	6640 R	4340 B	16200	16200	2890 B	8730	15900	3680 B	2940 B	15100 J

Sample ID		RW4(57-77)	RW4(108-128)	RW-4(328-348)	RW-4(388-408)	RW-5 (080917)	RW-5 (080917) Dup	RW-5A(080912)	RW-6(080915)	RW-6A(080915)	RW-7(080912)	SC-1 (080917)	SC-2 (080917)
Sample Date	**GWQS[1]**	**9/15/2008**	**9/16/2008**	**9/9/2008**	**9/10/2008**	**9/17/2008**	**9/17/2008**	**9/12/2008**	**9/15/2008**	**9/15/2008**	**9/12/2008**	**9/17/2008**	**9/17/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	**78.4 J**	5.2 B	**1380 R**	2 B	**3910 J**	**3980**	**201**	**4340**	**9510**	< 1.1	**497**	**599**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	5.4 B	< 1.2	< 1.2	< 1.2	2 B	2.3 B	< 2.5	1.7 B	2.1 B	< 1.2	4.6 B	9.4 B
Potassium	NS	1180 BJ	991 B	4800 R	1190 B	5560 B	5320 B	29400	9310 B	2650 B	754 B	1830 B	3450 B
Selenium	40	1.7 B	< 1.6	< 1.6	< 1.6	2.9 B	4.1 B	< 1.6	1.8 B	4.2 B	< 1.6	2.9 B	< 1.6
Silver	40	< 1	< 1	< 1	< 1	1.6 B	< 1	< 1	< 1	< 1	< 1	< 1	1 B
Sodium	50,000	5700 B	5950 B	**142000 R**	5650 B	11400 J	11400 J	34500 J	9220 B	8100 B	< 3350 J	3000 BJ	10200 J
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	< 0.43	0.5 B	0.7 B	< 0.43	< 0.43	6.9 B	2.8 B	< 0.43	< 0.43	1.6 B	< 0.43
Zinc	2000	994	388	< 20	778	< 4	4.3 B	< 7.1 J	< 4	4.2 B	< 6.1	12.3 BJ	91.9 J
Other													
Alkalinity, Bicarbonate	NS	42100	46400	48600	40500	237000	238000	151000	235000	274000	38900	86900	173000
Alkalinity, Carbonate	NS	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Alkalinity, total (as CaCO3)	NS	42100	46400	48600	40500	237000	238000	151000	235000	274000	38900	86900	173000
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrogen, Nitrate Nitrite	NS	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200	< 200
Phosphorus, Total	NS	< 50	< 50	< 50	< 50	< 50	< 50	110	110	59	51	< 50	< 50
Chloride	250000	< 2000	< 2000	< 2000	< 2000	2100	2000	2200	2600	< 2000	< 2000	< 2000	36400
Nitrate	10000	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 110	< 210	< 210
Nitrogen, Nitrite	1,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sulfate	250000	13900	18000	15100	14800	21800	22500	26500	< 10000	< 10000	12300	< 10000	26000

Sample ID		FIELDBLANK(080908)	FIELDBLANK(080909)	P-FB(080910)	FIELDBLANK(080911)	P-FB(080911)	FIELDBLANK(080912)	P-FB(080912)	FIELD BLANK (080915)	FIELD BLANK(080916)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/12/2008**	**9/15/2008**	**9/16/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs										
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	**187**	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	0.94 J	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	128	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	1	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	1	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0
SVOCs										
1,1'-Biphenyl	400	< 0.6	< 0.6	< 0.57	< 0.61	< 0.66	NA	< 0.56	< 0.57	< 0.55
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		FIELDBLANK(080908)	FIELDBLANK(080909)	P-FB(080910)	FIELDBLANK(080911)	P-FB(080911)	FIELDBLANK(080912)	P-FB(080912)	FIELD BLANK (080915)	FIELD BLANK(080916)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/12/2008**	**9/15/2008**	**9/16/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2.2	< 2.2	< 2.1	< 2.2	< 2.4	NA	< 2	< 2.1	< 2
2,4,6-Trichlorophenol	20	< 1.7	< 1.7	< 1.6	< 1.7	< 1.9	NA	< 1.6	< 1.6	< 1.6
2,4-Dichlorophenol	20	< 2.1	< 2.1	< 2	< 2.1	< 2.3	NA	< 2	< 2	< 1.9
2,4-Dimethylphenol	100	< 2.2	< 2.2	< 2.1	< 2.2	< 2.4	NA	< 2	< 2.1	< 2
2,4-Dinitrophenol	40	< 4.5	< 4.5	< 4.3	< 4.6	< 5	NA	< 4.3	< 4.3	< 4.2
2,4-Dinitrotoluene	NS	< 0.49	< 0.49	< 0.47	< 0.5	< 0.55	NA	< 0.47	< 0.47	< 0.45
2,6-Dinitrotoluene	NS	< 0.65	< 0.65	< 0.63	< 0.67	< 0.73	NA	< 0.62	< 0.62	< 0.6
2-Chloronaphthalene	600	< 0.53	< 0.53	< 0.5	< 0.54	< 0.58	NA	< 0.5	< 0.5	< 0.48
2-Chlorophenol	40	< 1.6	< 1.6	< 1.5	< 1.6	< 1.7	NA	< 1.5	< 1.5	< 1.5
2-Methylnaphthalene	NS	< 0.47	< 0.47	< 0.45	< 0.48	< 0.52	NA	< 0.44	< 0.45	< 0.43
2-Methylphenol	NS	< 1.5	< 1.5	< 1.4	< 1.5	< 1.7	NA	< 1.4	< 1.4	< 1.4
2-Nitroaniline	NS	< 0.48	< 0.48	< 0.46	< 0.49	< 0.54	NA	< 0.46	< 0.46	< 0.45
2-Nitrophenol	NS	< 2.1	< 2.1	< 2	< 2.1	< 2.3	NA	< 2	< 2	< 1.9
3&4-Methylphenol	NS	< 1.6	< 1.6	< 1.5	< 1.6	< 1.8	NA	< 1.5	< 1.5	< 1.5
3,3'-Dichlorobenzidine	30	< 4.9	< 4.9	< 4.7	< 5.1	< 5.5	NA	< 4.7	< 4.7	< 4.6
3-Nitroaniline	NS	< 0.49	< 0.49	< 0.47	< 0.5	< 0.54	NA	< 0.46	< 0.47	< 0.45
4,6-Dinitro-2-methylphenol	NS	< 1.3	< 1.3	< 1.2	< 1.3	< 1.4	NA	< 1.2	< 1.2	< 1.2
4-Bromophenyl phenyl ether	NS	< 0.45	< 0.45	< 0.43	< 0.46	< 0.5	NA	< 0.42	< 0.43	< 0.41
4-Chloro-3-Methylphenol	NS	< 2.5	< 2.5	< 2.4	< 2.5	< 2.7	NA	< 2.3	< 2.4	< 2.3
4-Chloroaniline	30	< 0.36	< 0.36	< 0.35	< 0.37	< 0.4	NA	< 0.34	< 0.35	< 0.33
4-Chlorophenyl phenyl ether	NS	< 0.49	< 0.49	< 0.47	< 0.5	< 0.55	NA	< 0.47	< 0.47	< 0.45
4-Nitroaniline	NS	< 0.49	< 0.49	< 0.47	< 0.5	< 0.55	NA	< 0.46	< 0.47	< 0.45
4-Nitrophenol	NS	< 2.4	< 2.4	< 2.3	< 2.5	< 2.7	NA	< 2.3	< 2.3	< 2.3
Acetophenone	700	< 0.51	< 0.51	< 0.49	< 0.52	< 0.56	NA	< 0.48	< 0.48	< 0.47
Atrazine	3	< 0.67	< 0.67	< 0.64	< 0.68	< 0.74	NA	< 0.63	< 0.64	< 0.62
Benzaldehyde	NS	< 1.8	< 1.8	< 1.7	< 1.8	< 1.9	NA	< 1.7	< 1.7	< 1.6
Benzyl butyl phthalate	100	< 0.45	< 0.45	< 0.44	< 0.46	< 0.5	NA	< 0.43	< 0.43	< 0.42
bis(2-Chloroethoxy)methane	NS	< 0.56	< 0.56	< 0.54	< 0.57	< 0.62	NA	< 0.53	< 0.54	< 0.52
bis(2-Chloroethyl)ether	7	< 0.54	< 0.54	< 0.51	< 0.55	< 0.59	NA	< 0.51	< 0.51	< 0.49
bis(2-Chloroisopropyl)ether	300	< 0.59	< 0.59	< 0.57	< 0.6	< 0.66	NA	< 0.56	< 0.56	< 0.54
bis(2-Ethylhexyl)phthalate	3	< 0.82	< 0.82	< 0.78	< 0.83	< 0.9	NA	**30.9**	< 0.78	< 0.75
Caprolactam	NS	< 0.68	< 0.68	< 0.65	< 0.7	< 0.75	NA	< 0.64	< 0.65	< 0.63
Carbazole	NS	< 0.49	< 0.49	< 0.47	< 0.5	< 0.54	NA	< 0.46	< 0.46	< 0.45
Dibenzofuran	NS	< 0.53	< 0.53	< 0.51	< 0.54	< 0.59	NA	< 0.5	< 0.51	< 0.49
Diethyl phthalate	6000	< 0.39	< 0.39	< 0.38	< 0.4	< 0.43	NA	< 0.37	< 0.37	< 0.36
Dimethyl phthalate	NS	< 0.39	< 0.39	< 0.38	< 0.4	< 0.43	NA	< 0.37	< 0.37	< 0.36
di-n-butyl phthalate	700	< 0.54	< 0.54	< 0.52	< 0.55	< 0.6	NA	< 0.51	< 0.52	< 0.5
di-n-octylphthalate	100	< 0.54	< 0.54	< 0.52	< 0.55	< 0.6	NA	< 0.51	< 0.52	< 0.5
Hexachlorobutadiene	1	< 0.41	< 0.41	< 0.39	< 0.42	< 0.45	NA	< 0.38	< 0.39	< 0.38
Hexachlorocyclopentadiene	40	< 4.9	< 4.9	< 4.7	< 5	< 5.5	NA	< 4.6	< 4.7	< 4.5
Hexachloroethane	7	< 0.33	< 0.33	< 0.31	< 0.33	< 0.36	NA	< 0.31	< 0.31	< 0.3
Isophrone	40	< 0.75	< 0.75	< 0.72	< 0.77	< 0.83	NA	< 0.71	< 0.72	< 0.69
Nitrobenzene	6	< 0.72	< 0.72	< 0.69	< 0.73	< 0.79	NA	< 0.68	< 0.68	< 0.66
N-Nitroso-di-n-Propylamine	10	< 0.43	< 0.43	< 0.41	< 0.44	< 0.47	NA	< 0.4	< 0.41	< 0.39
N-Nitrosodiphenylamine	10	< 0.66	< 0.66	< 0.63	< 0.67	< 0.73	NA	< 0.62	< 0.63	< 0.61
Phenol	2000	< 1.5	< 1.5	< 1.4	< 1.5	< 1.6	NA	< 1.4	< 1.4	< 1.4
Total TIC, Semi-Volatile	NS	0	0	5.1 J	0	320 J	NA	24.6 J	0	0
SVOCs BY SIM										
Acenaphthene	400	< 0.017	< 0.018	< 0.017	< 0.018	< 0.019	NA	< 0.016	< 0.017	< 0.016
Acenaphthylene	NS	< 0.0076	< 0.0077	< 0.0073	< 0.0078	< 0.0084	NA	< 0.0072	< 0.0073	< 0.007
Anthracene	2000	< 0.023	< 0.023	< 0.022	< 0.023	< 0.025	NA	< 0.022	< 0.022	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.037	< 0.037	< 0.035	< 0.037	< 0.041	NA	< 0.035	< 0.035	< 0.034
Benzo(a)pyrene	0.1 [0.2]	< 0.039	< 0.039	< 0.037	< 0.039	< 0.043	NA	< 0.036	< 0.037	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.019	< 0.018	< 0.019	< 0.02	NA	< 0.017	< 0.018	< 0.017
Benzo(g,h,i)perylene	NS	< 0.013	< 0.013	< 0.012	< 0.013	< 0.014	NA	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.02	< 0.021	< 0.02	< 0.021	< 0.023	NA	< 0.019	< 0.019	< 0.019

Sample ID		FIELDBLANK(080908)	FIELDBLANK(080909)	P-FB(080910)	FIELDBLANK(080911)	P-FB(080911)	FIELDBLANK(080912)	P-FB(080912)	FIELD BLANK (080915)	FIELD BLANK(080916)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/12/2008**	**9/15/2008**	**9/16/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.019	< 0.019	< 0.018	< 0.02	< 0.021	NA	< 0.018	< 0.018	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.022	< 0.022	< 0.021	< 0.022	< 0.024	NA	< 0.021	< 0.021	< 0.02
Fluoranthene	300	< 0.01	< 0.011	< 0.01	< 0.011	< 0.012	NA	< 0.0098	< 0.0099	< 0.0096
Fluorene	300	< 0.021	< 0.022	< 0.02	< 0.022	< 0.024	NA	< 0.02	< 0.02	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.011	< 0.01	< 0.011	< 0.012	NA	< 0.01	< 0.01	< 0.0099
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.016	< 0.016	< 0.015	< 0.016	< 0.017	NA	< 0.015	< 0.015	< 0.014
Naphthalene	300	< 0.015	< 0.015	< 0.014	< 0.015	< 0.017	NA	< 0.014	< 0.014	< 0.014
Pentachlorophenol	0.3 [1]	< 0.24	< 0.25	< 0.23	< 0.25	< 0.27	NA	< 0.23	< 0.23	< 0.22 J
Phenanthrene	NS	< 0.018	< 0.019	< 0.018	< 0.019	< 0.02	NA	< 0.017	< 0.018	< 0.017
Pyrene	200	< 0.013	< 0.013	< 0.013	< 0.013	< 0.015	NA	< 0.012	< 0.013	< 0.012
PCBs										
PCB 1016	0.5	< 0.1	< 0.1	< 0.094	< 0.099	< 0.1	NA	< 0.12	< 0.094	< 0.1
PCB 1221	0.5	< 0.52	< 0.5	< 0.47	< 0.49	< 0.51	NA	< 0.58	< 0.47	< 0.5
PCB 1232	0.5	< 0.43	< 0.41	< 0.39	< 0.41	< 0.42	NA	< 0.48	< 0.39	< 0.41
PCB 1242	0.5	< 0.18	< 0.17	< 0.16	< 0.17	< 0.18	NA	< 0.2	< 0.16	< 0.17
PCB 1248	0.5	< 0.17	< 0.16	< 0.15	< 0.16	< 0.16	NA	< 0.19	< 0.15	< 0.16
PCB 1254	0.5	< 0.12	< 0.12	< 0.11	< 0.11	< 0.12	NA	< 0.13	< 0.11	< 0.12
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	< 0.12	< 0.13	NA	< 0.14	< 0.12	< 0.12
Total PCBs	0.5	0	0	0	0	0	NA	0	0	0
Metals - Total										
Aluminum	200	< 24	< 24	< 24	< 24	45.7 B	26.1 B	54.9 B	31.7 B	< 24
Antimony	6	< 1.8	< 1.8	< 1.8	< 1.8	2.9 B	< 1.8	< 1.8	< 1.8	< 1.8
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Barium	2000	< 1.1	< 1.1	1.1 B	1.1 B	2.8 BJ	2.2 B	10.4 B	1.1 B	< 1.1
Beryllium	1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cadmium	4	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Calcium	NS	< 31	< 31	< 31	< 31	153 BJ	< 31	648 B	< 31	31.7 B
Chromium	70	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	0.6 B	1.9 B
Cobalt	NS	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51
Copper	1,300	< 2.5	1 B	1.2 B	1.8 B	< 2.5	< 2.5	1.7 B	< 1.1	< 1.1
Iron	300	< 7.4	< 7.4	< 7.4	< 7.4	14.1 BJ	8 B	75.7 B	48.2 B	12.9 B
Lead	5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Magnesium	NS	< 24	< 24	< 24	< 24	< 24	< 24	43.1 B	< 24	25.8 B
Manganese	50	< 0.24	< 0.24	< 0.24	< 0.24	0.7 B	< 0.24	**2740**	0.3 B	0.4 B
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Potassium	NS	< 48	< 48	83.1 B	193 B	< 48	< 48	116 B	185 B	90.3 B
Selenium	40	< 1.6	< 1.6	< 1.6	1.8 B	< 1.6	< 1.6	< 1.6	2.4 B	2.7 B
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	77.9 B	67.8 B	392 B	88.2 B	117 B	43.3 B	7260 B	241 B	66.8 B
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	1.5 B	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Vanadium	NS	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
Zinc	2000	< 4	6.5 B	< 4	6.1 B	9.6 B	< 4	116 J	< 4	< 4
Metals - Dissolved										
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		FIELDBLANK(080908)	FIELDBLANK(080909)	P-FB(080910)	FIELDBLANK(080911)	P-FB(080911)	FIELDBLANK(080912)	P-FB(080912)	FIELD BLANK (080915)	FIELD BLANK(080916)
Sample Date	**GWQS[1]**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/11/2008**	**9/11/2008**	**9/12/2008**	**9/12/2008**	**9/15/2008**	**9/16/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other										
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Nitrogen, Nitrate Nitrite	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		FB (080917)	FIELD BLANK(080918)	FIELD BLANK(080922)	TRIPBLANK(080908)	TRIPBLANK-080909	TRIPBLANK-080910	TRIPBLANK-080911	TRIP BLANK-080916 (JA690)
Sample Date	**GWQS[1]**	**9/17/2008**	**9/18/2008**	**9/22/2008**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/12/2008**	**9/15/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs									
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0
SVOCs									
1,1'-Biphenyl	400	< 0.59	< 0.55	< 0.55	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		FB (080917)	FIELD BLANK(080918)	FIELD BLANK(080922)	TRIPBLANK(080908)	TRIPBLANK-080909	TRIPBLANK-080910	TRIPBLANK-080911	TRIP BLANK-080916 (JA690)
Sample Date	**GWQS[1]**	**9/17/2008**	**9/18/2008**	**9/22/2008**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/12/2008**	**9/15/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 2.1	< 2	< 2	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.7	< 1.6	< 1.6	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 2.1	< 1.9	< 1.9	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 2.1	< 2	< 2	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 4.4	< 4.2	< 4.2	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.48	< 0.45	< 0.45	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.64	< 0.6	< 0.6	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.51	< 0.48	< 0.48	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 1.5	< 1.5	< 1.5	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.46	< 0.43	< 0.43	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.5	< 1.4	< 1.4	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.47	< 0.45	< 0.45	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 2.1	< 1.9	< 1.9	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.6	< 1.5	< 1.5	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 4.8	< 4.6	< 4.6	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 0.48	< 0.45	< 0.45	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 1.2	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.44	< 0.41	< 0.41	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 2.4	< 2.3	< 2.3	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.36	< 0.33	< 0.33	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.48	< 0.45	< 0.45	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.48	< 0.45	< 0.45	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 2.4	< 2.3	< 2.3	NA	NA	NA	NA	NA
Acetophenone	700	< 0.5	< 0.47	< 0.47	NA	NA	NA	NA	NA
Atrazine	3	< 0.66	< 0.62	< 0.62	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 1.7	< 1.6	< 1.6	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.44	< 0.42	< 0.42	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.55	< 0.52	< 0.52	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.52	< 0.49	< 0.49	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.58	< 0.54	< 0.54	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.8	< 0.75	< 0.75	NA	NA	NA	NA	NA
Caprolactam	NS	< 0.67	< 0.63	< 0.63	NA	NA	NA	NA	NA
Carbazole	NS	< 0.48	< 0.45	< 0.45	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.52	< 0.49	< 0.49	NA	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.38	< 0.36	< 0.36	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.38	< 0.36	< 0.36	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.53	< 0.5	< 0.5	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.53	< 0.5	< 0.5	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.4	< 0.38	< 0.38	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 4.8	< 4.5	< 4.5	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.32	< 0.3	< 0.3	NA	NA	NA	NA	NA
Isophrone	40	< 0.74	< 0.69	< 0.69	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.7	< 0.66	< 0.66	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.42	< 0.39	< 0.39	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.65	< 0.61	< 0.61	NA	NA	NA	NA	NA
Phenol	2000	< 1.4	< 1.4	< 1.4	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	6.3 J	NA	NA	NA	NA	NA
SVOCs BY SIM									
Acenaphthene	400	< 0.017	< 0.016	< 0.016	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.0074	< 0.007	< 0.007	NA	NA	NA	NA	NA
Anthracene	2000	< 0.022	< 0.021	< 0.021	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.036	< 0.034	< 0.034	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.038	< 0.036	< 0.036	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.017	< 0.017	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.012	< 0.012	< 0.012	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.02	< 0.019	< 0.019	NA	NA	NA	NA	NA

Sample ID		FB (080917)	FIELD BLANK(080918)	FIELD BLANK(080922)	TRIPBLANK(080908)	TRIPBLANK-080909	TRIPBLANK-080910	TRIPBLANK-080911	TRIP BLANK-080916 (JA690)
Sample Date	**GWQS[1]**	**9/17/2008**	**9/18/2008**	**9/22/2008**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/12/2008**	**9/15/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Chrysene	5	< 0.019	< 0.018	< 0.018	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.021	< 0.02	< 0.02	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.01	< 0.0096	< 0.0096	NA	NA	NA	NA	NA
Fluorene	300	< 0.021	< 0.02	< 0.02	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.0099	< 0.0099	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.015	< 0.014	< 0.014	NA	NA	NA	NA	NA
Naphthalene	300	< 0.015	< 0.014	< 0.014	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.24	< 0.22	< 0.22	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.018	< 0.017	< 0.017	NA	NA	NA	NA	NA
Pyrene	200	< 0.013	< 0.012	< 0.012	NA	NA	NA	NA	NA
PCBs									
PCB 1016	0.5	< 0.11	< 0.098	< 0.1	NA	NA	NA	NA	NA
PCB 1221	0.5	< 0.53	< 0.49	< 0.5	NA	NA	NA	NA	NA
PCB 1232	0.5	< 0.44	< 0.41	< 0.41	NA	NA	NA	NA	NA
PCB 1242	0.5	< 0.19	< 0.17	< 0.17	NA	NA	NA	NA	NA
PCB 1248	0.5	< 0.17	< 0.16	< 0.16	NA	NA	NA	NA	NA
PCB 1254	0.5	< 0.12	< 0.11	< 0.12	NA	NA	NA	NA	NA
PCB 1260	0.5	< 0.13	< 0.12	< 0.12	NA	NA	NA	NA	NA
Total PCBs	0.5	0	0	0	NA	NA	NA	NA	NA
Metals - Total									
Aluminum	200	< 24	< 24	< 24	NA	NA	NA	NA	NA
Antimony	6	< 1.8	< 1.8	< 1.8	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 1.7	< 1.7	< 1.7	NA	NA	NA	NA	NA
Barium	2000	3.3 B	< 1.1	< 1.1	NA	NA	NA	NA	NA
Beryllium	1	< 0.15	< 0.15	< 0.15	NA	NA	NA	NA	NA
Cadmium	4	< 0.28	0.4 B	< 0.28	NA	NA	NA	NA	NA
Calcium	NS	< 31	< 31	61.2 B	NA	NA	NA	NA	NA
Chromium	70	< 0.53	< 0.53	< 0.53	NA	NA	NA	NA	NA
Cobalt	NS	< 0.51	< 0.51	< 0.51	NA	NA	NA	NA	NA
Copper	1,300	< 1.1	< 1.1	< 1.1	NA	NA	NA	NA	NA
Iron	300	< 7.4	12.7 B	< 7.4	NA	NA	NA	NA	NA
Lead	5	< 1.4	< 1.4	< 1.4	NA	NA	NA	NA	NA
Magnesium	NS	< 24	< 24	< 24	NA	NA	NA	NA	NA
Manganese	50	1 B	< 0.24	0.4 B	NA	NA	NA	NA	NA
Mercury	2	< 0.049	< 0.049	< 0.049	NA	NA	NA	NA	NA
Nickel	100	< 1.2	< 1.2	< 1.2	NA	NA	NA	NA	NA
Potassium	NS	125 B	< 48	< 48	NA	NA	NA	NA	NA
Selenium	40	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA
Silver	40	< 1	1.1 B	< 1	NA	NA	NA	NA	NA
Sodium	50,000	75 B	51.6 BJ	79.9 B	NA	NA	NA	NA	NA
Thallium	2 [10]	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA
Vanadium	NS	< 0.43	< 0.43	< 0.43	NA	NA	NA	NA	NA
Zinc	2000	4.6 B	5 B	4.8 B	NA	NA	NA	NA	NA
Metals - Dissolved									
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		FB (080917)	FIELD BLANK(080918)	FIELD BLANK(080922)	TRIPBLANK(080908)	TRIPBLANK-080909	TRIPBLANK-080910	TRIPBLANK-080911	TRIP BLANK-080916 (JA690)
Sample Date	**GWQS[1]**	**9/17/2008**	**9/18/2008**	**9/22/2008**	**9/8/2008**	**9/9/2008**	**9/10/2008**	**9/12/2008**	**9/15/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA
Other									
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	100	< 10	< 10 J	< 10	NA	NA	NA	NA	NA
Nitrogen, Nitrate Nitrite	NS	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate	10000	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA	NA	NA

Sample ID		TRIP BLANK-080916	TRIP BLANK-080917	TRIP BLANK-080918	TRIP BLANK(080922)
Sample Date	GWQS[1]	9/16/2008	9/17/2008	9/19/2008	9/22/2008
Validation Status		Final	Final	Final	Final
VOCs					
1,1,1-Trichloroethane	30	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	1	< 0.13	< 0.13	< 0.13	< 0.13
1,1,2-Trichloroethane	3	< 0.17	< 0.17	< 0.17	< 0.17
1,1-Dichloroethane	50	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29
1,2,4-Trichlorobenzene	9	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.3*	< 1.3*	< 1.3*	< 1.3*
1,2-Dibromoethane	0.03 [0.5]	< 0.18*	< 0.18*	< 0.18*	< 0.18*
1,2-Dichlorobenzene	600	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	2	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	1	< 0.18	< 0.18	< 0.18	< 0.18
1,3-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26
1,4-Dichlorobenzene	75	< 0.22	< 0.22	< 0.22	< 0.22
2-Butanone (MEK)	300	< 2.3	< 2.3	< 2.3	< 2.3
2-Hexanone	NS	< 1.7	< 1.7	< 1.7	< 1.7
4-methyl-2-pentanone (MIBK)	NS	< 1.3	< 1.3	< 1.3	< 1.3
Acetone	6000	< 2.1	< 2.1	< 2.1	< 2.1
Benzene	1	< 0.26	< 0.26	< 0.26	< 0.26
Bromodichloromethane	1	< 0.14	< 0.14	< 0.14	< 0.14
Bromoform	4	< 0.18	< 0.18	< 0.18	< 0.18
Bromomethane	10	< 0.32	< 0.32	< 0.32	< 0.32
Carbon disulfide	700	< 0.16	< 0.16	< 0.16	< 0.16
Carbon tetrachloride	1	< 0.18	< 0.18	< 0.18	< 0.18
Chlorobenzene	50	< 0.19	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.22	< 0.22	< 0.22	< 0.22
Chloroform	70	< 0.16	< 0.16	< 0.16	< 0.16
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.25	< 0.25	< 0.25	< 0.25
cis-1,3-Dichloropropene	NS	< 0.18	< 0.18	< 0.18	< 0.18
Cyclohexane	NS	< 0.85	< 0.85	< 0.85	< 0.85
Dibromochloromethane	1	< 0.16	< 0.16	< 0.16	< 0.16
Dichlorodifluoromethane	1,000	< 0.88	< 0.88	< 0.88	< 0.88
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.8	< 0.8	< 0.8	< 0.8
Isopropylbenzene	700	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	7000	< 1.7	< 1.7	< 1.7	< 1.7
Methyl tert butyl ether	70	< 0.16	< 0.16	< 0.16	< 0.16
Methylcyclohexane	NS	< 0.11	< 0.11	< 0.11	< 0.11
Methylene chloride	3	< 0.16	< 0.16	< 0.16	< 0.16
o-Xylene	NS	< 0.45	< 0.45	< 0.45	< 0.45
Styrene	100	< 0.17	< 0.17	< 0.17	< 0.17
Tetrachloroethene	1	< 0.29	< 0.29	< 0.29	< 0.29
Toluene	1000	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	100	< 0.16	< 0.16	< 0.16	< 0.16
trans-1,3-Dichloropropene	NS	< 0.15	< 0.15	< 0.15	< 0.15
Trichloroethene	1	< 0.18	< 0.18	< 0.18	< 0.18
Trichlorofluoromethane	2000	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	< 0.21	< 0.21	< 0.21	< 0.21
Xylene, -m,p	NS	< 0.39	< 0.39	< 0.39	< 0.39
Xylenes	1,000	< 0.39	< 0.39	< 0.39	< 0.39
Total TIC, Volatile	NS	0	0	0	0
SVOCs					
1,1'-Biphenyl	400	NA	NA	NA	NA
1,2,4-Trichlorobenzene	9	NA	NA	NA	NA
1,2-Dichlorobenzene	600	NA	NA	NA	NA
1,3-Dichlorobenzene	600	NA	NA	NA	NA

Sample ID		TRIP BLANK-080916	TRIP BLANK-080917	TRIP BLANK-080918	TRIP BLANK(080922)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/17/2008**	**9/19/2008**	**9/22/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**
1,4-Dichlorobenzene	75	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA
Caprolactam	NS	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA
Diethyl phthalate	6000	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA
Phenol	2000	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA
SVOCs BY SIM					
Acenaphthene	400	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA

Sample ID		TRIP BLANK-080916	TRIP BLANK-080917	TRIP BLANK-080918	TRIP BLANK(080922)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/17/2008**	**9/19/2008**	**9/22/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**
Chrysene	5	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA
PCBs					
PCB 1016	0.5	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA
Metals - Total					
Aluminum	200	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA
Metals - Dissolved					
Aluminum	200	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA

Sample ID		TRIP BLANK-080916	TRIP BLANK-080917	TRIP BLANK-080918	TRIP BLANK(080922)
Sample Date	**GWQS[1]**	**9/16/2008**	**9/17/2008**	**9/19/2008**	**9/22/2008**
Validation Status		**Final**	**Final**	**Final**	**Final**
Manganese	50	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA
Other					
Alkalinity, Bicarbonate	NS	NA	NA	NA	NA
Alkalinity, Carbonate	NS	NA	NA	NA	NA
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA
Cyanide	100	NA	NA	NA	NA
Nitrogen, Nitrate Nitrite	NS	NA	NA	NA	NA
Phosphorus, Total	NS	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA
Nitrate	10000	NA	NA	NA	NA
Nitrogen, Nitrite	1,000	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA

Footnotes:

Results are presented in micrograms per liter (ug/L) unless otherwise noted.

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
R	Rejected result.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		DUP	DUP	DUP	DUP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A	OB-14B
Sample ID	GWQS[1]	DUP(063009)	DUP(070709)	DUP(071009)	DUP(071609)	OB-1(070209)	OB-2(063009)	OB-3(063009)	OB-4(070109)	OB-5(070109)	OB-6(070209)	OB-7(070109)	OB-10(070109)	OB-12(063009)	OB-13(070109)	OB-14A(070609)	OB-14B(070609)
Sample Date		6/30/2009	7/7/2009	7/10/2009	7/16/2009	7/2/2009	6/30/2009	6/30/2009	7/1/2009	7/1/2009	7/2/2009	7/1/2009	7/1/2009	6/30/2009	7/1/2009	7/6/2009	7/6/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																	
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	6.5	< 0.23	< 0.23	< 0.23	< 0.23	0.4 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	2.4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	0.42 J
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.95 J	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	14.6 J	0	0	0	0	0	0

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		DUP	DUP	DUP	DUP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A	OB-14B
Sample ID	GWQS[1]	DUP(063009)	DUP(070709)	DUP(071009)	DUP(071609)	OB-1(070209)	OB-2(063009)	OB-3(063009)	OB-4(070109)	OB-5(070109)	OB-6(070209)	OB-7(070109)	OB-10(070109)	OB-12(063009)	OB-13(070109)	OB-14A(070609)	OB-14B(070609)
Sample Date		6/30/2009	7/7/2009	7/10/2009	7/16/2009	7/2/2009	6/30/2009	6/30/2009	7/1/2009	7/1/2009	7/2/2009	7/1/2009	7/1/2009	6/30/2009	7/1/2009	7/6/2009	7/6/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																	
1,1'-Biphenyl	400	< 0.44	< 0.42	< 0.49	< 0.46	< 0.42	< 0.46	< 0.48	< 0.46	< 0.43	< 0.48	< 0.46	< 0.45	< 0.45	< 0.45	< 0.44	< 0.42
2,4,5-Trichlorophenol	700	< 1.4	< 1.3	< 1.5	< 1.5	< 1.3	< 1.5	< 1.5	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.3
2,4,6-Trichlorophenol	20	< 1.3	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2
2,4-Dichlorophenol	20	< 1.3	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2
2,4-Dimethylphenol	100	< 1.7	< 1.7	< 1.9	< 1.8	< 1.7	< 1.8	< 1.9	< 1.8	< 1.7	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.7
2,4-Dinitrophenol	40	< 0.78	< 0.74	< 0.86	< 0.81	< 0.74	< 0.81	< 0.84	< 0.8	< 0.76	< 0.84	< 0.8	< 0.78	< 0.78	< 0.78	< 0.77	< 0.74
2,4-Dinitrotoluene	NS	< 0.23	< 0.22	< 0.26	< 0.24	< 0.22	< 0.24	< 0.25	< 0.24	< 0.23	< 0.25	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22
2,6-Dinitrotoluene	NS	< 0.34	< 0.33	< 0.38	< 0.36	< 0.33	< 0.36	< 0.37	< 0.35	< 0.34	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.34	< 0.33
2-Chloronaphthalene	600	< 0.44	< 0.42	< 0.48	< 0.46	< 0.42	< 0.46	< 0.47	< 0.45	< 0.43	< 0.47	< 0.45	< 0.44	< 0.44	< 0.44	< 0.43	< 0.42
2-Chlorophenol	40	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	NS	< 0.69	< 0.66	< 0.77	< 0.72	< 0.66	< 0.72	< 0.75	< 0.72	< 0.68	< 0.75	< 0.72	< 0.7	< 0.7	< 0.7	< 0.69	< 0.66
2-Methylphenol	NS	< 1.2	< 1.1	< 1.3	< 1.2	< 1.1	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1
2-Nitroaniline	NS	< 0.25	< 0.24	< 0.27	< 0.26	< 0.24	< 0.26	< 0.27	< 0.26	< 0.24	< 0.27	< 0.26	< 0.25	< 0.25	< 0.25	< 0.24	< 0.24
2-Nitrophenol	NS	< 1.3	< 1.2	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2
3&4-Methylphenol	NS	< 1.1	< 1	< 1.2	< 1.1	< 1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1
3,3'-Dichlorobenzidine	30	< 0.31	< 0.3	< 0.34	< 0.32	< 0.3	< 0.32	< 0.34	< 0.32	< 0.3	< 0.34	< 0.32	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3
3-Nitroaniline	NS	< 0.3	< 0.29	< 0.33	< 0.32	< 0.29	< 0.32	< 0.33	< 0.31	< 0.3	< 0.33	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3	< 0.29
4,6-Dinitro-2-methylphenol	NS	< 0.54	< 0.51	< 0.6	< 0.56	< 0.51	< 0.56	< 0.58	< 0.56	< 0.53	< 0.58	< 0.56	< 0.55	< 0.55	< 0.55	< 0.53	< 0.51
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.35	< 0.41	< 0.38	< 0.35	< 0.38	< 0.4	< 0.38	< 0.36	< 0.4	< 0.38	< 0.37	< 0.37	< 0.37	< 0.36	< 0.35
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
4-Chloroaniline	30	< 0.27	< 0.25	< 0.29	< 0.28	< 0.25	< 0.28	< 0.29	< 0.28	< 0.26	< 0.29	< 0.28	< 0.27	< 0.27	< 0.27	< 0.26	< 0.25
4-Chlorophenyl phenyl ether	NS	< 0.37	< 0.35	< 0.41	< 0.39	< 0.35	< 0.39	< 0.4	< 0.38	< 0.36	< 0.4	< 0.38	< 0.38	< 0.38	< 0.38	< 0.37	< 0.35
4-Nitroaniline	NS	< 0.19	< 0.18	< 0.21	< 0.2	< 0.18	< 0.2	< 0.2	< 0.19	< 0.18	< 0.2	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18
4-Nitrophenol	NS	< 0.87	< 0.83	< 0.96	< 0.91	< 0.83	< 0.91	< 0.94	< 0.9	< 0.85	< 0.94	< 0.9	< 0.88	< 0.88	< 0.88	< 0.86	< 0.83
Acetophenone	700	< 0.42	< 0.4	< 0.46	< 0.44	< 0.4	< 0.44	< 0.45	< 0.43	< 0.41	< 0.45	< 0.43	< 0.42	< 0.42	< 0.42	< 0.42	< 0.4
Atrazine	3	< 0.41	< 0.39	< 0.45	< 0.43	< 0.39	< 0.43	< 0.44	< 0.43	< 0.4	< 0.44	< 0.43	< 0.42	< 0.42	< 0.42	< 0.41	< 0.39
Benzaldehyde	NS	< 0.43	< 0.4	< 0.47	< 0.44	< 0.4	< 0.44	< 0.46	< 0.44	< 0.42	< 0.46	< 0.44	< 0.43	< 0.43	< 0.43	< 0.42	< 0.4
Benzyl butyl phthalate	100	< 0.26	< 0.25	< 0.29	< 0.28	< 0.25	< 0.28	< 0.29	< 0.27	< 0.26	< 0.29	< 0.27	< 0.27	< 0.27	< 0.27	< 0.26	< 0.25
bis(2-Chloroethoxy)methane	NS	< 0.26	< 0.25	< 0.29	< 0.27	< 0.25	< 0.27	< 0.28	< 0.27	< 0.26	< 0.28	< 0.27	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25
bis(2-Chloroethyl)ether	7	< 0.33	< 0.31	< 0.36	< 0.34	< 0.31	< 0.34	< 0.35	< 0.34	< 0.32	< 0.35	< 0.34	< 0.33	< 0.33	< 0.33	< 0.32	< 0.31
bis(2-Chloroisopropyl)ether	300	< 0.41	< 0.39	< 0.45	< 0.43	< 0.39	< 0.43	< 0.44	< 0.42	< 0.4	< 0.44	< 0.42	< 0.41	< 0.41	< 0.41	< 0.41	< 0.39
bis(2-Ethylhexyl)phthalate	3	< 0.34	< 0.33	< 0.38	2.7	< 0.33	< 0.36	< 0.37	< 0.36	< 0.34	< 0.37	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.33
Caprolactam	NS	< 0.21	< 0.2	< 0.23	< 0.21	< 0.2	< 0.21	< 0.22	< 0.21	< 0.2	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.2	< 0.2
Carbazole	NS	< 0.17	< 0.17	< 0.19	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.17	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Dibenzofuran	NS	< 0.32	< 0.3	< 0.35	< 0.33	< 0.3	< 0.33	< 0.35	< 0.33	< 0.31	< 0.35	< 0.33	< 0.32	< 0.32	< 0.32	< 0.32	< 0.3
Diethyl phthalate	6000	< 0.17	< 0.17	< 0.19	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.17	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17
Dimethyl phthalate	NS	< 0.24	< 0.23	< 0.26	< 0.25	< 0.23	< 0.25	< 0.26	< 0.24	< 0.23	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.23	< 0.23
di-n-butyl phthalate	700	< 0.2	< 0.19	< 0.22	< 0.21	< 0.19	< 0.21	< 0.22	< 0.21	< 0.2	< 0.22	< 0.21	< 0.2	< 0.2	< 0.2	< 0.2	< 0.19
di-n-octylphthalate	100	< 0.42	< 0.4	< 0.46	< 0.43	< 0.4	< 0.43	< 0.45	< 0.43	< 0.41	< 0.45	< 0.43	< 0.42	< 0.42	< 0.42	< 0.41	< 0.4
Hexachlorobutadiene	1	< 0.39	< 0.37	< 0.43	< 0.41	< 0.37	< 0.41	< 0.42	< 0.4	< 0.38	< 0.42	< 0.4	< 0.4	< 0.4	< 0.4	< 0.39	< 0.37
Hexachlorocyclopentadiene	40	< 0.71	< 0.67	< 0.78	< 0.74	< 0.67	< 0.74	< 0.76	< 0.73	< 0.69	< 0.76	< 0.73	< 0.71	< 0.71	< 0.71	< 0.7	< 0.67
Hexachloroethane	7	< 0.28	< 0.26	< 0.31	< 0.29	< 0.26	< 0.29	< 0.3	< 0.29	< 0.27	< 0.3	< 0.29	< 0.28	< 0.28	< 0.28	< 0.27	< 0.26
Isophrone	40	< 0.26	< 0.25	< 0.29	< 0.27	< 0.25	< 0.27	< 0.28	< 0.27	< 0.26	< 0.28	< 0.27	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25
Nitrobenzene	6	< 0.27	< 0.25	< 0.29	< 0.28	< 0.25	< 0.28	< 0.29	< 0.28	< 0.26	< 0.29	< 0.28	< 0.27	< 0.27	< 0.27	< 0.26	< 0.25
N-Nitroso-di-n-Propylamine	10	< 0.46	< 0.44	< 0.51	< 0.48	< 0.44	< 0.48	< 0.5	< 0.48	< 0.45	< 0.5	< 0.48	< 0.47	< 0.47	< 0.47	< 0.46	< 0.44
N-Nitrosodiphenylamine	10	< 0.23	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.24	< 0.23	< 0.22	< 0.24	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22
Phenol	2000	< 0.61	< 0.58	< 0.67	< 0.63	< 0.58	< 0.63	< 0.66	< 0.63	< 0.59	< 0.66	< 0.63	< 0.61	< 0.61	< 0.61	< 0.6	< 0.58
Total TIC, Semi-Volatile	NS	0	0	0	0	0	0	0	0	5.4 J	18 J	0	0	0	0	73.6 J	8.1 J

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		DUP	DUP	DUP	DUP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A	OB-14B
Sample ID	**GWQS[1]**	**DUP(063009)**	**DUP(070709)**	**DUP(071009)**	**DUP(071609)**	**OB-1(070209)**	**OB-2(063009)**	**OB-3(063009)**	**OB-4(070109)**	**OB-5(070109)**	**OB-6(070209)**	**OB-7(070109)**	**OB-10(070109)**	**OB-12(063009)**	**OB-13(070109)**	**OB-14A(070609)**	**OB-14B(070609)**
Sample Date		**6/30/2009**	**7/7/2009**	**7/10/2009**	**7/16/2009**	**7/2/2009**	**6/30/2009**	**6/30/2009**	**7/1/2009**	**7/1/2009**	**7/2/2009**	**7/1/2009**	**7/1/2009**	**6/30/2009**	**7/1/2009**	**7/6/2009**	**7/6/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC BY SIM																	
Acenaphthene	400	< 0.017	< 0.016	< 0.019	< 0.032	< 0.016	< 0.017	< 0.018	< 0.017	< 0.016	< 0.018	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.016
Acenaphthylene	NS	< 0.0076	< 0.007	< 0.0081	< 0.043	< 0.007	< 0.0076	< 0.0078	< 0.0076	< 0.0072	< 0.008	< 0.0076	< 0.0074	< 0.0074	< 0.0074	< 0.0073	< 0.007
Anthracene	2000	< 0.023	< 0.021	< 0.024	< 0.028	< 0.021	< 0.023	< 0.023	< 0.023	< 0.022	< 0.024	< 0.023	< 0.022	< 0.022	< 0.022	< 0.022	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.037	< 0.034	< 0.039	< 0.026	< 0.034	< 0.037	< 0.037	< 0.037	< 0.035	< 0.038	< 0.037	< 0.036	< 0.035	< 0.036	< 0.035	< 0.034
Benzo(a)pyrene	0.1 [0.2]	< 0.039	< 0.036	< 0.041	< 0.034	< 0.036	< 0.039	< 0.039	< 0.039	< 0.037	< 0.04	< 0.039	< 0.038	< 0.037	< 0.038	< 0.037	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.017	< 0.02	< 0.039	< 0.017	< 0.018	< 0.019	< 0.018	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017
Benzo(g,h,i)perylene	NS	< 0.013	< 0.012	< 0.014	< 0.032	< 0.012	< 0.013	< 0.013	< 0.013	< 0.012	< 0.013	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
Benzo(k)fluoranthene	0.5	< 0.02	< 0.019	< 0.022	< 0.031	< 0.019	< 0.02	< 0.021	< 0.02	< 0.019	< 0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.019
Chrysene	5	< 0.019	< 0.018	< 0.02	< 0.024	< 0.018	< 0.019	< 0.02	< 0.019	< 0.018	< 0.02	< 0.019	< 0.019	< 0.019	< 0.019	< 0.018	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.022	< 0.02	< 0.023	< 0.025	< 0.02	< 0.022	< 0.022	< 0.022	< 0.021	< 0.023	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021	< 0.02
Fluoranthene	300	< 0.01	< 0.0096	< 0.011	< 0.027	< 0.0096	< 0.01	< 0.011	< 0.01	< 0.0099	< 0.011	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0096
Fluorene	300	< 0.021	< 0.02	< 0.023	< 0.03	< 0.02	< 0.021	< 0.022	< 0.021	< 0.02	< 0.022	< 0.021	< 0.021	< 0.021	< 0.021	< 0.02	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.0099	< 0.012	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.01	< 0.0099
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.016	< 0.014	< 0.017	< 0.032	< 0.014	< 0.016	< 0.016	< 0.016	< 0.015	< 0.016	< 0.016	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014
Naphthalene	300	< 0.015	< 0.014	< 0.016	< 0.02	< 0.014	< 0.015	< 0.015	< 0.015	< 0.014	< 0.016	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014	< 0.014
Pentachlorophenol	0.3 [1]	< 0.24	< 0.22	< 0.26	< 0.25	< 0.22	< 0.24	< 0.25	< 0.24	< 0.23	< 0.25	< 0.24	< 0.24	< 0.23	< 0.24	< 0.23	< 0.22
Phenanthrene	NS	< 0.018	< 0.017	< 0.02	< 0.04	< 0.017	< 0.018	< 0.019	< 0.018	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.017
Pyrene	200	< 0.013	< 0.012	< 0.014	< 0.024	< 0.012	< 0.013	< 0.013	< 0.013	< 0.012	< 0.014	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012
PCBs																	
PCB 1016	0.5	< 0.21	< 0.19	< 0.21	< 0.24	< 0.19	< 0.21	< 0.21	< 0.2	< 0.19	< 0.21	< 0.19	< 0.19	< 0.2	< 0.19	< 0.2	< 0.19
PCB 1221	0.5	< 0.34	< 0.31	< 0.34	< 0.38	< 0.31	< 0.35	< 0.34	< 0.32	< 0.31	< 0.34	< 0.31	< 0.31	< 0.32	< 0.31	< 0.33	< 0.31
PCB 1232	0.5	< 0.23	< 0.21	< 0.23	< 0.26	< 0.21	< 0.23	< 0.23	< 0.21	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21
PCB 1242	0.5	< 0.099	< 0.089	< 0.099	< 0.11	< 0.089	< 0.1	< 0.099	< 0.093	< 0.091	< 0.099	< 0.089	< 0.089	< 0.093	< 0.089	< 0.096	< 0.089
PCB 1248	0.5	< 0.28	< 0.25	< 0.28	< 0.32	< 0.25	< 0.29	< 0.28	< 0.26	< 0.26	< 0.28	< 0.25	< 0.25	< 0.26	< 0.25	< 0.27	< 0.25
PCB 1254	0.5	< 0.12	< 0.11	< 0.12	< 0.14	< 0.11	< 0.13	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.12	< 0.11
PCB 1260	0.5	< 0.16	< 0.14	< 0.16	< 0.18	< 0.14	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.14	< 0.14	< 0.15	< 0.14	< 0.15	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total																	
Aluminum	200	< 26	**1240**	**1110**	94.6 B	**776**	< 26	< 26	104 B	< 26	< 26	< 26	< 26	< 26	**247**	< 26	102 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	2.8 B	< 2.4
Barium	2000	3.7 B	9.1 B	42.3 B	7.4 B	5.3 B	5.4 B	2.5 B	32.7 B	19.5 B	15.8 B	15.7 B	26 B	3.7 B	4.7 B	439	48.6 B
Beryllium	1	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	0.6 B	0.5 B	0.4 B	0.6 B	< 0.4	0.8 B	0.4 B	0.6 B	0.6 B	1	**1.1**
Cadmium	4	< 0.4	1.3 B	1.2 B	< 0.4	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	7240	8440	53800	49500	4600 B	11900	14100	29500	69800	24500	69700	14900	7400	7430	112000	107000
Chromium	70	1.1 B	1.6 B	3.9 B	1.2 B	3.1 B	1.1 B	1.6 B	3.7 B	8.4 B	3.2 B	2.9 B	2.9 B	1 B	13.9	1.3 B	1.3 B
Cobalt	NS	< 0.4	0.5 B	< 0.4	0.4 B	< 0.4	< 0.4	< 0.4	4.6 B	2.1 B	6.6 B	2.4 B	1 B	< 0.4	< 0.4	1.4 B	0.7 B
Copper	1,300	4.3 B	14.5	4.7 B	< 1.6	< 1.6	1.9 B	< 1.6	2.7 B	4.8 B	1.7 B	2.5 B	1.9 B	4.2 B	< 1.6	1.7 B	< 1.6
Iron	300	79.6 B	**1790**	**3810**	**1240**	123	28.3 B	**1390**	**7480**	**16900**	**5150**	**3480**	**4160**	72.9 B	63.1 B	**50500**	**1040**
Lead	5	< 1.7	< 1.7	< 1.7	**6.4**	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	2640 B	4050 B	20300	9650	1600 B	4170 B	3850 B	8000	32300	5780	28000	3010 B	2700 B	3000 B	10800	30000
Manganese	50	2.6 B	**84.2**	**239**	**188**	3 B	1.9 B	35.2	**440**	**776**	**2540**	**2180**	**2570**	2.5 B	5.4 B	**1360**	**2100**
Mercury	2	< 0.049	< 0.049	< 0.049	0.086 B	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	0.088 B	< 0.049	< 0.049	< 0.049
Nickel	100	0.6 B	2.3 B	4.3 B	0.8 B	1.4 B	< 0.6	< 0.6	5.6 B	7.8 B	4.8 B	4.9 B	5.1 B	< 0.6	20.5	3 B	1.9 B
Potassium	NS	761 B	1210 B	2920 B	2930 B	345 B	1580 B	978 B	1690 B	2920 B	1930 B	2880 B	1120 B	775 B	1230 B	5810 B	3180 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	4.6 B	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	< 1	1 B	1 B	< 1	< 1	< 1	< 1	< 1	< 1	1.7 B	1.1 B	< 1	1 B	1.5 B	2.2 B
Sodium	50,000	2720 B	3180 B	**134000**	3010 B	1670 B	3320 B	3490 B	39800	18000	31000	10500	4430 B	2720 B	3120 B	15500	24300
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	2 B	9.9 B	0.9 B	< 0.9	< 0.9	< 0.9	< 0.9	1.6 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	3.4 B	< 0.9
Zinc	2000	4.5 B	10 B	918	1180	< 2.9	< 2.9	< 2.9	40.1	7 B	< 2.9	3.5 B	5.3 B	4.7 B	21.9	5.8 B	< 2.9

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		DUP	DUP	DUP	DUP	OB-01	OB-02	OB-03	OB-04	OB-05	OB-06	OB-07	OB-10	OB-12	OB-13	OB-14A	OB-14B
Sample ID	**GWQS[1]**	**DUP(063009)**	**DUP(070709)**	**DUP(071009)**	**DUP(071609)**	**OB-1(070209)**	**OB-2(063009)**	**OB-3(063009)**	**OB-4(070109)**	**OB-5(070109)**	**OB-6(070209)**	**OB-7(070109)**	**OB-10(070109)**	**OB-12(063009)**	**OB-13(070109)**	**OB-14A(070609)**	**OB-14B(070609)**
Sample Date		**6/30/2009**	**7/7/2009**	**7/10/2009**	**7/16/2009**	**7/2/2009**	**6/30/2009**	**6/30/2009**	**7/1/2009**	**7/1/2009**	**7/2/2009**	**7/1/2009**	**7/1/2009**	**6/30/2009**	**7/1/2009**	**7/6/2009**	**7/6/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																	
Aluminum	200	< 26	< 26	142 B	< 26	33.3 B	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26
Antimony	6	< 4	< 4	< 4	< 4	4 B	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	2.5 B	< 2.4
Barium	2000	3.8 B	2.7 B	41.8 B	6.5 B	5 B	5.2 B	2.6 B	27.8 B	11.7 B	14.8 B	14.1 B	24.5 B	3.5 B	4.4 B	425	47.4 B
Beryllium	1	0.6 B	< 0.4	< 0.4	< 0.4	0.5 B	0.6 B	0.5 B	< 0.4	0.6 B	< 0.4	0.8 B	0.4 B	0.6 B	0.5 B	**1.1**	**1.1**
Cadmium	4	< 0.4	1.2 B	0.7 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	7200	9090	55000	44600	4560 B	11500	13800	28700	68400	24400	70300	15000	7220	7400	117000	109000
Chromium	70	< 0.9	< 0.9	< 0.9	10	7.1 B	1.6 B	1.8 B	1.9 B	2.9 B	1.6 B	1.6 B	6.3 B	1 B	1.6 B	1.2 B	< 0.9
Cobalt	NS	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.9 B	1.3 B	5.7 B	2.2 B	1 B	< 0.4	< 0.4	1.4 B	0.8 B
Copper	1,300	3.2 B	< 1.6	2.5 B	< 1.6	< 1.6	2 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	1.6 B	3.5 B	< 1.6	< 1.6	< 1.6
Iron	300	< 12	< 42	232	232	40 B	14.4 B	290	**467**	**524**	**2280**	**373**	**774**	15.7 B	14 B	**47100**	70.5 B
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	2610 B	4060 B	19800	9040	1530 B	3980 B	3710 B	7750	31800	5800	28300	3030 B	2620 B	2980 B	11500	30400
Manganese	50	1.3 B	2.4 B	**217**	**117**	4 B	0.8 B	32.9	**419**	**740**	**2520**	**2180**	**2540**	1.4 B	2 B	**1400**	**2130**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	< 0.6	< 0.6	1.4 B	8.4 B	7.8 B	< 0.6	< 0.6	5.4 B	3.4 B	7.3 B	4 B	6 B	< 0.6	2.5 B	1.9 B	1.9 B
Potassium	NS	777 B	878 B	2740 B	3000 B	459 B	1570 B	965 B	1590 B	2900 B	1940 B	2880 B	1130 B	769 B	1230 B	6030 B	3200 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	< 1	< 1	1 B	< 1	< 1	1 B	< 1	< 1	< 1	1.8 B	1.1 B	< 1	1.1 B	1.3 B	2 B
Sodium	50,000	2780 B	3410 B	**138000**	2910 B	1850 B	3300 B	3530 B	39300	17900	31300	10600	4500 B	2720 B	3170 B	16400	24700
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.2 B	< 0.9
Zinc	2000	5.6 B	9.8 B	878	958	9.6 B	3.2 B	3.3 B	13.2 B	3.7 B	11.2 B	2.9 B	6.6 B	5.8 B	3.1 B	3.5 B	< 2.9
Other																	
Alkalinity, total (as CaCO3)	NS	23300	38400	90300	175000	10500	36700	48900	74600	287000	97900	312000	60000	20400	20400	193000	414000
Chloride	250000	< 2000	< 2000	**278000**	2300	< 2000	< 2000	2300	72000	58800	41800	8800	3900	< 2000	2600	22400	41500
Sulfate	250000	15800	11500	24200	< 10000	< 10000	18400	15300	24600	11500	< 10000	< 10000	< 10000	14900	11200	< 10000	11900

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23	OB-24	OB-25	OB-26	PM AIR SHAFT	PM AIR SHAFT
Sample ID	GWQS[1]	OB-15B(070609)	OB-16(070809)	OB-17(070809)	OB-18(070809)	OB-19(070709)	OB-20A(070909)	OB-20B(070909)	OB-21(070709)	OB-22(070809)	OB-23(070809)	OB-24(070809)	OB-25(070609)	OB-26(070209)	PM AIRSHAFT(180)	PM AIRSHAFT(230)
Sample Date		7/6/2009	7/8/2009	7/8/2009	7/8/2009	7/7/2009	7/9/2009	7/9/2009	7/7/2009	7/8/2009	7/8/2009	7/8/2009	7/6/2009	7/2/2009	7/10/2009	7/10/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	1	< 0.29	1	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	2.1	2.1
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	0.46 J	0.45 J
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	**1.2**	< 0.23	0.83 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	**7.4**	**7.6**
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	0.58 J	0.61 J
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	6.2	< 0.37	1.6	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	34.9	34.9
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	2.7 J	2.9 J
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	0.38 J	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	1.2	1.3
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	3.7	4
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	0.65 J	< 0.23	**171**	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	0.89 J	1 J
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	0.84 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	2.2	2.4
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	0.68 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	22.6	25.1
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	1.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	24.8	27.5
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	5.3 J	0	0	0	22.8 J	30.8 J

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23	OB-24	OB-25	OB-26	PM AIR SHAFT	PM AIR SHAFT
Sample ID	GWQS[1]	OB-15B(070609)	OB-16(070809)	OB-17(070809)	OB-18(070809)	OB-19(070709)	OB-20A(070909)	OB-20B(070909)	OB-21(070709)	OB-22(070809)	OB-23(070809)	OB-24(070809)	OB-25(070609)	OB-26(070209)	PM AIRSHAFT(180)	PM AIRSHAFT(230)
Sample Date		7/6/2009	7/8/2009	7/8/2009	7/8/2009	7/7/2009	7/9/2009	7/9/2009	7/7/2009	7/8/2009	7/8/2009	7/8/2009	7/6/2009	7/2/2009	7/10/2009	7/10/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																
1,1'-Biphenyl	400	< 0.47	< 0.46	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42	< 0.42	< 0.47	< 0.42	< 0.47	< 0.47	< 0.42	< 0.42	< 0.48
2,4,5-Trichlorophenol	700	< 1.5	< 1.5	< 1.3	< 1.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.5	< 1.3	< 1.5	< 1.5	< 1.3	< 1.3	< 1.5
2,4,6-Trichlorophenol	20	< 1.4	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.2	< 1.4
2,4-Dichlorophenol	20	< 1.4	< 1.3	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.2	< 1.4
2,4-Dimethylphenol	100	< 1.8	< 1.8	< 1.7	< 1.9	< 1.7	< 1.7	< 1.7	< 1.7	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.9
2,4-Dinitrophenol	40	< 0.82	< 0.81	< 0.74	< 0.83	< 0.74	< 0.74	< 0.74	< 0.74	< 0.83	< 0.74	< 0.82	< 0.82	< 0.74	< 0.74	< 0.85
2,4-Dinitrotoluene	NS	< 0.24	< 0.24	< 0.22	< 0.25	< 0.22	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22	< 0.24	< 0.24	< 0.22	< 0.22	< 0.25
2,6-Dinitrotoluene	NS	< 0.36	< 0.36	< 0.33	< 0.37	< 0.33	< 0.33	< 0.33	< 0.33	< 0.37	< 0.33	< 0.36	< 0.36	< 0.33	< 0.33	< 0.37
2-Chloronaphthalene	600	< 0.46	< 0.46	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42	< 0.42	< 0.47	< 0.42	< 0.46	< 0.46	< 0.42	< 0.42	< 0.48
2-Chlorophenol	40	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2
2-Methylnaphthalene	NS	< 0.73	< 0.72	< 0.66	< 0.74	< 0.66	< 0.66	< 0.66	< 0.66	< 0.74	< 0.66	< 0.73	< 0.73	< 0.66	< 0.66	< 0.76
2-Methylphenol	NS	< 1.2	< 1.2	< 1.1	< 1.3	< 1.1	< 1.1	< 1.1	< 1.1	< 1.3	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.3
2-Nitroaniline	NS	< 0.26	< 0.26	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24	< 0.26	< 0.26	< 0.24	< 0.24	< 0.27
2-Nitrophenol	NS	< 1.4	< 1.4	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.2	< 1.4
3&4-Methylphenol	NS	< 1.2	< 1.1	< 1	< 1.2	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1.2	< 1.2	< 1	< 1	< 1.2
3,3'-Dichlorobenzidine	30	< 0.33	< 0.32	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.33	< 0.3	< 0.33	< 0.33	< 0.3	< 0.3	< 0.34
3-Nitroaniline	NS	< 0.32	< 0.32	< 0.29	< 0.32	< 0.29	< 0.29	< 0.29	< 0.29	< 0.32	< 0.29	< 0.32	< 0.32	< 0.29	< 0.29	< 0.33
4,6-Dinitro-2-methylphenol	NS	< 0.57	< 0.56	< 0.51	< 0.58	< 0.51	< 0.51	< 0.51	< 0.51	< 0.58	< 0.51	< 0.57	< 0.57	< 0.51	< 0.51	< 0.59
4-Bromophenyl phenyl ether	NS	< 0.39	< 0.38	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35	< 0.35	< 0.39	< 0.35	< 0.39	< 0.39	< 0.35	< 0.35	< 0.4
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2
4-Chloroaniline	30	< 0.28	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.25	< 0.29
4-Chlorophenyl phenyl ether	NS	< 0.39	< 0.39	< 0.35	< 0.4	< 0.35	< 0.35	< 0.35	< 0.35	< 0.4	< 0.35	< 0.39	< 0.39	< 0.35	< 0.35	< 0.41
4-Nitroaniline	NS	< 0.2	< 0.2	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.2	< 0.2	< 0.18	< 0.18	< 0.2
4-Nitrophenol	NS	< 0.92	< 0.91	< 0.83	< 0.93	< 0.83	< 0.83	< 0.83	< 0.83	< 0.93	< 0.83	< 0.92	< 0.92	< 0.83	< 0.83	< 0.95
Acetophenone	700	< 0.44	< 0.44	< 0.4	< 0.45	< 0.4	< 0.4	< 0.4	< 0.4	< 0.45	< 0.4	< 0.44	< 0.44	< 0.4	< 0.4	< 0.46
Atrazine	3	< 0.43	< 0.43	< 0.39	< 0.44	< 0.39	< 0.39	< 0.39	< 0.39	< 0.44	< 0.39	< 0.43	< 0.43	< 0.39	< 0.39	< 0.45
Benzaldehyde	NS	< 0.45	< 0.44	< 0.4	< 0.45	< 0.4	< 0.4	< 0.4	< 0.4	< 0.45	< 0.4	< 0.45	< 0.45	< 0.4	< 0.4	< 0.46
Benzyl butyl phthalate	100	< 0.28	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.25	< 0.29
bis(2-Chloroethoxy)methane	NS	< 0.28	< 0.27	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.25	< 0.29
bis(2-Chloroethyl)ether	7	< 0.34	< 0.34	< 0.31	< 0.35	< 0.31	< 0.31	< 0.31	< 0.31	< 0.35	< 0.31	< 0.34	< 0.34	< 0.31	< 0.31	< 0.36
bis(2-Chloroisopropyl)ether	300	< 0.43	< 0.43	< 0.39	< 0.44	< 0.39	< 0.39	< 0.39	< 0.39	< 0.44	< 0.39	< 0.43	< 0.43	< 0.39	< 0.39	< 0.45
bis(2-Ethylhexyl)phthalate	3	< 0.36	< 0.36	< 0.33	< 0.37	< 0.33	**3.2 B**	< 0.33	< 0.33	< 0.37	1.1 J	< 0.36	< 0.36	< 0.33	< 0.33	1.6 JB
Caprolactam	NS	< 0.22	< 0.21	< 0.2	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	< 0.2	< 0.22	< 0.22	< 0.2	< 0.2	< 0.22
Carbazole	NS	< 0.18	< 0.18	< 0.17	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.19	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.19
Dibenzofuran	NS	< 0.34	< 0.33	< 0.3	< 0.34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.34	0.69 J	< 0.34	< 0.34	< 0.3	< 0.3	< 0.35
Diethyl phthalate	6000	< 0.18	< 0.18	< 0.17	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.19	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.19
Dimethyl phthalate	NS	< 0.25	< 0.25	< 0.23	< 0.25	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25	< 0.23	< 0.25	< 0.25	< 0.23	< 0.23	< 0.26
di-n-butyl phthalate	700	< 0.21	< 0.21	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.21	< 0.19	< 0.21	< 0.21	< 0.19	< 0.19	< 0.22
di-n-octylphthalate	100	< 0.44	< 0.43	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	< 0.4	< 0.44	< 0.4	< 0.44	< 0.44	< 0.4	< 0.4	< 0.45
Hexachlorobutadiene	1	< 0.41	< 0.41	< 0.37	< 0.42	< 0.37	< 0.37	< 0.37	< 0.37	< 0.42	< 0.37	< 0.41	< 0.41	< 0.37	< 0.37	< 0.43
Hexachlorocyclopentadiene	40	< 0.75	< 0.74	< 0.67	< 0.76	< 0.67	< 0.67	< 0.67	< 0.67	< 0.76	< 0.67	< 0.75	< 0.75	< 0.67	< 0.67	< 0.77
Hexachloroethane	7	< 0.29	< 0.29	< 0.26	< 0.3	< 0.26	< 0.26	< 0.26	< 0.26	< 0.3	< 0.26	< 0.29	< 0.29	< 0.26	< 0.26	< 0.3
Isophrone	40	< 0.28	< 0.27	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.25	< 0.29
Nitrobenzene	6	< 0.28	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.25	< 0.29
N-Nitroso-di-n-Propylamine	10	< 0.49	< 0.48	< 0.44	< 0.49	< 0.44	< 0.44	< 0.44	< 0.44	< 0.49	< 0.44	< 0.49	< 0.49	< 0.44	< 0.44	< 0.5
N-Nitrosodiphenylamine	10	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.22	0.69 J	< 0.22	< 0.24	1.6 J	< 0.24	< 0.24	< 0.22	1.1 J	1.3 J
Phenol	2000	< 0.64	< 0.63	< 0.58	< 0.65	< 0.58	< 0.58	< 0.58	< 0.58	< 0.65	< 0.58	< 0.64	< 0.64	< 0.58	< 0.58	< 0.66
Total TIC, Semi-Volatile	NS	0	6.3 J	0	0	4.4 J	0	4.9 J	0	0	254.4 J	0	0	0	36.8 J	28.9 J

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23	OB-24	OB-25	OB-26	PM AIR SHAFT	PM AIR SHAFT
Sample ID	GWQS[1]	OB-15B(070609)	OB-16(070809)	OB-17(070809)	OB-18(070809)	OB-19(070709)	OB-20A(070909)	OB-20B(070909)	OB-21(070709)	OB-22(070809)	OB-23(070809)	OB-24(070809)	OB-25(070609)	OB-26(070209)	PM AIRSHAFT(180)	PM AIRSHAFT(230)
Sample Date		7/6/2009	7/8/2009	7/8/2009	7/8/2009	7/7/2009	7/9/2009	7/9/2009	7/7/2009	7/8/2009	7/8/2009	7/8/2009	7/6/2009	7/2/2009	7/10/2009	7/10/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM																
Acenaphthene	400	< 0.018	< 0.018	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.018	1.03	< 0.018	< 0.018	< 0.016	< 0.016	< 0.018
Acenaphthylene	NS	< 0.0078	< 0.0077	< 0.007	< 0.0079	< 0.007	< 0.007	< 0.007	< 0.007	< 0.0079	< 0.007	< 0.0078	< 0.0078	< 0.007	< 0.007	< 0.008
Anthracene	2000	< 0.023	< 0.023	< 0.021	< 0.024	< 0.021	< 0.021	< 0.021	< 0.021	< 0.024	< 0.021	< 0.023	< 0.023	< 0.021	< 0.021	< 0.024
Benzo(a)anthracene	0.1 [0.2]	< 0.037	< 0.037	< 0.034	< 0.038	< 0.034	< 0.034	< 0.034	< 0.034	< 0.038	< 0.034	< 0.037	< 0.037	< 0.034	< 0.034	< 0.039
Benzo(a)pyrene	0.1 [0.2]	< 0.039	< 0.039	< 0.036	< 0.04	< 0.036	< 0.036	< 0.036	< 0.036	< 0.04	< 0.036	< 0.039	< 0.039	< 0.036	< 0.036	< 0.041
Benzo(b)fluoranthene	0.2 [10]	< 0.019	< 0.019	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.017	< 0.019	< 0.017	< 0.019	< 0.019	< 0.017	< 0.017	< 0.02
Benzo(g,h,i)perylene	NS	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.013	< 0.012	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013
Benzo(k)fluoranthene	0.5	< 0.021	< 0.021	< 0.019	< 0.021	< 0.019	< 0.019	< 0.019	< 0.019	< 0.021	< 0.019	< 0.021	< 0.021	< 0.019	< 0.019	< 0.022
Chrysene	5	< 0.02	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.018	< 0.018	< 0.02	< 0.018	< 0.02	< 0.02	< 0.018	< 0.018	< 0.02
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.022	< 0.022	< 0.02	< 0.023	< 0.02	< 0.02	< 0.02	< 0.02	< 0.023	< 0.02	< 0.022	< 0.022	< 0.02	< 0.02	< 0.023
Fluoranthene	300	< 0.011	< 0.011	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.011	< 0.0096	< 0.011	< 0.011	< 0.0096	< 0.0096	< 0.011
Fluorene	300	< 0.022	< 0.022	< 0.02	< 0.022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.022	0.538	< 0.022	< 0.022	< 0.02	< 0.02	< 0.023
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.011	< 0.0099	< 0.011	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.0099	< 0.0099	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.016	< 0.016	< 0.014	< 0.016	< 0.014	< 0.014	< 0.014	< 0.014	< 0.016	< 0.014	< 0.016	< 0.016	< 0.014	< 0.014	< 0.017
Naphthalene	300	< 0.015	< 0.015	< 0.014	< 0.016	0.693	< 0.014	0.663	< 0.014	< 0.016	< 0.014	< 0.015	< 0.015	< 0.014	4.73	5.04
Pentachlorophenol	0.3 [1]	< 0.25	< 0.25	< 0.22	< 0.25	< 0.22	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22	< 0.25	< 0.25	< 0.22	< 0.22	< 0.26
Phenanthrene	NS	< 0.019	< 0.019	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.017	< 0.019	0.24	< 0.019	< 0.019	< 0.017	< 0.017	< 0.02
Pyrene	200	< 0.013	< 0.013	< 0.012	< 0.014	< 0.012	< 0.012	< 0.012	< 0.012	< 0.014	< 0.012	< 0.013	< 0.013	< 0.012	< 0.012	< 0.014
PCBs																
PCB 1016	0.5	< 0.2	< 0.21	< 0.2	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	< 0.22	< 0.21	< 0.2	< 0.25	< 0.21	< 0.21	< 0.19
PCB 1221	0.5	< 0.32	< 0.34	< 0.32	< 0.31	< 0.33	< 0.31	< 0.31	< 0.31	< 0.36	< 0.34	< 0.32	< 0.4	< 0.33	< 0.34	< 0.31
PCB 1232	0.5	< 0.21	< 0.23	< 0.22	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.24	< 0.23	< 0.22	< 0.27	< 0.22	< 0.23	< 0.21
PCB 1242	0.5	< 0.093	< 0.099	< 0.094	< 0.089	< 0.097	< 0.089	< 0.089	< 0.089	< 0.1	< 0.099	< 0.094	< 0.12	< 0.097	< 0.098	< 0.089
PCB 1248	0.5	< 0.26	< 0.28	< 0.27	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.3	< 0.28	< 0.27	< 0.33	< 0.28	< 0.28	< 0.25
PCB 1254	0.5	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.13	< 0.12	< 0.12	< 0.15	< 0.12	< 0.12	< 0.11
PCB 1260	0.5	< 0.15	< 0.16	< 0.15	< 0.14	< 0.16	< 0.14	< 0.14	< 0.14	< 0.17	< 0.16	< 0.15	< 0.19	< 0.16	< 0.16	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total																
Aluminum	200	**700**	129 B	85.5 B	**420**	170 B	44.7 B	< 26	**1180**	**2280**	177 B	**1020**	**17700**	**376**	129 B	148 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	2.4 B	**5.1**	< 2.4	< 2.4	< 2.4	2.8 B	2.4 B	< 2.4	< 2.4	< 2.4	< 2.4	**8.4**	< 2.4	< 2.4	< 2.4
Barium	2000	17.4 B	88.1 B	11.3 B	9.4 B	116 B	121 B	58.7 B	8.9 B	22.5 B	436	44.7 B	108 B	28.7 B	416	414
Beryllium	1	0.8 B	< 0.4	< 0.4	< 0.4	< 0.4	0.4 B	0.9 B	< 0.4	< 0.4	< 0.4	< 0.4	**3.3**	0.4 B	< 0.4	< 0.4
Cadmium	4	< 0.4	0.6 B	1 B	0.4 B	0.6 B	< 0.4	< 0.4	1.3 B	0.6 B	0.5 B	0.9 B	< 0.4	< 0.4	1.1 B	0.9 B
Calcium	NS	21800	149000	89000	48700	20400	27000	45200	8650	31900	117000	97600	45200	10400	37600	37200
Chromium	70	2.5 B	< 0.9	1.8 B	1.2 B	1.2 B	1.2 B	< 0.9	1.9 B	3.2 B	2.2 B	1.1 B	24.1	3.3 B	1.9 B	1.8 B
Cobalt	NS	0.6 B	1.5 B	< 0.4	< 0.4	0.4 B	2.4 B	21 B	0.5 B	1 B	1.2 B	0.5 B	12.5 B	< 0.4	< 0.4	< 0.4
Copper	1,300	11.4	< 2	< 2	< 2	3.6 B	1.7 B	2.9 B	14.6	18.2	3.8 B	2.9 B	57.4	4.8 B	< 2	< 2
Iron	300	**1070**	**12400**	**3130**	**490**	**37500**	**26800**	**32000**	**1550**	**2960**	**42300**	**2130**	**28300**	**403**	**68900**	**68300**
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**7.5**	< 1.7	**19.9**	2 B	2.7 B	2.2 B
Magnesium	NS	5570	20500	28700	10200	3280 B	3130 B	8920	4080 B	6230	12400	24200	13300	2670 B	3650 B	3610 B
Manganese	50	**1830**	**3030**	**496**	9.8 B	**447**	**685**	**7850**	**85.9**	**64.2**	**1400**	**789**	**735**	9.9 B	**672**	**671**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	0.071 B	< 0.049	< 0.049	< 0.049
Nickel	100	11.8	1.1 B	0.9 B	0.7 B	< 0.6	3.1 B	4.6 B	2.3 B	3.4 B	2.9 B	1.7 B	29	4.3 B	0.9 B	< 0.6
Potassium	NS	837 B	9650 B	834 B	521 B	1160 B	2170 B	2520 B	1210 B	1360 B	10000	2340 B	8490 B	1020 B	1730 B	1720 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	4.3 B	< 3.7	< 3.7	< 3.7	4.3 B	3.7 B	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	1.4 B	< 1	< 1	< 1	< 1	< 1	2.4 B	< 1	< 1	< 1	< 1	4.9 B	< 1	1.7 B	< 1
Sodium	50,000	3860 B	25700	15000	6210 B	2790 B	2920 B	4300 B	3250 B	13500	**86900**	14700	42800	2450 B	3370 B	3320 B
Thallium	2 [10]	< 1.5	1.7 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	2.4 B	< 0.9	< 0.9	< 0.9	2.3 B	1.4 B	< 0.9	1.9 B	3.3 B	< 0.9	3.9 B	30.2 B	0.9 B	6.8 B	6 B
Zinc	2000	8 B	< 2.9	< 2.9	< 2.9	20.2	9.3 B	5.1 B	6.9 B	24.1	47.9	< 2.9	112	35.8	45.6	56.5

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-15B	OB-16	OB-17	OB-18	OB-19	OB-20A	OB-20B	OB-21	OB-22	OB-23	OB-24	OB-25	OB-26	PM AIR SHAFT	PM AIR SHAFT
Sample ID	**GWQS[1]**	**OB-15B(070609)**	**OB-16(070809)**	**OB-17(070809)**	**OB-18(070809)**	**OB-19(070709)**	**OB-20A(070909)**	**OB-20B(070909)**	**OB-21(070709)**	**OB-22(070809)**	**OB-23(070809)**	**OB-24(070809)**	**OB-25(070609)**	**OB-26(070209)**	**PM AIRSHAFT(180)**	**PM AIRSHAFT(230)**
Sample Date		**7/6/2009**	**7/8/2009**	**7/8/2009**	**7/8/2009**	**7/7/2009**	**7/9/2009**	**7/9/2009**	**7/7/2009**	**7/8/2009**	**7/8/2009**	**7/8/2009**	**7/6/2009**	**7/2/2009**	**7/10/2009**	**7/10/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																
Aluminum	200	< 26	134 B	80.3 B	45 B	< 26	44 B	< 26	< 26	53.8 B	103 B	93.9 B	< 26	44.6 B	102 B	96.3 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	2.8 B	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	1.9 B	72.3 B	11 B	6.9 B	98.4 B	121 B	42.3 B	2.6 B	10.5 B	332	38.2 B	20.1 B	25.8 B	371	361
Beryllium	1	0.8 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	0.6 B	< 0.4	< 0.4	< 0.4
Cadmium	4	< 0.4	0.4 B	1.3 B	0.5 B	0.6 B	< 0.4	< 0.4	1.1 B	< 0.4	0.6 B	0.8 B	< 0.4	< 0.4	< 0.4	0.6 B
Calcium	NS	23700	148000	91100	47100	19600	26600	44200	9270	33600	113000	99300	47400	10200	37500	36100
Chromium	70	1.1 B	1 B	< 0.9	2 B	< 0.9	1.5 B	< 0.9	< 0.9	2.5 B	2.6 B	< 0.9	1 B	1.2 B	< 0.9	< 0.9
Cobalt	NS	< 0.4	1.6 B	< 0.4	< 0.4	< 0.4	2.3 B	20.3 B	< 0.4	< 0.4	0.5 B	< 0.4	0.5 B	< 0.4	< 0.4	< 0.4
Copper	1,300	< 1.6	6.2 B	< 2	< 2	2.1 B	1.7 B	< 1.6	< 1.6	< 2	< 2	< 2	4.5 B	3.9 B	< 2	< 2
Iron	300	24.8 B	**2610**	**1430**	26.5 B	**24000**	**30000**	**14700**	< 42	69.2 B	**19000**	26.7 B	53.4 B	60.2 B	**51500**	**44600**
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	5880	20900	28800	9650	3200 B	3040 B	8750	4030 B	6180	12100	24100	10000	2610 B	3740 B	3570 B
Manganese	50	**241**	**2990**	**493**	1.1 B	**433**	**679**	**7720**	2.1 B	6 B	**1330**	**93**	28.5	4.7 B	**650**	**646**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	1.1 B	1.8 B	1 B	< 0.6	< 0.6	2.4 B	4.3 B	0.8 B	1.1 B	3.5 B	< 0.6	1.1 B	2.8 B	< 0.6	< 0.6
Potassium	NS	928 B	9780 B	824 B	382 B	1120 B	2040 B	2440 B	886 B	765 B	9630 B	2140 B	6220 B	964 B	1850 B	1680 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	4.1 B	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	1 B	< 1	< 1	< 1	< 1	1.2 B	2.3 B	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	4450 B	26100	15200	6000 B	2700 B	2840 B	4270 B	3350 B	14200	**82300**	14900	48200	2430 B	4080 B	3300 B
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	0.9 B	< 0.9	< 0.9	< 0.9	< 0.9	1.4 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	< 2.9	13.6 B	< 2.9	4.6 B	8.4 B	9.3 B	3.5 B	14.9 B	8.5 B	9.1 B	4 B	8.3 B	31.6	17.5 B	80
Other																
Alkalinity, total (as CaCO3)	NS	77500	443000	220000	159000	74600	85600	181000	37300	69300	418000	228000	151000	29700	128000	127000
Chloride	250000	< 2000	49800	7100	< 2000	< 2000	< 2000	< 2000	< 2000	41700	89900	88000	74100	< 2000	< 2000	< 2000
Sulfate	250000	15000	19800	46900	15200	< 10000	< 10000	< 10000	11300	18300	< 10000	32900	23500	< 10000	< 10000	< 10000

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-1	RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	RW-1(10-30)	RW-1(58-78)	RW-1(97-117)	RW-1(126-146)	RW-2(20-50)	RW-2 (102-133)	RW-2 (162-192)	RW-2 (279-309)	RW-2(441-472)	RW-3(62-98)	RW-4(56-77)	RW-4(108-128)	RW-4(328-349)	RW-4(388-408)	RW-5(070709)	RW-5A(070709)
Sample Date		7/17/2009	7/17/2009	7/17/2009	7/17/2009	7/10/2009	7/13/2009	7/13/2009	7/13/2009	7/14/2009	7/6/2009	6/30/2009	6/30/2009	7/2/2009	7/2/2009	7/7/2009	7/7/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																	
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	0.35 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	0.26 J	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	18.6	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	7	5.1	4.9	4.8	2.8	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.4 J	0.32 J	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-1	RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	GWQS[1]	RW-1(10-30)	RW-1(58-78)	RW-1(97-117)	RW-1(126-146)	RW-2(20-50)	RW-2 (102-133)	RW-2 (162-192)	RW-2 (279-309)	RW-2(441-472)	RW-3(62-98)	RW-4(56-77)	RW-4(108-128)	RW-4(328-349)	RW-4(388-408)	RW-5(070709)	RW-5A(070709)
Sample Date		7/17/2009	7/17/2009	7/17/2009	7/17/2009	7/10/2009	7/13/2009	7/13/2009	7/13/2009	7/14/2009	7/6/2009	6/30/2009	6/30/2009	7/2/2009	7/2/2009	7/7/2009	7/7/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																	
1,1'-Biphenyl	400	< 0.48	< 0.47	< 0.46	< 0.48	< 0.49	< 0.5	< 0.5	< 0.47	< 0.42	< 0.47	< 0.48	< 0.42	< 0.46	< 0.43	< 0.42	< 0.46
2,4,5-Trichlorophenol	700	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.6	< 1.6	< 1.5	< 1.3	< 1.5	< 1.5	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4
2,4,6-Trichlorophenol	20	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3
2,4-Dichlorophenol	20	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.3	< 1.2	< 1.2	< 1.3
2,4-Dimethylphenol	100	< 1.9	< 1.9	< 1.8	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.7	< 1.8	< 1.9	< 1.7	< 1.8	< 1.7	< 1.7	< 1.8
2,4-Dinitrophenol	40	< 0.84	< 0.83	< 0.81	< 0.85	< 0.86	< 0.87	< 0.87	< 0.82	< 0.74	< 0.82	< 0.84	< 0.74	< 0.8	< 0.74	< 0.74	< 0.8
2,4-Dinitrotoluene	NS	< 0.25	< 0.25	< 0.24	< 0.25	< 0.26	< 0.26	< 0.26	< 0.24	< 0.22	< 0.24	< 0.25	< 0.22	< 0.24	< 0.22	< 0.22	< 0.24
2,6-Dinitrotoluene	NS	< 0.37	< 0.37	< 0.36	< 0.37	< 0.38	< 0.38	< 0.38	< 0.36	< 0.33	< 0.36	< 0.37	< 0.33	< 0.35	< 0.33	< 0.33	< 0.35
2-Chloronaphthalene	600	< 0.47	< 0.47	< 0.46	< 0.48	< 0.48	< 0.49	< 0.49	< 0.46	< 0.42	< 0.46	< 0.47	< 0.42	< 0.45	< 0.42	< 0.42	< 0.45
2-Chlorophenol	40	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2
2-Methylnaphthalene	NS	< 0.75	< 0.74	< 0.72	< 0.76	< 0.77	< 0.77	< 0.77	< 0.73	< 0.66	< 0.73	< 0.75	< 0.66	< 0.72	< 0.66	< 0.66	< 0.72
2-Methylphenol	NS	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.1	< 1.2	< 1.3	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2
2-Nitroaniline	NS	< 0.27	< 0.26	< 0.26	< 0.27	< 0.27	< 0.28	< 0.28	< 0.26	< 0.24	< 0.26	< 0.27	< 0.24	< 0.26	< 0.24	< 0.24	< 0.26
2-Nitrophenol	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.2	< 1.4	< 1.4	< 1.2	< 1.3	< 1.3	< 1.2	< 1.3
3&4-Methylphenol	NS	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1	< 1.2	< 1.2	< 1	< 1.1	< 1.1	< 1	< 1.1
3,3'-Dichlorobenzidine	30	< 0.34	< 0.33	< 0.32	< 0.34	< 0.34	< 0.35	< 0.35	< 0.33	< 0.3	< 0.33	< 0.34	< 0.3	< 0.32	< 0.3	< 0.3	< 0.32
3-Nitroaniline	NS	< 0.33	< 0.32	< 0.32	< 0.33	< 0.33	< 0.34	< 0.34	< 0.32	< 0.29	< 0.32	< 0.33	< 0.29	< 0.31	< 0.29	< 0.29	< 0.31
4,6-Dinitro-2-methylphenol	NS	< 0.58	< 0.58	< 0.56	< 0.59	< 0.6	< 0.6	< 0.6	< 0.57	< 0.51	< 0.57	< 0.58	< 0.51	< 0.56	< 0.52	< 0.51	< 0.56
4-Bromophenyl phenyl ether	NS	< 0.4	< 0.39	< 0.38	< 0.4	< 0.41	< 0.41	< 0.41	< 0.39	< 0.35	< 0.39	< 0.4	< 0.35	< 0.38	< 0.35	< 0.35	< 0.38
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
4-Chloroaniline	30	< 0.29	< 0.28	< 0.28	< 0.29	< 0.29	< 0.3	< 0.3	< 0.28	< 0.25	< 0.28	< 0.29	< 0.25	< 0.28	< 0.26	< 0.25	< 0.28
4-Chlorophenyl phenyl ether	NS	< 0.4	< 0.4	< 0.39	< 0.41	< 0.41	< 0.42	< 0.42	< 0.39	< 0.35	< 0.39	< 0.4	< 0.35	< 0.38	< 0.36	< 0.35	< 0.38
4-Nitroaniline	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.21	< 0.21	< 0.21	< 0.2	< 0.18	< 0.2	< 0.2	< 0.18	< 0.19	< 0.18	< 0.18	< 0.19
4-Nitrophenol	NS	< 0.94	< 0.93	< 0.91	< 0.95	< 0.96	< 0.97	< 0.97	< 0.92	< 0.83	< 0.92	< 0.94	< 0.83	< 0.9	< 0.84	< 0.83	< 0.9
Acetophenone	700	< 0.45	< 0.45	< 0.44	< 0.46	< 0.46	< 0.47	< 0.47	< 0.44	< 0.4	< 0.44	< 0.45	< 0.4	< 0.43	< 0.4	< 0.4	< 0.43
Atrazine	3	< 0.44	< 0.44	< 0.43	< 0.45	< 0.45	< 0.46	< 0.46	< 0.43	< 0.39	< 0.43	< 0.44	< 0.39	< 0.43	< 0.39	< 0.39	< 0.43
Benzaldehyde	NS	< 0.46	< 0.45	< 0.44	< 0.46	< 0.47	< 0.48	< 0.48	< 0.45	< 0.4	< 0.45	< 0.46	< 0.4	< 0.44	< 0.41	< 0.4	< 0.44
Benzyl butyl phthalate	100	< 0.29	< 0.28	< 0.28	< 0.29	< 0.29	< 0.3	< 0.3	< 0.28	< 0.25	< 0.28	< 0.29	< 0.25	< 0.27	< 0.25	< 0.25	< 0.27
bis(2-Chloroethoxy)methane	NS	< 0.28	< 0.28	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.27	< 0.25	< 0.25	< 0.27
bis(2-Chloroethyl)ether	7	< 0.35	< 0.35	< 0.34	< 0.36	< 0.36	< 0.36	< 0.36	< 0.34	< 0.31	< 0.34	< 0.35	< 0.31	< 0.34	< 0.31	< 0.31	< 0.34
bis(2-Chloroisopropyl)ether	300	< 0.44	< 0.44	< 0.43	< 0.45	< 0.45	< 0.46	< 0.46	< 0.43	< 0.39	< 0.43	< 0.44	< 0.39	< 0.42	< 0.39	< 0.39	< 0.42
bis(2-Ethylhexyl)phthalate	3	< 0.37	< 0.37	< 0.36	1.3 J	< 0.38	< 0.38	< 0.38	< 0.36	< 0.33	< 0.36	< 0.37	1.2 J	< 0.36	1.1 J	< 0.33	< 0.36
Caprolactam	NS	< 0.22	< 0.22	< 0.21	< 0.22	< 0.23	< 0.23	< 0.23	< 0.22	< 0.2	< 0.22	< 0.22	< 0.2	< 0.21	< 0.2	< 0.2	< 0.21
Carbazole	NS	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.17	< 0.18	< 0.19	< 0.17	< 0.18	< 0.17	< 0.17	< 0.18
Dibenzofuran	NS	< 0.35	< 0.34	< 0.33	< 0.35	< 0.35	< 0.36	< 0.36	< 0.34	< 0.3	< 0.34	< 0.35	< 0.3	< 0.33	< 0.31	< 0.3	< 0.33
Diethyl phthalate	6000	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.17	< 0.18	< 0.19	< 0.17	< 0.18	< 0.17	< 0.17	< 0.18
Dimethyl phthalate	NS	< 0.26	< 0.25	< 0.25	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25	< 0.23	< 0.25	< 0.26	< 0.23	< 0.24	< 0.23	< 0.23	< 0.24
di-n-butyl phthalate	700	< 0.22	< 0.21	< 0.21	< 0.22	< 0.22	< 0.22	< 0.22	< 0.21	< 0.19	< 0.21	< 0.22	< 0.19	< 0.21	< 0.19	< 0.19	< 0.21
di-n-octylphthalate	100	< 0.45	< 0.44	< 0.43	< 0.45	< 0.46	< 0.46	< 0.46	< 0.44	< 0.4	< 0.44	< 0.45	< 0.4	< 0.43	< 0.4	< 0.4	< 0.43
Hexachlorobutadiene	1	< 0.42	< 0.42	< 0.41	< 0.43	< 0.43	< 0.44	< 0.44	< 0.41	< 0.37	< 0.41	< 0.42	< 0.37	< 0.4	< 0.38	< 0.37	< 0.4
Hexachlorocyclopentadiene	40	< 0.76	< 0.76	< 0.74	< 0.77	< 0.78	< 0.79	< 0.79	< 0.75	< 0.67	< 0.75	< 0.76	< 0.67	< 0.73	< 0.68	< 0.67	< 0.73
Hexachloroethane	7	< 0.3	< 0.3	< 0.29	< 0.3	< 0.31	< 0.31	< 0.31	< 0.29	< 0.26	< 0.29	< 0.3	< 0.26	< 0.29	< 0.27	< 0.26	< 0.29
Isophrone	40	< 0.28	< 0.28	< 0.27	< 0.29	< 0.29	< 0.29	< 0.29	< 0.28	< 0.25	< 0.28	< 0.28	< 0.25	< 0.27	< 0.25	< 0.25	< 0.27
Nitrobenzene	6	< 0.29	< 0.28	< 0.28	< 0.29	< 0.29	< 0.3	< 0.3	< 0.28	< 0.25	< 0.28	< 0.29	< 0.25	< 0.28	< 0.26	< 0.25	< 0.28
N-Nitroso-di-n-Propylamine	10	< 0.5	< 0.49	< 0.48	< 0.5	< 0.51	< 0.52	< 0.52	< 0.49	< 0.44	< 0.49	< 0.5	< 0.44	< 0.48	< 0.44	< 0.44	< 0.48
N-Nitrosodiphenylamine	10	< 0.24	< 0.24	< 0.24	< 0.25	< 0.25	< 0.25	< 0.25	< 0.24	< 0.22	< 0.24	< 0.24	< 0.22	< 0.23	< 0.22	< 0.22	< 0.23
Phenol	2000	< 0.66	< 0.65	< 0.63	< 0.66	< 0.67	< 0.68	< 0.68	< 0.64	< 0.58	< 0.64	< 0.66	< 0.58	< 0.63	< 0.58	< 0.58	< 0.63
Total TIC, Semi-Volatile	NS	40.4 J	6.7 J	0	41 J	36 J	0	14 J	0	0	18.6 J	0	0	0	0	8 J	37.4 J

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Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-1	RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	**GWQS[1]**	**RW-1(10-30)**	**RW-1(58-78)**	**RW-1(97-117)**	**RW-1(126-146)**	**RW-2(20-50)**	**RW-2 (102-133)**	**RW-2 (162-192)**	**RW-2 (279-309)**	**RW-2(441-472)**	**RW-3(62-98)**	**RW-4(56-77)**	**RW-4(108-128)**	**RW-4(328-349)**	**RW-4(388-408)**	**RW-5(070709)**	**RW-5A(070709)**
Sample Date		**7/17/2009**	**7/17/2009**	**7/17/2009**	**7/17/2009**	**7/10/2009**	**7/13/2009**	**7/13/2009**	**7/13/2009**	**7/14/2009**	**7/6/2009**	**6/30/2009**	**6/30/2009**	**7/2/2009**	**7/2/2009**	**7/7/2009**	**7/7/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOC BY SIM																	
Acenaphthene	400	< 0.033	< 0.033	< 0.032	< 0.033	< 0.019	< 0.034	< 0.034	< 0.032	< 0.016	< 0.018	< 0.017	< 0.017	< 0.017	< 0.016	< 0.016	< 0.017
Acenaphthylene	NS	< 0.045	< 0.044	< 0.043	< 0.045	< 0.0081	< 0.046	< 0.046	< 0.044	< 0.007	< 0.0078	< 0.0075	< 0.0076	< 0.0076	< 0.0071	< 0.007	< 0.0076
Anthracene	2000	< 0.029	< 0.029	< 0.028	< 0.029	< 0.024	< 0.03	< 0.03	< 0.028	< 0.021	< 0.023	< 0.023	< 0.023	< 0.023	< 0.021	< 0.021	< 0.023
Benzo(a)anthracene	0.1 [0.2]	< 0.027	< 0.027	< 0.026	< 0.027	< 0.039	< 0.028	< 0.028	< 0.026	< 0.034	< 0.037	< 0.036	< 0.037	< 0.037	< 0.034	< 0.034	< 0.037
Benzo(a)pyrene	0.1 [0.2]	< 0.035	< 0.035	< 0.034	< 0.035	< 0.041	< 0.036	< 0.036	< 0.034	< 0.036	< 0.039	< 0.038	< 0.039	< 0.039	< 0.036	< 0.036	< 0.039
Benzo(b)fluoranthene	0.2 [10]	< 0.041	< 0.04	< 0.039	< 0.041	< 0.02	< 0.042	< 0.042	< 0.04	< 0.017	< 0.019	< 0.018	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018
Benzo(g,h,i)perylene	NS	< 0.033	< 0.032	< 0.032	< 0.033	< 0.014	< 0.034	< 0.034	< 0.032	< 0.012	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013
Benzo(k)fluoranthene	0.5	< 0.032	< 0.032	< 0.031	< 0.032	< 0.022	< 0.033	< 0.033	< 0.031	< 0.019	< 0.021	< 0.02	< 0.02	< 0.02	< 0.019	< 0.019	< 0.02
Chrysene	5	< 0.025	< 0.025	< 0.024	< 0.025	< 0.02	< 0.026	< 0.026	< 0.024	< 0.018	< 0.02	< 0.019	< 0.019	< 0.019	< 0.018	< 0.018	< 0.019
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.026	< 0.025	< 0.025	< 0.026	< 0.023	< 0.026	< 0.026	< 0.025	< 0.02	< 0.022	< 0.022	< 0.022	< 0.022	< 0.02	< 0.02	< 0.022
Fluoranthene	300	< 0.028	< 0.027	< 0.027	< 0.028	< 0.011	< 0.029	< 0.029	< 0.027	< 0.0096	< 0.011	< 0.01	< 0.01	< 0.01	< 0.0097	< 0.0096	< 0.01
Fluorene	300	< 0.031	< 0.03	< 0.03	< 0.031	< 0.023	< 0.032	< 0.032	< 0.03	< 0.02	< 0.022	< 0.021	< 0.021	< 0.021	< 0.02	< 0.02	< 0.021
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.011	< 0.011	< 0.011	< 0.012	< 0.012	< 0.012	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.0099	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.033	< 0.033	< 0.032	< 0.034	< 0.017	< 0.034	< 0.034	< 0.032	< 0.014	< 0.016	< 0.015	< 0.016	< 0.016	< 0.015	< 0.014	< 0.016
Naphthalene	300	< 0.021	< 0.021	< 0.02	< 0.021	< 0.016	< 0.022	< 0.022	< 0.021	< 0.014	< 0.015	< 0.015	< 0.015	< 0.015	< 0.014	< 0.014	< 0.015
Pentachlorophenol	0.3 [1]	< 0.25	< 0.25	< 0.25	< 0.26	< 0.26	< 0.26	< 0.26	< 0.25	< 0.22	< 0.25	< 0.24	< 0.24	< 0.24	< 0.23	< 0.22	< 0.24
Phenanthrene	NS	< 0.041	< 0.041	< 0.04	< 0.041	< 0.02	< 0.042	< 0.042	< 0.04	< 0.017	< 0.019	< 0.018	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018
Pyrene	200	< 0.025	< 0.025	< 0.024	< 0.025	< 0.014	< 0.026	< 0.026	< 0.025	< 0.012	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013
PCBs																	
PCB 1016	0.5	< 0.22	< 0.21	< 0.63	< 0.63	< 0.21	< 0.56	< 0.57	< 0.56	< 2	< 0.21	< 0.19	< 0.19	< 0.19	< 0.2	< 0.19	< 0.19
PCB 1221	0.5	< 0.36	< 0.34	< 0.63	< 0.63	< 0.35	< 0.56	< 0.57	< 0.56	< 2	< 0.34	< 0.31	< 0.31	< 0.31	< 0.33	< 0.31	< 0.31
PCB 1232	0.5	< 0.24	< 0.23	< 0.63	< 0.63	< 0.23	< 0.56	< 0.57	< 0.56	< 2	< 0.23	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.21
PCB 1242	0.5	< 0.1	< 0.099	< 0.63	< 0.63	< 0.1	< 0.56	< 0.57	< 0.56	< 2	< 0.099	< 0.091	< 0.089	< 0.089	< 0.096	< 0.089	< 0.089
PCB 1248	0.5	< 0.3	< 0.28	< 0.63	< 0.63	< 0.29	< 0.56	< 0.57	< 0.56	< 2	< 0.28	< 0.26	< 0.25	< 0.25	< 0.27	< 0.25	< 0.25
PCB 1254	0.5	< 0.13	< 0.12	< 0.63	< 0.63	< 0.13	< 0.56	< 0.57	< 0.56	< 2	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11
PCB 1260	0.5	< 0.17	< 0.16	< 0.63	< 0.63	< 0.16	< 0.56	< 0.57	< 0.56	< 2	< 0.16	< 0.15	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total																	
Aluminum	200	65.6 B	< 26	< 26	104 B	**835**	**616**	**650**	30.3 B	< 26	< 26	< 26	< 26	< 26	< 26	73.3 B	185 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**17.8**	**6.2**	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	7.2 B	4.4 B	3.5 B	10.6 B	42.3 B	55.6 B	55.4 B	50.6 B	122 B	36.8 B	5.5 B	9.9 B	12.3 B	8.9 B	25.9 B	13 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.4 B	< 0.4	< 0.4	0.7 B	0.7 B	0.8 B	0.8 B	0.9 B	< 0.4	< 0.4
Cadmium	4	< 0.4	< 0.4	< 0.4	< 0.4	0.9 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1.9 B	0.7 B	**4.9**	1.5 B	1 B	0.8 B
Calcium	NS	4500 B	27400	30200	35100	53400	73900	81300	83000	166000	46300	8640	10400	11500	11100	65000	27000
Chromium	70	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	2.3 B	2.4 B	< 0.9	1.1 B	1.5 B	1.6 B	1.1 B	65.1	2.8 B	2.2 B	< 0.9
Cobalt	NS	< 0.4	< 0.4	< 0.4	0.4 B	< 0.4	0.9 B	1.1 B	0.6 B	0.6 B	< 0.4	< 0.4	< 0.4	0.7 B	< 0.4	1.2 B	< 0.4
Copper	1,300	< 1.6	< 1.6	< 1.6	2.8 B	3.7 B	4.2 B	5.9 B	4.5 B	5.7 B	3.4 B	1.7 B	< 1.6	2.6 B	2.9 B	2.1 B	1.9 B
Iron	300	174	252	**304**	**2450**	**3520**	**4160**	**4120**	**1390**	**930**	**1830**	**7060**	**4430**	**2610**	**2970**	**8700**	**1420**
Lead	5	< 1.7	< 1.7	< 1.7	2.3 B	< 1.7	3.7	2 B	< 1.7	< 1.7	< 1.7	3.4	< 1.7	3	1.8 B	< 1.7	< 1.7
Magnesium	NS	1770 B	4350 B	4520 B	4980 B	19800	25800	27200	26900	47900	13200	3310 B	4000 B	4350 B	4310 B	16700	6610
Manganese	50	14.5 B	7.4 B	35.2	**318**	**215**	**165**	**303**	**198**	**334**	**275**	**111**	44.8	**67.4**	30.7	**3670**	**320**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	0.072 B	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	0.9 B	< 0.6	< 0.6	0.7 B	2.2 B	3.1 B	2.9 B	1.3 B	< 4.1	0.9 B	1.1 B	< 0.6	34.2	2.7 B	1.3 B	< 0.6
Potassium	NS	467 B	798 B	853 B	1020 B	2830 B	2360 B	2340 B	2130 B	4480 B	1740 B	1170 B	1230 B	1240 B	1240 B	7650 B	50400
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	1.3 B	1.5 B	1.4 B	< 1	< 1	1.1 B	< 1	< 1	1.5 B	< 1	< 1	1.8 B	1.8 B	< 1	< 1
Sodium	50,000	1870 B	4910 B	5190 B	5290 B	**132000**	**121000**	**112000**	**109000**	**288000**	6600 B	5600 B	5730 B	5920 B	5910 B	11600	36600
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	1.9 B	< 1.5	1.8 B	< 1.5	< 1.5	< 1.5	1.9 B	1.5 B	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	4.5 B	3.5 B	4 B	< 0.9	< 0.9	1.6 B	2.1 B	1.9 B	1.4 B	1.4 B	< 0.9	< 0.9
Zinc	2000	**2240**	117	143	465	1110	**2970**	1520	680	**2060**	188	1530	501	**3770**	1110	7.4 B	6.4 B

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Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-1	RW-1	RW-1	RW-1	RW-2	RW-2	RW-2	RW-2	RW-2	RW-3	RW-4	RW-4	RW-4	RW-4	RW-5	RW-5A
Sample ID	**GWQS[1]**	**RW-1(10-30)**	**RW-1(58-78)**	**RW-1(97-117)**	**RW-1(126-146)**	**RW-2(20-50)**	**RW-2 (102-133)**	**RW-2 (162-192)**	**RW-2 (279-309)**	**RW-2(441-472)**	**RW-3(62-98)**	**RW-4(56-77)**	**RW-4(108-128)**	**RW-4(328-349)**	**RW-4(388-408)**	**RW-5(070709)**	**RW-5A(070709)**
Sample Date		**7/17/2009**	**7/17/2009**	**7/17/2009**	**7/17/2009**	**7/10/2009**	**7/13/2009**	**7/13/2009**	**7/13/2009**	**7/14/2009**	**7/6/2009**	**6/30/2009**	**6/30/2009**	**7/2/2009**	**7/2/2009**	**7/7/2009**	**7/7/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																	
Aluminum	200	< 26	< 26	< 26	< 26	141 B	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	68.4 B	26.4 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	**16.5**	4 B	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	11.6 B	9.4 B	3.1 B	9 B	41.3 B	50.6 B	49.9 B	49.4 B	119 B	32.4 B	4.6 B	8.1 B	11.5 B	8.5 B	22.2 B	8.2 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.7 B	0.6 B	0.7 B	0.7 B	0.8 B	< 0.4	< 0.4
Cadmium	4	< 0.4	< 0.4	< 0.4	< 0.4	0.7 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1.8 B	0.5 B	**4.8**	1.4 B	0.9 B	0.9 B
Calcium	NS	4400 B	24400	26600	29400	54800	71500	78500	83800	165000	45500	8850	9800	11300	10700	62600	23700
Chromium	70	1.1 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.3 B	1.6 B	< 0.9	1.4 B	1.9 B	1.9 B	< 0.9	< 0.9	< 0.9
Cobalt	NS	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.4 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1.1 B	< 0.4
Copper	1,300	< 1.6	< 1.6	< 1.6	< 1.6	3.1 B	< 1.6	< 1.6	2 B	2.6 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Iron	300	33.4 B	31 B	151	248	244	154	< 42	98.3 B	< 42	86.1 B	99.4 B	72.9 B	57.1 B	41.3 B	**2240**	106
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	1760 B	4020 B	4160 B	4280 B	19600	24200	25600	27100	47500	12900	3410 B	3770 B	4260 B	4160 B	16500	6060
Manganese	50	12.7 B	7.2 B	31.2	**265**	**280**	**125**	**160**	**108**	**226**	**266**	**82.5**	28.1	**56.5**	24.9	**3520**	**244**
Mercury	2	< 0.049	0.079 B	< 0.049	0.054 B	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	0.6 B	< 0.6	< 0.6	< 0.6	1.2 B	< 4.1	< 4.1	< 4.1	4.5 B	0.7 B	0.7 B	0.6 B	2.7 B	2.1 B	1.1 B	< 0.6
Potassium	NS	501 B	780 B	821 B	948 B	2780 B	2110 B	2100 B	2130 B	4440 B	1710 B	1210 B	1180 B	1230 B	1180 B	7540 B	51500
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	1.3 B	1.2 B	1.2 B	1.1 B	< 1	< 1	1.1 B	< 1	1.3 B	< 1	1.1 B	1.6 B	1.7 B	< 1	< 1
Sodium	50,000	1890 B	4740 B	4970 B	4860 B	**135000**	**118000**	**109000**	**110000**	**283000**	6480 B	5860 B	5550 B	5800 B	5710 B	11300	37200
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	1.9 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	1980	96.6	110	64.2	855	**2700**	1510	672	1930	150	1400	418	**3620**	1040	< 3.5	4.1 B
Other																	
Alkalinity, total (as CaCO3)	NS	14600	75700	83900	106000	88000	114000	127000	131000	153000	172000	44900	46000	50700	44300	271000	228000
Chloride	250000	< 2000	3600	4000	4400	**279000**	**303000**	**295000**	**298000**	**828000**	11300	< 2000	< 2000	< 2000	< 2000	2000	< 2000
Sulfate	250000	< 10000	20200	20200	12200	24000	24100	23600	23700	35100	11200	11600	16500	16100	16000	22100	18800

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6A	RW-7	RW-8	RW-8	RW-8	RW-9	RW-9	RW-9	RW-9	RW-10	RW-10	RW-10	RW-10	RW-10	SC-01
Sample ID	**GWQS[1]**	**RW-6(070909)**	**RW-6A(070909)**	**RW-7(070709)**	**RW-8(42-62)**	**RW-8(158-178)**	**RW-8(199-219)**	**RW-9(20-40)**	**RW-9(80-100)**	**RW-9(134-154)**	**RW-9(201-221)**	**RW-10(22-42)**	**RW-10(46-66)**	**RW-10(70-90)**	**RW-10(115-135)**	**RW-10(180-200)**	**SC-1(070909)**
Sample Date		**7/9/2009**	**7/9/2009**	**7/7/2009**	**7/7/2009**	**7/7/2009**	**7/7/2009**	**7/15/2009**	**7/15/2009**	**7/16/2009**	**7/16/2009**	**7/8/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOC																	
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	0.76 J	0.94 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	**2**	**1.3**	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	0.94 J
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	6.4	1.3	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	0.64 J
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	2
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	1.6 J	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	1.4 J
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	1.8 J
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	3.2
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.66 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.51 J
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	2.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	26
Xylenes	1,000	< 0.25	2.5	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	29.1
Total TIC, Volatile	NS	0	7.6 J	0	0	0	0	0	0	0	0	0	0	0	0	0	30.3 J

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6A	RW-7	RW-8	RW-8	RW-8	RW-9	RW-9	RW-9	RW-9	RW-10	RW-10	RW-10	RW-10	RW-10	SC-01
Sample ID	GWQS[1]	RW-6(070909)	RW-6A(070909)	RW-7(070709)	RW-8(42-62)	RW-8(158-178)	RW-8(199-219)	RW-9(20-40)	RW-9(80-100)	RW-9(134-154)	RW-9(201-221)	RW-10(22-42)	RW-10(46-66)	RW-10(70-90)	RW-10(115-135)	RW-10(180-200)	SC-1(070909)
Sample Date		7/9/2009	7/9/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/8/2009	7/9/2009	7/9/2009	7/9/2009	7/9/2009	7/9/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																	
1,1'-Biphenyl	400	< 0.42	< 0.47	< 0.43	< 0.43	< 0.47	< 0.49	< 0.47	< 0.45	< 0.47	< 0.53	< 0.45	< 0.45	< 0.47	< 0.5	< 0.47	< 0.42
2,4,5-Trichlorophenol	700	< 1.3	< 1.5	< 1.4	< 1.3	< 1.5	< 1.5	< 1.5	< 1.4	< 1.5	< 1.7	< 1.4	< 1.4	< 1.5	< 1.6	< 1.5	< 1.3
2,4,6-Trichlorophenol	20	< 1.2	< 1.4	< 1.3	< 1.2	< 1.4	< 1.4	< 1.4	< 1.3	< 1.4	< 1.5	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.2
2,4-Dichlorophenol	20	< 1.2	< 1.4	< 1.3	< 1.2	< 1.4	< 1.4	< 1.4	< 1.3	< 1.4	< 1.5	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.2
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.7	< 1.7	< 1.8	< 1.9	< 1.8	< 1.8	< 1.8	< 2.1	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.7
2,4-Dinitrophenol	40	< 0.74	< 0.82	< 0.76	< 0.75	< 0.82	< 0.86	< 0.82	< 0.79	< 0.82	< 0.92	< 0.79	< 0.79	< 0.82	< 0.87	< 0.82	< 0.74
2,4-Dinitrotoluene	NS	< 0.22	< 0.24	< 0.23	< 0.22	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	< 0.28	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24	< 0.22
2,6-Dinitrotoluene	NS	< 0.33	< 0.36	< 0.34	< 0.33	< 0.36	< 0.38	< 0.36	< 0.35	< 0.36	< 0.41	< 0.35	< 0.35	< 0.36	< 0.38	< 0.36	< 0.33
2-Chloronaphthalene	600	< 0.42	< 0.46	< 0.43	< 0.42	< 0.46	< 0.48	< 0.46	< 0.45	< 0.46	< 0.52	< 0.45	< 0.45	< 0.46	< 0.49	< 0.46	< 0.42
2-Chlorophenol	40	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.1
2-Methylnaphthalene	NS	< 0.66	< 0.73	< 0.68	< 0.67	< 0.73	< 0.77	< 0.73	< 0.71	< 0.73	< 0.82	< 0.71	< 0.71	< 0.73	< 0.77	< 0.73	< 0.66
2-Methylphenol	NS	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.1
2-Nitroaniline	NS	< 0.24	< 0.26	< 0.24	< 0.24	< 0.26	< 0.27	< 0.26	< 0.25	< 0.26	< 0.29	< 0.25	< 0.25	< 0.26	< 0.28	< 0.26	< 0.24
2-Nitrophenol	NS	< 1.2	< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.3	< 1.4	< 1.6	< 1.3	< 1.3	< 1.4	< 1.5	< 1.4	< 1.2
3&4-Methylphenol	NS	< 1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.3	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1
3,3'-Dichlorobenzidine	30	< 0.3	< 0.33	< 0.3	< 0.3	< 0.33	< 0.34	< 0.33	< 0.32	< 0.33	< 0.37	< 0.32	< 0.32	< 0.33	< 0.35	< 0.33	< 0.3
3-Nitroaniline	NS	< 0.29	< 0.32	< 0.3	< 0.29	< 0.32	< 0.33	< 0.32	< 0.31	< 0.32	< 0.36	< 0.31	< 0.31	< 0.32	< 0.34	< 0.32	< 0.29
4,6-Dinitro-2-methylphenol	NS	< 0.51	< 0.57	< 0.53	< 0.52	< 0.57	< 0.6	< 0.57	< 0.55	< 0.57	< 0.64	< 0.55	< 0.55	< 0.57	< 0.6	< 0.57	< 0.51
4-Bromophenyl phenyl ether	NS	< 0.35	< 0.39	< 0.36	< 0.36	< 0.39	< 0.41	< 0.39	< 0.38	< 0.39	< 0.44	< 0.38	< 0.38	< 0.39	< 0.41	< 0.39	< 0.35
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.3	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1
4-Chloroaniline	30	< 0.25	< 0.28	< 0.26	< 0.26	< 0.28	< 0.29	< 0.28	< 0.27	< 0.28	< 0.32	< 0.27	< 0.27	< 0.28	< 0.3	< 0.28	< 0.25
4-Chlorophenyl phenyl ether	NS	< 0.35	< 0.39	< 0.36	< 0.36	< 0.39	< 0.41	< 0.39	< 0.38	< 0.39	< 0.44	< 0.38	< 0.38	< 0.39	< 0.42	< 0.39	< 0.35
4-Nitroaniline	NS	< 0.18	< 0.2	< 0.18	< 0.18	< 0.2	< 0.21	< 0.2	< 0.19	< 0.2	< 0.22	< 0.19	< 0.19	< 0.2	< 0.21	< 0.2	< 0.18
4-Nitrophenol	NS	< 0.83	< 0.92	< 0.85	< 0.84	< 0.92	< 0.96	< 0.92	< 0.89	< 0.92	< 1	< 0.89	< 0.89	< 0.92	< 0.97	< 0.92	< 0.83
Acetophenone	700	< 0.4	< 0.44	< 0.41	< 0.41	< 0.44	< 0.46	< 0.44	< 0.43	< 0.44	< 0.5	< 0.43	< 0.43	< 0.44	< 0.47	< 0.44	< 0.4
Atrazine	3	< 0.39	< 0.43	< 0.4	< 0.4	< 0.43	< 0.45	< 0.43	< 0.42	< 0.43	< 0.49	< 0.42	< 0.42	< 0.43	< 0.46	< 0.43	< 0.39
Benzaldehyde	NS	< 0.4	< 0.45	< 0.42	< 0.41	< 0.45	< 0.47	< 0.45	< 0.43	< 0.45	< 0.51	< 0.43	< 0.43	< 0.45	< 0.48	< 0.45	< 0.4
Benzyl butyl phthalate	100	< 0.25	< 0.28	< 0.26	< 0.26	< 0.28	< 0.29	< 0.28	< 0.27	< 0.28	< 0.31	< 0.27	< 0.27	< 0.28	< 0.3	< 0.28	< 0.25
bis(2-Chloroethoxy)methane	NS	< 0.25	< 0.28	< 0.26	< 0.25	< 0.28	< 0.29	< 0.28	< 0.27	< 0.28	< 0.31	< 0.27	< 0.27	< 0.28	< 0.29	< 0.28	< 0.25
bis(2-Chloroethyl)ether	7	< 0.31	< 0.34	< 0.32	< 0.32	< 0.34	< 0.36	< 0.34	< 0.33	< 0.34	< 0.39	< 0.33	< 0.33	< 0.34	< 0.36	< 0.34	< 0.31
bis(2-Chloroisopropyl)ether	300	< 0.39	< 0.43	< 0.4	< 0.4	< 0.43	< 0.45	< 0.43	< 0.42	< 0.43	< 0.49	< 0.42	< 0.42	< 0.43	< 0.46	< 0.43	< 0.39
bis(2-Ethylhexyl)phthalate	3	1.5 JB	< 0.36	< 0.34	< 0.33	< 0.36	< 0.38	< 0.36	< 0.35	2.5	2.9	< 0.35	< 0.35	< 0.36	< 0.38	< 0.36	< 0.33
Caprolactam	NS	< 0.2	< 0.22	< 0.2	< 0.2	< 0.22	< 0.23	< 0.22	< 0.21	< 0.22	< 0.24	< 0.21	< 0.21	< 0.22	< 0.23	< 0.22	< 0.2
Carbazole	NS	< 0.17	< 0.18	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.21	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.17
Dibenzofuran	NS	< 0.3	< 0.34	< 0.31	< 0.31	< 0.34	< 0.35	< 0.34	< 0.33	< 0.34	< 0.38	< 0.33	< 0.33	< 0.34	< 0.36	< 0.34	< 0.3
Diethyl phthalate	6000	< 0.17	< 0.18	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.21	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.17
Dimethyl phthalate	NS	< 0.23	< 0.25	< 0.23	< 0.23	< 0.25	< 0.26	< 0.25	< 0.24	< 0.25	< 0.28	< 0.24	< 0.24	< 0.25	< 0.26	< 0.25	< 0.23
di-n-butyl phthalate	700	< 0.19	< 0.21	< 0.2	< 0.19	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.24	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.19
di-n-octylphthalate	100	< 0.4	< 0.44	< 0.41	< 0.4	< 0.44	< 0.46	< 0.44	< 0.42	< 0.44	< 0.49	< 0.42	< 0.42	< 0.44	< 0.46	< 0.44	< 0.4
Hexachlorobutadiene	1	< 0.37	< 0.41	< 0.38	< 0.38	< 0.41	< 0.43	< 0.41	< 0.4	< 0.41	< 0.47	< 0.4	< 0.4	< 0.41	< 0.44	< 0.41	< 0.37
Hexachlorocyclopentadiene	40	< 0.67	< 0.75	< 0.69	< 0.69	< 0.75	< 0.78	< 0.75	< 0.72	< 0.75	< 0.84	< 0.72	< 0.72	< 0.75	< 0.79	< 0.75	< 0.67
Hexachloroethane	7	< 0.26	< 0.29	< 0.27	< 0.27	< 0.29	< 0.31	< 0.29	< 0.28	< 0.29	< 0.33	< 0.28	< 0.28	< 0.29	< 0.31	< 0.29	< 0.26
Isophrone	40	< 0.25	< 0.28	< 0.26	< 0.25	< 0.28	< 0.29	< 0.28	< 0.27	< 0.28	< 0.31	< 0.27	< 0.27	< 0.28	< 0.29	< 0.28	< 0.25
Nitrobenzene	6	< 0.25	< 0.28	< 0.26	< 0.26	< 0.28	< 0.29	< 0.28	< 0.27	< 0.28	< 0.32	< 0.27	< 0.27	< 0.28	< 0.3	< 0.28	< 0.25
N-Nitroso-di-n-Propylamine	10	< 0.44	< 0.49	< 0.45	< 0.45	< 0.49	< 0.51	< 0.49	< 0.47	< 0.49	< 0.55	< 0.47	< 0.47	< 0.49	< 0.52	< 0.49	< 0.44
N-Nitrosodiphenylamine	10	0.4 J	< 0.24	< 0.22	< 0.22	< 0.24	< 0.25	< 0.24	< 0.23	< 0.24	< 0.27	< 0.23	< 0.23	< 0.24	< 0.25	< 0.24	< 0.22
Phenol	2000	< 0.58	< 0.64	< 0.59	< 0.59	< 0.64	< 0.67	< 0.64	< 0.62	< 0.64	< 0.72	< 0.62	< 0.62	< 0.64	< 0.68	< 0.64	< 0.58
Total TIC, Semi-Volatile	NS	12.6 J	33.6 J	0	100.6 J	13 J	23 J	5.5 J	0	0	0	38.8 J	0	36 J	27 J	21.5 J	20.7 J

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6A	RW-7	RW-8	RW-8	RW-8	RW-9	RW-9	RW-9	RW-9	RW-10	RW-10	RW-10	RW-10	RW-10	SC-01
Sample ID	GWQS[1]	RW-6(070909)	RW-6A(070909)	RW-7(070709)	RW-8(42-62)	RW-8(158-178)	RW-8(199-219)	RW-9(20-40)	RW-9(80-100)	RW-9(134-154)	RW-9(201-221)	RW-10(22-42)	RW-10(46-66)	RW-10(70-90)	RW-10(115-135)	RW-10(180-200)	SC-1(070909)
Sample Date		7/9/2009	7/9/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/15/2009	7/15/2009	7/16/2009	7/16/2009	7/8/2009	7/9/2009	7/9/2009	7/9/2009	7/9/2009	7/9/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM																	
Acenaphthene	400	< 0.016	< 0.02	< 0.016	< 0.016	< 0.018	< 0.019	< 0.032	< 0.03	< 0.032	< 0.036	< 0.017	< 0.018	< 0.018	< 0.019	< 0.018	< 0.016
Acenaphthylene	NS	< 0.007	< 0.0088	< 0.0072	< 0.0071	< 0.0078	< 0.0081	< 0.044	< 0.041	< 0.044	< 0.049	< 0.0075	< 0.0078	< 0.0078	< 0.0082	< 0.0078	< 0.007
Anthracene	2000	< 0.021	< 0.026	< 0.022	< 0.021	< 0.023	< 0.024	< 0.028	< 0.027	< 0.028	< 0.032	< 0.023	< 0.023	< 0.023	< 0.025	< 0.023	< 0.021
Benzo(a)anthracene	0.1 [0.2]	< 0.034	< 0.042	< 0.035	< 0.034	< 0.037	< 0.039	< 0.026	< 0.025	< 0.026	< 0.03	< 0.036	< 0.037	< 0.037	< 0.04	< 0.037	< 0.034
Benzo(a)pyrene	0.1 [0.2]	< 0.036	< 0.044	< 0.037	< 0.036	< 0.039	< 0.041	< 0.034	< 0.032	< 0.034	< 0.039	< 0.038	< 0.039	< 0.039	< 0.042	< 0.039	< 0.036
Benzo(b)fluoranthene	0.2 [10]	< 0.017	< 0.021	< 0.018	< 0.017	< 0.019	< 0.02	< 0.04	< 0.037	< 0.04	< 0.045	< 0.018	< 0.019	< 0.019	< 0.02	< 0.019	< 0.017
Benzo(g,h,i)perylene	NS	< 0.012	< 0.015	< 0.012	< 0.012	< 0.013	< 0.014	< 0.032	< 0.03	< 0.032	< 0.036	< 0.013	< 0.013	< 0.013	< 0.014	< 0.013	< 0.012
Benzo(k)fluoranthene	0.5	< 0.019	< 0.024	< 0.019	< 0.019	< 0.021	< 0.022	< 0.031	< 0.029	< 0.031	< 0.035	< 0.02	< 0.021	< 0.021	< 0.022	< 0.021	< 0.019
Chrysene	5	< 0.018	< 0.022	< 0.018	< 0.018	< 0.02	< 0.02	< 0.024	< 0.023	< 0.024	< 0.028	< 0.019	< 0.02	< 0.02	< 0.021	< 0.02	< 0.018
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.02	< 0.025	< 0.021	< 0.021	< 0.022	< 0.023	< 0.025	< 0.023	< 0.025	< 0.028	< 0.022	< 0.022	< 0.022	< 0.024	< 0.022	< 0.02
Fluoranthene	300	< 0.0096	< 0.012	< 0.0099	< 0.0098	< 0.011	< 0.011	< 0.027	< 0.025	< 0.027	< 0.03	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.0096
Fluorene	300	< 0.02	< 0.025	< 0.02	< 0.02	< 0.022	< 0.023	< 0.03	< 0.028	< 0.03	< 0.034	< 0.021	< 0.022	< 0.022	< 0.023	< 0.022	< 0.02
Hexachlorobenzene	0.02 [10]	< 0.0099	< 0.012	< 0.01	< 0.01	< 0.011	< 0.012	< 0.011	< 0.01	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.0099
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.014	< 0.018	< 0.015	< 0.015	< 0.016	< 0.017	< 0.032	< 0.03	< 0.032	< 0.037	< 0.015	< 0.016	< 0.016	< 0.017	< 0.016	< 0.014
Naphthalene	300	< 0.014	1.79	< 0.014	< 0.014	< 0.015	< 0.016	< 0.021	< 0.019	< 0.021	< 0.023	< 0.015	< 0.015	< 0.015	< 0.016	< 0.015	4.56
Pentachlorophenol	0.3 [1]	< 0.22	< 0.28	< 0.23	< 0.23	< 0.25	< 0.26	< 0.25	< 0.23	< 0.25	< 0.28	< 0.24	< 0.25	< 0.25	< 0.26	< 0.25	< 0.22
Phenanthrene	NS	< 0.017	< 0.021	< 0.018	< 0.017	< 0.019	< 0.02	< 0.04	< 0.038	< 0.04	< 0.045	< 0.018	< 0.019	< 0.019	< 0.02	< 0.019	< 0.017
Pyrene	200	< 0.012	< 0.015	< 0.012	< 0.012	< 0.013	< 0.014	< 0.025	< 0.023	< 0.025	< 0.028	< 0.013	< 0.013	< 0.013	< 0.014	< 0.013	< 0.012
PCBs																	
PCB 1016	0.5	< 0.19	< 0.22	< 0.19	< 0.19	< 0.24	< 0.24	< 0.52	< 0.51	< 0.2	< 0.24	< 0.2	< 0.22	< 0.22	< 0.22	< 0.21	< 0.19
PCB 1221	0.5	< 0.31	< 0.36	< 0.31	< 0.31	< 0.39	< 0.38	< 0.52	< 0.51	< 0.33	< 0.38	< 0.32	< 0.36	< 0.35	< 0.35	< 0.34	< 0.31
PCB 1232	0.5	< 0.21	< 0.24	< 0.21	< 0.21	< 0.26	< 0.26	< 0.52	< 0.51	< 0.22	< 0.26	< 0.22	< 0.24	< 0.24	< 0.24	< 0.23	< 0.21
PCB 1242	0.5	< 0.089	< 0.1	< 0.089	< 0.091	< 0.11	< 0.11	< 0.52	< 0.51	< 0.095	< 0.11	< 0.094	< 0.1	< 0.1	< 0.1	< 0.1	< 0.089
PCB 1248	0.5	< 0.25	< 0.3	< 0.25	< 0.26	< 0.32	< 0.32	< 0.52	< 0.51	< 0.27	< 0.32	< 0.27	< 0.3	< 0.29	< 0.29	< 0.29	< 0.25
PCB 1254	0.5	< 0.11	< 0.13	< 0.11	< 0.11	< 0.14	< 0.14	< 0.52	< 0.51	< 0.12	< 0.14	< 0.12	< 0.13	< 0.13	< 0.13	< 0.12	< 0.11
PCB 1260	0.5	< 0.14	< 0.17	< 0.14	< 0.15	< 0.18	< 0.18	< 0.52	< 0.51	< 0.15	< 0.18	< 0.15	< 0.17	< 0.16	< 0.16	< 0.16	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total																	
Aluminum	200	< 26	< 26	**4940**	36 B	116 B	107 B	< 26	< 26	110 B	50 B	104 B	36.9 B	37.5 B	**254**	**226**	90.6 B
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	**4.1**	2.7 B	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	272	19.6 B	6.7 B	11.3 B	15.3 B	20.9 B	3.2 B	2.7 B	7.7 B	5.6 B	7.7 B	7.4 B	7.2 B	8 B	8.8 B	194 B
Beryllium	1	0.8 B	0.9 B	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.4 B	0.4 B	0.5 B	0.5 B	< 0.4
Cadmium	4	< 0.4	< 0.4	2.3 B	2.8 B	1 B	1.1 B	< 0.4	< 0.4	< 0.4	< 0.4	0.9 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	66900	70100	13500	16600	63600	68100	26600	33000	51200	51200	21100	20400	20600	20800	56900	21300
Chromium	70	3.8 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.6 B	< 0.9	< 0.9	< 0.9	< 0.9	1 B	1.6 B	3.7 B
Cobalt	NS	6.1 B	9 B	< 0.4	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	0.4 B	< 0.4	< 0.4	0.4 B	0.4 B	0.6 B	1 B	1.8 B
Copper	1,300	2.2 B	2.8 B	11.9	2.5 B	< 1.6	1.8 B	5 B	< 1.6	< 1.6	< 1.6	2.1 B	< 1.6	< 1.6	2.4 B	< 1.6	3.4 B
Iron	300	**37600**	**10000**	**2130**	**1570**	**759**	**895**	143	**317**	**1330**	**888**	269	**1090**	**1620**	**1540**	**1410**	**33100**
Lead	5	< 1.7	< 1.7	**5.1**	**17.9**	**6**	2 B	2.8 B	< 1.7	**6.4**	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	**7.2**
Magnesium	NS	10200	17500	5560	4710 B	15700	29100	4080 B	4460 B	9990	10800	7940	7860	7880	8180	13100	2500 B
Manganese	50	**4860**	**10300**	**64.4**	**135**	**158**	**126**	15.3	10.4 B	**202**	**170**	11.8 B	12.7 B	16.9	21.4	**309**	**343**
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	2.9 B	2.7 B	0.6 B	1 B	< 0.6	< 0.6	0.6 B	< 0.6	1 B	0.6 B	0.6 B	1.2 B	1.4 B	1.1 B	1.6 B	4.7 B
Potassium	NS	8860 B	2780 B	1090 B	1750 B	2500 B	3690 B	1390 B	1470 B	3060 B	2490 B	1230 B	1300 B	1210 B	1290 B	3250 B	1720 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	5.5 B	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	1.8 B	2.7 B	< 1	< 1	< 1	< 1	1.1 B	< 1	1 B	1 B	< 1	< 1	1.1 B	1.1 B	1.1 B	< 1
Sodium	50,000	10700	7950 B	4250 B	5680 B	8710 B	26900	1990 B	1750 B	3120 B	3790 B	4770 B	4530 B	4510 B	4620 B	5930 B	2740 B
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	1 B	< 0.9	0.9 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.2 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	2.5 B
Zinc	2000	10.4 B	5.5 B	10.1 B	**9990**	1030	400	1100	701	1220	195	1020	**7170**	**5610**	**3300**	1270	116

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-6	RW-6A	RW-7	RW-8	RW-8	RW-8	RW-9	RW-9	RW-9	RW-9	RW-10	RW-10	RW-10	RW-10	RW-10	SC-01
Sample ID	**GWQS[1]**	**RW-6(070909)**	**RW-6A(070909)**	**RW-7(070709)**	**RW-8(42-62)**	**RW-8(158-178)**	**RW-8(199-219)**	**RW-9(20-40)**	**RW-9(80-100)**	**RW-9(134-154)**	**RW-9(201-221)**	**RW-10(22-42)**	**RW-10(46-66)**	**RW-10(70-90)**	**RW-10(115-135)**	**RW-10(180-200)**	**SC-1(070909)**
Sample Date		**7/9/2009**	**7/9/2009**	**7/7/2009**	**7/7/2009**	**7/7/2009**	**7/7/2009**	**7/15/2009**	**7/15/2009**	**7/16/2009**	**7/16/2009**	**7/8/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**	**7/9/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																	
Aluminum	200	< 26	< 26	33.9 B	< 26	59.7 B	67.2 B	< 26	< 26	< 26	< 26	26.8 B	< 26	< 26	< 26	< 26	< 26
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	237	15.6 B	1.4 B	10.9 B	14.9 B	19.6 B	3.2 B	2.9 B	7.5 B	5.2 B	7 B	6.8 B	7.2 B	7.3 B	10.2 B	184 B
Beryllium	1	0.6 B	0.7 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Cadmium	4	< 0.4	< 0.4	1.3 B	2.9 B	1.2 B	0.7 B	< 0.4	< 0.4	< 0.4	< 0.4	1 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	64600	68100	11000	16500	64300	66400	26700	34100	48600	46800	20500	20700	19900	21400	57200	21100
Chromium	70	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.1 B	< 0.9	< 0.9	2.7 B	< 0.9	2.3 B	3.2 B	0.9 B	1.1 B
Cobalt	NS	5.5 B	8.5 B	< 0.4	0.4 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.8 B	1.7 B
Copper	1,300	< 1.6	< 1.6	< 1.6	2.2 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	2.1 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Iron	300	**27800**	**2760**	< 42	**653**	122	46.8 B	< 12	42.5 B	140	131	85.3 B	202	**524**	293	**409**	**27300**
Lead	5	< 1.7	< 1.7	< 1.7	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	1.7 B
Magnesium	NS	9900	16900	3940 B	4720 B	15700	28400	4120 B	4610 B	9850	10300	7450	7970	7600	8250	12900	2450 B
Manganese	50	**4750**	**9960**	13 B	**137**	**158**	**121**	10.6 B	7.4 B	**119**	**135**	13.3 B	12.5 B	17.8	13.4 B	**307**	**344**
Mercury	2	< 0.049	< 0.049	0.056 B	< 0.049	< 0.049	< 0.049	< 0.049	0.15 B	< 0.049	0.071 B	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Nickel	100	2.1 B	2.9 B	0.6 B	0.8 B	< 0.6	< 0.6	0.6 B	1.7 B	0.6 B	0.6 B	2.4 B	0.9 B	1.2 B	1.1 B	1.4 B	4.5 B
Potassium	NS	8420 B	2590 B	1300 B	1760 B	2540 B	3930 B	1390 B	1500 B	3210 B	2530 B	1180 B	1240 B	1180 B	1240 B	3190 B	1690 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	5.6 B	4.5 B	< 3.7	< 3.7	< 3.7
Silver	40	1.9 B	2.6 B	< 1	< 1	< 1	< 1	1 B	< 1	< 1	< 1	< 1	1.1 B	< 1	1 B	1.3 B	< 1
Sodium	50,000	10400	7640 B	4610 B	5690 B	8860 B	26500	1990 B	1810 B	3120 B	3650 B	4570 B	4520 B	4680 B	4820 B	5980 B	2780 B
Thallium	2 [10]	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	66.6	7.7 B	7.3 B	**10100**	1010	248	1130	645	1000	139	1020	**7290**	**5480**	**3450**	1200	17.2 B
Other																	
Alkalinity, total (as CaCO3)	NS	279000	307000	41400	63500	192000	116000	90300	100000	173000	178000	38400	47200	44900	41400	161000	189000
Chloride	250000	3400	2100	< 2000	6100	42000	180000	< 2000	3300	2300	2300	2500	2500	2500	2500	3400	< 2000
Sulfate	250000	< 10000	< 10000	12500	14500	16800	17500	< 10000	< 10000	< 10000	< 10000	57100	59100	58700	59400	64600	< 10000

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		SC-02	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	SC-2(063009)	FB(063009)	PFB(070109)	FB(070209)	PFB(070609)	FB(070709)	PFB(070809)	FB(070909)	FB(071009)	PFB(071309)	PFB(071409)	PFB(071509)	PFB(071609)	PFB(071709)	TB(063009)	TB(070109)	TP(070209)	TB(070609)	TB(070709)
Sample Date		6/30/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/16/2009	7/17/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC																				
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		SC-02	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	SC-2(063009)	FB(063009)	PFB(070109)	FB(070209)	PFB(070609)	FB(070709)	PFB(070809)	FB(070909)	FB(071009)	PFB(071309)	PFB(071409)	PFB(071509)	PFB(071609)	PFB(071709)	TB(063009)	TB(070109)	TP(070209)	TB(070609)	TB(070709)
Sample Date		6/30/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/16/2009	7/17/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC																				
1,1'-Biphenyl	400	< 0.47	< 0.42	< 0.47	< 0.42	< 0.42	< 0.42	< 0.43	< 0.42	< 0.42	< 0.42	< 0.47	< 0.42	< 0.48	< 0.42	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 1.5	< 1.3	< 1.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.5	< 1.3	< 1.5	< 1.3	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.4	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.2	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.4	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.2	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.9	< 1.7	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 0.82	< 0.74	< 0.82	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.82	< 0.74	< 0.84	< 0.74	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.24	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.22	< 0.25	< 0.22	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.36	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.36	< 0.33	< 0.37	< 0.33	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.46	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.46	< 0.42	< 0.47	< 0.42	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.73	< 0.66	< 0.73	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.73	< 0.66	< 0.75	< 0.66	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.3	< 1.1	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.26	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24	< 0.27	< 0.24	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.4	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.4	< 1.2	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.2	< 1	< 1.2	< 1	< 1	< 1	< 1.1	< 1	< 1	< 1	< 1.2	< 1	< 1.2	< 1	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 0.33	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.33	< 0.3	< 0.34	< 0.3	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 0.32	< 0.29	< 0.32	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.32	< 0.29	< 0.33	< 0.29	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 0.57	< 0.51	< 0.57	< 0.51	< 0.51	< 0.51	< 0.52	< 0.51	< 0.51	< 0.51	< 0.57	< 0.51	< 0.58	< 0.51	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.39	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.39	< 0.35	< 0.4	< 0.35	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.26	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.29	< 0.25	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.39	< 0.35	< 0.39	< 0.35	< 0.35	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.39	< 0.35	< 0.4	< 0.35	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.2	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.2	< 0.18	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 0.92	< 0.83	< 0.92	< 0.83	< 0.83	< 0.83	< 0.84	< 0.83	< 0.83	< 0.83	< 0.92	< 0.83	< 0.94	< 0.83	NA	NA	NA	NA	NA
Acetophenone	700	< 0.44	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.44	< 0.4	< 0.45	< 0.4	NA	NA	NA	NA	NA
Atrazine	3	< 0.43	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.43	< 0.39	< 0.44	< 0.39	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 0.45	< 0.4	< 0.45	< 0.4	< 0.4	< 0.4	< 0.41	< 0.4	< 0.4	< 0.4	< 0.45	< 0.4	< 0.46	< 0.4	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.29	< 0.25	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.25	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.34	< 0.31	< 0.34	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.31	< 0.35	< 0.31	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.43	< 0.39	< 0.43	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.43	< 0.39	< 0.44	< 0.39	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.36	< 0.33	2.1 J	2.7	< 0.33	< 0.33	2.1	< 0.33	1.3 JB	< 0.33	1.4 J	< 0.33	< 0.37	< 0.33	NA	NA	NA	NA	NA
Caprolactam	NS	< 0.22	< 0.2	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	< 0.2	< 0.22	< 0.2	NA	NA	NA	NA	NA
Carbazole	NS	< 0.18	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.17	< 0.19	< 0.17	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.34	< 0.3	< 0.34	< 0.3	< 0.3	< 0.3	< 0.31	< 0.3	< 0.3	< 0.3	< 0.34	< 0.3	< 0.35	< 0.3	NA	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.18	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.17	< 0.19	< 0.17	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.25	< 0.23	< 0.25	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25	< 0.23	< 0.26	< 0.23	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.21	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.21	< 0.19	< 0.22	< 0.19	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.44	< 0.4	< 0.44	1.9 J	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.44	< 0.4	< 0.45	< 0.4	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.41	< 0.37	< 0.41	< 0.37	< 0.37	< 0.37	< 0.38	< 0.37	< 0.37	< 0.37	< 0.41	< 0.37	< 0.42	< 0.37	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.75	< 0.67	< 0.75	< 0.67	< 0.67	< 0.67	< 0.68	< 0.67	< 0.67	< 0.67	< 0.75	< 0.67	< 0.76	< 0.67	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.29	< 0.26	< 0.29	< 0.26	< 0.26	< 0.26	< 0.27	< 0.26	< 0.26	< 0.26	< 0.29	< 0.26	< 0.3	< 0.26	NA	NA	NA	NA	NA
Isophrone	40	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.28	< 0.25	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.28	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.26	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.29	< 0.25	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.49	< 0.44	< 0.49	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.49	< 0.44	< 0.5	< 0.44	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.24	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.22	< 0.24	< 0.22	NA	NA	NA	NA	NA
Phenol	2000	< 0.64	< 0.58	< 0.64	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.64	< 0.58	< 0.66	< 0.58	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	0	0	0	0	4.3 J	0	0	0	0	0	0	0	NA	NA	NA	NA	NA

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		SC-02	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	SC-2(063009)	FB(063009)	PFB(070109)	FB(070209)	PFB(070609)	FB(070709)	PFB(070809)	FB(070909)	FB(071009)	PFB(071309)	PFB(071409)	PFB(071509)	PFB(071609)	PFB(071709)	TB(063009)	TB(070109)	TP(070209)	TB(070609)	TB(070709)
Sample Date		6/30/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/16/2009	7/17/2009	6/30/2009	7/1/2009	7/2/2009	7/6/2009	7/7/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM																				
Acenaphthene	400	< 0.017	< 0.016	< 0.018	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.029	< 0.018	< 0.029	< 0.033	0.201	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.0076	< 0.007	< 0.0078	< 0.007	< 0.007	< 0.007	< 0.0071	< 0.007	< 0.007	< 0.039	< 0.0078	< 0.039	< 0.045	< 0.039	NA	NA	NA	NA	NA
Anthracene	2000	< 0.023	< 0.021	< 0.023	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.026	< 0.023	< 0.026	< 0.029	< 0.026	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.037	< 0.034	< 0.037	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.034	< 0.024	< 0.037	< 0.024	< 0.027	< 0.024	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.039	< 0.036	< 0.039	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.031	< 0.039	< 0.031	< 0.035	< 0.031	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.036	< 0.019	< 0.036	< 0.041	< 0.036	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.029	< 0.013	< 0.029	< 0.033	< 0.029	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.02	< 0.019	< 0.021	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.028	< 0.021	< 0.028	< 0.032	< 0.028	NA	NA	NA	NA	NA
Chrysene	5	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.018	< 0.022	< 0.02	< 0.022	< 0.025	< 0.022	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.022	< 0.02	< 0.022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.023	< 0.022	< 0.023	< 0.026	< 0.023	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.01	< 0.0096	< 0.011	< 0.0096	< 0.0096	< 0.0096	< 0.0097	< 0.0096	< 0.0096	< 0.024	< 0.011	< 0.024	< 0.028	< 0.024	NA	NA	NA	NA	NA
Fluorene	300	< 0.021	< 0.02	< 0.022	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.027	< 0.022	< 0.027	< 0.031	0.189	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.0099	< 0.011	< 0.0099	< 0.0099	< 0.0099	< 0.01	< 0.0099	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.011	< 0.0099	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.016	< 0.014	< 0.016	< 0.014	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014	< 0.029	< 0.016	< 0.029	< 0.033	< 0.029	NA	NA	NA	NA	NA
Naphthalene	300	< 0.015	< 0.014	< 0.015	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.019	< 0.015	< 0.019	< 0.021	0.18	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.24	< 0.22	< 0.25	< 0.22	< 0.22	< 0.22	< 0.23	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22	< 0.25	< 0.22	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.018	< 0.017	< 0.019	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.036	< 0.019	< 0.036	< 0.041	0.286	NA	NA	NA	NA	NA
Pyrene	200	< 0.013	< 0.012	< 0.013	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.022	< 0.013	< 0.022	< 0.025	< 0.022	NA	NA	NA	NA	NA
PCBs																				
PCB 1016	0.5	< 0.19	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19	< 0.22	< 0.19	< 0.19	< 0.56	< 0.54	< 0.52	< 0.2	< 0.19	NA	NA	NA	NA	NA
PCB 1221	0.5	< 0.31	< 0.31	< 0.34	< 0.31	< 0.31	< 0.31	< 0.36	< 0.31	< 0.31	< 0.56	< 0.54	< 0.52	< 0.33	< 0.31	NA	NA	NA	NA	NA
PCB 1232	0.5	< 0.21	< 0.21	< 0.23	< 0.21	< 0.21	< 0.21	< 0.24	< 0.21	< 0.21	< 0.56	< 0.54	< 0.52	< 0.22	< 0.21	NA	NA	NA	NA	NA
PCB 1242	0.5	< 0.091	< 0.089	< 0.099	< 0.089	< 0.089	< 0.089	< 0.1	< 0.089	< 0.089	< 0.56	< 0.54	< 0.52	< 0.095	< 0.089	NA	NA	NA	NA	NA
PCB 1248	0.5	< 0.26	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25	< 0.3	< 0.25	< 0.25	< 0.56	< 0.54	< 0.52	< 0.27	< 0.25	NA	NA	NA	NA	NA
PCB 1254	0.5	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.11	< 0.13	< 0.11	< 0.11	< 0.56	< 0.54	< 0.52	< 0.12	< 0.11	NA	NA	NA	NA	NA
PCB 1260	0.5	< 0.15	< 0.14	< 0.16	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.56	< 0.54	< 0.52	< 0.15	< 0.14	NA	NA	NA	NA	NA
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA	NA
Metals - Total																				
Aluminum	200	26.9 B	< 26	< 26	< 26	< 26	< 26	< 26	< 26	< 26	63.1 B	< 26	< 26	< 26	< 26	NA	NA	NA	NA	NA
Antimony	6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	NA	NA	NA	NA	NA
Barium	2000	38.8 B	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA	NA	NA	NA
Beryllium	1	0.6 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	NA	NA	NA	NA
Cadmium	4	0.4 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	NA	NA	NA	NA
Calcium	NS	61300	< 49	< 49	53.5 B	< 49	< 49	< 49	< 49	< 49	< 49	133 B	96.4 B	< 49	< 49	NA	NA	NA	NA	NA
Chromium	70	3.2 B	1.8 B	8.1 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA	NA	NA	NA	NA
Cobalt	NS	3.2 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	NA	NA	NA	NA
Copper	1,300	4.4 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 2	< 1.6	< 2	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	NA	NA	NA	NA	NA
Iron	300	**551**	24.6 B	34.3 B	17.5 B	< 12	< 42	61 B	< 12	< 12	< 12	< 42	60.3 B	< 12	< 12	NA	NA	NA	NA	NA
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	NA	NA	NA	NA
Magnesium	NS	14100	< 37	< 37	53.8 B	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	NA	NA	NA	NA	NA
Manganese	50	**227**	< 0.5	0.9 B	< 0.5	< 0.5	< 0.5	0.9 B	< 0.5	< 0.5	0.5 B	7.8 B	0.8 B	< 0.5	< 0.5	NA	NA	NA	NA	NA
Mercury	2	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	NA	NA	NA	NA	NA
Nickel	100	5 B	< 0.6	5.4 B	1.3 B	< 0.6	< 0.6	4.9 B	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	NA	NA	NA	NA	NA
Potassium	NS	3370 B	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 170	NA	NA	NA	NA	NA
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	4.9 B	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	NA	NA	NA	NA	NA
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA	NA	NA	NA	NA
Sodium	50,000	8410 B	34.7 B	< 19	76.7 B	75.9 B	< 19	40.1 B	< 19	23.3 B	97.3 B	145 B	24 B	< 19	< 19	NA	NA	NA	NA	NA
Thallium	2 [10]	1.5 B	< 1.5	1.9 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	NA	NA	NA	NA
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA	NA	NA	NA	NA
Zinc	2000	39.5	< 2.9	< 2.9	8.5 B	< 2.9	< 3.5	< 2.9	< 2.9	< 2.9	< 2.9	48.5	7.9 B	3 B	< 2.9	NA	NA	NA	NA	NA

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		SC-02	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	FB	TB	TB	TB	TB	TB
Sample ID	**GWQS[1]**	**SC-2(063009)**	**FB(063009)**	**PFB(070109)**	**FB(070209)**	**PFB(070609)**	**FB(070709)**	**PFB(070809)**	**FB(070909)**	**FB(071009)**	**PFB(071309)**	**PFB(071409)**	**PFB(071509)**	**PFB(071609)**	**PFB(071709)**	**TB(063009)**	**TB(070109)**	**TP(070209)**	**TB(070609)**	**TB(070709)**
Sample Date		**6/30/2009**	**6/30/2009**	**7/1/2009**	**7/2/2009**	**7/6/2009**	**7/7/2009**	**7/8/2009**	**7/9/2009**	**7/10/2009**	**7/13/2009**	**7/14/2009**	**7/15/2009**	**7/16/2009**	**7/17/2009**	**6/30/2009**	**7/1/2009**	**7/2/2009**	**7/6/2009**	**7/7/2009**
Validation Status		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved																				
Aluminum	200	< 26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	38.1 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	0.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	62100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	1.1 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	1.9 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	3.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	34.1 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	14300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	**183**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	3.8 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	3540 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	8960 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	1.9 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	37.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Alkalinity, total (as CaCO3)	NS	203000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA
Chloride	250000	18400	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	NA	NA	NA	NA	NA
Sulfate	250000	33500	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA	NA	NA

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	TB(070809)	TB-(070909)	TB 7.13.09	TB(7/14/2009)	TB (7/15/2009)	TRIP BLANK
Sample Date		7/8/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/17/2009
Validation Status		Final	Final	Final	Final	Final	Final
VOC							
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	TB(070809)	TB-(070909)	TB 7.13.09	TB(7/14/2009)	TB (7/15/2009)	TRIP BLANK
Sample Date		7/8/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/17/2009
Validation Status		Final	Final	Final	Final	Final	Final
SVOC							
1,1'-Biphenyl	400	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	NA	NA	NA	NA	NA	NA
Acetophenone	700	NA	NA	NA	NA	NA	NA
Atrazine	3	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	NA	NA	NA	NA	NA	NA
Caprolactam	NS	NA	NA	NA	NA	NA	NA
Carbazole	NS	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6000	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	NA	NA	NA	NA	NA	NA
Isophrone	40	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	NA	NA	NA	NA	NA	NA
Phenol	2000	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	NA	NA	NA	NA	NA	NA

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	TB(070809)	TB-(070909)	TB 7.13.09	TB(7/14/2009)	TB (7/15/2009)	TRIP BLANK
Sample Date		7/8/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/17/2009
Validation Status		Final	Final	Final	Final	Final	Final
SVOC BY SIM							
Acenaphthene	400	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	NA	NA	NA	NA	NA	NA
Anthracene	2000	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	NA	NA	NA	NA	NA	NA
Chrysene	5	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA	NA	NA	NA	NA	NA
Fluoranthene	300	NA	NA	NA	NA	NA	NA
Fluorene	300	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA	NA	NA	NA	NA	NA
Naphthalene	300	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	NA	NA	NA	NA	NA	NA
Pyrene	200	NA	NA	NA	NA	NA	NA
PCBs							
PCB 1016	0.5	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	NA	NA	NA	NA	NA	NA
Metals - Total							
Aluminum	200	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA

Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	TB(070809)	TB-(070909)	TB 7.13.09	TB(7/14/2009)	TB (7/15/2009)	TRIP BLANK
Sample Date		7/8/2009	7/10/2009	7/13/2009	7/14/2009	7/15/2009	7/17/2009
Validation Status		Final	Final	Final	Final	Final	Final
Metals - Dissolved							
Aluminum	200	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA
Other							
Alkalinity, total (as CaCO3)	NS	NA	NA	NA	NA	NA	NA
Chloride	250000	NA	NA	NA	NA	NA	NA
Sulfate	250000	NA	NA	NA	NA	NA	NA

Footnotes on page 25.

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Table 11: Summary of Groundwater Analytical Results, July 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Footnotes:

Results are presented in micrograms per liter (ug/L) unless otherwise noted.	
<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-19	OB-20A	OB-20B	OB-21	PM AIR SHAFT	PM AIR SHAFT	RW-5	RW-5A	RW-6	RW-6A	RW-7
Sample ID	GWQS[1]	OB-19(102709)	OB-20A(102809)	OB-20B(102809)	OB-21(102709)	PMAIR SHAFT-180	PMAIR SHAFT-230	RW-5(102709)	RW-5A(102809)	RW-6(102809)	RW-6A (102809)	RW-7(102709)
Sample Date		10/27/2009	10/28/2009	10/28/2009	10/27/2009	10/29/2009	10/29/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009	10/27/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC												
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	0.61 J	0.57 J	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.76 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	0.48 J	3.3	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	0.39 J	< 0.23	0.77 J	< 0.23	0.6 J	**31.2**	< 0.23	< 0.23	**1.5**	**2.4**	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3 J	< 0.3	< 0.3	< 0.3 J	< 0.3	< 0.3	< 0.3 J	< 0.3 J	< 0.3	< 0.3	< 0.3 J
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	0.49 J	6.8	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	1.4 J	< 0.37	1.2	< 0.37	0.39 J	21.3	7.4	< 0.37	4.3	1	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29 J	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	2 J	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	0.67 J	5.7	< 0.57	< 0.57	< 0.57	3	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	0.55 J	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	0.37 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.66 J	< 0.3	0.32 J	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	0.53 J	< 0.25	0.94 J	< 0.25	< 0.25	< 0.25	15.1	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	0.9 J	< 0.25	0.94 J	< 0.25	< 0.25	< 0.25	15.1	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	23.7 J	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-19	OB-20A	OB-20B	OB-21	PM AIR SHAFT	PM AIR SHAFT	RW-5	RW-5A	RW-6	RW-6A	RW-7
Sample ID	GWQS[1]	OB-19(102709)	OB-20A(102809)	OB-20B(102809)	OB-21(102709)	PMAIR SHAFT-180	PMAIR SHAFT-230	RW-5(102709)	RW-5A(102809)	RW-6(102809)	RW-6A (102809)	RW-7(102709)
Sample Date		10/27/2009	10/28/2009	10/28/2009	10/27/2009	10/29/2009	10/29/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009	10/27/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC												
1,1'-Biphenyl	400	< 0.44	< 0.46	< 0.46	< 0.44	< 0.47	< 0.45	< 0.46	< 0.46	< 0.42	< 0.45	< 0.45
2,4,5-Trichlorophenol	700	< 1.4	< 1.4	< 1.4	< 1.4	< 1.5	< 1.4	< 1.4	< 1.5	< 1.3	< 1.4	< 1.4
2,4,6-Trichlorophenol	20	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3
2,4-Dichlorophenol	20	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.8
2,4-Dinitrophenol	40	< 0.78 J	< 0.8	< 0.8	< 0.77 J	< 0.82	< 0.79	< 0.8 J	< 0.81	< 0.74	< 0.79	< 0.79 J
2,4-Dinitrotoluene	NS	< 0.23 J	< 0.24 J	< 0.24 J	< 0.23 J	< 0.24	< 0.24	< 0.24 J	< 0.24 J	< 0.22 J	< 0.24 J	< 0.24 J
2,6-Dinitrotoluene	NS	< 0.34	< 0.35	< 0.35	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.33	< 0.35	< 0.35
2-Chloronaphthalene	600	< 0.44	< 0.45	< 0.45	< 0.43	< 0.46	< 0.45	< 0.45	< 0.46	< 0.42	< 0.45	< 0.45
2-Chlorophenol	40	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2
2-Methylnaphthalene	NS	< 0.69	< 0.72	< 0.72	< 0.69	< 0.73	< 0.71	< 0.72	< 0.72	< 0.66	< 0.71	< 0.71
2-Methylphenol	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2
2-Nitroaniline	NS	< 0.25	< 0.26	< 0.26	< 0.24	< 0.26	< 0.25	< 0.26	< 0.26	< 0.24	< 0.25	< 0.25
2-Nitrophenol	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.4	< 1.2	< 1.3	< 1.3
3&4-Methylphenol	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1	< 1.1	< 1.1
3,3'-Dichlorobenzidine	30	< 0.31	< 0.32	< 0.32	< 0.31	< 0.33	< 0.32	< 0.32	< 0.32	< 0.3	< 0.32	< 0.32
3-Nitroaniline	NS	< 0.3	< 0.31	< 0.31	< 0.3	< 0.32	< 0.31	< 0.31	< 0.32	< 0.29	< 0.31	< 0.31
4,6-Dinitro-2-methylphenol	NS	< 0.54	< 0.56	< 0.56	< 0.53	< 0.57	< 0.55	< 0.56	< 0.56	< 0.51	< 0.55	< 0.55
4-Bromophenyl phenyl ether	NS	< 0.37	< 0.38	< 0.38	< 0.36	< 0.39	< 0.38	< 0.38	< 0.38	< 0.35	< 0.38	< 0.38
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
4-Chloroaniline	30	< 0.27	< 0.28	< 0.28	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.25	< 0.27	< 0.27
4-Chlorophenyl phenyl ether	NS	< 0.37	< 0.38	< 0.38	< 0.37	< 0.39	< 0.38	< 0.38	< 0.39	< 0.35	< 0.38	< 0.38
4-Nitroaniline	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.2	< 0.19	< 0.19	< 0.2	< 0.18	< 0.19	< 0.19
4-Nitrophenol	NS	< 0.87	< 0.9	< 0.9	< 0.86	< 0.92	< 0.89	< 0.9	< 0.91	< 0.83	< 0.89	< 0.89
Acetophenone	700	< 0.42	< 0.43	< 0.43	< 0.42	< 0.44	< 0.43	< 0.43	< 0.44	< 0.4	< 0.43	< 0.43
Atrazine	3	< 0.41 J	< 0.43	< 0.43	< 0.41 J	< 0.43	< 0.42	< 0.43 J	< 0.43	< 0.39	< 0.42	< 0.42 J
Benzaldehyde	NS	< 0.43	< 0.44	< 0.44	< 0.42	< 0.45	< 0.43	< 0.44	< 0.44	< 0.4	< 0.43	< 0.43
Benzyl butyl phthalate	100	< 0.26	< 0.27	< 0.27	< 0.26	< 0.28	< 0.27	< 0.27	< 0.28	< 0.25	< 0.27	< 0.27
bis(2-Chloroethoxy)methane	NS	< 0.26	< 0.27	< 0.27	< 0.26	< 0.28	< 0.27	< 0.27	< 0.27	< 0.25	< 0.27	< 0.27
bis(2-Chloroethyl)ether	7	< 0.33	< 0.34	< 0.34	< 0.32	< 0.34	< 0.33	< 0.34	< 0.34	< 0.31	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	300	< 0.41	< 0.42	< 0.42	< 0.41	< 0.43	< 0.42	< 0.42	< 0.43	< 0.39	< 0.42	< 0.42
bis(2-Ethylhexyl)phthalate	3	< 0.34	< 2.2 J	< 6.8 J	< 0.34	**3.4**	**3.5**	< 0.36	< 2.2 J	< 2 J	< 3.8 J	< 0.35
Caprolactam	NS	< 0.21	< 0.21	< 0.21	< 0.2	< 0.22	4.4	< 0.21	< 0.21	< 0.2	< 0.21	< 0.21
Carbazole	NS	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18
Dibenzofuran	NS	< 0.32	< 0.33	< 0.33	< 0.32	< 0.34	< 0.33	< 0.33	< 0.33	< 0.3	< 0.33	< 0.33
Diethyl phthalate	6000	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18
Dimethyl phthalate	NS	< 0.24	< 0.24	< 0.24	< 0.23	< 0.25	< 0.24	< 0.24	< 0.25	< 0.23	< 0.24	< 0.24
di-n-butyl phthalate	700	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.19	< 0.21	< 0.21
di-n-octylphthalate	100	< 0.42	< 0.43	< 0.43	< 0.41	< 0.44	< 0.42	< 0.43	< 0.43	< 0.4	< 0.42	< 0.42
Hexachlorobutadiene	1	< 0.39	< 0.4 J	< 0.4 J	< 0.39	< 0.41	< 0.4	< 0.4	< 0.41 J	< 0.37 J	< 0.4 J	< 0.4
Hexachlorocyclopentadiene	40	< 0.71	< 0.73	< 0.73	< 0.7	< 0.75	< 0.72	< 0.73	< 0.74	< 0.67	< 0.72	< 0.72
Hexachloroethane	7	< 0.28	< 0.29	< 0.29	< 0.27	< 0.29	< 0.28	< 0.29	< 0.29	< 0.26	< 0.28	< 0.28
Isophrone	40	< 0.26	< 0.27	< 0.27	< 0.26	< 0.28	< 0.27	< 0.27	< 0.27	< 0.25	< 0.27	< 0.27
Nitrobenzene	6	< 0.27	< 0.28	< 0.28	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.25	< 0.27	< 0.27
N-Nitroso-di-n-Propylamine	10	< 0.46	< 0.48	< 0.48	< 0.46	< 0.49	< 0.47	< 0.48	< 0.48	< 0.44	< 0.47	< 0.47
N-Nitrosodiphenylamine	10	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	1.2 J	< 0.23	< 0.24	< 0.22	< 0.23	< 0.23
Phenol	2000	< 0.61	< 0.63	< 0.63	< 0.6	< 0.64	< 0.62	< 0.63	< 0.63	< 0.58	< 0.62	< 0.62
Total TIC, Semi-Volatile	NS	0	0	0	0	0	175.5 J	0	0	4.2 J	43 J	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-19	OB-20A	OB-20B	OB-21	PM AIR SHAFT	PM AIR SHAFT	RW-5	RW-5A	RW-6	RW-6A	RW-7
Sample ID	GWQS[1]	OB-19(102709)	OB-20A(102809)	OB-20B(102809)	OB-21(102709)	PMAIR SHAFT-180	PMAIR SHAFT-230	RW-5(102709)	RW-5A(102809)	RW-6(102809)	RW-6A (102809)	RW-7(102709)
Sample Date		10/27/2009	10/28/2009	10/28/2009	10/27/2009	10/29/2009	10/29/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009	10/27/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM												
Acenaphthene	400	< 0.031	< 0.032	< 0.032	< 0.03	< 0.032	< 0.031	< 0.032	< 0.032	< 0.029	< 0.031	< 0.031
Acenaphthylene	NS	< 0.041	< 0.043	< 0.043	< 0.041	< 0.044	< 0.042	< 0.043	< 0.043	< 0.039	< 0.042	< 0.042
Anthracene	2000	< 0.027	< 0.028	< 0.028	< 0.027	< 0.028	< 0.028	< 0.028	< 0.028	< 0.026	< 0.028	< 0.028
Benzo(a)anthracene	0.1 [0.2]	< 0.025	< 0.026	< 0.026	< 0.025	< 0.026	< 0.025	< 0.026	< 0.026	< 0.024	< 0.025	< 0.025
Benzo(a)pyrene	0.1 [0.2]	< 0.032	< 0.033	< 0.033	< 0.032	< 0.034	< 0.033	< 0.033	< 0.034	< 0.031	< 0.033	< 0.033
Benzo(b)fluoranthene	0.2 [10]	< 0.038	< 0.039	< 0.039	< 0.037	< 0.04	< 0.038	< 0.039	< 0.039	< 0.036	< 0.038	< 0.038
Benzo(g,h,i)perylene	NS	< 0.03	< 0.031	< 0.031	< 0.03	< 0.032	< 0.031	< 0.031	< 0.032	< 0.029	< 0.031	< 0.031
Benzo(k)fluoranthene	0.5	< 0.03	< 0.031	< 0.031	< 0.029	< 0.031	< 0.03	< 0.031	< 0.031	< 0.028	< 0.03	< 0.03
Chrysene	5	< 0.023	< 0.024	< 0.024	< 0.023	< 0.024	< 0.024	< 0.024	< 0.024	< 0.022	< 0.024	< 0.024
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.024	< 0.024	< 0.024	< 0.023	< 0.025	< 0.024	< 0.024	< 0.025	< 0.023	< 0.024	< 0.024
Fluoranthene	300	< 0.026	< 0.026	< 0.026	< 0.025	< 0.027	< 0.026	< 0.026	< 0.027	< 0.024	< 0.026	< 0.026
Fluorene	300	< 0.028	< 0.029	< 0.029	< 0.028	< 0.03	< 0.029	< 0.029	< 0.03	< 0.027	< 0.029	< 0.029
Hexachlorobenzene	0.02 [10]	< 0.01	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.0099	< 0.011	< 0.011
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.031	< 0.032	< 0.032	< 0.03	< 0.032	< 0.031	< 0.032	< 0.032	< 0.029	< 0.031	< 0.031
Naphthalene	300	< 0.019	< 0.02	< 0.02	< 0.019	0.425	2.53	< 0.02	< 0.02	< 0.019	1.54	< 0.02
Pentachlorophenol	0.3 [1]	< 0.23	< 0.24 J	< 0.24 J	< 0.23	< 0.25	< 0.24	< 0.24	< 0.25 J	< 0.22 J	< 0.24 J	< 0.24
Phenanthrene	NS	< 0.038	< 0.039	< 0.039	< 0.038	< 0.04	< 0.039	< 0.039	< 0.04	< 0.036	< 0.039	< 0.039
Pyrene	200	< 0.023	< 0.024	< 0.024	< 0.023	< 0.025	< 0.024	< 0.024	< 0.024	< 0.022	< 0.024	< 0.024
PCBs												
PCB 1016	0.5	< 0.3	< 0.33	< 0.33	< 0.3	< 0.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.3	< 0.3
PCB 1221	0.5	< 0.41	< 0.45	< 0.46	< 0.41	< 0.41	< 0.46	< 0.46	< 0.45	< 0.46	< 0.41	< 0.41
PCB 1232	0.5	< 0.31	< 0.34	< 0.34	< 0.31	< 0.31	< 0.34	< 0.34	< 0.34	< 0.34	< 0.31	< 0.31
PCB 1242	0.5	< 0.27	< 0.29	< 0.3	< 0.27	< 0.27	< 0.3	< 0.3	< 0.29	< 0.3	< 0.27	< 0.27
PCB 1248	0.5	< 0.28	< 0.3	< 0.31	< 0.28	< 0.28	< 0.31	< 0.31	< 0.3	< 0.31	< 0.28	< 0.28
PCB 1254	0.5	< 0.18	< 0.2	< 0.2	< 0.18	< 0.18	< 0.2	< 0.2	< 0.2	< 0.2	< 0.18	< 0.18
PCB 1260	0.5	< 0.14	< 0.15	< 0.16	< 0.14	< 0.14	< 0.16	< 0.16	< 0.15	< 0.16	< 0.14	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0
Metals - Total												
Aluminum	200	114 J	158 B	27.4 B	**336 J**	28.4 BJ	52 BJ	135 J	**204**	< 26	< 26	**996 J**
Antimony	6	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	**3.5**	< 2.4	< 2.4	< 2.4
Barium	2000	109 B	160 B	50.5 B	7.2 B	31.1 B	643	32 B	26.2 B	316	19.3 B	3 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Cadmium	4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1.8 B	**11.8**	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	20400	33700	41200	12300	6460	114000	61200	26100	69000	67400	11700
Chromium	70	1.2 B	< 10	< 10	< 0.9	1 B	3.3 B	4.4 B	< 10	3.9 J	3.3 J	1.2 B
Cobalt	NS	< 1.6	< 1.6	17.8 B	< 1.6	< 1.6	< 1.6	34.7 B	< 1.6	2.8 B	7.8 B	< 1.6
Copper	1,300	< 1.6 J	< 1.6	< 1.6	< 1.6 J	2.5 B	< 1.6	58.6 J	2.4 B	< 1.6	2.4 B	72 J
Iron	300	**20500**	**30900 J**	**26100 J**	**380**	**2250**	**162000**	**9040**	**1290 J**	**37800 J**	**9810 J**	**887**
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	3530 B	3370 B	7160	4160 B	1490 B	12500	14600	6540	9670	14900	3980 B
Manganese	50	**394 J**	**964**	**6230**	18.1 J	**76.9**	**2730**	**3360 J**	**209**	**4920**	**10600**	11.4 J
Mercury	2	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082
Nickel	100	1.4 J	1.8 B	3.6 B	1.4 J	1.1 B	1.3 B	3.6 J	1.3 B	1.3 B	2 B	1.4 J
Potassium	NS	1370 B	2840 J	2200 J	1060 B	567 J	7790 BJ	6860 B	102000 J	7230 J	2190 J	860 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	< 1	1.2 B	< 1	< 1	< 1	< 1	< 1	1.3 B	2 B	< 1
Sodium	50,000	3500 B	3290 B	3930 B	3620 B	2340 J	31200 J	11300	**73300**	9640 B	7350 B	3690 B
Thallium	2 [10]	< 1.5	1.5 B	1.6 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	1.6 B	< 1.5
Vanadium	NS	1.8 B	< 0.9	< 0.9	< 0.9	< 0.9	6 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	10.3 B	18.4 B	9.7 B	4.3 B	54.5	69.8	108	3.4 B	4.9 B	3.3 B	14.6 B

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		OB-19	OB-20A	OB-20B	OB-21	PM AIR SHAFT	PM AIR SHAFT	RW-5	RW-5A	RW-6	RW-6A	RW-7
Sample ID	GWQS[1]	OB-19(102709)	OB-20A(102809)	OB-20B(102809)	OB-21(102709)	PMAIR SHAFT-180	PMAIR SHAFT-230	RW-5(102709)	RW-5A(102809)	RW-6(102809)	RW-6A (102809)	RW-7(102709)
Sample Date		10/27/2009	10/28/2009	10/28/2009	10/27/2009	10/29/2009	10/29/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009	10/27/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved												
Aluminum	200	< 26 J	< 26	43 B	< 26 J	< 26 J	< 26 J	< 26 J	57 B	< 26	< 26	< 26 J
Antimony	6	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	97.3 B	141 B	36.5 B	5.2 B	31 BJ	358 J	27.4 B	21.6 B	234	17.7 B	1.6 B
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Cadmium	4	< 0.4	< 0.4	0.4 B	< 0.4	< 0.4	< 3	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	20100	33900	39700	12100	6580	105000	68000	23400	66300	66400	12000
Chromium	70	< 0.9	< 10	< 10	< 0.9	< 0.9	< 0.9	1.1 B	< 0.9	< 10	3 J	< 0.9
Cobalt	NS	< 1.6	< 1.6	17.8 B	< 1.6	< 1.6	< 1.6	1.6 B	< 1.6	2.8 B	7.8 B	< 1.6
Copper	1,300	< 1.6 J	< 1.6	< 1.6	< 1.6 J	1.7 B	< 1.6	< 1.6 J	< 1.6	< 1.6	< 1.6	< 1.6 J
Iron	300	**12700**	**20600 J**	**1040 J**	15.2 B	180 J	**100000 J**	**1580**	**322 J**	**10500 J**	**5550 J**	37.5 B
Lead	5	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	3460 B	3360 B	7190	4020 B	1520 B	11700	16100	6410	9390	15100	3900 B
Manganese	50	**386 J**	**979**	**6530**	1.7 J	24	**2560**	**3680 J**	**141**	**4680**	**10400**	1.3 J
Mercury	2	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082
Nickel	100	1.6 J	1.9 B	4.4 B	1 J	< 10	< 10	3.4 J	0.7 B	2 B	2.5 B	< 10
Potassium	NS	1380 B	2780 B	2180 B	930 B	538 J	7280 BJ	7490 B	102000	7320 B	2240 B	876 B
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.3 B	< 1	< 1
Sodium	50,000	3600 B	3240 B	3920 B	3700 B	2410 J	29800 J	12700	**73600**	9670 B	7530 B	4010 B
Thallium	2 [10]	< 1.5	1.9 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 50	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	11.9 B	14.4 B	5.7 B	6.9 B	44	63.8	6.9 B	3 B	< 2.9	6.9 B	10.1 B
Other												
Alkalinity, total (as CaCO3)	NS	70900	98600	156000	42500	20700	489000	248000	333000	241000	265000	40900
Chloride	250000	< 2000	< 2000	< 2000	< 2000	< 2000	10900	2000	2100	3700	2000	< 2000
Sulfate	250000	< 10000	< 10000	< 10000	11700	< 10000	< 10000	24000	30600	< 10000	< 10000	13100

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-7	SC-01	FB	FB	FB	FB	FB	FB	FB	FB	FB	PFB	PFB
Sample ID	GWQS[1]	RW-7(102709) Dup	SC-1(102809)	FB(102009)	FB(102209)	FB(102309)	FB(102609)	FB(102809)	FB(102909)	FB(110209)	FB(110309)	FB(110409)	PFB(101909)	FBP(102109)
Sample Date		10/27/2009	10/28/2009	10/20/2009	10/22/2009	10/23/2009	10/26/2009	10/28/2009	10/29/2009	11/2/2009	11/3/2009	11/4/2009	10/19/2009	10/21/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC														
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	0.41 J	0.53 J	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	1.4	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	1.6 J	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	2 J	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	1.8	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	0.6 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	2.4	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	22.7 J	0	0	0	0	0	0	0	0	0	0	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-7	SC-01	FB	FB	FB	FB	FB	FB	FB	FB	FB	PFB	PFB
Sample ID	GWQS[1]	RW-7(102709) Dup	SC-1(102809)	FB(102009)	FB(102209)	FB(102309)	FB(102609)	FB(102809)	FB(102909)	FB(110209)	FB(110309)	FB(110409)	PFB(101909)	FBP(102109)
Sample Date		10/27/2009	10/28/2009	10/20/2009	10/22/2009	10/23/2009	10/26/2009	10/28/2009	10/29/2009	11/2/2009	11/3/2009	11/4/2009	10/19/2009	10/21/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC														
1,1'-Biphenyl	400	< 0.43	< 0.45	< 0.48	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.47	< 0.42	< 0.43	< 0.42
2,4,5-Trichlorophenol	700	< 1.3	< 1.4	< 1.5	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.5	< 1.3	< 1.3	< 1.3
2,4,6-Trichlorophenol	20	< 1.2	< 1.3	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2
2,4-Dichlorophenol	20	< 1.2	< 1.3	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2
2,4-Dimethylphenol	100	< 1.7	< 1.8	< 1.9	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7
2,4-Dinitrophenol	40	< 0.75 J	< 0.79	< 0.85	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.82	< 0.74	< 0.75	< 0.74
2,4-Dinitrotoluene	NS	< 0.22 J	< 0.24 J	< 0.25	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22
2,6-Dinitrotoluene	NS	< 0.33	< 0.35	< 0.37	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.36	< 0.33	< 0.33	< 0.33
2-Chloronaphthalene	600	< 0.42	< 0.45	< 0.48	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.46	< 0.42	< 0.42	< 0.42
2-Chlorophenol	40	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
2-Methylnaphthalene	NS	< 0.67	< 0.71	< 0.76	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.73	< 0.66	< 0.67	< 0.66
2-Methylphenol	NS	< 1.1	< 1.2	< 1.3	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
2-Nitroaniline	NS	< 0.24	< 0.25	< 0.27	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24	< 0.24	< 0.24
2-Nitrophenol	NS	< 1.3	< 1.3	< 1.4	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.4	< 1.2	< 1.3	< 1.2
3&4-Methylphenol	NS	< 1.1	< 1.1	< 1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1.1	< 1
3,3'-Dichlorobenzidine	30	< 0.3	< 0.32	< 0.34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.33	< 0.3	< 0.3	< 0.3
3-Nitroaniline	NS	< 0.29	< 0.31	< 0.33	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.32	< 0.29	< 0.29	< 0.29
4,6-Dinitro-2-methylphenol	NS	< 0.52	< 0.55	< 0.59	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.51	< 0.57	< 0.51	< 0.52	< 0.51
4-Bromophenyl phenyl ether	NS	< 0.36	< 0.38	< 0.4	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.39	< 0.35	< 0.36	< 0.35
4-Chloro-3-Methylphenol	NS	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
4-Chloroaniline	30	< 0.26	< 0.27	< 0.29	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.26	< 0.25
4-Chlorophenyl phenyl ether	NS	< 0.36	< 0.38	< 0.41	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.39	< 0.35	< 0.36	< 0.35
4-Nitroaniline	NS	< 0.18	< 0.19	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
4-Nitrophenol	NS	< 0.84	< 0.89	< 0.95	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.92	< 0.83	< 0.84	< 0.83
Acetophenone	700	< 0.41	< 0.43	< 0.46	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.44	< 0.4	< 0.41	< 0.4
Atrazine	3	< 0.4 J	< 0.42	< 0.45	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.43	< 0.39	< 0.4	< 0.39
Benzaldehyde	NS	< 0.41	< 0.43	< 0.46	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.45	< 0.4	< 0.41	< 0.4
Benzyl butyl phthalate	100	< 0.26	< 0.27	< 0.29	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.26	< 0.25
bis(2-Chloroethoxy)methane	NS	< 0.25	< 0.27	< 0.29	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
bis(2-Chloroethyl)ether	7	< 0.32	< 0.33	< 0.36	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.34	< 0.31	< 0.32	< 0.31
bis(2-Chloroisopropyl)ether	300	< 0.4	< 0.42	< 0.45	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.43	< 0.39	< 0.4	< 0.39
bis(2-Ethylhexyl)phthalate	3	< 0.33	< 4.3 J	< 0.38	< 0.33	< 0.33	< 0.33	1.5 J	< 0.33	< 0.33	< 0.36	< 0.33	1.3 JB	< 0.33
Caprolactam	NS	< 0.2	< 0.21	< 0.22	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	< 0.2	< 0.2	< 0.2
Carbazole	NS	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17
Dibenzofuran	NS	< 0.31	< 0.33	< 0.35	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.34	< 0.3	< 0.31	< 0.3
Diethyl phthalate	6000	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	NS	< 0.23	< 0.24	< 0.26	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.25	< 0.23	< 0.23	< 0.23
di-n-butyl phthalate	700	< 0.19	< 0.21	< 0.22	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.21	< 0.19	< 0.19	< 0.19
di-n-octylphthalate	100	< 0.4	< 0.42	< 0.45	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.44	< 0.4	< 0.4	< 0.4
Hexachlorobutadiene	1	< 0.38	< 0.4 J	< 0.43	< 0.37	< 0.37	< 0.37 J	< 0.37	< 0.37	< 0.37	< 0.41	< 0.37	< 0.38	< 0.37
Hexachlorocyclopentadiene	40	< 0.69	< 0.72	< 0.77	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.75	< 0.67	< 0.69	< 0.67
Hexachloroethane	7	< 0.27	< 0.28	< 0.3	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.29	< 0.26	< 0.27	< 0.26
Isophrone	40	< 0.25	< 0.27	< 0.29	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.25	< 0.25
Nitrobenzene	6	< 0.26	< 0.27	< 0.29	< 0.25 J	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.28	< 0.25	< 0.26	< 0.25
N-Nitroso-di-n-Propylamine	10	< 0.45	< 0.47	< 0.5	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.49	< 0.44	< 0.45	< 0.44
N-Nitrosodiphenylamine	10	< 0.22	< 0.23	< 0.25	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.24	< 0.22	< 0.22	< 0.22
Phenol	2000	< 0.59	< 0.62	< 0.66	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.64	< 0.58	< 0.59	< 0.58
Total TIC, Semi-Volatile	NS	0	0	72.4 J	0	12 J	0	0	0	0	13.4 J	0	0	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-7	SC-01	FB	FB	FB	FB	FB	FB	FB	FB	FB	PFB	PFB
Sample ID	GWQS[1]	RW-7(102709) Dup	SC-1(102809)	FB(102009)	FB(102209)	FB(102309)	FB(102609)	FB(102809)	FB(102909)	FB(110209)	FB(110309)	FB(110409)	PFB(101909)	FBP(102109)
Sample Date		10/27/2009	10/28/2009	10/20/2009	10/22/2009	10/23/2009	10/26/2009	10/28/2009	10/29/2009	11/2/2009	11/3/2009	11/4/2009	10/19/2009	10/21/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM														
Acenaphthene	400	< 0.03	< 0.031	< 0.033	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.032	< 0.029	< 0.03	< 0.029
Acenaphthylene	NS	< 0.04	< 0.042	< 0.045	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.039	< 0.044	< 0.039	< 0.04	< 0.039
Anthracene	2000	< 0.026	< 0.028	< 0.029	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.028	< 0.026	< 0.026	< 0.026
Benzo(a)anthracene	0.1 [0.2]	< 0.024	< 0.025	< 0.027	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.026	< 0.024	< 0.024	< 0.024
Benzo(a)pyrene	0.1 [0.2]	< 0.031	< 0.033	< 0.035	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.034	< 0.031	< 0.031	< 0.031
Benzo(b)fluoranthene	0.2 [10]	< 0.037	< 0.038	< 0.041	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.04	< 0.036	< 0.037	< 0.036
Benzo(g,h,i)perylene	NS	< 0.029	< 0.031	< 0.033	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.032	< 0.029	< 0.029	< 0.029
Benzo(k)fluoranthene	0.5	< 0.029	< 0.03	< 0.032	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.031	< 0.028	< 0.029	< 0.028
Chrysene	5	< 0.022	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.024	< 0.022	< 0.022	< 0.022
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.023	< 0.024	< 0.026	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.025	< 0.023	< 0.023	< 0.023
Fluoranthene	300	< 0.025	< 0.026	< 0.028	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.027	< 0.024	< 0.025	< 0.024
Fluorene	300	< 0.027	< 0.029	< 0.031	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.03	< 0.027	< 0.027	< 0.027
Hexachlorobenzene	0.02 [10]	< 0.01	< 0.011	< 0.011	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.0099	< 0.011	< 0.0099	< 0.01	< 0.0099
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.03	< 0.031	< 0.034	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.032	< 0.029	< 0.03	< 0.029
Naphthalene	300	< 0.019	2.58	< 0.021	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.021	< 0.019	< 0.019	< 0.019
Pentachlorophenol	0.3 [1]	< 0.23	< 0.24 J	< 0.26	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22	< 0.23	< 0.22
Phenanthrene	NS	< 0.037	< 0.039	< 0.041	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.04	< 0.036	< 0.037	< 0.036
Pyrene	200	< 0.023	< 0.024	< 0.025	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.025	< 0.022	< 0.023	< 0.022
PCBs														
PCB 1016	0.5	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.31
PCB 1221	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.42
PCB 1232	0.5	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.32
PCB 1242	0.5	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.28
PCB 1248	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.29
PCB 1254	0.5	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
PCB 1260	0.5	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Total PCBs	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total														
Aluminum	200	125 J	200	< 26	< 26	< 26	< 26	< 26	< 26 J	< 26	< 26	< 26	< 26	< 26
Antimony	6	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Arsenic	3 [8]	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Barium	2000	113 B	201	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Beryllium	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Cadmium	4	< 0.4	0.9 B	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium	NS	21000	20600	< 22	< 22	33.5 B	< 22	31.1 B	< 22	23.9 B	< 22	< 22	95.4 B	< 22
Chromium	70	1.3 B	6.2 J	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	2.1 B	< 0.9
Cobalt	NS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Copper	1,300	< 1.6 J	7.8 B	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
Iron	300	**21000**	**27100 J**	< 12	< 12	< 12	< 12	< 12	13 B	< 12	< 12	< 12	13.5 B	< 12
Lead	5	< 1.7	**9.9**	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Magnesium	NS	3670 B	2420 B	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37	< 37
Manganese	50	**401 J**	**311**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Mercury	2	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082	< 0.082 J
Nickel	100	1.4 J	11.7	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Potassium	NS	1470 B	1700 J	< 170	< 170	< 170	< 170	< 170	< 170 J	< 170 J	< 170	< 170	< 170	< 170
Selenium	40	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
Silver	40	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sodium	50,000	3660 B	2870 B	< 19	< 19	< 19	39.6 B	77.3 B	46.3 BJ	< 19	< 19	< 19	92.3 B	< 19
Thallium	2 [10]	1.5 B	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Vanadium	NS	1.7 B	1.7 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Zinc	2000	10.8 B	270	< 2.9	< 2.9	3 B	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		RW-7	SC-01	FB	FB	FB	FB	FB	FB	FB	FB	FB	PFB	PFB
Sample ID	GWQS[1]	RW-7(102709) Dup	SC-1(102809)	FB(102009)	FB(102209)	FB(102309)	FB(102609)	FB(102809)	FB(102909)	FB(110209)	FB(110309)	FB(110409)	PFB(101909)	FBP(102109)
Sample Date		10/27/2009	10/28/2009	10/20/2009	10/22/2009	10/23/2009	10/26/2009	10/28/2009	10/29/2009	11/2/2009	11/3/2009	11/4/2009	10/19/2009	10/21/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved														
Aluminum	200	< 26	< 26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 2.4	< 2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	101 B	180 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	20600	18800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	0.9 B	1.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**14400**	**19500 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	3560 B	2280 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	**396**	**309**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	0.091 B	< 0.082	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	1.5 J	6.3 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	1410 B	1570 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 3.7	< 3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	3660 B	2770 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 0.9	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	11 B	21.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other														
Alkalinity, total (as CaCO3)	NS	68100	66500	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000	< 5000
Chloride	250000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000
Sulfate	250000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		PFB	PFB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	PFB(102709)	PFB(103009)	TRIP BLANK (10/19/2009)	TB(102009)	TB(102109)	TB(102209)	TB(102609)	TB(102709)	TB(102809)	TRIP BLANK (10/30/2009)	TB(110209)
Sample Date		10/27/2009	10/30/2009	10/19/2009	10/20/2009	10/21/2009	10/23/2009	10/26/2009	10/27/2009	10/28/2009	10/30/2009	11/2/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOC												
1,1,1-Trichloroethane	30	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2-Trichloroethane	3	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	50	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,1-Dichloroethene	1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*	< 0.39*
1,2-Dichlorobenzene	600	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
1,2-Dichloroethane	2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichloropropane	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	600	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,4-Dichlorobenzene	75	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-Butanone (MEK)	300	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
2-Hexanone	NS	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
Acetone	6000	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Benzene	1	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromodichloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Bromoform	4	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromomethane	10	< 0.3 J	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3 J	< 0.3 J	< 0.3	< 0.3
Carbon disulfide	700	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74	< 0.74
Carbon tetrachloride	1	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Chlorobenzene	50	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
Chloroethane	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Chloromethane	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
cis-1,2-Dichloroethene	70	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Cyclohexane	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Dibromochloromethane	1	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dichlorodifluoromethane	1,000	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92	< 0.92
Ethylbenzene	700	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Freon 113	NS	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
Isopropylbenzene	700	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57	< 0.57
Methyl acetate	7000	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Methyl tert butyl ether	70	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Methylcyclohexane	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Methylene chloride	3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
o-Xylene	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Tetrachloroethene	1	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
Toluene	1000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Trans-1,2-dichloroethene	100	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichloroethene	1	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Trichlorofluoromethane	2000	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Vinyl Chloride	1	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Xylene, -m,p	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylenes	1,000	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Total TIC, Volatile	NS	0	0	0	0	0	0	0	0	0	0	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		PFB	PFB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	PFB(102709)	PFB(103009)	TRIP BLANK (10/19/2009)	TB(102009)	TB(102109)	TB(102209)	TB(102609)	TB(102709)	TB(102809)	TRIP BLANK (10/30/2009)	TB(110209)
Sample Date		10/27/2009	10/30/2009	10/19/2009	10/20/2009	10/21/2009	10/23/2009	10/26/2009	10/27/2009	10/28/2009	10/30/2009	11/2/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC												
1,1'-Biphenyl	400	< 0.46	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	700	< 1.5	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	20	< 1.3	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	20	< 1.3	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	100	< 1.8	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	40	< 0.81 J	< 0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	< 0.24 J	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	< 0.36	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	600	< 0.46	< 0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	40	< 1.2	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	< 0.72	< 0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NS	< 1.2	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NS	< 0.26	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NS	< 1.4	< 1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NS	< 1.1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	30	< 0.32	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NS	< 0.32	< 0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	< 0.56	< 0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	< 0.38	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NS	< 1.2	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	30	< 0.28	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	< 0.39	< 0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NS	< 0.2	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NS	< 0.91	< 0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	700	< 0.44	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	3	< 0.43 J	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NS	< 0.44	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl butyl phthalate	100	< 0.28	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	< 0.27	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	7	< 0.34	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	300	< 0.43	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	3	< 0.36	< 0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NS	< 0.21	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NS	< 0.18	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NS	< 0.33	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	6000	< 0.18	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	< 0.25	< 0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-butyl phthalate	700	< 0.21	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-n-octylphthalate	100	< 0.43	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	< 0.41	< 0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	40	< 0.74	< 0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	7	< 0.29	< 0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophrone	40	< 0.27	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	6	< 0.28	< 0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	10	< 0.48	< 0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	10	< 0.24	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	2000	< 0.63	< 0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	NS	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		PFB	PFB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	PFB(102709)	PFB(103009)	TRIP BLANK (10/19/2009)	TB(102009)	TB(102109)	TB(102209)	TB(102609)	TB(102709)	TB(102809)	TRIP BLANK (10/30/2009)	TB(110209)
Sample Date		10/27/2009	10/30/2009	10/19/2009	10/20/2009	10/21/2009	10/23/2009	10/26/2009	10/27/2009	10/28/2009	10/30/2009	11/2/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOC BY SIM												
Acenaphthene	400	< 0.032	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NS	< 0.043	< 0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	2000	< 0.028	< 0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.1 [0.2]	< 0.026	< 0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.1 [0.2]	< 0.034	< 0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.2 [10]	< 0.039	< 0.036	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NS	< 0.032	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.5	< 0.031	< 0.028	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	5	< 0.024	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	< 0.025	< 0.023	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	300	< 0.027	< 0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	300	< 0.03	< 0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.02 [10]	< 0.011	< 0.0099	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	< 0.032	< 0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	300	< 0.02	0.287	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.3 [1]	< 0.25	< 0.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NS	< 0.04	< 0.036	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	200	< 0.024	< 0.022	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs												
PCB 1016	0.5	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	0.5	< 0.41	< 0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	0.5	< 0.31	< 0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242	0.5	< 0.27	< 0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248	0.5	< 0.28	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254	0.5	< 0.18	< 0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260	0.5	< 0.14	< 0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.5	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - Total												
Aluminum	200	< 26	< 26 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	< 2.4	< 2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	< 0.4	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	27.5 B	< 22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	< 0.9	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	< 1.6	< 1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	< 12	< 12	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	< 1.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	< 37	< 37	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	< 0.082	< 0.082	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	< 0.6	< 0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	< 170	< 170 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	< 3.7	< 3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	< 1	< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	< 19	41.5 BJ	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	< 0.9	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	< 2.9	< 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		PFB	PFB	TB	TB	TB	TB	TB	TB	TB	TB	TB
Sample ID	GWQS[1]	PFB(102709)	PFB(103009)	TRIP BLANK (10/19/2009)	TB(102009)	TB(102109)	TB(102209)	TB(102609)	TB(102709)	TB(102809)	TRIP BLANK (10/30/2009)	TB(110209)
Sample Date		10/27/2009	10/30/2009	10/19/2009	10/20/2009	10/21/2009	10/23/2009	10/26/2009	10/27/2009	10/28/2009	10/30/2009	11/2/2009
Validation Status		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved												
Aluminum	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3 [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	2 [10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Alkalinity, total (as CaCO3)	NS	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250000	< 2000	< 2000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250000	< 10000	< 10000	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB
Sample ID	GWQS[1]	TRIP BLANK (11/4/2009)
Sample Date		11/4/2009
Validation Status		Final
VOC		
1,1,1-Trichloroethane	30	< 0.26
1,1,2,2-Tetrachloroethane	1	< 0.24
1,1,2-Trichloroethane	3	< 0.23
1,1-Dichloroethane	50	< 0.29
1,1-Dichloroethene	1	< 0.4
1,2,4-Trichlorobenzene	9	< 0.56
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	< 1.1*
1,2-Dibromoethane	0.03 [0.5]	< 0.39*
1,2-Dichlorobenzene	600	< 0.26
1,2-Dichloroethane	2	< 0.33
1,2-Dichloropropane	1	< 0.27
1,3-Dichlorobenzene	600	< 0.25
1,4-Dichlorobenzene	75	< 0.28
2-Butanone (MEK)	300	< 1.6
2-Hexanone	NS	< 1.4
4-methyl-2-pentanone (MIBK)	NS	< 0.86
Acetone	6000	< 2.9
Benzene	1	< 0.23
Bromodichloromethane	1	< 0.22
Bromoform	4	< 0.23
Bromomethane	10	< 0.3
Carbon disulfide	700	< 0.74
Carbon tetrachloride	1	< 0.26
Chlorobenzene	50	< 0.39
Chloroethane	NS	< 0.37
Chloroform	70	< 0.23
Chloromethane	NS	< 0.29
cis-1,2-Dichloroethene	70	< 0.22
cis-1,3-Dichloropropene	NS	< 0.25
Cyclohexane	NS	< 1.9
Dibromochloromethane	1	< 0.22
Dichlorodifluoromethane	1,000	< 0.92
Ethylbenzene	700	< 0.27
Freon 113	NS	< 0.38
Isopropylbenzene	700	< 0.57
Methyl acetate	7000	< 1.5
Methyl tert butyl ether	70	< 0.23
Methylcyclohexane	NS	< 0.35
Methylene chloride	3	< 0.3
o-Xylene	NS	< 0.25
Styrene	100	< 0.58
Tetrachloroethene	1	< 0.27
Toluene	1000	< 0.3
Trans-1,2-dichloroethene	100	< 0.25
trans-1,3-Dichloropropene	NS	< 0.21
Trichloroethene	1	< 0.24
Trichlorofluoromethane	2000	< 0.54
Vinyl Chloride	1	< 0.44
Xylene, -m,p	NS	< 0.25
Xylenes	1,000	< 0.25
Total TIC, Volatile	NS	0

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB
Sample ID	GWQS[1]	TRIP BLANK (11/4/2009)
Sample Date		11/4/2009
Validation Status		Final
SVOC		
1,1'-Biphenyl	400	NA
2,4,5-Trichlorophenol	700	NA
2,4,6-Trichlorophenol	20	NA
2,4-Dichlorophenol	20	NA
2,4-Dimethylphenol	100	NA
2,4-Dinitrophenol	40	NA
2,4-Dinitrotoluene	NS	NA
2,6-Dinitrotoluene	NS	NA
2-Chloronaphthalene	600	NA
2-Chlorophenol	40	NA
2-Methylnaphthalene	NS	NA
2-Methylphenol	NS	NA
2-Nitroaniline	NS	NA
2-Nitrophenol	NS	NA
3&4-Methylphenol	NS	NA
3,3'-Dichlorobenzidine	30	NA
3-Nitroaniline	NS	NA
4,6-Dinitro-2-methylphenol	NS	NA
4-Bromophenyl phenyl ether	NS	NA
4-Chloro-3-Methylphenol	NS	NA
4-Chloroaniline	30	NA
4-Chlorophenyl phenyl ether	NS	NA
4-Nitroaniline	NS	NA
4-Nitrophenol	NS	NA
Acetophenone	700	NA
Atrazine	3	NA
Benzaldehyde	NS	NA
Benzyl butyl phthalate	100	NA
bis(2-Chloroethoxy)methane	NS	NA
bis(2-Chloroethyl)ether	7	NA
bis(2-Chloroisopropyl)ether	300	NA
bis(2-Ethylhexyl)phthalate	3	NA
Caprolactam	NS	NA
Carbazole	NS	NA
Dibenzofuran	NS	NA
Diethyl phthalate	6000	NA
Dimethyl phthalate	NS	NA
di-n-butyl phthalate	700	NA
di-n-octylphthalate	100	NA
Hexachlorobutadiene	1	NA
Hexachlorocyclopentadiene	40	NA
Hexachloroethane	7	NA
Isophrone	40	NA
Nitrobenzene	6	NA
N-Nitroso-di-n-Propylamine	10	NA
N-Nitrosodiphenylamine	10	NA
Phenol	2000	NA
Total TIC, Semi-Volatile	NS	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB
Sample ID	GWQS[1]	TRIP BLANK (11/4/2009)
Sample Date		11/4/2009
Validation Status		Final
SVOC BY SIM		
Acenaphthene	400	NA
Acenaphthylene	NS	NA
Anthracene	2000	NA
Benzo(a)anthracene	0.1 [0.2]	NA
Benzo(a)pyrene	0.1 [0.2]	NA
Benzo(b)fluoranthene	0.2 [10]	NA
Benzo(g,h,i)perylene	NS	NA
Benzo(k)fluoranthene	0.5	NA
Chrysene	5	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	NA
Fluoranthene	300	NA
Fluorene	300	NA
Hexachlorobenzene	0.02 [10]	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	NA
Naphthalene	300	NA
Pentachlorophenol	0.3 [1]	NA
Phenanthrene	NS	NA
Pyrene	200	NA
PCBs		
PCB 1016	0.5	NA
PCB 1221	0.5	NA
PCB 1232	0.5	NA
PCB 1242	0.5	NA
PCB 1248	0.5	NA
PCB 1254	0.5	NA
PCB 1260	0.5	NA
Total PCBs	0.5	NA
Metals - Total		
Aluminum	200	NA
Antimony	6	NA
Arsenic	3 [8]	NA
Barium	2000	NA
Beryllium	1	NA
Cadmium	4	NA
Calcium	NS	NA
Chromium	70	NA
Cobalt	NS	NA
Copper	1,300	NA
Iron	300	NA
Lead	5	NA
Magnesium	NS	NA
Manganese	50	NA
Mercury	2	NA
Nickel	100	NA
Potassium	NS	NA
Selenium	40	NA
Silver	40	NA
Sodium	50,000	NA
Thallium	2 [10]	NA
Vanadium	NS	NA
Zinc	2000	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Location ID		TB
Sample ID	GWQS[1]	TRIP BLANK (11/4/2009)
Sample Date		11/4/2009
Validation Status		Final
Metals - Dissolved		
Aluminum	200	NA
Antimony	6	NA
Arsenic	3 [8]	NA
Barium	2000	NA
Beryllium	1	NA
Cadmium	4	NA
Calcium	NS	NA
Chromium	70	NA
Cobalt	NS	NA
Copper	1,300	NA
Iron	300	NA
Lead	5	NA
Magnesium	NS	NA
Manganese	50	NA
Mercury	2	NA
Nickel	100	NA
Potassium	NS	NA
Selenium	40	NA
Silver	40	NA
Sodium	50,000	NA
Thallium	2 [10]	NA
Vanadium	NS	NA
Zinc	2000	NA
Other		
Alkalinity, total (as CaCO3)	NS	NA
Chloride	250000	NA
Sulfate	250000	NA

Table 12: Summary of Groundwater Analytical Results, October 2009, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Footnotes:

Results are presented in micrograms per liter (ug/L) unless otherwise noted.

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard
*	Detection limit is above the 2005 GWQS standard.

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Table 13: Summary of Water Level Measurments, January 2012 Ringwood Mines / Landfill Site, Ringwood, New Jersey

WELL ID	Date Collected	DTW (Feet)	Measuring Point Elevation (Feet)	Groundwater Elevation (Feet)
OB-11R	1/24/2012	16.03	532.10	516.07
OB-19	1/24/2012	11.18	532.39	521.21
OB-20A	1/24/2012	14.60	533.65	519.05
OB-20B	1/24/2012	13.45	533.95	520.50
OB-21	1/24/2012	6.62	539.46	532.84
SC-1	1/24/2012	13.64	532.42	522.12 *
RW-3DS (155-160)	1/24/2012	14.56	529.51	514.95
RW-3DD (175-180)	1/24/2012	14.63	529.41	514.78
RW-5	1/24/2012	11.66	533.19	521.53
RW-5A	1/24/2012	11.54	532.92	521.38
RW-6	1/24/2012	12.21	533.72	521.51
RW-6A	1/24/2012	12.88	534.05	521.17
RW-7	1/24/2012	2.57	539.02	536.45
RW-11S (236-241)	1/24/2012	8.16	529.81	521.65
RW-11D (262-267)	1/24/2012	7.17	529.80	522.63
PMP	1/24/2012	8.67	530.21	521.54

Notes

DTW- depth to water

*Groundwater elevation had to be adjusted for the angle of well. DTW measurement was multiplied by a factor of 0.755 before being subtracted from the Measuring Point Elevation.

PMP - Peters Mine Air Shaft

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Table 14: Field Parameters at Sampling Time - Overburden Wells - May 2011, Ringwood Mines/Landfill Site, Ringwood, New Jersey.

Well ID	Sample Date	Sample Time	Sample Method	Minutes elapsed	Rate (ml/pm)	Turbidity (NTUs)	REDOX (mV)	pH (SI Units)	Conductivity (mmhos/cm)	Temp (ºC)	Depth to Water (feet)	Diss. Oxygen (mg/L)
OB-1	5/17/2011	10:17	Low Flow	40	200	6.30	39.0	6.82	0.169	10.27	4.81	3.12
OB-2	5/16/2011	14:55	Low Flow	30	200	1.46	152.1	5.81	0.145	10.83	18.41	6.19
OB-3	5/18/2011	9:57	Low Flow	35	300	36.70	158.0	6.17	0.188	11.59	4.73	4.78
OB-4	5/17/2011	11:30	Low Flow	35	200	0.00	70.0	5.24	0.961	12.28	18.70	1.12
OB-5	5/17/2011	13:02	Low Flow	64	200	0.00	-175.0	7.17	0.998	10.95	2.10	0.32
OB-6	---	---	---	---	---	---	---	---	---	---	---	---
OB-7	5/17/2011	10:05	Low Flow	35	200	8.90	-101.0	6.99	0.585	10.38	3.70	1.93
OB-10	5/17/2011	15:42	Low Flow	30	200	38.40	205.0	6.10	0.141	10.53	6.13	3.17
OB-11R	5/18/2011	14:57	Low Flow	45	200	56.30	60.0	5.57	0.570	10.27	16.30	0.60
OB-12	5/17/2011	10:05	Low Flow	45	200	30.00	192.9	5.39	0.052	10.68	9.75	4.20
OB-13	5/17/2011	12:37	Low Flow	45	200	0.00	249.0	5.50	0.072	10.58	14.63	10.78
OB-14A	5/19/2011	13:42	Low Flow	35	200	63.70	-71.0	6.35	0.781	12.33	9.31	5.34
OB-14B	5/19/2011	13:48	Low Flow	40	200	29.10	-7.0	6.69	0.911	13.97	11.86	0.47
OB-15B	5/23/2011	14:35	Low Flow	40	200	2.00	77.0	7.65	0.204	13.59	5.73	1.53
OB-16	5/19/2011	11:14	Low Flow	40	200	15.80	77.0	5.39	0.997	12.02	5.25	0.73
OB-17	5/19/2011	11:00	Low Flow	35	200	0.00	35.0	6.12	0.192	11.85	3.98	0.91
OB-18	5/16/2011	10:25	Low Flow	40	200	0.00	204.0	5.84	0.605	8.69	5.54	0.92
OB-19	5/20/2011	10:25	Low Flow	45	200	0.00	-23	6.16	0.190	10.70	10.80	1.67
OB-20A	5/18/2011	11:45	Low Flow	35	200	19.70	110.0	5.09	0.227	8.19	14.65	0.60
OB-20B	5/18/2011	10:11	Low Flow	35	200	28.20	-63	6..45	0.355	9.45	14.98	1.42
OB-21	5/18/2011	10:33	Low Flow	40	200	39.95	244.0	6.01	0.110	11.25	5.80	8.49
OB-22	5/19/2011	13:31	Low Flow	40	100	98.00	98.2	6.38	0.536	16.69	11.30	4.99
OB-23	5/19/2011	14:45	Low Flow	40	200	0.00	-85	6.28	1-180	12.70	16.00	0.69
OB-24	5/19/2011	12:50	Low Flow	40	200	30.90	85	7.05	0.774	11.73	4.56	0.99
OB-25	5/20/2011	9:43	Low Flow	35	100	0	170	6.95	0.505	13.94	11.3	8.09
OB-26	5/17/2011	13:50	Low Flow	35	200	0.00	192	5.96	0.077	11.01	9.25	8.12
OB-27	5/18/2011	14:17	Low Flow	30	200	40.20	-106	6.76	0.368	11.46	14.65	0.79
OB-28	5/19/2011	10:37	Low Flow	40	200	20.60	27	6.65	0.939	11.41	1.25	0.48
SC-1	5/18/2011	14:45	Low Flow	50	200	0.00	-43.0	6.33	0.176	9.93	12.85	2.07
SC-2	5/16/2011	14:53	Low Flow	40	200	59.20	237.0	6.05	0.571	14.00	57.80	3.25

--- Well was compromised with obstruction.

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Table 14: Field Parameters at Sampling Time - Rock Wells - May and June 2011, Ringwood Mines/Landfill Site, Ringwood, New Jersey.

Well ID	Interval (fbgs)	Sample Date	Sample Time	Sample Method	Minutes elapsed	Rate (ml/pm)	Turbidity (NTUs)	REDOX (mV)	pH (SI Units)	Conductivity (mmhos/cm)	Temp (ºC)	Depth to Water (feet)	Diss. Oxygen (mg/L)
RW-1	131-141	5/26/2011	9:35	ZIST	38	0.22	0.00	0.1	6.70	0.428	15.07	NM	7.60
RW-1	64-74	5/26/2011	10:14	ZIST	335	0.22	---	---	---	---	---	---	---
RW-2	452-462	6/3/2011	6:28	ZIST	50	350	---	---	---	---	---	---	---
RW-2	279-289	5/24/2011	9:50	ZIST	15	100	0.00	18.0	4.15	2.55	23.11	MN	2.69
RW-3	77-87	5/25/2011	15:25	ZIST	67	26	0.00	148.0	5.51	0.222	21.88	NM	1.83
RW-3D	140-165	5/24/2011	14:30	LF- Packer	46	200	5.00	-152.0	7.36	0.471	14.86	16.30	1.13
RW-3D	170-181	5/24/2011	10:40	LF- Packer	55	200	5.00	-165.0	7.29	0.476	15.25	17.20	1.00
RW-4A	62-72	5/25/2011	10:20	ZIST	55	25	0.00	169.0	5.98	0.175	17.95	NM	NM
RW-4A	113-123	5/25/2011	10:05	ZIST	50	25	0.00	177.0	6.28	0.230	13.52	NM	NM
RW-4	333-343	6/7/2011	11:45	ZIST	136	50	0.00	39.0	11.34	1.310	18.87	NM	3.25
RW-4	393-403	5/25/2011	10:55	ZIST	255	100	---	---	---	---	---	---	---
RW-5	99-119	5/20/2011	9:50	Low Flow	35	200	0.00	-153.0	7.32	0.815	9.05	11.06	0.67
RW-5A	54-74	5/18/2011	13:13	Low Flow	45	200	52.40	-139.0	7.81	0.406	11.05	18.11	1.06
RW-6	99-119	5/18/2011	10:45	Low Flow	30	200	0.00	-82.0	6.63	0.554	10.30	11.55	2.37
RW-6A	58-78	5/18/2011	10:15	Low Flow	35	200	0.00	27.0	5.70	0.520	9.71	13.76	1.60
RW-7	99-119	5/18/2011	10:27	Low Flow	30	200	0.00	92.0	6.67	0.121	11.99	2.14	4.96
RW-8	163-173	5/31/11-6/1/11	10:40/10:03	ZIST	40	35	0.00	12.0	6.79	0.320	21.30	NM	1.73
RW-8	204-214	5/31/11-6/1/11	10:14	ZIST	---	---	---	---	---	---	---	---	---
RW-8A	47-57	---	---	ZIST	---	---	---	---	---	---	---	---	---
RW-9	139-149	5/26/2011	---	ZIST	---	---	---	---	---	---	---	---	---
RW-9	206-216	5/26/2011	---	ZIST	---	---	---	---	---	---	---	---	---
RW-9A	85-95	6/1/2011	9:18	ZIST	---	---	---	---	---	---	---	---	---
RW-9A	25-35	5/31/2011	---	ZIST	---	---	---	---	---	---	---	---	---
RW-10	185-195	5/31/2011	14:07	ZIST	13	125	0.00	-64.0	11.62	1.150	23.69	NM	1.40
RW-10	120-130	5/31/2011-6/1/2011	14:25/13:09	ZIST	33	48	---	---	---	---	---	---	---
RW-10A	75-85	6/2/2011	10:35	ZIST	195	73	0.00	162.0	6.62	0.324	17.31	NM	1.70
RW-10A	51-61	6/2/2011	10:55	ZIST	230	122	0.00	36.0	6.72	0.467	18.46	NM	0.76
RW-11	100-125	5/26/2011	11:25	LF- Packer	34	400	0.00	211.0	5.73	0.053	11.04	9.15	8.99
RW-11	142-167	5/26/2011	10:00	LF- Packer	38	425	0.00	210.0	5.61	0.054	10.41	9.02	7.70
RW-11	221-246	5/25/2011	15:20	LF- Packer	51	425	0.00	232.0	4.99	0.032	12.81	4.10	7.47
RW-11	252-272	5/25/2011	11:40	LF- Packer	31	350	0.00	225.0	5.44	0.054	15.46	8.68	6.24

--- No parameters were recorded
*Note Samples were collected on multiple days.

Table 14: Field Parameters at Sampling Time - Peters Mine Air Shaft - May 2011.

Well ID	Sample Depth (fbgs)	Sample Date	Sample Time	Sample Method	Minutes elapsed	Rate (ml/pm)	Turbidity (NTUs)	REDOX (mV)	pH (SI Units)	Conductivity (mmhos/cm)	Temp (ºC)	Diss. Oxygen (mg/L)
PMAir Shaft	180	5/24/2011	9:45	3 vol purge	50	600	1.40	-17.0	6.18	0.204	9.06	4.73
PMAir Shaft	230	5/24/2011	12:05	3 vol purge	45	600	82.2	-69	6.19	0.978	9	0.33

Sample Location		SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-NOB-02 Dup	SW-PAB-01	SW-PAB-02	SW-PAB-03	SW-PAB-04	SW-PMB-01	FB111605	TB111505
Sample Name	Surface Water	SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	DUP-SW-111505	SW-PAB-01	SW-PAB-02	SW-PAB-03	SW-PAB-04	SW-PMB-01	FB111605	TB111505
Sample Date	Criteria [1]	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005	11/15/2005
VOCs														
1,1,1 -Trichloroethane	127 (h)	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1,1,2,2-Tetrachloroethane	1.72 (hcc)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	13.5 (h)	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethane	NE	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,1-Dichloroethylene	4.81 (h)	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
1,2,4-Trichlorobenzene	30.6 (h)	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dibromo-3-Chloropropane (D	NE	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73
1,2-Dibromoethane	NE	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene	2520 (h)	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dichloroethane	0.291 (hc)	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,3-Dichlorobenzene	2620 (h)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,4-Dichlorobenzene	343 (h)	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2-Butanone (MEK)	NE	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9
2-Hexanone	NE	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
4-methyl-2-pentanone	NE	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Acetone	NE	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Benzene	0.150 (hc)	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromodichloromethane	0.266 (hc)	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Bromoform	4.38 (hc)	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Bromomethane	48.4 (h)	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Carbon disulfide	NE	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Carbon tetrachloride	0.363 (hc)	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Chlorobenzene	22 (h)	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086	<0.086
Chloroethane	NE	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99	<0.99
Chloroform	5.67 (hc)	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloromethane	NE	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
cis-1,2-Dichloroethene	NE	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
cis-1,3-Dichloropropene	NE	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Cyclohexane	NE	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dibromochloromethane	72.6 (h)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorodifluoromethane	NE	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
Ethylbenzene	3,030 (h)	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Freon 113	NE	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69	<0.69
Isopropylbenzene	NE	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61	<0.61
Methyl acetate	NE	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
Methyl Tert Butyl Ether	NE	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Methylcyclohexane	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Methylene chloride	2.49 (hc)	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Styrene	NE	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085
Tetrachloroethene	0.388 (hc)	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Toluene	7,440 (h)	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trans-1,2-dichloroethene	592 (h)	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
trans-1,3-Dichloropropene	NE	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichloroethylene	1.09 (hc)	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Trichlorofluoromethane	NE	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Vinyl Chloride	0.0830 (hc)	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Xylene, -o	NE	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Xylene, -m,p	NE	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
Xylenes	NE	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Total TIC, Volatile	NE	0	0	0	0	0	0	0	0	0	0	0	0	0

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Sample Location		SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-NOB-02 Dup	SW-PAB-01	SW-PAB-02	SW-PAB-03	SW-PAB-04	SW-PMB-01	FB111605	TB111505
Sample Name	**Surface Water**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**DUP-SW-111505**	**SW-PAB-01**	**SW-PAB-02**	**SW-PAB-03**	**SW-PAB-04**	**SW-PMB-01**	**FB111605**	**TB111505**
Sample Date	**Criteria [1]**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**
SVOCs														
1,1'-Biphenyl	NE	<0.32	<0.36	<0.36	<0.33	<0.33	<0.32	<0.31	<0.32	<0.31	<0.32	<0.35	<0.32	NA
2,4,5-Trichlorophenol	2,580 (h)	<1.5	<1.7	<1.7	<1.6	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5	<1.6	<1.5	NA
2,4,6-Trichlorophenol	2.14 (hc)	<1.2	<1.3	<1.3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.3	<1.2	NA
2,4-Dichlorophenol	92.7 (h)	<1.1	<1.3	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	NA
2,4-Dimethylphenol	NE	<1.9	<2.1	<2.1	<1.9	<1.9	<1.8	<1.8	<1.8	<1.8	<1.9	<2.0	<1.8	NA
2,4-Dinitrophenol	69.7 (h)	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	NA
2,4-Dinitrotoluene	0.11 (hc)	<0.30	<0.34	<0.33	<0.31	<0.31	<0.30	<0.29	<0.30	<0.29	<0.30	<0.32	<0.30	NA
2,6-Dinitrotoluene	NE	<0.26	<0.30	<0.29	<0.27	<0.27	<0.26	<0.26	<0.26	<0.26	<0.26	<0.28	<0.26	NA
2-Chloronaphthalene	NE	<0.29	<0.33	<0.33	<0.30	<0.30	<0.29	<0.29	<0.29	<0.29	<0.29	<0.31	<0.29	NA
2-Fluorophenol	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NE	<0.26	<0.30	<0.30	<0.27	<0.27	<0.26	<0.26	<0.26	<0.26	<0.26	<0.29	<0.26	NA
2-Methylphenol	NE	<0.97	<1.1	<1.1	<1.0	<0.99	<0.96	<0.95	<0.96	<0.95	<0.97	<1.0	<0.96	NA
2-Nitroaniline	NE	<0.48	<0.54	<0.53	<0.49	<0.49	<0.47	<0.47	<0.47	<0.47	<0.48	<0.52	<0.47	NA
2-Nitrophenol	NE	<1.0	<1.2	<1.2	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	NA
3&4-Methylphenol	NE	<1.2	<1.3	<1.3	<1.2	<1.2	<1.2	<1.1	<1.2	<1.1	<1.2	<1.3	<1.2	NA
3,3'-Dichlorobenzidine	0.0386 (hc)	<0.26	<0.29	<0.29	<0.27	<0.26	<0.26	<0.25	<0.26	<0.25	<0.26	<0.28	<0.26	NA
3-Nitroaniline	NE	<0.33	<0.37	<0.36	<0.34	<0.33	<0.32	<0.32	<0.32	<0.32	<0.33	<0.35	<0.32	NA
4,6-Dinitro-o-cresol	13.4 (h)	<1.4	<1.5	<1.5	<1.4	<1.4	<1.3	<1.3	<1.3	<1.3	<1.4	<1.5	<1.3	NA
4-Bromophenyl phenyl ether	NE	<0.31	<0.35	<0.35	<0.32	<0.32	<0.31	<0.31	<0.31	<0.31	<0.31	<0.34	<0.31	NA
4-Chloro-3-Methylphenol	NE	<3.4	<3.8	<3.8	<3.5	<3.4	<3.3	<3.3	<3.3	<3.3	<3.4	<3.6	<3.3	NA
4-Chloroaniline	NE	<0.42	<0.47	<0.47	<0.43	<0.43	<0.41	<0.41	<0.41	<0.41	<0.42	<0.45	<0.41	NA
4-Chlorophenyl phenyl ether	NE	<0.30	<0.34	<0.34	<0.31	<0.31	<0.30	<0.29	<0.30	<0.29	<0.30	<0.33	<0.30	NA
4-Nitroaniline	NE	<0.31	<0.36	<0.35	<0.32	<0.32	<0.31	<0.31	<0.31	<0.31	<0.31	<0.34	<0.31	NA
4-Nitrophenol	NE	<0.48	<0.54	<0.54	<0.49	<0.49	<0.47	<0.47	<0.47	<0.47	<0.48	<0.52	<0.47	NA
Acenaphthene	NE	<0.32	<0.36	<0.36	<0.33	<0.33	<0.32	<0.31	<0.32	<0.31	<0.32	<0.35	<0.32	NA
Acenaphthylene	NE	<0.69	<0.78	<0.77	<0.71	<0.70	<0.68	<0.67	<0.68	<0.67	<0.69	<0.74	<0.68	NA
Acetophenone	NE	<0.26	<0.29	<0.29	<0.27	<0.27	<0.26	<0.25	<0.26	<0.25	<0.26	<0.28	<0.26	NA
Anthracene	9570 (h)	<0.28	<0.32	<0.31	<0.29	<0.29	<0.28	<0.27	<0.28	<0.27	<0.28	<0.30	<0.28	NA
Atrazine	NE	<0.25	<0.28	<0.28	<0.25	<0.25	<0.24	<0.24	<0.24	<0.24	<0.25	<0.27	<0.24	NA
Benzaldehyde	NE	<1.1	<1.2	<1.2	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.1	<1.1	<1.0	NA
Benzo(a)anthracene	0.0028 (hc)	<0.29	<0.33	<0.32	<0.30	<0.29	<0.29	<0.28	<0.29	<0.28	<0.29	<0.31	<0.29	NA
Benzo(a)pyrene	0.0028 (hc)	<0.28	<0.32	<0.31	<0.29	<0.29	<0.28	<0.27	<0.28	<0.27	<0.28	<0.30	<0.28	NA
Benzo(b)fluoranthene	0.0028 (hc)	<0.34	<0.38	<0.38	<0.35	<0.34	<0.33	<0.33	<0.33	<0.33	<0.34	<0.36	<0.33	NA
Benzo(g,h,i)perylene	NE	<0.33	<0.37	<0.37	<0.34	<0.34	<0.33	<0.32	<0.33	<0.32	<0.33	<0.36	<0.33	NA
Benzo(k)fluoranthene	0.0028 (hc)	<0.31	<0.35	<0.34	<0.32	<0.31	<0.30	<0.30	<0.30	<0.30	<0.31	<0.33	<0.30	NA
Benzyl butyl phthalate	239 (h)	<0.39	<0.45	<0.44	<0.41	<0.40	<0.39	<0.39	<0.39	<0.39	<0.39	<0.43	<0.39	NA
bis(2-Chloroethoxy)ethane	NE	<0.35	<0.39	<0.39	<0.36	<0.36	<0.34	<0.34	<0.34	<0.34	<0.35	<0.38	<0.34	NA
bis(2-Chloroethyl)Ether	0.0311 (hc)	<0.64	<0.73	<0.72	<0.67	<0.66	<0.64	<0.63	<0.64	<0.63	<0.64	<0.70	<0.64	NA
bis(2-chloroisopropyl)Ether	1250 (h)	<0.31	<0.35	<0.34	<0.32	<0.31	<0.30	<0.30	<0.30	<0.30	<0.31	<0.33	<0.30	NA
Bis(2-ethylhexyl)phthalate	1.76 (hc)	<0.49	<0.56	<0.55	<0.51	<0.51	<0.49	<0.48	<0.49	<0.48	<0.49	<0.53	<0.49	NA
Caprolactam	NE	<0.83	<0.94	<0.93	<0.86	<0.85	<0.83	<0.82	<0.83	<0.82	<0.83	<0.90	<0.83	NA
Carbazole	NE	<0.28	<0.31	<0.31	<0.29	<0.28	<0.27	<0.27	<0.27	<0.27	<0.28	<0.30	<0.27	NA
Chyrsene	0.0028 (hc)	<0.30	<0.34	<0.34	<0.31	<0.31	<0.30	<0.30	<0.30	<0.30	<0.30	<0.33	<0.30	NA
Dibenzo(a,h)anthracene	0.0028 (hc)	<0.39	<0.44	<0.43	<0.40	<0.39	<0.38	<0.38	<0.38	<0.38	<0.39	<0.42	<0.38	NA
Dibenzofuran	NE	<0.31	<0.36	<0.35	<0.32	<0.32	<0.31	<0.31	<0.31	<0.31	<0.31	<0.34	<0.31	NA
Diethyl phthalate	21,200 (h)	<0.32	<0.37	<0.36	<0.34	<0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<0.35	<0.32	NA
Dimethyl phthalate	313,000 (h)	<0.32	<0.37	<0.36	<0.33	<0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<0.35	<0.32	NA

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Sample Location		SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-NOB-02 Dup	SW-PAB-01	SW-PAB-02	SW-PAB-03	SW-PAB-04	SW-PMB-01	FB111605	TB111505
Sample Name	**Surface Water**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**DUP-SW-111505**	**SW-PAB-01**	**SW-PAB-02**	**SW-PAB-03**	**SW-PAB-04**	**SW-PMB-01**	**FB111605**	**TB111505**
Sample Date	**Criteria [1]**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**
Diethyl phthalate	21,200 (h)	<0.32	<0.37	<0.36	<0.34	<0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<0.35	<0.32	NA
Dimethyl phthalate	313,000 (h)	<0.32	<0.37	<0.36	<0.33	<0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<0.35	<0.32	NA
di-n-Butyl phthalate	3,530 (h)	<0.36	<0.41	<0.41	<0.38	<0.37	<0.36	<0.36	<0.36	<0.36	<0.36	<0.39	<0.36	NA
di-n-Octylphthalate	NE	<0.36	<0.41	<0.40	<0.37	<0.37	<0.36	<0.35	<0.36	<0.35	<0.36	<0.39	<0.36	NA
Fluoranthene	310 (h)	<0.31	<0.35	<0.34	<0.32	<0.31	<0.30	<0.30	<0.30	<0.30	<0.31	<0.33	<0.30	NA
Fluorene	1,340 (h)	<0.29	<0.33	<0.33	<0.30	<0.30	<0.29	<0.29	<0.29	<0.29	<0.29	<0.32	<0.29	NA
Hexachlorobenzene	0.000748 (hc)	<0.28	<0.32	<0.32	<0.29	<0.29	<0.28	<0.28	<0.28	<0.28	<0.28	<0.31	<0.28	NA
Hexachlorobutadiene	6.94 (h)	<0.26	<0.30	<0.29	<0.27	<0.27	<0.26	<0.26	<0.26	<0.26	<0.26	<0.28	<0.26	NA
Hexachlorocyclopentadiene	245 (h)	<0.28	<0.31	<0.31	<0.29	<0.28	<0.27	<0.27	<0.27	<0.27	<0.28	<0.30	<0.27	NA
Hexachloroethane	2.73 (h)	<0.28	<0.31	<0.31	<0.29	<0.28	<0.27	<0.27	<0.27	<0.27	<0.28	<0.30	<0.27	NA
Indeno(1,2,3-cd)pyrene	0.0028 (hc)	<0.30	<0.34	<0.33	<0.31	<0.31	<0.30	<0.29	<0.30	<0.29	<0.30	<0.32	<0.30	NA
Isophrone	552 (h)	<0.48	<0.54	<0.53	<0.49	<0.49	<0.47	<0.47	<0.47	<0.47	<0.48	<0.52	<0.47	NA
Naphthalene	NE	<0.32	<0.36	<0.36	<0.33	<0.33	<0.32	<0.31	<0.32	<0.31	<0.32	<0.34	<0.32	NA
Nitrobenzene	16 (h)	<0.34	<0.38	<0.38	<0.35	<0.34	<0.33	<0.33	<0.33	<0.33	<0.34	<0.36	<0.33	NA
N-Nitroso-Di-n-Propylamine	NE	<0.28	<0.31	<0.31	<0.29	<0.28	<0.27	<0.27	<0.27	<0.27	<0.28	<0.30	<0.27	NA
N-Nitrosodiphenylamine	4.95 (h)	<0.41	<0.46	<0.46	<0.42	<0.42	<0.40	<0.40	<0.40	<0.40	<0.41	<0.44	<0.40	NA
Pentachlorophenol	0.282 (hc)	<0.80	<0.90	<0.89	<0.83	<0.82	<0.79	<0.78	<0.79	<0.78	<0.80	<0.86	<0.79	NA
Phenanthrene	NE	<0.34	<0.39	<0.38	<0.35	<0.35	<0.34	<0.34	<0.34	<0.34	<0.34	<0.37	<0.34	NA
Phenol	20,900 (h)	<0.56	<0.63	<0.62	<0.58	<0.57	<0.55	<0.55	<0.55	<0.55	<0.56	<0.60	<0.55	NA
Pyrene	797 (h)	<0.30	<0.34	<0.33	<0.31	<0.30	<0.29	<0.29	<0.29	<0.29	<0.30	<0.32	<0.29	NA
Total TIC, Semi-Volatile	NE	0	0	0	0	0	0	0	0	0	0	0	0	NA
system artifact-TIC	NE	4.3 J; 4.5 J; 10 J	11 J	13 J	4.9 J; 8.5 J	5J; 12J	4.4 J; 9.6 J	6.4 J	11 J	12 J	7 J	17 J	7.7 J; 4.4 J; 6.9 J	NA
system artifact/aldol-cond.-TIC	NE	19 J	22 J	21 J	17 J	20 J	17 J	18 J	16 J	17 J	19 J	18 J	19 J	NA
PCBs														
PCB 1016	0.014 ('c); 0.00017 (hc)	<0.16	<0.18	<0.17	<0.15	<0.17	<0.16	<0.15	<0.18	<0.16	<0.15	<0.18	<0.15	NA
PCB 1221	0.014 ('c); 0.00017 (hc)	<0.22	<0.23	<0.23	<0.20	<0.22	<0.21	<0.20	<0.24	<0.21	<0.20	<0.24	<0.20	NA
PCB 1232	0.014 ('c); 0.00017 (hc)	<0.20	<0.22	<0.21	<0.19	<0.20	<0.20	<0.19	<0.22	<0.20	<0.19	<0.22	<0.19	NA
PCB 1242	0.014 ('c); 0.00017 (hc)	<0.065	<0.070	<0.068	<0.060	<0.066	<0.063	<0.060	<0.071	<0.064	<0.060	<0.071	<0.060	NA
PCB 1248	0.014 ('c); 0.00017 (hc)	<0.068	<0.074	<0.072	<0.064	<0.070	<0.067	<0.064	<0.075	<0.068	<0.064	<0.075	<0.064	NA
PCB 1254	0.014 ('c); 0.00017 (hc)	<0.10	<0.11	<0.11	<0.096	<0.10	<0.10	<0.096	<0.11	<0.10	<0.096	<0.11	<0.096	NA
PCB 1260	0.014 ('c); 0.00017 (hc)	<0.066	<0.071	<0.069	<0.061	<0.067	<0.064	<0.061	<0.072	<0.065	<0.061	<0.072	<0.061	NA
Metals														
Aluminum (fume or dust)	NE	<200	<200	<200	<200	<200	<200	<1000	<200	<200	<200	<200	<200	NA
Antimony	12.2 (h)	<5.0	<5.0	<5.0	5.8	5	6.1	<25	<5.0	6.4	<5.0	<5.0	<5.0	NA
Arsenic	0.0170 (hc)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	NA
Barium	2000 (h)	<200J	<200J	<200J	<200J	<200J	<200J	<1000J	<200J	<200J	<200J	<200J	<200J	NA
Beryllium	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
Cadmium	10 (h)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20	<4.0	<4.0	<4.0	<4.0	<4.0	NA
Calcium Metal	NE	<5000	<5000	6040	<5000	5330	5210	<25000	11700	11300	12300	55300	<5000	NA
Chromium	160 (h)	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	NA
Cobalt	NE	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	NA
Copper	NE	<25	<25	<25	<25	<25	<25	<130	<25	<25	<25	<25	<25	NA
Iron	NE	107	117	<100	<100	<100J	106J	1530	2370	1070	115	15400	<100	NA
Lead	5 (h), 5.4 ('c), 38 (a)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15	<3.0	<3.0	3.7	<3.0	<3.0	NA
Magnesium	NE	<5000	<5000	<5000	<5000	<5000	<5000	<25000	<5000	<5000	<5000	12200	<5000	NA
Manganese	100 (h)	15.3	29.3	16.6	<15	<15	<15	**112**	**289**	**143**	<15	**4280**	<15	NA

R2-0003530

Sample Location		SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-NOB-02 Dup	SW-PAB-01	SW-PAB-02	SW-PAB-03	SW-PAB-04	SW-PMB-01	FB111605	TB111505
Sample Name	**Surface Water**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**DUP-SW-111505**	**SW-PAB-01**	**SW-PAB-02**	**SW-PAB-03**	**SW-PAB-04**	**SW-PMB-01**	**FB111605**	**TB111505**
Sample Date	**Criteria [1,2]**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**	**11/15/2005**
Magnesium	NE	<5000	<5000	<5000	<5000	<5000	<5000	<25000	<5000	<5000	<5000	12200	<5000	NA
Manganese	100 (h)	15.3	29.3	16.6	<15	<15	<15	112	289	143	<15	4280	<15	NA
Nickel	516 (h)	<40	<40	<40	<40	<40	<40	<200	<40	<40	<40	<40	<40	NA
Potassium	NE	<5000J	<5000J	<5000J	<5000J	<5000J	<5000J	<25000J	<5000J	<5000J	<5000J	11500J	<5000J	NA
Selenium	10 (h)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	NA
Silver	164 (h)	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	NA
Sodium	NE	<5000	<5000	5980	<5000	<5000	<5000	<25000	<5000	<5000	<5000	26900	<5000	NA
Thallium	1.70 (h)	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	NA
Vanadium (Fume or Dust)	NE	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	NA
Zinc	NE	<20	<20	<20	<20	<20	<20	<100	<20	<20	<20	<20	<20	NA
Mercury	0.144 (h)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
Other	NE													
Total organic carbon (mg/L)	NE	1.9	1.8	2	1.6	2.5	2.5	2.1	1.8	3	2.2	11.4	NA	NA
Chloride (mg/L)	NE	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	36.9	NA	NA
Nitrate (mg/L)	10,000 (h)	<0.11	<0.11	0.14	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	NA	NA
Nitrogen, Nitrate + Nitrite (mg/L)	NE	<0.10	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	NA
Nitrogen, Nitrite (mg/L)	NE	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
BOD, 5 Day (mg/L)	NE	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4	NA	NA
COD (mg/L)	NE	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	43	NA	NA
Hardness, Total (mg/L)	NE	37.2	37.2	35.3	31.4	37.2	37.2	37.2	58.8	56.8	54.9	180	NA	NA
pH (s.u.)	6.5 - 8.5	**5.79**	**5.83**	**5.82**	**5.84**	**5.9**	**6.23**	**5.62**	**6.03**	**5.95**	**6.2**	**6.33**	NA	NA
Total Dissolved Solids (mg/L)	NE	36	31	51	<10	43	49	49	51	36	51	263	NA	NA

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
PCBs	Polychlorinated biphenyls.
[1]	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria
[2]	Surface Water Quality Standards , FW2 as specified in (N.J.A.C). 7:9B, June 2005 select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard (GWQS)
*	Detection limit is above the 2005 GWQS standard.
**	Detection limit also above the 2004 GWQS standard.
	Value is above the Surface Water Quality Standard (SWQS)

R2-0003531

Table 16: Summary of November 2006 Surface Water Analytical Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Well			PM-SW061128-1	PM-SW061128-1REP	PM-SW061128-2	PM-SW061128-3	FIELD BLANK 061128	TRIP BLANK 061128
Sample Date	**GWQS[1]**	**SWQS[2]**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs								
1,1,1-Trichloroethane	30	127	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2,2-Tetrachloroethane	1	1.72	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	3	13.5	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,1-Dichloroethane	50	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethene	1	4.81	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	9	30.6	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
1,2-Dibromo-3-Chloropropane (DBCP)	0.02 [1]	NS	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**	< 1.1**
1,2-Dibromoethane	0.03 [0.5]	NS	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**	< 0.52**
1,2-Dichlorobenzene	600	2520	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	2	0.291	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	1	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	600	2620	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
1,4-Dichlorobenzene	75	343	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
2-Butanone (MEK)	300	NS	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
2-Hexanone	NS	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
4-methyl-2-pentanone (MIBK)	NS	NS	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Acetone	6000	NS	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
Benzene	1	0.15	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Bromodichloromethane	1	0.266	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Bromoform	4	4.38	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
Bromomethane	10	48.4	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Carbon disulfide	700	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Carbon tetrachloride	1	0.363	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Chlorobenzene	50	22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	NS	NS	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56	< 0.56
Chloroform	70	5.67	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloromethane	NS	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
cis-1,2-Dichloroethene	70	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
cis-1,3-Dichloropropene	1	0.193	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Cyclohexane	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	1	72.6	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Dichlorodifluoromethane	1,000	NS	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75	< 0.75
Ethylbenzene	700	3030	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Freon 113	NS	NS	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Isopropylbenzene	700	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl acetate	7000	NS	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1
Methyl tert butyl ether	70	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylcyclohexane	NS	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	3	2.49	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
o-Xylene	NS	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Styrene	100	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Tetrachloroethene	1	0.388	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Toluene	1000	7440	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trans-1,2-dichloroethene	100	592	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
trans-1,3-Dichloropropene	1	NS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	1	1.09	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Trichlorofluoromethane	2000	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vinyl Chloride	1	0.083	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Xylene, -m,p	NS	NS	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
Xylenes	1,000	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Total TIC, Volatile	NS	NS	0	0	0	0	0	0

Table 16: Summary of November 2006 Surface Water Analytical Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Well			PM-SW061128-1	PM-SW061128-1REP	PM-SW061128-2	PM-SW061128-3	FIELD BLANK 061128	TRIP BLANK 061128
Sample Date	GWQS[1]	SWQS[2]	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006
Validation Status			Final	Final	Final	Final	Final	Final
SVOCs								
1,1'-Biphenyl	400	NS	< 0.34	< 0.37	< 0.33	< 0.33	< 0.41	NA
2,4,5-Trichlorophenol	700	2580	< 2	< 2.2	< 2	< 1.9	< 2.4	NA
2,4,6-Trichlorophenol	20	2.14	< 1.3	< 1.4	< 1.3	< 1.3	< 1.6	NA
2,4-Dichlorophenol	20	92.7	< 1.6	< 1.8	< 1.6	< 1.6	< 2	NA
2,4-Dimethylphenol	100	NS	< 1.7	< 1.9	< 1.7	< 1.6	< 2.1	NA
2,4-Dinitrophenol	40	69.7	< 0.94	< 1	< 0.91	< 0.89	< 1.1	NA
2,4-Dinitrotoluene	10	0.11	< 0.91	< 0.98	< 0.88	< 0.86	< 1.1	NA
2,6-Dinitrotoluene	10	NS	< 0.59	< 0.64	< 0.57	< 0.56	< 0.71	NA
2-Chloronaphthalene	600	NS	< 1	< 1.1	< 1	< 0.98	< 1.2	NA
2-Chlorophenol	40	122	< 1	< 1.1	< 0.97	< 0.95	< 1.2	NA
2-Methylnaphthalene	NS	NS	< 0.43	< 0.46	< 0.42	< 0.41	< 0.52	NA
2-Methylphenol	NS	NS	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	NA
2-Nitroaniline	NS	NS	< 0.7	< 0.75	< 0.68	< 0.66	< 0.84	NA
2-Nitrophenol	NS	NS	< 1.9	< 2.1	< 1.8	< 1.8	< 2.3	NA
3&4-Methylphenol	NS	NS	< 1.3	< 1.4	< 1.3	< 1.3	< 1.6	NA
3,3'-Dichlorobenzidine	30	0.0386	< 1.3	< 1.4	< 1.2	< 1.2	< 1.5	NA
3-Nitroaniline	NS	NS	< 1.3	< 1.4	< 1.3	< 1.3	< 1.6	NA
4,6-Dinitro-2-methylphenol	NS	13.4	< 0.76	< 0.82	< 0.74	< 0.72	< 0.91	NA
4-Bromophenyl phenyl ether	NS	NS	< 0.31	< 0.34	< 0.31	< 0.3	< 0.38	NA
4-Chloro-3-Methylphenol	NS	NS	< 1.2	< 1.3	< 1.2	< 1.2	< 1.5	NA
4-Chloroaniline	30	NS	< 0.42	< 0.45	< 0.41	< 0.4	< 0.5	NA
4-Chlorophenyl phenyl ether	NS	NS	< 0.45	< 0.49	< 0.44	< 0.43	< 0.55	NA
4-Nitroaniline	NS	NS	< 0.76	< 0.82	< 0.74	< 0.72	< 0.91	NA
4-Nitrophenol	NS	NS	< 0.89	< 0.96	< 0.86	< 0.84	< 1.1	NA
Acetophenone	700	NS	< 0.39	< 0.42	< 0.38	< 0.37	< 0.47	NA
Atrazine	3	NS	< 0.17	< 0.19	< 0.17	< 0.16	< 0.21	NA
Benzaldehyde	NS	NS	< 0.28	< 0.3	< 0.27	< 0.27	< 0.34	NA
Benzyl butyl phthalate	100	239	< 0.62	< 0.67	< 0.61	< 0.59	< 0.75	NA
bis(2-Chloroethoxy)methane	NS	NS	< 0.69	< 0.74	< 0.67	< 0.65	< 0.83	NA
bis(2-Chloroethyl)ether	7	0.0311	< 0.56	< 0.6	< 0.54	< 0.53	< 0.67	NA
bis(2-Chloroisopropyl)ether	300	1250	< 0.78	< 0.84	< 0.75	< 0.74	< 0.94	NA
bis(2-Ethylhexyl)phthalate	3	1.76	< 0.7	< 0.75	< 0.67	< 0.66	< 0.84	NA
Caprolactam	NS	NS	< 0.33	< 0.36	< 0.32	< 0.32	< 0.4	NA
Carbazole	NS	NS	< 0.38	< 0.41	< 0.37	< 0.36	< 0.46	NA
Dibenzofuran	NS	NS	< 0.36	< 0.39	< 0.35	< 0.34	< 0.44	NA
Diethyl phthalate	6000	21200	< 0.41	< 0.44	< 0.4	< 0.39	< 0.49	NA
Dimethyl phthalate	NS	313000	< 0.35	< 0.37	< 0.33	< 0.33	< 0.42	NA
di-n-butyl phthalate	700	3530	< 0.62	< 0.67	< 0.6	< 0.59	< 0.75	NA
di-n-octylphthalate	100	NS	< 0.6	< 0.65	< 0.58	< 0.57	< 0.72	NA
Hexachlorobutadiene	1	6.94	< 0.18	< 0.2	< 0.18	< 0.18	< 0.22	NA
Hexachlorocyclopentadiene	40	245	< 0.43	< 0.46	< 0.42	< 0.41	< 0.52	NA
Hexachloroethane	7	2.73	< 0.3	< 0.32	< 0.29	< 0.28	< 0.36	NA
Isophrone	40	552	< 0.62	< 0.67	< 0.6	< 0.59	< 0.75	NA
Nitrobenzene	6	16	< 0.44	< 0.48	< 0.43	< 0.42	< 0.53	NA
N-Nitroso-di-n-Propylamine	10	NS	< 0.49	< 0.53	< 0.48	< 0.47	< 0.59	NA
N-Nitrosodiphenylamine	10	4.95	< 0.54	< 0.59	< 0.53	< 0.52	< 0.65	NA
Phenol	2000	20900	< 0.52	< 0.56	< 0.51	< 0.5	< 0.63	NA
Total TIC, Semi-Volatile	NS	NS	0	0	0	0	0	NA

Table 16: Summary of November 2006 Surface Water Analytical Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Well			PM-SW061128-1	PM-SW061128-1REP	PM-SW061128-2	PM-SW061128-3	FIELD BLANK 061128	TRIP BLANK 061128
Sample Date	**GWQS[1]**	**SWQS[2]**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**	**11/28/2006**
Validation Status			**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs SIM								
Acenaphthene	400	NS	< 0.018	< 0.019	< 0.019	< 0.017	< 0.022	NA
Acenaphthylene	NS	NS	< 0.01	< 0.011	< 0.011	< 0.0095	< 0.012	NA
Anthracene	2000	9570	< 0.022	< 0.024	< 0.024	< 0.021	< 0.026	NA
Benzo(a)anthracene	0.1 [0.2]	0.0028	< 0.0072	< 0.0077	< 0.0077	< 0.0068	< 0.0086	NA
Benzo(a)pyrene	0.1 [0.2]	0.0028	< 0.018	< 0.019	< 0.019	< 0.017	< 0.021	NA
Benzo(b)fluoranthene	0.2 [10]	0.0028	< 0.038	< 0.041	< 0.041	< 0.036	< 0.046	NA
Benzo(g,h,i)perylene	NS	NS	< 0.019	< 0.02	< 0.02	< 0.018	< 0.023	NA
Benzo(k)fluoranthene	0.5	0.0028	< 0.017	< 0.018	< 0.018	< 0.016	< 0.02	NA
Chyrsene	5	0.0028	< 0.018	< 0.019	< 0.019	< 0.017	< 0.021	NA
Dibenzo(a,h)anthracene	0.3 [0.5]	0.0028	< 0.017	< 0.019	< 0.019	< 0.016	< 0.021	NA
Fluoranthene	300	310	< 0.0095	< 0.01	< 0.01	< 0.009	< 0.011	NA
Fluorene	300	1340	< 0.021	< 0.023	< 0.023	< 0.02	< 0.025	NA
Hexachlorobenzene	0.02 [10]	0.000748	< 0.064*	< 0.069*	< 0.069*	< 0.061*	< 0.077*	NA
Indeno(1,2,3-cd)pyrene	0.2 [10]	0.0028	< 0.012	< 0.013	< 0.013	< 0.011	< 0.014	NA
Naphthalene	300	NS	< 0.027	< 0.029	< 0.029	< 0.026	< 0.033	NA
Pentachlorophenol	0.3 [1]	0.282	< 0.42*	< 0.45*	< 0.45*	< 0.4*	< 0.5*	NA
Phenanthrene	NS	NS	< 0.022	< 0.024	< 0.024	< 0.021	< 0.027	NA
Pyrene	200	797	< 0.015	< 0.016	< 0.016	< 0.014	< 0.018	NA
PCBs								
PCB 1016	0.5	0.00017	< 0.094	< 0.1	< 0.12	< 0.1	< 0.12	NA
PCB 1221	0.5	0.00017	< 0.47	< 0.52	< 0.59	< 0.52	< 0.62	NA
PCB 1232	0.5	0.00017	< 0.39	< 0.43	< 0.49	< 0.43	< 0.51	NA
PCB 1242	0.5	0.00017	< 0.16	< 0.18	< 0.21	< 0.18	< 0.22	NA
PCB 1248	0.5	0.00017	< 0.15	< 0.17	< 0.19	< 0.17	< 0.2	NA
PCB 1254	0.5	0.00017	< 0.11	< 0.12	< 0.14	< 0.12	< 0.14	NA
PCB 1260	0.5	0.00017	< 0.12	< 0.13	< 0.15	< 0.13	< 0.15	NA
Total PCBs	0.5	0.00017	0	0	0	0	0	NA
Pesticides/Herbicides								
4,4-DDD	0.1	0.000832	< 0.0024	< 0.0027	< 0.003	< 0.0027	< 0.0032	NA
4,4-DDE	0.1	0.000588	< 0.0017	< 0.0018	< 0.0021	< 0.0018	< 0.0022	NA
4,4-DDT	0.1	0.000588	< 0.0049	< 0.0054	< 0.0062	< 0.0054	< 0.0065	NA
Aldrin	0.04	0.000135	< 0.0033	< 0.0037	< 0.0042	< 0.0037	< 0.0044	NA
alpha-BHC	0.02	0.00391	< 0.0026	< 0.0029	< 0.0033	< 0.0029	< 0.0034	NA
alpha-Chlordane	NS	NS	< 0.0044	< 0.0048	< 0.0054	< 0.0048	< 0.0057	NA
beta-BHC	0.04	0.137	< 0.0062	< 0.0068	< 0.0077	< 0.0068	< 0.0081	NA
delta-BHC	NS	NS	< 0.0031	< 0.0034	< 0.0039	< 0.0034	< 0.0041	NA
Dieldrin	0.03	0.000135	< 0.0017	< 0.0019	< 0.0021	< 0.0019	< 0.0023	NA
Endosulfan I (alpha)	40	0.056	< 0.0021	< 0.0023	< 0.0026	< 0.0023	< 0.0028	NA
Endosulfan II (beta)	40	0.056	< 0.0032	< 0.0036	< 0.0041	< 0.0036	< 0.0043	NA
Endosulfan sulfate	40	0.93	< 0.0046	< 0.0051	< 0.0058	< 0.0051	< 0.0061	NA
Endrin	2	0.0023	< 0.003	< 0.0033	< 0.0038	< 0.0033	< 0.004	NA
Endrin Aldehyde	NS	0.76	< 0.0064	< 0.0071	< 0.0081	< 0.0071	< 0.0085	NA
Endrin ketone	NS	NS	< 0.0035	< 0.0038	< 0.0044	< 0.0038	< 0.0046	NA
gamma-Chlordane	NS	NS	< 0.0017	< 0.0019	< 0.0022	< 0.0019	< 0.0023	NA
Heptachlor	0.05	0.000208	< 0.0026	< 0.0028	< 0.0032	< 0.0028	< 0.0034	NA
Heptachlor epoxide	0.2	0.000103	< 0.0015	< 0.0016	< 0.0018	< 0.0016	< 0.0019	NA
Lindane	0.03	0.08	< 0.0017	< 0.0019	< 0.0022	< 0.0019	< 0.0023	NA
Methoxychlor	40	0.03	< 0.0068	< 0.0074	< 0.0085	< 0.0074	< 0.0089	NA
Toxaphene	2	0.00073	< 0.094	< 0.1	< 0.12	< 0.1	< 0.12	NA

Well			PM-SW061128-1	PM-SW061128-1REP	PM-SW061128-2	PM-SW061128-3	FIELD BLANK 061128	TRIP BLANK 061128
Sample Date	GWQS[1]	SWQS[2]	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006
Validation Status			Final	Final	Final	Final	Final	Final
Metals - Total								
Aluminum	200	NS	28 B	76.1 B	78.6 B	< 23	< 23	NA
Antimony	6	12.2	< 5	< 5	< 5	< 5	< 5	NA
Arsenic	3 [8]	0.017	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA
Barium	2000	2000	132 B	149 B	127 B	119 B	< 2.3	NA
Beryllium	1	NS	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA
Cadmium	4	10	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA
Calcium	NS	NS	23900	23700	23900	23400	61.7 B	NA
Chromium	70	160	< 0.8	0.96 B	< 0.8	< 0.8	< 0.8	NA
Cobalt	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	NA
Copper	1,300	NS	< 2.7	4.6 B	3 B	< 2.7	< 2.7	NA
Iron	300	NS	**9310**	**11000**	**8180**	**3650**	< 25	NA
Lead	5	5	< 2.8 J	4.1 J	4.3	< 2.8	< 2.8	NA
Magnesium	NS	NS	3320 B	3280 B	3330 B	3260 B	< 14	NA
Manganese	50	100	**453**	**555**	**475**	**377**	< 0.6	NA
Mercury	2	0.144	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	NA
Nickel	100	516	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	NA
Potassium	NS	NS	3190 B	3120 B	3120 B	3170 B	< 55	NA
Selenium	40	10	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	NA
Silver	40	164	< 1	< 1	< 1	< 1	< 1	NA
Sodium	50,000	NS	3330 BJ	3160 BJ	3170 BJ	3300 BJ	1040 B	NA
Thallium	2 [10]	1.7	< 0.09	<0.09	< 0.09	< 0.09	0.15 B	NA
Vanadium	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	NA
Zinc	2000	NS	57.4	70	61.8	39.2	5.3 B	NA
Metals - Dissolved								
Aluminum	200	NS	< 23	< 23	< 23	< 23	NA	NA
Antimony	6	12.2	< 5	< 5	< 5	< 5	NA	NA
Arsenic	3 [8]	0.017	< 1.5	< 1.5	< 1.5	< 1.5	NA	NA
Barium	2000	2000	111 BJ	115 BJ	106 B	112 B	NA	NA
Beryllium	1	NS	< 0.4	< 0.4	< 0.4	< 0.4	NA	NA
Cadmium	4	10	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA
Calcium	NS	NS	22500 J	22800 J	23300	23100	NA	NA
Chromium	70	160	< 0.8	< 0.8	< 0.8	< 0.8	NA	NA
Cobalt	NS	NS	< 1.8	< 1.8	< 1.8	< 1.8	NA	NA
Copper	1,300	NS	< 2.7	< 2.7	< 2.7	< 2.7	NA	NA
Iron	300	NS	132 J	< 25 J	203	250	NA	NA
Lead	5	5	< 2.8	< 2.8	< 2.8	< 2.8	NA	NA
Magnesium	NS	NS	3130 BJ	3160 BJ	3220 B	3200 B	NA	NA
Manganese	50	100	**200 J**	**293 J**	**169**	**297**	NA	NA
Mercury	2	0.144	< 0.037	< 0.037	< 0.037	< 0.037	NA	NA
Nickel	100	516	< 2.8	< 2.8	< 2.8	< 2.8	NA	NA
Potassium	NS	NS	2940 BJ	3040 BJ	3000 B	3010 B	NA	NA
Selenium	40	10	< 6.2	< 6.2	< 6.2	< 6.2	NA	NA
Silver	40	164	< 1	< 1	< 1	< 1	NA	NA
Sodium	50,000	NS	3300 BJ	<830	3330 BJ	3410 BJ	NA	NA
Thallium	2 [10]	NS	< 0.09	< 0.09	< 0.09	< 0.09	NA	NA
Vanadium	NS	1.7	< 1.8	< 1.8	< 1.8	< 1.8	NA	NA
Zinc	2000	NS	19.1 BJ	18.5 BJ	21.3 J	27	NA	NA
Other								
Bromide	NS	NS	< 150	< 150	< 150	< 150	< 150	NA
Cyanide	100	5.2	< 10	< 10	< 10	< 10	< 10	NA
Nitrate	10000	10000	< 110	< 110	< 110	< 110	< 110	NA
Nitrogen, Nitrite	1,000	NS	< 10	< 10	< 10	< 10	< 10	NA
Nitrogen, Nitrate & Nitrite	10,000	NS	< 100	< 100	< 100	< 100	< 100	NA
Phosphorus, Total	NS	100	500 J	< 50 J	140	< 50	< 50	NA

Table 16: Summary of November 2006 Surface Water Analytical Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Well			PM-SW061128-1	PM-SW061128-1REP	PM-SW061128-2	PM-SW061128-3	FIELD BLANK 061128	TRIP BLANK 061128
Sample Date	GWQS[1]	SWQS[2]	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006	11/28/2006
Validation Status			Final	Final	Final	Final	Final	Final

Results are presented in microgram per liter (ug/L).

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
PCBs	Polychlorinated biphenyls.
1	Ground Water Quality Standards (GWQS), Class IIA, as specified in New Jersey Administrative Code (N.J.A.C). 7:9-6, current 2005 and interim criteria
2	Surface Water Quality Standards , FW2 as specified in (N.J.A.C). 7:9B, June 2005 select 2004 criteria are presented in [ ].
Bold	Value is above the Ground Water Quality Standard (GWQS)
*	Detection limit is above the 2005 GWQS standard.
**	Detection limit also above the 2004 GWQS standard.
	Value is above the Surface Water Quality Standard (SWQS)

Table 17: Summary of September 2007 Surface Water Analytical Results, Ringwood, New Jersey.

Sample Name		SW-PAB-05	SW-PAB-06	TRIP BLANK (J72606)
Sample Date	Surface Water	9/26/2007	9/26/2007	9/26/2007
Validation Status	Criteria [(1)]	Final	Final	Final
VOC				
1,1,1-Trichloroethane	127 (h)	< 0.3	< 0.3	< 0.3
1,1,2,2-Tetrachloroethane	1.72 (hcc)	< 0.8	< 0.8	< 0.8
1,1,2-Trichloroethane	13.5 (h)	< 0.49	< 0.49	< 0.49
1,1-Dichloroethane	NS	< 0.2	< 0.2	< 0.2
1,1-Dichloroethene	4.81 (h)	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	30.6 (h)	< 0.41	< 0.41	< 0.41
1,2-Dibromo-3-Chloropropane (I	NS	< 0.8	< 0.8	< 0.8
1,2-Dibromoethane	NS	< 0.45	< 0.45	< 0.45
1,2-Dichlorobenzene	2520 (h)	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	0.291 (hc)	< 0.29	< 0.29	< 0.29
1,2-Dichloropropane	NS	< 0.24	< 0.24	< 0.24
1,3-Dichlorobenzene	2620 (h)	< 0.21	< 0.21	< 0.21
1,4-Dichlorobenzene	343 (h)	< 0.17	< 0.17	< 0.17
2-Butanone (MEK)	NS	< 2.7	< 2.7	< 2.7
2-Hexanone	NS	< 0.94	< 0.94	< 0.94
4-methyl-2-pentanone (MIBK)	NS	< 1.4	< 1.4	< 1.4
Acetone	NS	< 2.9	< 2.9	< 2.9
Benzene	0.150 (hc)	< 0.19	**0.68 J**	< 0.19
Bromodichloromethane	0.266 (hc)	< 0.15	< 0.15	< 0.15
Bromoform	4.38 (hc)	< 0.34	< 0.34	< 0.34
Bromomethane	48.4 (h)	< 0.38	< 0.38	< 0.38
Carbon disulfide	NS	< 0.14	< 0.14	< 0.14
Carbon tetrachloride	0.363 (hc)	< 0.19	< 0.19	< 0.19
Chlorobenzene	22 (h)	< 0.19	< 0.19	< 0.19
Chloroethane	NS	< 0.67	< 0.67	< 0.67
Chloroform	5.67 (hc)	< 0.25	< 0.25	< 0.25
Chloromethane	NS	< 0.3	< 0.3	< 0.3
cis-1,2-Dichloroethene	NS	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	0.193	< 0.13	< 0.13	< 0.13
Cyclohexane	NS	< 0.85	< 0.85	< 0.85
Dibromochloromethane	72.6 (h)	< 0.28	< 0.28	< 0.28
Dichlorodifluoromethane	NS	< 1	< 1	< 1
Ethylbenzene	3,030 (h)	< 0.21	< 0.21	< 0.21
Freon 113	NS	< 1.2	< 1.2	< 1.2
Isopropylbenzene	NS	< 0.54	< 0.54	< 0.54
Methyl acetate	NS	< 1.6	< 1.6	< 1.6
Methyl tert butyl ether	NS	< 0.2	< 0.2	< 0.2
Methylcyclohexane	NS	< 0.5	< 0.5	< 0.5
Methylene chloride	2.49 (hc)	< 0.21	< 0.21	< 0.21
o-Xylene	NS	< 0.2	< 0.2	< 0.2
Styrene	NS	< 0.2	< 0.2	< 0.2
Tetrachloroethene	0.388 (hc)	< 0.28	< 0.28	< 0.28
Toluene	7,440 (h)	< 0.21	< 0.21	< 0.21
Trans-1,2-dichloroethene	592 (h)	< 0.32	< 0.32	< 0.32
trans-1,3-Dichloropropene	NS	< 0.17	< 0.17	< 0.17
Trichloroethene	1.09 (hc)	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane	NS	< 0.26	< 0.26	< 0.26
Vinyl Chloride	0.0830 (hc)	< 0.22	< 0.22	< 0.22
Xylene, -m,p	NS	< 0.35	< 0.35	< 0.35
Xylenes	NS	< 0.2	< 0.2	< 0.2
Total TIC, Volatile	NS	0	0	0

Footnotes on Page 4.

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Table 17: Summary of September 2007 Surface Water Analytical Results, Ringwood, New Jersey.

Sample Name		SW-PAB-05	SW-PAB-06	TRIP BLANK (J72606)
Sample Date	Surface Water	9/26/2007	9/26/2007	9/26/2007
Validation Status	Criteria [(1)]	Final	Final	Final
PCBs				
PCB 1016	0.014 ('c); 0.00017 (hc)	< 0.1	< 0.14	NA
PCB 1221	0.014 ('c); 0.00017 (hc)	< 0.52	< 0.72	NA
PCB 1232	0.014 ('c); 0.00017 (hc)	< 0.43	< 0.6	NA
PCB 1242	0.014 ('c); 0.00017 (hc)	< 0.18	< 0.25	NA
PCB 1248	0.014 ('c); 0.00017 (hc)	< 0.17	< 0.24	NA
PCB 1254	0.014 ('c); 0.00017 (hc)	< 0.12	< 0.17	NA
PCB 1260	0.014 ('c); 0.00017 (hc)	< 0.13	< 0.18	NA
Total PCBs	0.014 ('c); 0.00017 (hc)	0	0	NA
SVOC				
1,1'-Biphenyl	NS	< 0.47	< 0.36	NA
2,4,5-Trichlorophenol	2,580 (h)	< 2.8	< 2.1	NA
2,4,6-Trichlorophenol	2.14 (hc)	< 1.8	< 1.4	NA
2,4-Dichlorophenol	92.7 (h)	< 2.2	< 1.7	NA
2,4-Dimethylphenol	NS	< 2.4	< 1.8	NA
2,4-Dinitrophenol	69.7 (h)	< 1.3	< 0.98	NA
2,4-Dinitrotoluene	0.11 (hc)	< 1.2	< 0.95	NA
2,6-Dinitrotoluene	NS	< 0.8	< 0.61	NA
2-Chloronaphthalene	NS	< 1.4	< 1.1	NA
2-Chlorophenol	122	< 1.4	< 1	NA
2-Methylnaphthalene	NS	< 0.59	< 0.45	NA
2-Methylphenol	NS	< 2	< 1.5	NA
2-Nitroaniline	NS	< 0.95	< 0.73	NA
2-Nitrophenol	NS	< 2.6	< 2	NA
3&4-Methylphenol	NS	< 1.8	< 1.4	NA
3,3'-Dichlorobenzidine	0.0386 (hc)	< 1.8	< 1.3	NA
3-Nitroaniline	NS	< 1.8	< 1.4	NA
4,6-Dinitro-2-methylphenol	13.4 (h)	< 1	< 0.79	NA
4-Bromophenyl phenyl ether	NS	< 0.43	< 0.33	NA
4-Chloro-3-Methylphenol	NS	< 1.7	< 1.3	NA
4-Chloroaniline	NS	< 0.57	< 0.44	NA
4-Chlorophenyl phenyl ether	NS	< 0.62	< 0.47	NA
4-Nitroaniline	NS	< 1	< 0.79	NA
4-Nitrophenol	NS	< 1.2	< 0.93	NA
Acetophenone	NS	< 0.54	< 0.41	NA
Atrazine	NS	< 0.23	< 0.18	NA
Benzaldehyde	NS	< 0.38	< 0.29	NA
Benzyl butyl phthalate	239 (h)	< 0.85	< 0.65	NA
bis(2-Chloroethoxy)methane	NS	< 0.94	< 0.72	NA
bis(2-Chloroethyl)ether	0.0311 (hc)	< 0.76	< 0.58	NA
bis(2-Chloroisopropyl)ether	1250 (h)	< 1.1	< 0.81	NA
bis(2-Ethylhexyl)phthalate	1.76 (hc)	< 0.95	< 0.73	NA
Caprolactam	NS	< 0.45	< 0.35	NA
Carbazole	NS	< 0.52	< 0.4	NA
Dibenzofuran	NS	< 0.49	< 0.38	NA
Diethyl phthalate	21,200 (h)	< 0.56	< 0.43	NA
Dimethyl phthalate	313,000 (h)	< 0.47	< 0.36	NA
di-n-butyl phthalate	3,530 (h)	< 0.85	< 0.65	NA
di-n-octylphthalate	NS	< 0.82	< 0.63	NA
Hexachlorobutadiene	6.94 (h)	< 0.25	< 0.19	NA
Hexachlorocyclopentadiene	245 (h)	< 0.59	< 0.45	NA

Table 17: Summary of September 2007 Surface Water Analytical Results, Ringwood, New Jersey.

Sample Name		SW-PAB-05	SW-PAB-06	TRIP BLANK (J72606)
Sample Date	Surface Water	9/26/2007	9/26/2007	9/26/2007
Validation Status	Criteria [(1)]	Final	Final	Final
Footnotes on Page 4.				
Hexachloroethane	2.73 (h)	< 0.41	< 0.31	NA
Isophrone	552 (h)	< 0.85	< 0.65	NA
Nitrobenzene	16 (h)	< 0.6	< 0.46	NA
N-Nitroso-di-n-Propylamine	NS	< 0.67	< 0.51	NA
N-Nitrosodiphenylamine	4.95 (h)	< 0.74	< 0.57	NA
Phenol	20,900 (h)	< 0.71	< 0.55	NA
Total TIC, Semi-Volatile	NS	0	0	NA
SVOC by SIM				
Acenaphthene	NS	< 0.025	< 0.019	NA
Acenaphthylene	NS	< 0.014	< 0.01	NA
Anthracene	9570 (h)	< 0.03	< 0.023	NA
Benzo(a)anthracene	0.0028 (hc)	< 0.0098	< 0.0075	NA
Benzo(a)pyrene	0.0028 (hc)	< 0.024	< 0.019	NA
Benzo(b)fluoranthene	0.0028 (hc)	< 0.052	< 0.04	NA
Benzo(g,h,i)perylene	NS	< 0.026	< 0.02	NA
Benzo(k)fluoranthene	0.0028 (hc)	< 0.023	< 0.017	NA
Chyrsene	0.0028 (hc)	< 0.024	< 0.018	NA
Dibenzo(a,h)anthracene	0.0028 (hc)	< 0.024	< 0.018	NA
Fluoranthene	310 (h)	< 0.013	< 0.0099	NA
Fluorene	1,340 (h)	< 0.029	< 0.022	NA
Hexachlorobenzene	0.000748 (hc)	< 0.029	< 0.022	NA
Indeno(1,2,3-cd)pyrene	0.0028 (hc)	< 0.016	< 0.012	NA
Naphthalene	NS	< 0.037	< 0.028	NA
Pentachlorophenol	0.282 (hc)	2.65 R	< 0.33 R	NA
Phenanthrene	NS	< 0.03	< 0.023	NA
Pyrene	797 (h)	< 0.02	< 0.015	NA
Metals - Total				
Aluminum	NS	209	29.1 B	NA
Antimony	12.2 (h)	< 0.9	< 0.9	NA
Arsenic	0.0170 (hc)	**1.6 B**	< 0.94	NA
Barium	2000 (h)	13.3 B	129 B	NA
Beryllium	NS	< 0.15	< 0.15	NA
Cadmium	10 (h)	< 0.24	< 0.24	NA
Calcium	NS	13900	17700 J	NA
Chromium	160 (h)	< 0.53	< 0.53	NA
Cobalt	NS	0.5 B	1.3 B	NA
Copper	NS	< 3.3	< 3.3	NA
Iron	NS	175	16400	NA
Lead	5 (h), 5.4 ('c), 38 (a)	< 0.94	< 0.94	NA
Magnesium	NS	4040 B	2850 B	NA
Manganese	100 (h)	56.5	**545**	NA
Mercury	0.144 (h)	< 0.15	< 0.15	NA
Nickel	516 (h)	0.8 B	0.8 BJ	NA
Potassium	NS	584 B	1290 B	NA
Selenium	10 (h)	0.8 B	< 0.73 J	NA
Silver	164 (h)	< 0.83	< 0.83	NA
Sodium	NS	4900 B	3070 B	NA
Vanadium		0.7 B	0.6 B	NA
Zinc	NS	5.8 B	5.5 B	NA
Thallium	1.70 (h)	0.5 B	< 0.48	NA

Footnotes on Page 4.

Table 17: Summary of September 2007 Surface Water Analytical Results, Ringwood, New Jersey.

Sample Name		SW-PAB-05	SW-PAB-06	TRIP BLANK (J72606)
Sample Date	Surface Water	9/26/2007	9/26/2007	9/26/2007
Validation Status	Criteria [(1)]	Final	Final	Final
Metals - Dissolved				
Aluminum	NS	< 26	28.5 B	NA
Antimony	12.2 (h)	< 0.9	< 0.9	NA
Barium	2000 (h)	11.3 B	123 B	NA
Beryllium	NS	< 0.15	< 0.15	NA
Cadmium	10 (h)	< 0.24	< 0.24	NA
Calcium	NS	13100	17900 J	NA
Chromium	160 (h)	< 0.53	< 0.53	NA
Cobalt	NS	0.5 B	1.1 B	NA
Copper	NS	< 3.3	< 3.3	NA
Iron	NS	9.9 B	9050	NA
Lead	5 (h), 5.4 ('c), 38 (a)	< 0.94	< 0.94	NA
Magnesium	NS	3810 B	2870 B	NA
Manganese	100 (h)	20.2	**539**	NA
Mercury	0.144 (h)	< 0.15	< 0.15	NA
Nickel	516 (h)	< 0.73	1 BJ	NA
Potassium	NS	565 B	1260 B	NA
Selenium	10 (h)	< 0.73	0.9 BJ	NA
Silver	164 (h)	< 0.83	< 0.83	NA
Sodium	NS	4700 B	3030 B	NA
Vanadium	NS	0.7 B	< 0.49	NA
Zinc	NS	3.2 B	4.8 B	NA
Arsenic	0.0170 (hc)	< 0.94	< 0.94	NA
Thallium	1.70 (h)	< 0.48	< 0.48	NA
Other (mg/L)				
Alkalinity, total (as CaCO3)	NS	53	71	NA
Cyanide	.0052	< 0.01	< 0.01	NA
Nitrogen, Nitrate & Nitrite	NS	< 0.1 J	< 0.1 J	NA
Chloride	230	< 2	< 2	NA
Nitrate	10	< 0.11	< 0.11	NA
Nitrogen, Nitrite	NS	< 0.01	< 0.01	NA
Sulfate	NS	< 10 J	< 10 J	NA

Results are reported in micrograms per liter (ug/L), unless otherwise noted.

(1) New Jersey Department of Environmental Protection Surface Water Quality Standards J.J.A.C. 7:9B for a FW-2-TM surface water.

Bold/Underline value is above the threshold criteria value (or outside the criteria range for pH).

B	Organic: Analyte was detected in an associated blank.
B	Inorganic: Result is between the detection limit and quantification limit.
J	Estimated result.
R	Rejected result.
mg/L	Milligrams per liter.
NA	Not analyzed.
PCBs	Polychlorinated biphenyls.
SVOCs	Semi-volatile organic compounds.
VOCs	Volatile organic compounds.

Criteria footnotes:

a	Criterion represents acute aquatic life protection criteria as a one-hour average (six-hour for lead).
c	Criterion represents chronic aquatic life protection criteria as a four-day average.
h	Criterion represents noncarcinogenic effect-based human health criteria as a 30-day average.
hc	Criterion represents carcinogenic effect-based human health criteria as a 70-year average.
hcc	Toxic substance considered to be a possible human carcinoge as a 70-year average.
NS	No standard.

Location ID			SR-3_Area	SR-3_Area	SW-MRB-00	SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-PAB-00	SW-PAB-01	SW-PAB-01	SW-PAB-01A	SW-PAB-02
Sample ID		**SWQS[1]**	**SR-3 SEEP 1(060611)**	**SR-3 POND**	**SW-MRB-00**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**SW-PAB-00**	**SW-PAB-01**	**BD(061311)**	**SW-PAB-01A**	**SW-PAB-02**
Sample Date			**6/6/2011**	**6/7/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/9/2011**	**6/7/2011**	**6/10/2011**	**6/13/2011**	**6/13/2011**	**6/10/2011**	**6/9/2011**
Validation Status	**Units**		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
VOCs															
1,1,1-Trichloroethane	ug/l	120	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	4.7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	ug/l	13	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
1,1-Dichloroethene	ug/l	4.7	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	ug/l	21	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromoethane	ug/l	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dichlorobenzene	ug/l	2000	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/l	0.29	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloropropane	ug/l	0.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
1,3-Dichlorobenzene	ug/l	2200	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,4-Dichlorobenzene	ug/l	550	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
2-Butanone (MEK)	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9 J	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
2-Hexanone	ug/l	NS	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Acetone	ug/l	NS	< 7.6 J	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
Benzene	ug/l	0.15	**0.48 J**	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*
Bromodichloromethane	ug/l	0.55	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromoform	ug/l	4.3	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromomethane	ug/l	47	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Carbon tetrachloride	ug/l	0.33	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	ug/l	210	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	ug/l	68	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/l	NS	< 0.22 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,2-Dichloroethene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	0.34	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	ug/l	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	ug/l	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 J	< 0.31 J	< 0.31	< 0.31
Ethylbenzene	ug/l	530	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Isopropylbenzene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	ug/l	2.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Tetrachloroethene	ug/l	0.34	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Toluene	ug/l	1300	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	ug/l	590	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
trans-1,3-Dichloropropene	ug/l	0.34	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichlorofluoromethane	ug/l	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	ug/l	0.082	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*
Xylenes	ug/l	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	0	0	0	0	0	0	0

Location ID			SR-3_Area	SR-3_Area	SW-MRB-00	SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-PAB-00	SW-PAB-01	SW-PAB-01	SW-PAB-01A	SW-PAB-02
Sample ID		**SWQS[1]**	**SR-3 SEEP 1(060611)**	**SR-3 POND**	**SW-MRB-00**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**SW-PAB-00**	**SW-PAB-01**	**BD(061311)**	**SW-PAB-01A**	**SW-PAB-02**
Sample Date			**6/6/2011**	**6/7/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/9/2011**	**6/7/2011**	**6/10/2011**	**6/13/2011**	**6/13/2011**	**6/10/2011**	**6/9/2011**
Validation Status	**Units**		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs															
1,1'-Biphenyl	ug/l	NS	< 0.45	< 0.46	< 0.43	< 0.5	< 0.47	< 0.47	< 0.45	< 0.48	< 0.43	< 0.47	< 0.46	< 0.42	< 0.46
2,4,5-Trichlorophenol	ug/l	1800	< 1.4	< 1.5	< 1.4	< 1.6	< 1.5	< 1.5	< 1.4	< 1.5	< 1.3	< 1.5	< 1.4	< 1.3	< 1.4
2,4,6-Trichlorophenol	ug/l	0.58	< 1.3*	< 1.3*	< 1.3*	< 1.4*	< 1.4*	< 1.4*	< 1.3*	< 1.4*	< 1.2*	< 1.4*	< 1.3*	< 1.2*	< 1.3*
2,4-Dichlorophenol	ug/l	77	< 1.3	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.3	< 1.4	< 1.2	< 1.4	< 1.3	< 1.2	< 1.3
2,4-Dimethylphenol	ug/l	380	< 1.7	< 1.8	< 1.7	< 1.9	< 1.8	< 1.8	< 1.8	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 1.8
2,4-Dinitrophenol	ug/l	69	< 0.78	< 0.81	< 0.76	< 0.87	< 0.82	< 0.82	< 0.79	< 0.84	< 0.75	< 0.82 J	< 0.8 J	< 0.74	< 0.8
2,4-Dinitrotoluene	ug/l	0.11	< 0.23*	< 0.24*	< 0.23*	< 0.26*	< 0.24*	< 0.24*	< 0.24*	< 0.25*	< 0.22*	< 0.24*	< 0.24*	< 0.22*	< 0.24*
2,6-Dinitrotoluene	ug/l	NS	< 0.34	< 0.36	< 0.34	< 0.38	< 0.36	< 0.36	< 0.35	< 0.37	< 0.33	< 0.36	< 0.35	< 0.33	< 0.35
2-Chloronaphthalene	ug/l	1000	< 0.44	< 0.46	< 0.43	< 0.49	< 0.46	< 0.46	< 0.45	< 0.47	< 0.42	< 0.46	< 0.45	< 0.42	< 0.45
2-Chlorophenol	ug/l	81	< 1.1	< 1.2	< 1.1	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2
2-Methylnaphthalene	ug/l	NS	< 0.7	< 0.72	< 0.68	< 0.77	< 0.73	< 0.73	< 0.71	< 0.75	< 0.67	< 0.73	< 0.72	< 0.66	< 0.72
2-Methylphenol	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.3	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2
2-Nitroaniline	ug/l	NS	< 0.25	< 0.26	< 0.24	< 0.28	< 0.26	< 0.26	< 0.25	< 0.27	< 0.24	< 0.26	< 0.26	< 0.24	< 0.26
2-Nitrophenol	ug/l	NS	< 1.3	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3	< 1.2	< 1.3
3&4-Methylphenol	ug/l	NS	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1	< 1.1
3,3'-Dichlorobenzidine	ug/l	0.021	< 0.31*	< 0.32*	< 0.3*	< 0.35*	< 0.33*	< 0.33*	< 0.32*	< 0.34*	< 0.3*	< 0.33*	< 0.32*	< 0.3*	< 0.32*
3-Nitroaniline	ug/l	NS	< 0.3	< 0.32	< 0.3	< 0.34	< 0.32	< 0.32	< 0.31	< 0.33	< 0.29	< 0.32	< 0.31	< 0.29	< 0.31
4,6-Dinitro-2-methylphenol	ug/l	13	< 0.54	< 0.56	< 0.53	< 0.6	< 0.57	< 0.57	< 0.55	< 0.58	< 0.52	< 0.57	< 0.56	< 0.51	< 0.56
4-Bromophenyl phenyl ether	ug/l	NS	< 0.37	< 0.38	< 0.36	< 0.41	< 0.39	< 0.39	< 0.38	< 0.4	< 0.36	< 0.39	< 0.38	< 0.35	< 0.38
4-Chloro-3-Methylphenol	ug/l	NS	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1
4-Chloroaniline	ug/l	NS	< 0.27	< 0.28	< 0.26	< 0.3	< 0.28	< 0.28	< 0.27	< 0.29	< 0.26	< 0.28	< 0.28	< 0.25	< 0.28
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.37	< 0.39	< 0.36	< 0.42	< 0.39	< 0.39	< 0.38	< 0.4	< 0.36	< 0.39	< 0.38	< 0.35	< 0.38
4-Nitroaniline	ug/l	NS	< 0.19	< 0.2	< 0.18	< 0.21	< 0.2	< 0.2	< 0.19	< 0.2	< 0.18	< 0.2	< 0.19	< 0.18	< 0.19
4-Nitrophenol	ug/l	NS	< 0.88	< 0.91	< 0.85	< 0.97	< 0.92	< 0.92	< 0.89	< 0.94	< 0.84	< 0.92	< 0.9	< 0.83	< 0.9
Acetophenone	ug/l	NS	< 0.42	< 0.44	< 0.41	< 0.47	< 0.44	< 0.44	< 0.43	< 0.45	< 0.41	< 0.44	< 0.43	< 0.4	< 0.43
Atrazine	ug/l	NS	< 0.41	< 0.43	< 0.4	< 0.46	< 0.43	< 0.43	< 0.42	< 0.44	< 0.4	< 0.43	< 0.43	< 0.39	< 0.43
Benzaldehyde	ug/l	NS	< 0.43	< 0.44	< 0.42	< 0.48	< 0.45	< 0.45	< 0.43	< 0.46	< 0.41	< 0.45	< 0.44	< 0.4	< 0.44
Benzyl butyl phthalate	ug/l	150	< 0.27	< 0.28	< 0.26	< 0.3	< 0.28	< 0.28	< 0.27	< 0.29	< 0.26	< 0.28	< 0.27	< 0.25	< 0.27
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.26	< 0.27	< 0.26	< 0.29	< 0.28	< 0.28	< 0.27	< 0.28	< 0.25	< 0.28	< 0.27	< 0.25	< 0.27
bis(2-Chloroethyl)ether	ug/l	0.03	< 0.33*	< 0.34*	< 0.32*	< 0.36*	< 0.34*	< 0.34*	< 0.33*	< 0.35*	< 0.32*	< 0.34*	< 0.34*	< 0.31*	< 0.34*
bis(2-Chloroisopropyl)ether	ug/l	1400	< 0.41	< 0.43	< 0.4	< 0.46	< 0.43	< 0.43	< 0.42	< 0.44	< 0.4	< 0.43	< 0.42	< 0.39	< 0.42
bis(2-Ethylhexyl)phthalate	ug/l	1.2	< 0.35	< 2.2	< 0.34	< 3.8	< 2.2	< 12.8	< 0.35	< 2.3	< 0.33	**9.3**	< 0.36	< 0.33	1.2 J
Caprolactam	ug/l	NS	< 0.21	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.22	< 0.2	< 0.22	< 0.21	< 0.2	< 0.21
Carbazole	ug/l	NS	< 0.17	< 0.18	< 0.17	< 0.19	< 0.18	< 0.18	< 0.18	< 0.19	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18
Dibenzofuran	ug/l	NS	< 0.32	< 0.33	< 0.31	< 0.36	< 0.34	< 0.34	< 0.33	< 0.35	< 0.31	< 0.34	< 0.33	< 0.3	< 0.33
Diethyl phthalate	ug/l	17000	< 0.17	< 0.18	< 0.17	< 0.19	< 0.18	< 0.18	< 0.18	< 0.19	< 0.17	< 0.18	< 0.18	< 0.17	< 0.18
Dimethyl phthalate	ug/l	NS	< 0.24	< 0.25	< 0.23	< 0.26	< 0.25	< 0.25	< 0.24	< 0.26	< 0.23	< 0.25	< 0.24	< 0.23	< 0.24
di-n-butyl phthalate	ug/l	2000	< 0.2	< 0.21	< 0.2	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.19	< 0.21	< 0.21	< 0.19	< 0.21
di-n-octylphthalate	ug/l	NS	< 0.42	< 0.43	< 0.41	< 0.46	< 0.44	< 0.44	< 0.42	< 0.45	< 0.4	< 0.44	< 0.43	< 0.4	< 0.43
Hexachlorobutadiene	ug/l	0.44	< 0.13	< 0.14	< 0.13	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13	< 0.14
Hexachlorocyclopentadiene	ug/l	40	< 0.26	< 0.27	< 0.25	< 0.29	< 0.27	< 0.27	< 0.26	< 0.28	< 0.25	< 0.27 J	< 0.27 J	< 0.24	< 0.27
Hexachloroethane	ug/l	1.4	< 0.22	< 0.23	< 0.22	< 0.25	< 0.23	< 0.23	< 0.22	< 0.24	< 0.21	< 0.23	< 0.23	< 0.21	< 0.23
Isophrone	ug/l	35	< 0.26	< 0.27	< 0.26	< 0.29	< 0.28	< 0.28	< 0.27	< 0.28	< 0.25	< 0.28	< 0.27	< 0.25	< 0.27
Nitrobenzene	ug/l	17	< 0.27	< 0.28	< 0.26	< 0.3	< 0.28	< 0.28	< 0.27	< 0.29	< 0.26	< 0.28	< 0.28	< 0.25	< 0.28
N-Nitroso-di-n-Propylamine	ug/l	0.005	< 0.46*	< 0.48*	< 0.45*	< 0.52*	< 0.49*	< 0.49*	< 0.47*	< 0.5*	< 0.45*	< 0.49*	< 0.48*	< 0.44*	< 0.48*
N-Nitrosodiphenylamine	ug/l	3.3	< 0.23	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.23	< 0.24	< 0.22	< 0.24	< 0.23	< 0.22	< 0.23
Phenol	ug/l	10000	< 0.61	< 0.63	< 0.59	< 0.68	< 0.64	< 0.64	< 0.62	< 0.66	< 0.59	< 0.64	< 0.63	< 0.58	< 0.63
Total TIC, Semi-Volatile	ug/l	NS	0	0	0	0	0	0	14 J	0	0	0	0	0	0

Location ID			SR-3_Area	SR-3_Area	SW-MRB-00	SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-PAB-00	SW-PAB-01	SW-PAB-01	SW-PAB-01A	SW-PAB-02
Sample ID		**SWQS[1]**	**SR-3 SEEP 1(060611)**	**SR-3 POND**	**SW-MRB-00**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**SW-PAB-00**	**SW-PAB-01**	**BD(061311)**	**SW-PAB-01A**	**SW-PAB-02**
Sample Date			**6/6/2011**	**6/7/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/9/2011**	**6/7/2011**	**6/10/2011**	**6/13/2011**	**6/13/2011**	**6/10/2011**	**6/9/2011**
Validation Status	**Units**		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
SVOCs SIM															
Acenaphthene	ug/l	670	< 0.014	< 0.015	< 0.014	< 0.016	< 0.015	< 0.015	< 0.015	< 0.016	< 0.014	< 0.015	< 0.015	< 0.014	< 0.015
Acenaphthylene	ug/l	NS	< 0.017	< 0.018	< 0.017	< 0.019	< 0.018	< 0.018	< 0.017	< 0.018	< 0.016	< 0.018	< 0.018	< 0.016	< 0.018
Anthracene	ug/l	8300	< 0.011	< 0.011	< 0.01	< 0.012	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.01	< 0.011
Benzo(a)anthracene	ug/l	0.038	< 0.016	< 0.017	< 0.016	< 0.018	< 0.017	< 0.017	< 0.016	< 0.017	< 0.015	< 0.017	< 0.016	< 0.015	< 0.016
Benzo(a)pyrene	ug/l	0.0038	< 0.0052*	< 0.0054*	< 0.0051*	< 0.0058*	< 0.0054*	< 0.0054*	< 0.0053*	< 0.0056*	< 0.005*	< 0.0054*	< 0.0053*	< 0.0049*	< 0.0053*
Benzo(b)fluoranthene	ug/l	0.038	< 0.017	< 0.018	< 0.017	< 0.019	< 0.018	< 0.018	< 0.018	< 0.019	< 0.017	< 0.018	< 0.018	< 0.016	< 0.018
Benzo(g,h,i)perylene	ug/l	NS	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011
Benzo(k)fluoranthene	ug/l	0.38	< 0.013	< 0.014	< 0.013	< 0.015	< 0.014	< 0.014	< 0.013	< 0.014	< 0.013	< 0.014	< 0.014	< 0.013	< 0.014
Chrysene	ug/l	3.8	< 0.025	< 0.025	< 0.024	< 0.027	< 0.026	< 0.026	< 0.025	< 0.026	< 0.024	< 0.026	< 0.025	< 0.023	< 0.025
Dibenzo(a,h)anthracene	ug/l	0.0038	< 0.024*	< 0.025*	< 0.023*	< 0.026*	< 0.025*	< 0.025*	< 0.024*	< 0.026*	< 0.023*	< 0.025*	< 0.024*	< 0.023*	< 0.024*
Fluoranthene	ug/l	130	< 0.01	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.011	< 0.01	< 0.011	< 0.0098	< 0.011	< 0.01	< 0.0096	< 0.01
Fluorene	ug/l	1100	< 0.016	< 0.016	< 0.015	< 0.018	< 0.017	< 0.017	< 0.016	< 0.017	< 0.015	< 0.017	< 0.016	< 0.015	< 0.016
Hexachlorobenzene	ug/l	0.00028	< 0.0085*	< 0.0088*	< 0.0082*	< 0.0094*	< 0.0089*	< 0.0089*	< 0.0086*	< 0.0091*	< 0.0082*	< 0.0089*	< 0.0087*	< 0.008*	< 0.0087*
Indeno(1,2,3-cd)pyrene	ug/l	0.038	< 0.011	< 0.012	< 0.011	< 0.012	< 0.012	< 0.012	< 0.011	< 0.012	< 0.011	< 0.012	< 0.012	< 0.011	< 0.012
Naphthalene	ug/l	NS	< 0.017	< 0.018	< 0.017	< 0.019	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017	< 0.018	< 0.018	< 0.016	< 0.018
Pentachlorophenol	ug/l	0.27	< 0.3*	< 0.31*	< 0.29*	< 0.34*	< 0.32*	< 0.32*	< 0.31*	< 0.32*	< 0.29*	< 0.32*	< 0.31*	< 0.29*	< 0.31*
Phenanthrene	ug/l	NS	< 0.017	< 0.017	< 0.016	< 0.018	< 0.017	< 0.017	< 0.017	< 0.018	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017
Pyrene	ug/l	830	< 0.0086	< 0.0089	< 0.0084	< 0.0095	< 0.009	< 0.009	< 0.0087	< 0.0092	< 0.0083	< 0.009	< 0.0088	< 0.0081	< 0.0088
PCBs															
PCB 1016	ug/l	NS	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.14	< 0.15
PCB 1221	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.29	< 0.3	< 0.3	< 0.29	< 0.28	< 0.3	< 0.3	< 0.29	< 0.32
PCB 1232	ug/l	NS	< 0.43	< 0.42	< 0.43	< 0.42	< 0.41	< 0.42	< 0.43	< 0.41	< 0.4	< 0.43	< 0.43	< 0.42	< 0.46
PCB 1242	ug/l	NS	< 0.097	< 0.095	< 0.096	< 0.095	< 0.092	< 0.095	< 0.097	< 0.091	< 0.09	< 0.097	< 0.097	< 0.093	< 0.1
PCB 1248	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.16	< 0.16	< 0.17
PCB 1254	ug/l	NS	< 0.16	< 0.15	< 0.16	< 0.15	< 0.15	< 0.15	< 0.16	< 0.15	< 0.15	< 0.16	< 0.16	< 0.15	< 0.17
PCB 1260	ug/l	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.23	< 0.23	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.25
Total PCBs	ug/l	0.000064	0	0	0	0	0	0	0	0	0	0	0	0	0
Metals - Total															
Aluminum	ug/l	NS	57.9 B	< 200	< 200	< 200	< 200	< 200	291	232 J	< 200	< 200	< 200	< 200	173 B
Antimony	ug/l	5.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Arsenic	ug/l	0.017	< 0.92*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*	< 1*
Barium	ug/l	2000	127 B	78.5 B	8.5 J	10.8 J	13 J	9.8 J	12.5 B	7.9 J	7.8 J	34.3 B	37.5 B	34.7 B	52 B
Beryllium	ug/l	6	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.13	< 0.24	< 0.24	< 0.13	< 0.24
Cadmium	ug/l	3.4	< 3	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.3 B
Calcium	ug/l	NS	15000	25000	4040 B	6090	6920	8650	5710	5970	5260	7520	8130	9850	15300
Chromium	ug/l	92	1.4 J	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.4 B
Cobalt	ug/l	NS	< 0.3	< 50	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 50	0.4 B	< 0.3
Copper	ug/l	1300	1.9 J	< 0.85	< 10	< 10	< 10	< 10	4.5 B	< 10	< 10	< 10	2 J	< 0.85	2.5 B
Iron	ug/l	NS	21500	1390	265	1620	1660	1210	380	367 J	262	6310	6590	4160	5620
Lead	ug/l	5	1.6 J	1 B	< 3	< 3	< 3	< 0.94	2 B	< 3	1.5 B	< 3	< 3	1.8 B	< 0.94
Magnesium	ug/l	NS	2010 B	3760 B	1490 B	1970 B	2170 B	2830 B	2220 B	2450 B	1550 B	1670 B	1880 B	2100 B	2800 B
Manganese	ug/l	NS	477	748	13.9 J	59.3	498	189	27.1	27.4 J	20.4	169	187	323	538
Mercury	ug/l	0.05	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*
Nickel	ug/l	500	1.4 B	< 10	< 10	< 10	< 10	< 10	2.7 B	< 10	2.8 B	2.8 J	2.5 J	1.6 B	3.2 B
Potassium	ug/l	NS	1210 B	847 B	470 B	565 B	381 B	454 B	506 B	558 B	386 B	638 J	651 J	701 B	1180 B
Selenium	ug/l	170	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Silver	ug/l	170	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	0.75 J	< 0.72	< 0.72
Sodium	ug/l	NS	2460 B	2920 B	2410 B	2640 B	6130 B	9540 B	2310 B	2380 B	2330 B	2310 B	2470 B	2640 B	4280 B
Thallium	ug/l	0.24	< 0.17	< 0.5*	< 0.5*	< 0.5*	< 0.5*	< 0.5*	0.031 B	< 0.5*	< 0.5*	< 0.5*	< 0.5*	< 0.5*	0.025 B
Vanadium	ug/l	NS	< 50	< 50	< 50	< 50	< 50	< 0.43	1.5 B	< 50	< 0.43	< 50	< 50	0.6 B	1.1 B
Zinc	ug/l	7400	< 20	3.2 B	< 20	11.9 J	< 20	< 1.7	5.1 B	< 20	7.2 B	5.8 J	7 J	5.1 B	8.6 B

Location ID			SR-3_Area	SR-3_Area	SW-MRB-00	SW-MRB-01	SW-MRB-02	SW-MRB-03	SW-NOB-01	SW-NOB-02	SW-PAB-00	SW-PAB-01	SW-PAB-01	SW-PAB-01A	SW-PAB-02
Sample ID		**SWQS[1]**	**SR-3 SEEP 1(060611)**	**SR-3 POND**	**SW-MRB-00**	**SW-MRB-01**	**SW-MRB-02**	**SW-MRB-03**	**SW-NOB-01**	**SW-NOB-02**	**SW-PAB-00**	**SW-PAB-01**	**BD(061311)**	**SW-PAB-01A**	**SW-PAB-02**
Sample Date			**6/6/2011**	**6/7/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/8/2011**	**6/9/2011**	**6/7/2011**	**6/10/2011**	**6/13/2011**	**6/13/2011**	**6/10/2011**	**6/9/2011**
Validation Status	**Units**		**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
Metals - Dissolved															
Aluminum	ug/l	NS	< 200	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ug/l	5.6	< 1.3	< 1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/l	0.017	< 0.92*	< 1*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	ug/l	2000	115 B	72.7 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/l	6	< 0.24	< 0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/l	3.4	< 3	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	ug/l	NS	15100	25400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/l	92	< 0.9	< 0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	< 0.3	< 0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	ug/l	1300	< 0.85	< 0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	ug/l	NS	2290	61.4 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	5	< 0.94	< 0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	2040 B	3810 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/l	NS	475	455	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ug/l	0.05	< 0.088*	< 0.088*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/l	500	1.4 B	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	ug/l	NS	1210 B	839 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/l	170	< 1.5	< 1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	ug/l	170	< 0.72	< 0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	ug/l	NS	2460 B	2940 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/l	0.24	< 0.17	< 0.5*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	< 0.43	< 0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/l	7400	26 J	4.7 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Alkalinity, total (as CaCO3)	ug/l	NS	55100	82100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BOD, 5 Day	ug/l	NS	NA	NA	< 3400	< 4400	4600	< 3400	< 4400	< 4400	< 3400	< 5000	< 5000	< 5000	< 6700
COD	ug/l	NS	NA	NA	< 20000	< 20000	< 20000	< 20000	< 20000 J	< 20000	< 20000	< 20000	< 20000	< 20000	< 20000
Chloride	ug/l	250000	< 2000	< 2000	< 2000	< 2000	6300	14000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	4200
Hardness, Total	ug/l	NS	NA	NA	36100	53200	38000	49400	20900	34200	22800	22500	22500	38000	55100
Nitrate	ug/l	10000	NA	NA	< 110	< 110	< 110	120	< 110	< 110	< 110	< 110	< 110	< 110	< 110
Nitrogen, Nitrate Nitrite	ug/l	NS	NA	NA	< 100	< 100	< 100	120	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Nitrogen, Nitrite	ug/l	NS	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
pH	SU	NS	NA	NA	5.73	5.74	6.11	6.1	6.25	6.45	6.07	5.77	6.39	5.97	8.51
Sulfate	ug/l	NS	< 10000	< 10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total organic carbon	ug/l	NS	NA	NA	2100	4100	4500	4500	2900	2400	4500	3900	3900	3100	2700
Total Dissolved Solids	ug/l	NS	NA	NA	38000	51000	59000	70000	53000	45000	52000	56000	67000	65000	76000

Location ID			SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB	FB	FB	FB	FB	FB	FB	TB	TB
Sample ID		SWQS[1]	SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB(060611)	FB(060711)	FB(060711) JA77895	FB(060811)	FB(060911)	FB(061011)	FB(061311)	TRIP BLANK(051111)	TB(060611)
Sample Date			6/9/2011	6/7/2011	6/9/2011	6/9/2011	6/6/2011	6/7/2011	6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011	5/11/2011	6/6/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs															
1,1,1-Trichloroethane	ug/l	120	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.26	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	4.7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	< 0.2
1,1,2-Trichloroethane	ug/l	13	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.29	< 0.19
1,1-Dichloroethene	ug/l	4.7	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.4	< 0.28
1,2,4-Trichlorobenzene	ug/l	21	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.56	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.1	< 1.3
1,2-Dibromoethane	ug/l	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.39	< 0.21
1,2-Dichlorobenzene	ug/l	2000	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.26	< 0.18
1,2-Dichloroethane	ug/l	0.29	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.33	< 0.18
1,2-Dichloropropane	ug/l	0.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.27	< 0.22
1,3-Dichlorobenzene	ug/l	2200	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.25	< 0.29
1,4-Dichlorobenzene	ug/l	550	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.28	< 0.26
2-Butanone (MEK)	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.6	< 2.9
2-Hexanone	ug/l	NS	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 1.4	< 3
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.86	< 1.2
Acetone	ug/l	NS	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6	< 2.9	< 7.6
Benzene	ug/l	0.15	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.23*	< 0.22*
Bromodichloromethane	ug/l	0.55	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.23
Bromoform	ug/l	4.3	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.23	< 0.24
Bromomethane	ug/l	47	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.3	< 0.31
Carbon disulfide	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.74	< 0.18
Carbon tetrachloride	ug/l	0.33	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.26	< 0.19
Chlorobenzene	ug/l	210	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.39	< 0.22
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	ug/l	68	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.23	< 0.21
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.29	< 0.22
cis-1,2-Dichloroethene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	0.34	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.25	< 0.22
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 1.9	< 0.29
Dibromochloromethane	ug/l	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.22	< 0.2
Dichlorodifluoromethane	ug/l	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 J	< 0.92	< 0.31
Ethylbenzene	ug/l	530	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.27	< 0.21
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49	< 0.38	< 0.49
Isopropylbenzene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.57	< 0.19
Methyl acetate	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 1.5	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.23	< 0.18
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.35	< 0.18
Methylene chloride	ug/l	2.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2
Styrene	ug/l	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.58	< 0.23
Tetrachloroethene	ug/l	0.34	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.27	< 0.32
Toluene	ug/l	1300	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.3	< 0.15
Trans-1,2-dichloroethene	ug/l	590	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.25	< 0.31
trans-1,3-Dichloropropene	ug/l	0.34	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.21	< 0.19
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.24	< 0.21
Trichlorofluoromethane	ug/l	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.54	< 0.35
Vinyl Chloride	ug/l	0.082	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.44*	< 0.27*
Xylenes	ug/l	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.25	< 0.17
Total TIC, Volatile	ug/l	NS	0	0	0	0	0	0	0	0	0	0	0	0	0

Location ID			SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB	FB	FB	FB	FB	FB	FB	TB	TB
Sample ID		SWQS[1]	SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB(060611)	FB(060711)	FB(060711) JA77895	FB(060811)	FB(060911)	FB(061011)	FB(061311)	TRIP BLANK(051111)	TB(060611)
Sample Date			6/9/2011	6/7/2011	6/9/2011	6/9/2011	6/6/2011	6/7/2011	6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011	5/11/2011	6/6/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs															
1,1'-Biphenyl	ug/l	NS	< 0.46	< 0.42	< 0.45	< 0.47	< 0.44	< 0.44	< 0.46	< 0.43	< 0.45	< 0.46	< 0.42	NA	NA
2,4,5-Trichlorophenol	ug/l	1800	< 1.5	< 1.3	< 1.4	< 1.5	< 1.4	< 1.4	< 1.4	< 1.3	< 1.4	< 1.4	< 1.3	NA	NA
2,4,6-Trichlorophenol	ug/l	0.58	< 1.3*	< 1.2*	< 1.3*	< 1.4*	< 1.3*	< 1.3*	< 1.3*	< 1.2*	< 1.3*	< 1.3*	< 1.2*	NA	NA
2,4-Dichlorophenol	ug/l	77	< 1.3	< 1.2	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.3	< 1.2	NA	NA
2,4-Dimethylphenol	ug/l	380	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	NA	NA
2,4-Dinitrophenol	ug/l	69	< 0.81	< 0.74	< 0.79	< 0.82	< 0.77	< 0.78	< 0.8	< 0.75	< 0.78	< 0.8	< 0.74 J	NA	NA
2,4-Dinitrotoluene	ug/l	0.11	< 0.24*	< 0.22*	< 0.24*	< 0.24*	< 0.23*	< 0.23*	< 0.24*	< 0.22*	< 0.23*	< 0.24*	< 0.22*	NA	NA
2,6-Dinitrotoluene	ug/l	NS	< 0.36	< 0.33	< 0.35	< 0.36	< 0.34	< 0.34	< 0.35	< 0.33	< 0.35	< 0.35	< 0.33	NA	NA
2-Chloronaphthalene	ug/l	1000	< 0.46	< 0.42	< 0.45	< 0.46	< 0.43	< 0.44	< 0.45	< 0.42	< 0.44	< 0.45	< 0.42	NA	NA
2-Chlorophenol	ug/l	81	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	NA	NA
2-Methylnaphthalene	ug/l	NS	< 0.72	< 0.66	< 0.71	< 0.73	< 0.69	< 0.69	< 0.72	< 0.67	< 0.7	< 0.72	< 0.66	NA	NA
2-Methylphenol	ug/l	NS	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	NA	NA
2-Nitroaniline	ug/l	NS	< 0.26	< 0.24	< 0.25	< 0.26	< 0.24	< 0.25	< 0.26	< 0.24	< 0.25	< 0.26	< 0.24	NA	NA
2-Nitrophenol	ug/l	NS	< 1.4	< 1.2	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	NA	NA
3&4-Methylphenol	ug/l	NS	< 1.1	< 1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1	NA	NA
3,3'-Dichlorobenzidine	ug/l	0.021	< 0.32*	< 0.3*	< 0.32*	< 0.33*	< 0.31*	< 0.31*	< 0.32*	< 0.3*	< 0.31*	< 0.32*	< 0.3*	NA	NA
3-Nitroaniline	ug/l	NS	< 0.32	< 0.29	< 0.31	< 0.32	< 0.3	< 0.3	< 0.31	< 0.29	< 0.31	< 0.31	< 0.29	NA	NA
4,6-Dinitro-2-methylphenol	ug/l	13	< 0.56	< 0.51	< 0.55	< 0.57	< 0.53	< 0.54	< 0.56	< 0.52	< 0.55	< 0.56	< 0.51	NA	NA
4-Bromophenyl phenyl ether	ug/l	NS	< 0.38	< 0.35	< 0.38	< 0.39	< 0.36	< 0.37	< 0.38	< 0.36	< 0.37	< 0.38	< 0.35	NA	NA
4-Chloro-3-Methylphenol	ug/l	NS	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	NA	NA
4-Chloroaniline	ug/l	NS	< 0.28	< 0.25	< 0.27	< 0.28	< 0.26	< 0.27	< 0.28	< 0.26	< 0.27	< 0.28	< 0.25	NA	NA
4-Chlorophenyl phenyl ether	ug/l	NS	< 0.39	< 0.35	< 0.38	< 0.39	< 0.37	< 0.37	< 0.38	< 0.36	< 0.38	< 0.38	< 0.35	NA	NA
4-Nitroaniline	ug/l	NS	< 0.2	< 0.18	< 0.19	< 0.2	< 0.19	< 0.19	< 0.19	< 0.18	< 0.19	< 0.19	< 0.18	NA	NA
4-Nitrophenol	ug/l	NS	< 0.91	< 0.83	< 0.89	< 0.92	< 0.86	< 0.87	< 0.9	< 0.84	< 0.88	< 0.9	< 0.83	NA	NA
Acetophenone	ug/l	NS	< 0.44	< 0.4	< 0.43	< 0.44	< 0.42	< 0.42	< 0.43	< 0.41	< 0.42	< 0.43	< 0.4	NA	NA
Atrazine	ug/l	NS	< 0.43	< 0.39	< 0.42	< 0.43	< 0.41	< 0.41	< 0.43	< 0.4	< 0.42	< 0.43	< 0.39	NA	NA
Benzaldehyde	ug/l	NS	< 0.44	< 0.4	< 0.43	< 0.45	< 0.42	< 0.43	< 0.44	< 0.41	< 0.43	< 0.44	< 0.4	NA	NA
Benzyl butyl phthalate	ug/l	150	< 0.28	< 0.25	< 0.27	< 0.28	< 0.26	< 0.26	< 0.27	< 0.26	< 0.27	< 0.27	< 0.25	NA	NA
bis(2-Chloroethoxy)methane	ug/l	NS	< 0.27	< 0.25	< 0.27	< 0.28	< 0.26	< 0.26	< 0.27	< 0.25	< 0.26	< 0.27	< 0.25	NA	NA
bis(2-Chloroethyl)ether	ug/l	0.03	< 0.34*	< 0.31*	< 0.33*	< 0.34*	< 0.32*	< 0.33*	< 0.34*	< 0.32*	< 0.33*	< 0.34*	< 0.31*	NA	NA
bis(2-Chloroisopropyl)ether	ug/l	1400	< 0.43	< 0.39	< 0.42	< 0.43	< 0.41	< 0.41	< 0.42	< 0.4	< 0.41	< 0.42	< 0.39	NA	NA
bis(2-Ethylhexyl)phthalate	ug/l	1.2	< 0.36	< 4.4	< 0.35	< 0.36	< 0.34	**10.9 B**	**26.8 B**	< 0.33	< 0.35	< 0.36	< 0.33	NA	NA
Caprolactam	ug/l	NS	< 0.21	< 0.2	< 0.21	< 0.22	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 0.21	< 0.2	NA	NA
Carbazole	ug/l	NS	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	NA	NA
Dibenzofuran	ug/l	NS	< 0.33	< 0.3	< 0.33	< 0.34	< 0.32	< 0.32	< 0.33	< 0.31	< 0.32	< 0.33	< 0.3	NA	NA
Diethyl phthalate	ug/l	17000	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	NA	NA
Dimethyl phthalate	ug/l	NS	< 0.25	< 0.23	< 0.24	< 0.25	< 0.23	< 0.24	< 0.24	< 0.23	< 0.24	< 0.24	< 0.23	NA	NA
di-n-butyl phthalate	ug/l	2000	< 0.21	< 0.19	< 0.21	< 0.21	< 0.2	< 0.2	< 0.21	< 0.19	< 0.2	< 0.21	< 0.19	NA	NA
di-n-octylphthalate	ug/l	NS	< 0.43	< 0.4	< 0.42	< 0.44	< 0.41	< 0.42	< 0.43	< 0.4	< 0.42	< 0.43	< 0.4	NA	NA
Hexachlorobutadiene	ug/l	0.44	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13	NA	NA
Hexachlorocyclopentadiene	ug/l	40	< 0.27	< 0.24	< 0.26	< 0.27	< 0.25	< 0.26	< 0.27	< 0.25	< 0.26	< 0.27	< 0.24 J	NA	NA
Hexachloroethane	ug/l	1.4	< 0.23	< 0.21	< 0.22	< 0.23	< 0.22	< 0.22	< 0.23	< 0.21	< 0.22	< 0.23	< 0.21	NA	NA
Isophrone	ug/l	35	< 0.27	< 0.25	< 0.27	< 0.28	< 0.26	< 0.26	< 0.27	< 0.25	< 0.26	< 0.27	< 0.25	NA	NA
Nitrobenzene	ug/l	17	< 0.28	< 0.25	< 0.27	< 0.28	< 0.26	< 0.27	< 0.28	< 0.26	< 0.27	< 0.28	< 0.25	NA	NA
N-Nitroso-di-n-Propylamine	ug/l	0.005	< 0.48*	< 0.44*	< 0.47*	< 0.49*	< 0.46*	< 0.46*	< 0.48*	< 0.45*	< 0.47*	< 0.48*	< 0.44*	NA	NA
N-Nitrosodiphenylamine	ug/l	3.3	< 0.24	< 0.22	< 0.23	< 0.24	< 0.22	< 0.23	< 0.23	< 0.22	< 0.23	< 0.23	< 0.22	NA	NA
Phenol	ug/l	10000	< 0.63	< 0.58	< 0.62	< 0.64	< 0.6	< 0.61	< 0.63	< 0.59	< 0.61	< 0.63	< 0.58	NA	NA
Total TIC, Semi-Volatile	ug/l	NS	0	0	0	0	0	0	0	487 JN	0	0	0	NA	NA

Location ID			SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB	FB	FB	FB	FB	FB	FB	TB	TB
Sample ID		SWQS[1]	SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB(060611)	FB(060711)	FB(060711) JA77895	FB(060811)	FB(060911)	FB(061011)	FB(061311)	TRIP BLANK(051111)	TB(060611)
Sample Date			6/9/2011	6/7/2011	6/9/2011	6/9/2011	6/6/2011	6/7/2011	6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011	5/11/2011	6/6/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs SIM															
Acenaphthene	ug/l	670	< 0.015	< 0.014	< 0.015	< 0.015	< 0.014	< 0.014	< 0.015	< 0.014	< 0.015	< 0.015	< 0.014	NA	NA
Acenaphthylene	ug/l	NS	< 0.018	< 0.016	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.016	< 0.017	< 0.018	< 0.016	NA	NA
Anthracene	ug/l	8300	< 0.011	< 0.01	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.01	< 0.011	< 0.011	< 0.01	NA	NA
Benzo(a)anthracene	ug/l	0.038	< 0.017	< 0.015	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	< 0.015	< 0.016	< 0.016	< 0.015	NA	NA
Benzo(a)pyrene	ug/l	0.0038	< 0.0054*	< 0.0049*	< 0.0053*	< 0.0054*	< 0.0051*	< 0.0052*	< 0.0053*	< 0.005*	< 0.0052*	< 0.0053*	< 0.0049*	NA	NA
Benzo(b)fluoranthene	ug/l	0.038	< 0.018	< 0.016	< 0.018	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.016	NA	NA
Benzo(g,h,i)perylene	ug/l	NS	< 0.011	< 0.01	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.01	NA	NA
Benzo(k)fluoranthene	ug/l	0.38	< 0.014	< 0.013	< 0.013	< 0.014	< 0.013	< 0.013	< 0.014	< 0.013	< 0.013	< 0.014	< 0.013	NA	NA
Chrysene	ug/l	3.8	< 0.025	< 0.023	< 0.025	< 0.026	< 0.024	< 0.024	< 0.025	< 0.024	< 0.025	< 0.025	< 0.023	NA	NA
Dibenzo(a,h)anthracene	ug/l	0.0038	< 0.025*	< 0.023*	< 0.024*	< 0.025*	< 0.023*	< 0.024*	< 0.024*	< 0.023*	< 0.024*	< 0.024*	< 0.023*	NA	NA
Fluoranthene	ug/l	130	< 0.011	< 0.0096	< 0.01	< 0.011	< 0.01	< 0.01	< 0.01	< 0.0098	< 0.01	< 0.01	< 0.0096	NA	NA
Fluorene	ug/l	1100	< 0.016	< 0.015	< 0.016	< 0.017	< 0.016	< 0.016	< 0.016	< 0.015	< 0.016	< 0.016	< 0.015	NA	NA
Hexachlorobenzene	ug/l	0.00028	< 0.0088*	< 0.008*	< 0.0086*	< 0.0089*	< 0.0083*	< 0.0084*	< 0.0087*	< 0.0082*	< 0.0085*	< 0.0087*	< 0.008*	NA	NA
Indeno(1,2,3-cd)pyrene	ug/l	0.038	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	NA	NA
Naphthalene	ug/l	NS	< 0.018	< 0.016	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.016	NA	NA
Pentachlorophenol	ug/l	0.27	< 0.31*	< 0.29*	< 0.31*	< 0.32*	< 0.3*	< 0.3*	< 0.31*	< 0.29*	< 0.3*	< 0.31*	< 0.29*	NA	NA
Phenanthrene	ug/l	NS	< 0.017	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017	< 0.017	< 0.016	< 0.017	< 0.017	< 0.016	NA	NA
Pyrene	ug/l	830	< 0.0089	< 0.0081	< 0.0087	< 0.009	< 0.0084	< 0.0085	< 0.0088	< 0.0083	< 0.0086	< 0.0088	< 0.0081	NA	NA
PCBs															
PCB 1016	ug/l	NS	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13	NA	NA
PCB 1221	ug/l	NS	< 0.3	< 0.29	< 0.3	< 0.3	< 0.29	< 0.29	< 0.3	< 0.28	< 0.3	< 0.3	< 0.27	NA	NA
PCB 1232	ug/l	NS	< 0.43	< 0.42	< 0.43	< 0.43	< 0.41	< 0.41	< 0.42	< 0.4	< 0.43	< 0.43	< 0.39	NA	NA
PCB 1242	ug/l	NS	< 0.096	< 0.093	< 0.096	< 0.097	< 0.091	< 0.091	< 0.095	< 0.09	< 0.096	< 0.096	< 0.086	NA	NA
PCB 1248	ug/l	NS	< 0.16	< 0.16	< 0.16	< 0.16	< 0.15	< 0.15	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15	NA	NA
PCB 1254	ug/l	NS	< 0.16	< 0.15	< 0.16	< 0.16	< 0.15	< 0.15	< 0.15	< 0.15	< 0.16	< 0.16	< 0.14	NA	NA
PCB 1260	ug/l	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.22	< 0.23	< 0.22	< 0.23	< 0.23	< 0.21	NA	NA
Total PCBs	ug/l	0.000064	0	0	0	0	0	0	0	0	0	0	0	NA	NA
Metals - Total															
Aluminum	ug/l	NS	226	< 200	66.2 B	95.2 B	< 7.2	< 7.2	8.8 B	< 7.2	< 7.2	119 B	< 7.2	NA	NA
Antimony	ug/l	5.6	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	NA	NA
Arsenic	ug/l	0.017	< 1*	< 1*	< 1*	< 1*	< 0.92*	**0.4 B**	**0.32 B**	**0.48 B**	**0.39 B**	**0.33 B**	**0.27 B**	NA	NA
Barium	ug/l	2000	45 B	20.8 J	61.6 B	15.2 B	< 0.44	< 0.44 J	< 0.44	< 0.44 J	< 0.44	0.5 B	1.2 B	NA	NA
Beryllium	ug/l	6	0.5 B	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	0.16 B	< 0.24	NA	NA
Cadmium	ug/l	3.4	0.2 B	< 0.17	< 0.17	< 0.17	0.4 B	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	NA	NA
Calcium	ug/l	NS	21700	15100	42000	41400	20.6 B	48 B	12.3 B	< 9	34.7 B	34.7 B	< 9	NA	NA
Chromium	ug/l	92	< 0.9	< 0.9	1.1 B	0.9 B	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	NA	NA
Cobalt	ug/l	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	NA	NA
Copper	ug/l	1300	2.3 B	< 10	1.1 B	1.8 B	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	0.9 B	< 0.85	NA	NA
Iron	ug/l	NS	2530	557	18700	790	< 7.7	47.1 B	< 7.7	< 7.7	12.7 B	12.4 B	< 7.7	NA	NA
Lead	ug/l	5	1.4 B	< 0.94	< 0.94	1 B	< 0.94	1.4 B	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94	NA	NA
Magnesium	ug/l	NS	4510 B	2970 B	7970	10500	< 17	< 17	< 17	< 17	33.4 B	< 17	< 17	NA	NA
Manganese	ug/l	NS	962	60.7	2880	197	0.5 B	0.3 B	< 0.18	< 0.18	0.8 B	0.3 B	< 0.18	NA	NA
Mercury	ug/l	0.05	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	< 0.088*	NA	NA
Nickel	ug/l	500	2.2 B	3.9 J	2.3 B	2.5 B	< 0.41	< 0.41	< 0.41	0.8 B	< 0.41	< 0.41	0.5 B	NA	NA
Potassium	ug/l	NS	598 B	615 B	8190 B	5370 B	< 16	< 16	< 16	< 16	< 16	< 16	65.2 B	NA	NA
Selenium	ug/l	170	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA	NA
Silver	ug/l	170	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.72	< 0.66	NA	NA
Sodium	ug/l	NS	5080 B	4370 B	35900	36200	46.8 B	30.7 B	23.3 B	< 14	< 14	114 B	< 14	NA	NA
Thallium	ug/l	0.24	0.047 B	< 0.5*	0.053 B	0.027 B	< 0.17	0.076 B	0.032 B	0.02 B	< 0.016	0.039 B	0.031 B	NA	NA
Vanadium	ug/l	NS	< 0.43	< 50	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	NA	NA
Zinc	ug/l	7400	2.6 B	< 20	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA	NA

Location ID			SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB	FB	FB	FB	FB	FB	FB	TB	TB
Sample ID		SWQS[1]	SW-PAB-03	SW-PAB-04	SW-PMB-01	SW-PMB-02	FB(060611)	FB(060711)	FB(060711) JA77895	FB(060811)	FB(060911)	FB(061011)	FB(061311)	TRIP BLANK(051111)	TB(060611)
Sample Date			6/9/2011	6/7/2011	6/9/2011	6/9/2011	6/6/2011	6/7/2011	6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011	5/11/2011	6/6/2011
Validation Status	Units		Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
Metals - Dissolved															
Aluminum	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ug/l	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	ug/l	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	ug/l	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	ug/l	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	ug/l	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	ug/l	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ug/l	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	ug/l	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ug/l	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	ug/l	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	ug/l	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	ug/l	7400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other															
Alkalinity, total (as CaCO3)	ug/l	NS	NA	NA	NA	NA	< 5000	NA	< 5000	NA	NA	NA	NA	NA	NA
BOD, 5 Day	ug/l	NS	4600	< 3400	28700	5900	NA	< 2000	NA	< 2000	< 2000	< 2000	< 2000	NA	NA
COD	ug/l	NS	< 20000	< 20000	< 20000	< 20000	NA	< 20000	NA	< 20000	< 20000	< 20000	< 20000	NA	NA
Chloride	ug/l	250000	3200	3200	55000	61200	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	NA	NA
Hardness, Total	ug/l	NS	70300	70300	131000	139000	NA	< 4000	NA	< 4000	< 4000	5700	< 4000	NA	NA
Nitrate	ug/l	10000	< 110	< 110	< 110	1500	NA	< 110	NA	< 110	< 110	< 110	< 110	NA	NA
Nitrogen, Nitrate Nitrite	ug/l	NS	< 100	< 100	< 100	1500	NA	< 100	NA	< 100	< 100	< 100	< 100	NA	NA
Nitrogen, Nitrite	ug/l	NS	< 10	< 10	< 10	< 10	NA	< 10	NA	< 10	< 10	< 10	< 10	NA	NA
pH	SU	NS	6.23	6.75	6.17	6.99	NA	5.69	NA	6.6	6.46	6.23	6.65	NA	NA
Sulfate	ug/l	NS	NA	NA	NA	NA	< 10000	NA	< 10000	NA	NA	NA	NA	NA	NA
Total organic carbon	ug/l	NS	3900	3000	8900	4200	NA	< 1000	NA	< 1000	< 1000	< 1000	< 1000	NA	NA
Total Dissolved Solids	ug/l	NS	92000	75000	256000	262000	NA	< 10000	NA	< 10000	< 10000	< 10000	< 10000	NA	NA

Location ID			TB	TB	TB	TB	TB
Sample ID		SWQS[1]	TB(060711) (JA77895)	TB(060711)	TB(060911)	TB(061011)	TB(061311)
Sample Date			6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011
Validation Status	Units		Final	Final	Final	Final	Final
VOCs							
1,1,1-Trichloroethane	ug/l	120	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/l	4.7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	ug/l	13	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
1,1-Dichloroethane	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
1,1-Dichloroethene	ug/l	4.7	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2,4-Trichlorobenzene	ug/l	21	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,2-Dibromo-3-Chloropropane (DBCP)	ug/l	NS	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
1,2-Dibromoethane	ug/l	NS	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dichlorobenzene	ug/l	2000	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloroethane	ug/l	0.29	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
1,2-Dichloropropane	ug/l	0.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
1,3-Dichlorobenzene	ug/l	2200	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,4-Dichlorobenzene	ug/l	550	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
2-Butanone (MEK)	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
2-Hexanone	ug/l	NS	< 3	< 3	< 3	< 3	< 3
4-methyl-2-pentanone (MIBK)	ug/l	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Acetone	ug/l	NS	< 7.6	< 7.6	< 7.6	< 7.6	< 7.6
Benzene	ug/l	0.15	< 0.22*	< 0.22*	< 0.22*	< 0.22*	< 0.22*
Bromodichloromethane	ug/l	0.55	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Bromoform	ug/l	4.3	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromomethane	ug/l	47	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Carbon disulfide	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Carbon tetrachloride	ug/l	0.33	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Chlorobenzene	ug/l	210	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Chloroethane	ug/l	NS	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Chloroform	ug/l	68	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Chloromethane	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,2-Dichloroethene	ug/l	NS	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
cis-1,3-Dichloropropene	ug/l	0.34	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Cyclohexane	ug/l	NS	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
Dibromochloromethane	ug/l	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorodifluoromethane	ug/l	NS	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31 J
Ethylbenzene	ug/l	530	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Freon 113	ug/l	NS	< 0.49	< 0.49	< 0.49	< 0.49	< 0.49
Isopropylbenzene	ug/l	NS	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Methyl acetate	ug/l	NS	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
Methyl tert butyl ether	ug/l	70	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylcyclohexane	ug/l	NS	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Methylene chloride	ug/l	2.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Styrene	ug/l	NS	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Tetrachloroethene	ug/l	0.34	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Toluene	ug/l	1300	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
Trans-1,2-dichloroethene	ug/l	590	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
trans-1,3-Dichloropropene	ug/l	0.34	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19
Trichloroethene	ug/l	1	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Trichlorofluoromethane	ug/l	NS	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Vinyl Chloride	ug/l	0.082	< 0.27*	< 0.27*	< 0.27*	< 0.27*	< 0.27*
Xylenes	ug/l	NS	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Total TIC, Volatile	ug/l	NS	0	0	0	0	0

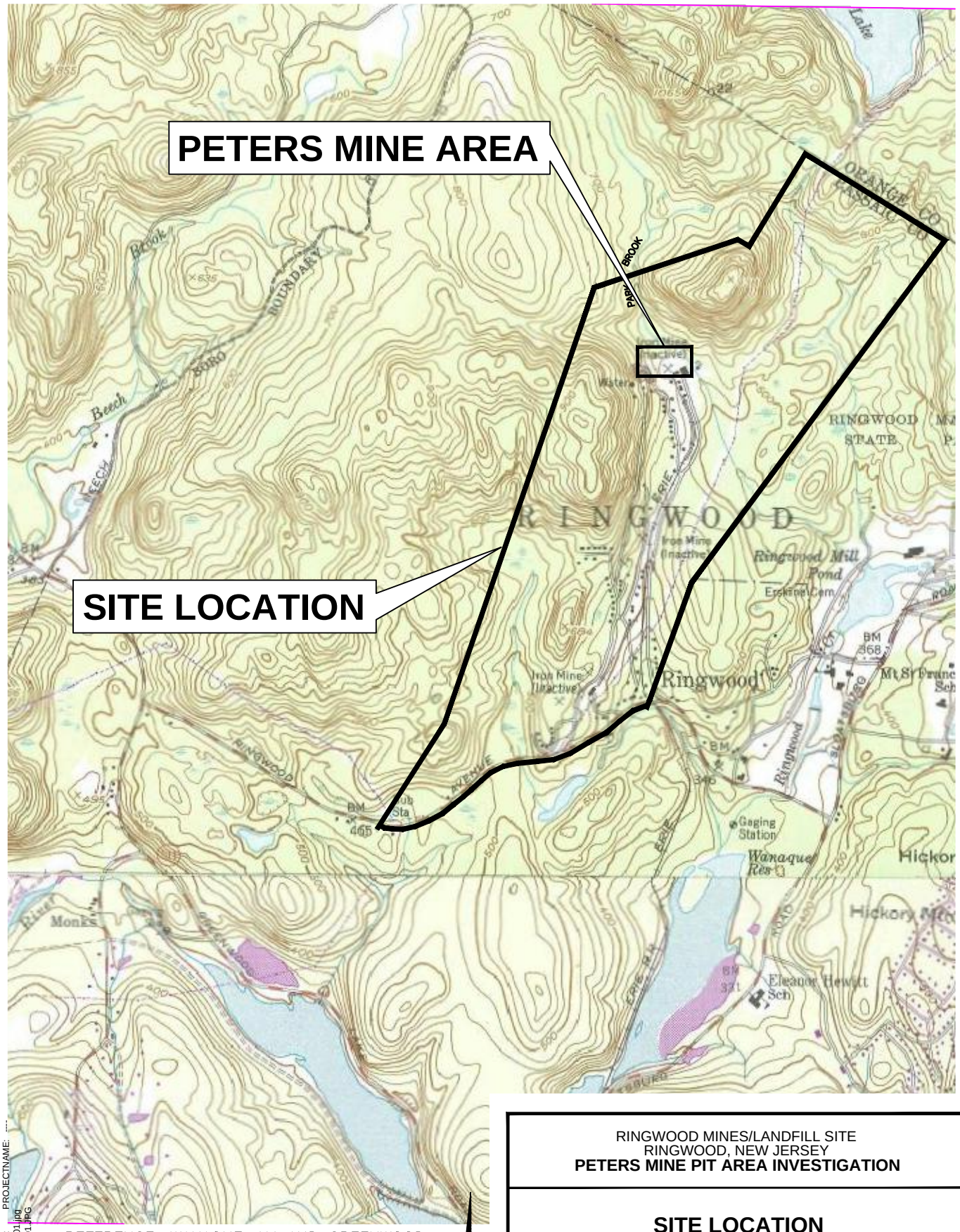
Location ID			TB	TB	TB	TB	TB
Sample ID		SWQS[1]	TB(060711) (JA77895)	TB(060711)	TB(060911)	TB(061011)	TB(061311)
Sample Date			6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011
Validation Status	Units		Final	Final	Final	Final	Final
SVOCs							
1,1'-Biphenyl	ug/l	NS	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ug/l	1800	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ug/l	0.58	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ug/l	77	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ug/l	380	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ug/l	69	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ug/l	0.11	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ug/l	NS	NA	NA	NA	NA	NA
2-Chloronaphthalene	ug/l	1000	NA	NA	NA	NA	NA
2-Chlorophenol	ug/l	81	NA	NA	NA	NA	NA
2-Methylnaphthalene	ug/l	NS	NA	NA	NA	NA	NA
2-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA
2-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA
2-Nitrophenol	ug/l	NS	NA	NA	NA	NA	NA
3&4-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ug/l	0.021	NA	NA	NA	NA	NA
3-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	ug/l	13	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ug/l	NS	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	ug/l	NS	NA	NA	NA	NA	NA
4-Chloroaniline	ug/l	NS	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ug/l	NS	NA	NA	NA	NA	NA
4-Nitroaniline	ug/l	NS	NA	NA	NA	NA	NA
4-Nitrophenol	ug/l	NS	NA	NA	NA	NA	NA
Acetophenone	ug/l	NS	NA	NA	NA	NA	NA
Atrazine	ug/l	NS	NA	NA	NA	NA	NA
Benzaldehyde	ug/l	NS	NA	NA	NA	NA	NA
Benzyl butyl phthalate	ug/l	150	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ug/l	NS	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ug/l	0.03	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	ug/l	1400	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/l	1.2	NA	NA	NA	NA	NA
Caprolactam	ug/l	NS	NA	NA	NA	NA	NA
Carbazole	ug/l	NS	NA	NA	NA	NA	NA
Dibenzofuran	ug/l	NS	NA	NA	NA	NA	NA
Diethyl phthalate	ug/l	17000	NA	NA	NA	NA	NA
Dimethyl phthalate	ug/l	NS	NA	NA	NA	NA	NA
di-n-butyl phthalate	ug/l	2000	NA	NA	NA	NA	NA
di-n-octylphthalate	ug/l	NS	NA	NA	NA	NA	NA
Hexachlorobutadiene	ug/l	0.44	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ug/l	40	NA	NA	NA	NA	NA
Hexachloroethane	ug/l	1.4	NA	NA	NA	NA	NA
Isophrone	ug/l	35	NA	NA	NA	NA	NA
Nitrobenzene	ug/l	17	NA	NA	NA	NA	NA
N-Nitroso-di-n-Propylamine	ug/l	0.005	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ug/l	3.3	NA	NA	NA	NA	NA
Phenol	ug/l	10000	NA	NA	NA	NA	NA
Total TIC, Semi-Volatile	ug/l	NS	NA	NA	NA	NA	NA

Location ID			TB	TB	TB	TB	TB
Sample ID		SWQS[1]	TB(060711) (JA77895)	TB(060711)	TB(060911)	TB(061011)	TB(061311)
Sample Date			6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011
Validation Status	Units		Final	Final	Final	Final	Final
SVOCs SIM							
Acenaphthene	ug/l	670	NA	NA	NA	NA	NA
Acenaphthylene	ug/l	NS	NA	NA	NA	NA	NA
Anthracene	ug/l	8300	NA	NA	NA	NA	NA
Benzo(a)anthracene	ug/l	0.038	NA	NA	NA	NA	NA
Benzo(a)pyrene	ug/l	0.0038	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ug/l	0.038	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ug/l	NS	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ug/l	0.38	NA	NA	NA	NA	NA
Chrysene	ug/l	3.8	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	ug/l	0.0038	NA	NA	NA	NA	NA
Fluoranthene	ug/l	130	NA	NA	NA	NA	NA
Fluorene	ug/l	1100	NA	NA	NA	NA	NA
Hexachlorobenzene	ug/l	0.00028	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/l	0.038	NA	NA	NA	NA	NA
Naphthalene	ug/l	NS	NA	NA	NA	NA	NA
Pentachlorophenol	ug/l	0.27	NA	NA	NA	NA	NA
Phenanthrene	ug/l	NS	NA	NA	NA	NA	NA
Pyrene	ug/l	830	NA	NA	NA	NA	NA
PCBs							
PCB 1016	ug/l	NS	NA	NA	NA	NA	NA
PCB 1221	ug/l	NS	NA	NA	NA	NA	NA
PCB 1232	ug/l	NS	NA	NA	NA	NA	NA
PCB 1242	ug/l	NS	NA	NA	NA	NA	NA
PCB 1248	ug/l	NS	NA	NA	NA	NA	NA
PCB 1254	ug/l	NS	NA	NA	NA	NA	NA
PCB 1260	ug/l	NS	NA	NA	NA	NA	NA
Total PCBs	ug/l	0.000064	NA	NA	NA	NA	NA
Metals - Total							
Aluminum	ug/l	NS	NA	NA	NA	NA	NA
Antimony	ug/l	5.6	NA	NA	NA	NA	NA
Arsenic	ug/l	0.017	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA
Beryllium	ug/l	6	NA	NA	NA	NA	NA
Cadmium	ug/l	3.4	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA
Chromium	ug/l	92	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA
Copper	ug/l	1300	NA	NA	NA	NA	NA
Iron	ug/l	NS	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA
Manganese	ug/l	NS	NA	NA	NA	NA	NA
Mercury	ug/l	0.05	NA	NA	NA	NA	NA
Nickel	ug/l	500	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA
Selenium	ug/l	170	NA	NA	NA	NA	NA
Silver	ug/l	170	NA	NA	NA	NA	NA
Sodium	ug/l	NS	NA	NA	NA	NA	NA
Thallium	ug/l	0.24	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA
Zinc	ug/l	7400	NA	NA	NA	NA	NA

Location ID			TB	TB	TB	TB	TB
Sample ID		SWQS[1]	TB(060711) (JA77895)	TB(060711)	TB(060911)	TB(061011)	TB(061311)
Sample Date			6/7/2011	6/8/2011	6/9/2011	6/10/2011	6/13/2011
Validation Status	Units		Final	Final	Final	Final	Final
Metals - Dissolved							
Aluminum	ug/l	NS	NA	NA	NA	NA	NA
Antimony	ug/l	5.6	NA	NA	NA	NA	NA
Arsenic	ug/l	0.017	NA	NA	NA	NA	NA
Barium	ug/l	2000	NA	NA	NA	NA	NA
Beryllium	ug/l	6	NA	NA	NA	NA	NA
Cadmium	ug/l	3.4	NA	NA	NA	NA	NA
Calcium	ug/l	NS	NA	NA	NA	NA	NA
Chromium	ug/l	92	NA	NA	NA	NA	NA
Cobalt	ug/l	NS	NA	NA	NA	NA	NA
Copper	ug/l	1300	NA	NA	NA	NA	NA
Iron	ug/l	NS	NA	NA	NA	NA	NA
Lead	ug/l	5	NA	NA	NA	NA	NA
Magnesium	ug/l	NS	NA	NA	NA	NA	NA
Manganese	ug/l	NS	NA	NA	NA	NA	NA
Mercury	ug/l	0.05	NA	NA	NA	NA	NA
Nickel	ug/l	500	NA	NA	NA	NA	NA
Potassium	ug/l	NS	NA	NA	NA	NA	NA
Selenium	ug/l	170	NA	NA	NA	NA	NA
Silver	ug/l	170	NA	NA	NA	NA	NA
Sodium	ug/l	NS	NA	NA	NA	NA	NA
Thallium	ug/l	0.24	NA	NA	NA	NA	NA
Vanadium	ug/l	NS	NA	NA	NA	NA	NA
Zinc	ug/l	7400	NA	NA	NA	NA	NA
Other							
Alkalinity, total (as CaCO3)	ug/l	NS	NA	NA	NA	NA	NA
BOD, 5 Day	ug/l	NS	NA	NA	NA	NA	NA
COD	ug/l	NS	NA	NA	NA	NA	NA
Chloride	ug/l	250000	NA	NA	NA	NA	NA
Hardness, Total	ug/l	NS	NA	NA	NA	NA	NA
Nitrate	ug/l	10000	NA	NA	NA	NA	NA
Nitrogen, Nitrate Nitrite	ug/l	NS	NA	NA	NA	NA	NA
Nitrogen, Nitrite	ug/l	NS	NA	NA	NA	NA	NA
pH	SU	NS	NA	NA	NA	NA	NA
Sulfate	ug/l	NS	NA	NA	NA	NA	NA
Total organic carbon	ug/l	NS	NA	NA	NA	NA	NA
Total Dissolved Solids	ug/l	NS	NA	NA	NA	NA	NA

Results are presented in microgram per liter (ug/L).

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Organic: analyte found in associated method blank.
B	Inorganic: estimated result is between the detection limit and quantification limit.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
PCBs	Polychlorinated biphenyls.
[1]	Surface Water Quality Standards , FW2 as specified in (N.J.A.C). 7:9B, Amended January 18, 2011
Bold	Value is above the Surface Water Quality Standard (SWQS)
*	Detection limit is above the SWQS standard.



REFERENCE: WANAQUE, NJ AND GREENWOOD LAKE, NY–NJ, USGS QUADRANGLE, 7.5 MINUTE SERIES, 1995 AND 1954.

0 2000
SCALE IN FEET

N

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

SITE LOCATION

ARCADIS

FIGURE
1

R2-0003553

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newtown\ACT\RETURN-TO\Fairfield-NJ\NJ0006040035\00014\2012-12\FIG 01 - SITE LOCATION MAP.dwg LAYOUT: 1 SAVED: 2/23/2012 7:56 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/23/2012 7:57 PM BY: WASILEWSKI, MATT
XREFS: IMAGES: 00604X01.jpg Ring0001.JPG PROJECTNAME: ----

Key: CITY:=office_location DIV/GROUP:=div_or_group DB:=drawn_by LD:=lead_drafter PIC:=Principal_in_Charge PM:=Project_Manager TM:=Task_Manager/Requestor LYR:=layer_settings(turn all on, then turn all REF off)
CITY: (MAHWAH) SYRACUSE, NY GROUP: ENVCAD DB: (J. G ONZALEZ), P. LISTER LD: (J. G ONZALEZ) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newtown\ACT\RETURN-TO\Fairfield-NJ\NJ000604\0035\000141\2012-12\FIG 02 - PETERS MINE PIT LOCATION.dwg LAYOUT: 2 SAVED: 2/22/2012 4:14 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/22/2012 4:27 PM BY: WASILEWSKI, MATT
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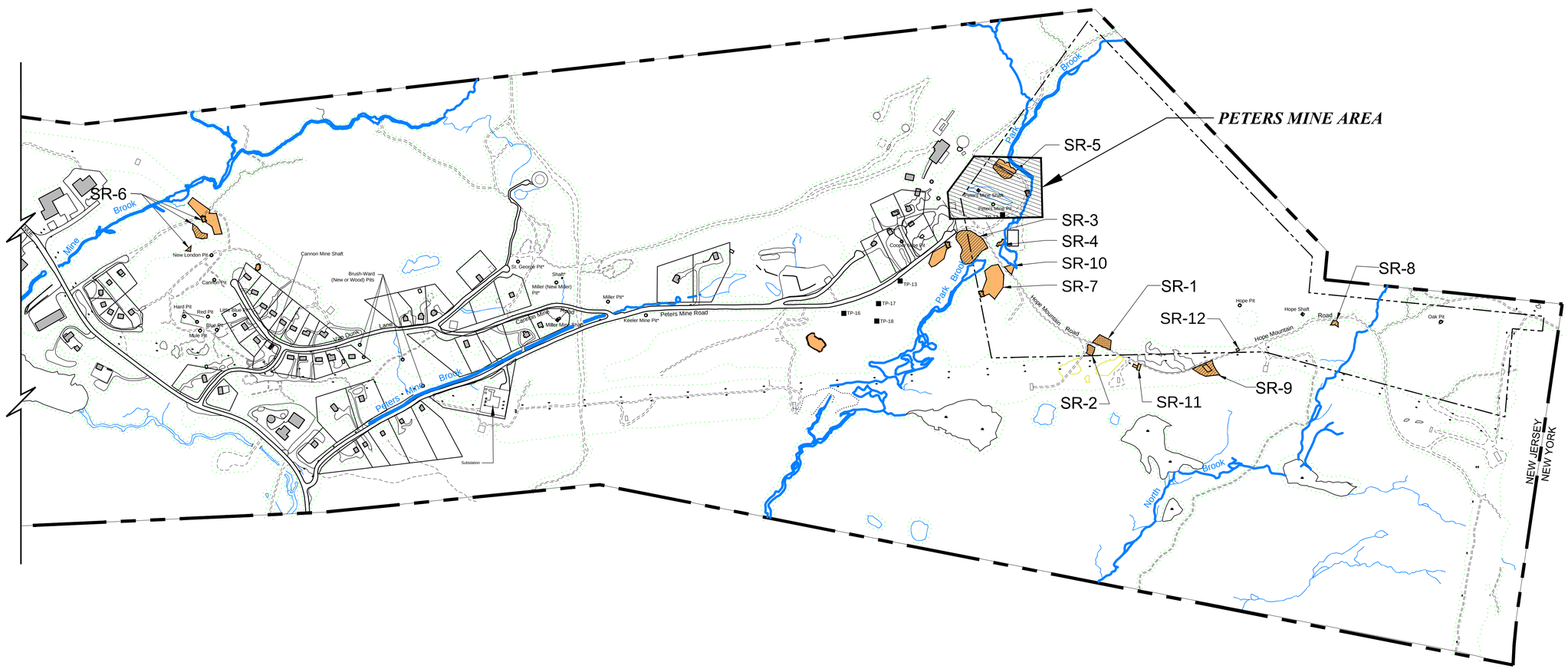


LEGEND

- TREELINE
- TRAILS
- ROADWAYS
- WATERWAYS, BROOKS
- RINGWOOD STATE PARK BOUNDARY
- BUILDINGS
- TRANSMISSION LINE TOWER
- UTILITY POLE
- FORMER TEST PIT LOCATION
- FORMER MINE PIT
- FORMER MINE SHAFT ENTRANCE
- PAINT SLUDGE REMOVAL AREA

0 400 800 1200
SCALE IN FEET

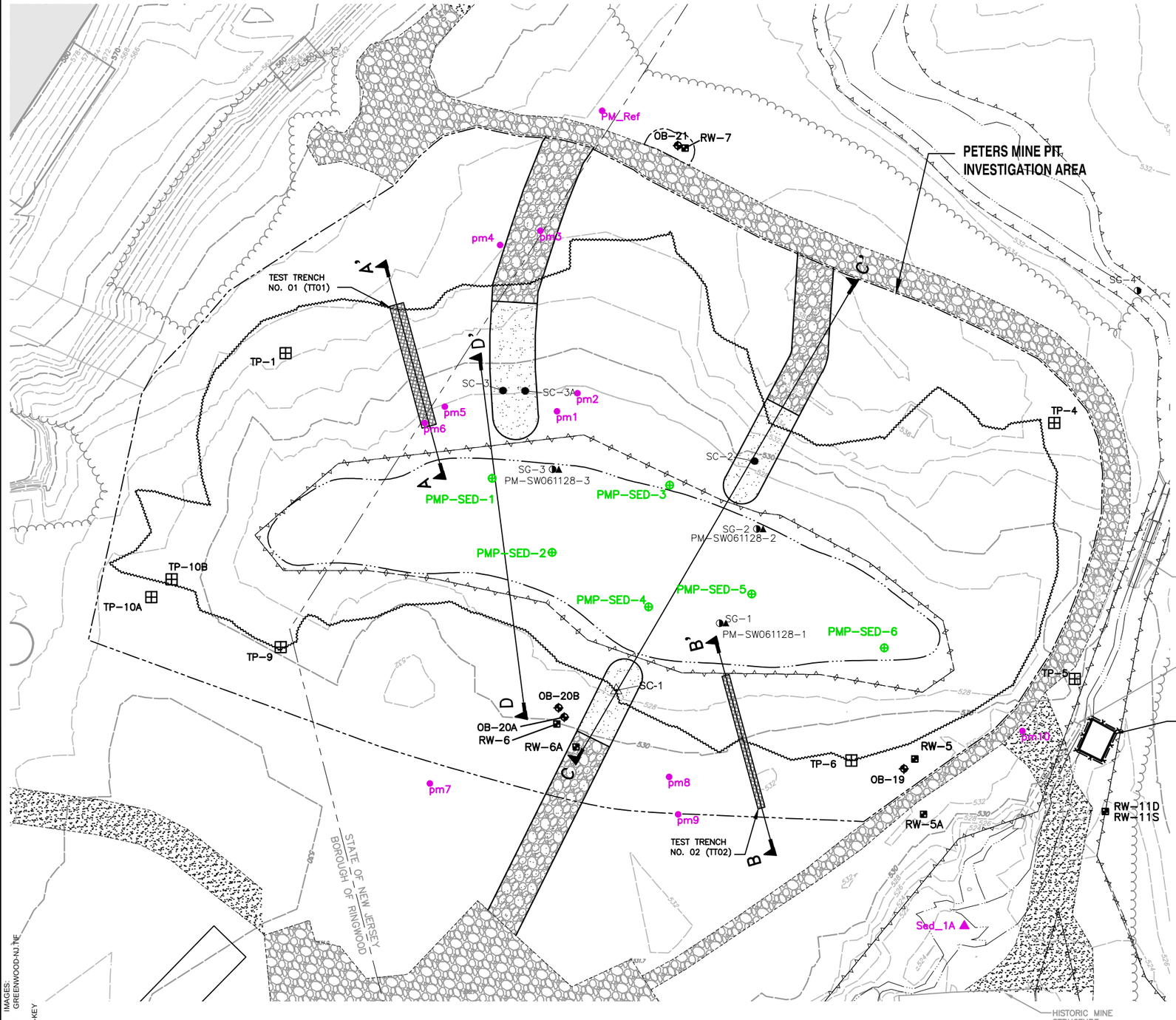
RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

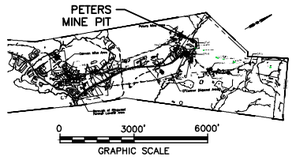
PETERS MINE PIT LOCATION

ARCADIS

FIGURE
2

R2-0003554





LEGEND:

- EXISTING CONTOUR
- ESTIMATED EXTENT OF HISTORIC FILL
- EXISTING SPOT ELEVATION
- LIMITS OF PETERS MINE PIT INVESTIGATION AREA
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- PROPERTY BOUNDARY
- TREE LINE
- WETLAND BOUNDARY BY TRIDENT
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- TEST TRENCH LOCATION
- PMP-SED-1 — 2011 SEDIMENT SAMPLING LOCATIONS
- PM-SW061128-1 — HISTORICAL SURFACE WATER SAMPLE LOCATION
- pm8 — EPA SOIL SAMPLE
- Sed_1A — EPA SEDIMENT SAMPLE
- SC-2 — SOIL BORING
- OB-19 — OVERBURDEN MONITORING WELL
- SG-1 — STAFF GAUGE
- RW-5 — BEDROCK MONITORING WELL
- TP-6 — INVESTIGATION TEST PIT
- SC-1 — DIRECTIONAL MONITORING WELL
- 601 — BLOCK
- 12 — LOT
- DRILLING PAD
- A — A' — CROSS-SECTION CALLOUT

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. EXTENT OF HISTORIC FILL ESTIMATED FROM 1961 AND 1974 COMPARISON FIGURE.

0 30' 60'
GRAPHIC SCALE

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

PMP AREA SAMPLE LOCATION MAP

ARCADIS

FIGURE
3

R2-0003555

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newton\ACTIVE\RTN-TO\Fairfield-NJ\NJ000604\0035\00014\2012-12\FIG 03 -PMP SAMPLE LOCATION MAP.dwg LAYOUT: 3 SAVED: 2/22/2012 4:43 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/22/2012 4:46 PM BY: WASILEWSKI, MATT
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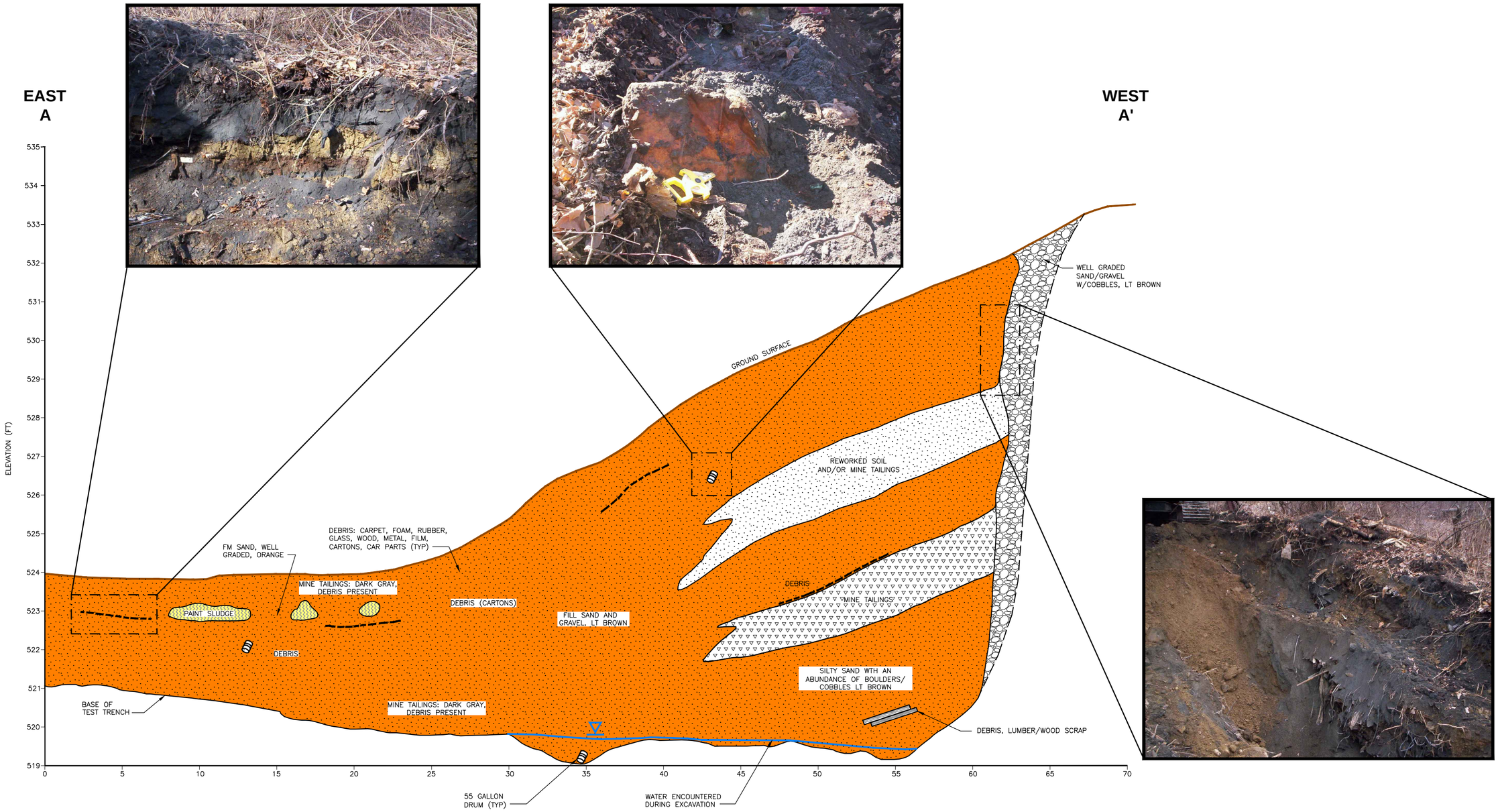
BASEMAP-KEY



CROSS-SECTION OF TT-01 AREA

0 2
VERTICAL SCALE IN FEET

0 5
HORIZONTAL SCALE IN FEET

LEGEND:

- 55 GALLON DRUM
- PLASTIC SHEETING
- GROUND SURFACE
- WATER ENCOUNTERED
- FILL (REWORKED SOIL AND/OR MINE TAILINGS)
- MINE TAILINGS (GRAVEL, SAND & SILT SIZED ROCK FROM ORE PROCESSING AND MILLING)
- MINE WASTE ROCK (ANGULAR, BROKEN ROCK FROM MINING ACTIVITIES)
- NATIVE SOIL (SAND, SILT, CLAY AND GRAVEL MIXTURES)
- NATIVE SOIL (COBBLES AND BOULDERS)
- DEBRIS: CARPET, FOAM, RUBBER, GLASS, WOOD, METAL, FILM, CARTONS, CAR PARTS
- PAINT SLUDGE

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

CROSS SECTIONAL DIAGRAM OF TEST TRENCH TT-1

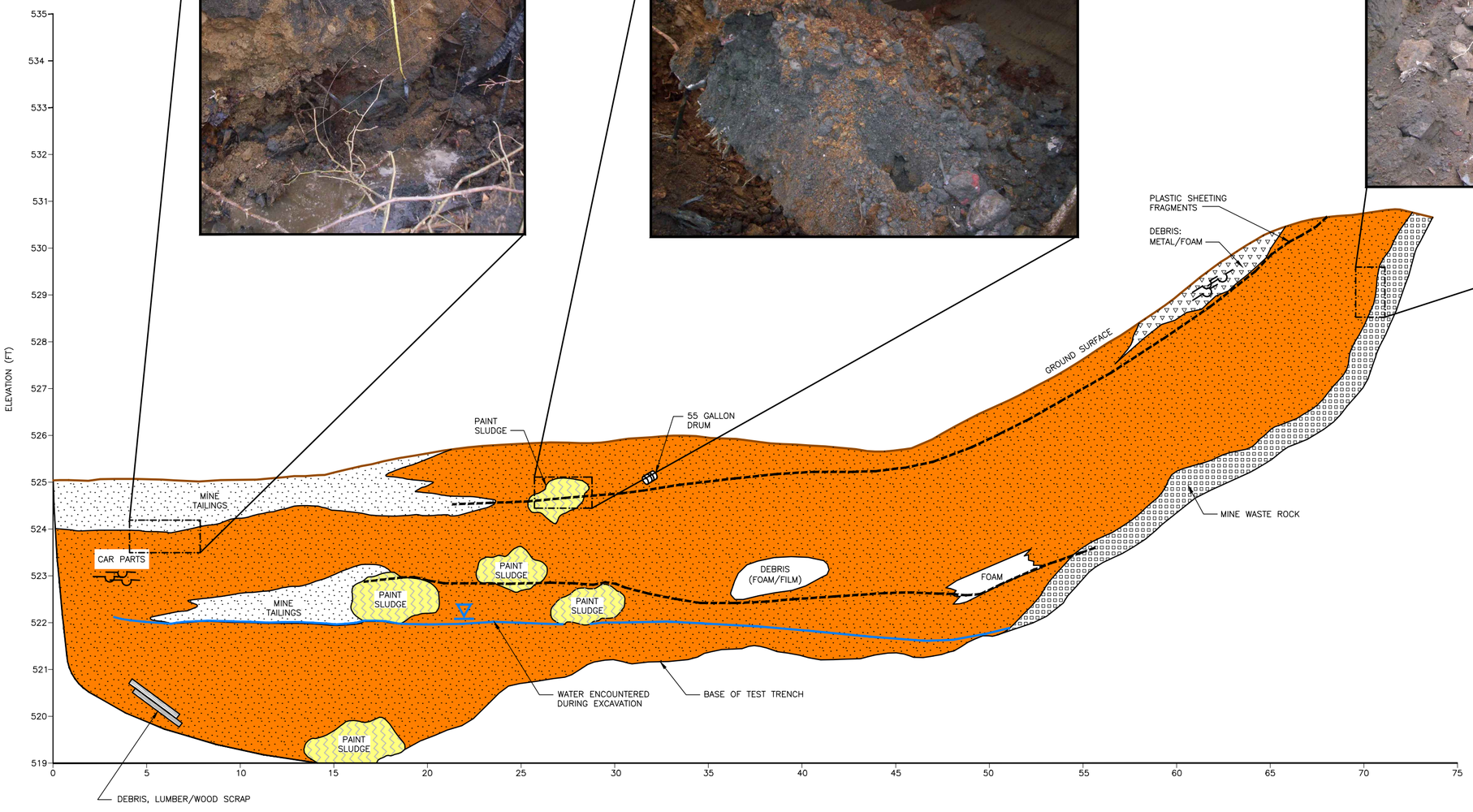
ARCADIS

FIGURE
4

R2-0003556

WEST
B

EAST
B'



CROSS-SECTION OF TT-02 AREA

0 2
VERTICAL SCALE IN FEET

0 5
HORIZONTAL SCALE IN FEET

LEGEND:

- 55 GALLON DRUM
- PLASTIC SHEETING
- GROUND SURFACE
- WATER ENCOUNTERED
- CAR PARTS
- FILL (REWORKED SOIL AND/OR MINE TAILINGS)
- MINE TAILINGS (GRAVEL, SAND & SILT SIZED ROCK FROM ORE PROCESSING AND MILLING)
- MINE WASTE ROCK (ANGULAR, BROKEN ROCK FROM MINING ACTIVITIES)
- NATIVE SOIL (SAND, SILT, CLAY AND GRAVEL MIXTURES)
- NATIVE SOIL (COBBLES AND BOULDERS)
- DEBRIS: CARPET, FOAM, RUBBER, GLASS, WOOD, METAL, FILM, CARTONS, CAR PARTS
- PAINT SLUDGE

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

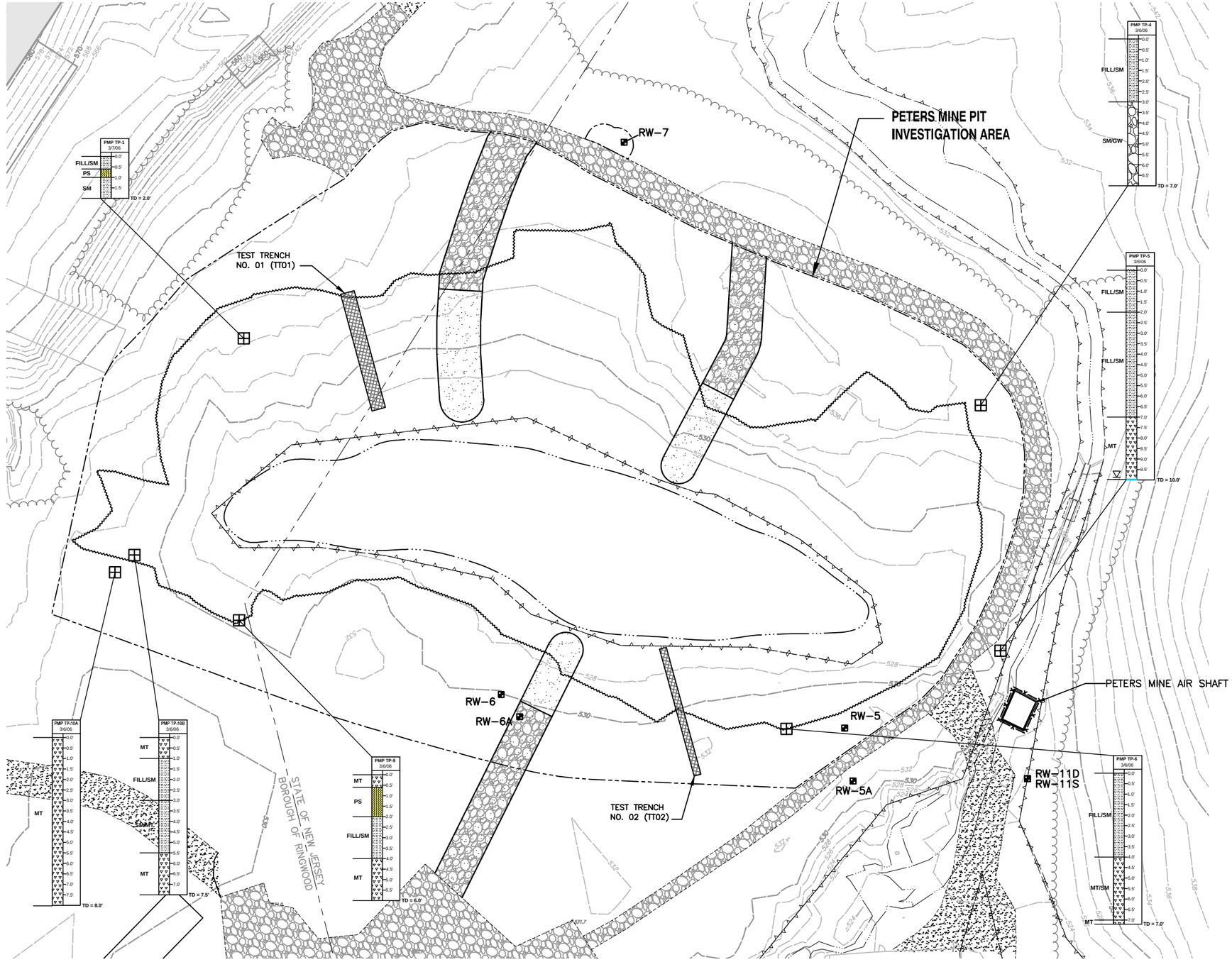
CROSS SECTIONAL DIAGRAM OF TEST TRENCH TT-2

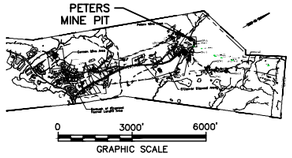
ARCADIS

FIGURE
5

R2-0003557

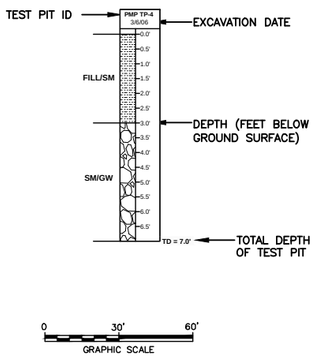
CITY:MAHWAH DIVGROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)=*;OFF=*REF*
G:\ENVCAD\Newjow\ACTIRETURN-TO\Fairfield-NJ\NJ000604\035000\140212-12\FIG 05 - XS Test Trench 02.dwg LAYOUT: 5 SAVED: 2/22/2012 5:52 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/22/2012 5:56 PM BY: WASILEVSKI, MATT
XREFS:
IMAGES: PROJECTNAME: ---
2006-03-08 PHOTO 030.JPG
2006-03-08 PHOTO 034.JPG
2006-03-10 PHOTO 100.JPG





LEGEND:

- EXISTING CONTOUR
- ESTIMATED EXTENT OF HISTORIC FILL
- EXISTING SPOT ELEVATION
- LIMITS OF PETERS MINE PIT INVESTIGATION AREA
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- PROPERTY BOUNDARY
- TREE LINE
- WETLAND BOUNDARY BY TRIDENT
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- TEST TRENCH
- 601 BLOCK
- 12 LOT
- DRILLING PAD
- INVESTIGATION TEST PIT
- ENCOUNTERED GROUNDWATER
- MINE TAILINGS: DARK GRAY, DEBRIS PRESENT
- PAINT SLUDGE
- SM/GW: SILTY SAND WITH AN ABUNDANCE OF BOULDER/COBBLES, LT BROWN
- FILL: SM/FM SAND, WELL GRADED, TRACE GRAVEL, DK BROWN (LT BROWN)



NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. SOIL DATA HAS BEEN SUMMARIZED FOR CLARITY. DETAILED TEST PIT DATA INCLUDING SOIL TYPE AND PID READINGS ARE PROVIDED IN BORING LOGS.
3. FILL: CONSIST OF DETSRIS.

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

LOCATION AND CROSS SECTIONS OF TEST PITS WITHIN THE PMP

ARCADIS

FIGURE
6

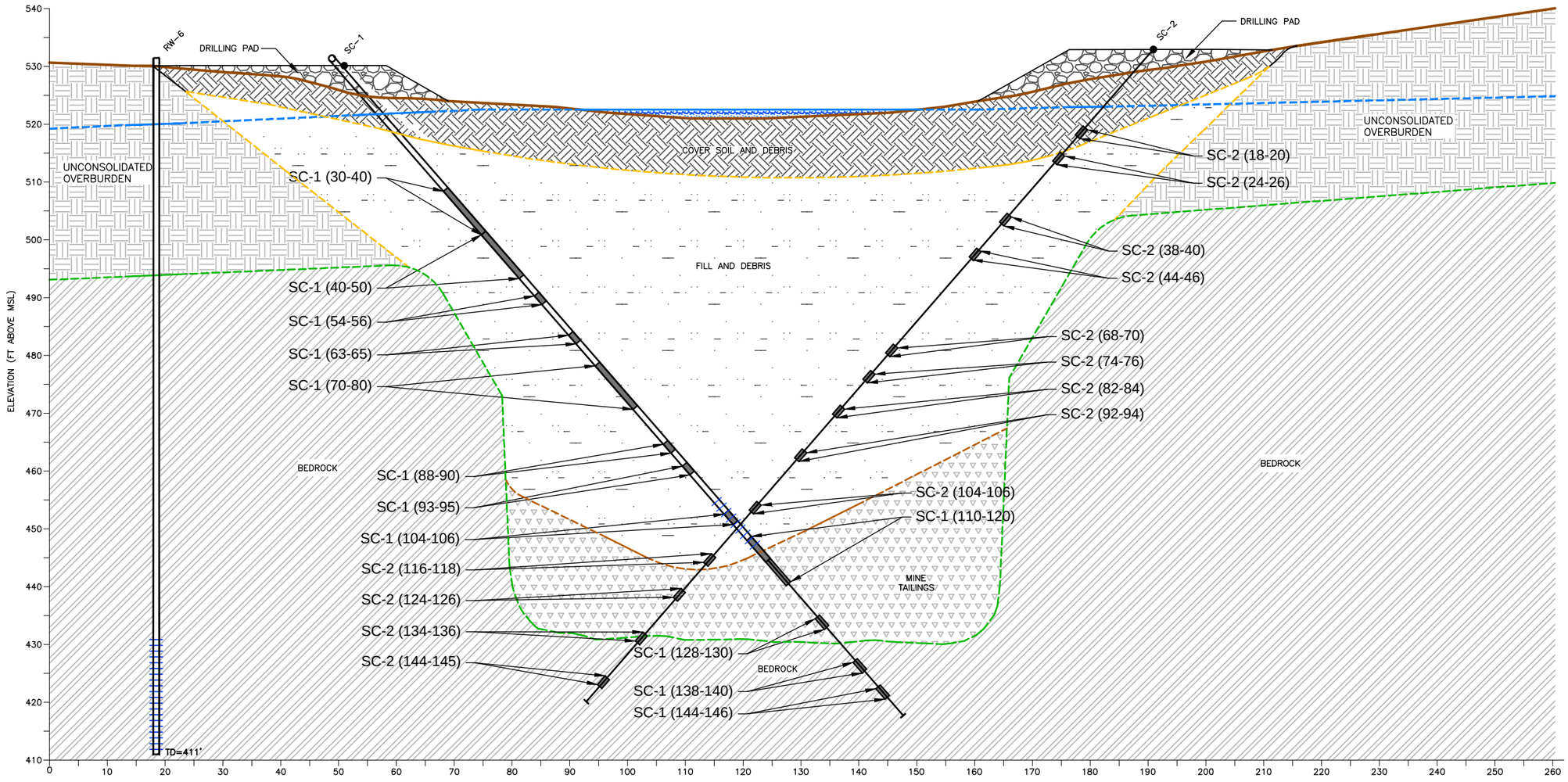
R2-0003558

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newtown\ACT\RETURN-TO\Fairfield-NJ\NJ000604\0035\0001.4\2012-12\Fig 06-Test Pit Results.dwg LAYOUT: 6 SAVED: 2/22/2012 6:56 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/22/2012 6:59 PM BY: WASILEWSKI, MATT
XREFS: IMAGES:
BASEMAP GREENWOOD-NJ.TIF
NGVD29
BASEMAP-KEY

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Requi) TM:(Opt) LYR:(Opt)ON=*OFF=*REF*
G:\ENVCAD\Newtown\ACTIRETURN-TO\Fairfield-NJ\NJ000604\0035\000142012-12\FIG 07 - Cross Section C-C.dwg LAYOUT: 7 SAVED: 2/22/2012 5:59 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/22/2012 6:00 PM BY: WASILEWSKI, MATT
XREFS:
IMAGES:
Fill Areas
BASEMAP

C

C'



LEGEND:

NOTE:

1. DEBRIS INCLUDES CARPET, FOAM, RUBBER, GLASS, WOOD, METAL, FILM, CARTONS, CAR PARTS

SC-1 DIRECTIONAL MONITORING WELL

SC-2 SOIL BORING

WELL SCREEN

SAMPLE ID (DEPTH INTERVAL)

TD TOTAL DEPTH

MSL – MEAN SEA LEVEL

EXISTING GROUND SURFACE

SURFACE WATER (DASHED WHERE INFERRED)

SURFACE OF DEBRIS (DASHED WHERE INFERRED)

SURFACE OF MINE TAILINGS (DASHED WHERE INFERRED)

SURFACE OF BEDROCK (DASHED WHERE INFERRED)

BEDROCK

COVER SOIL AND DEBRIS

FILL AND DEBRIS

GRAVEL

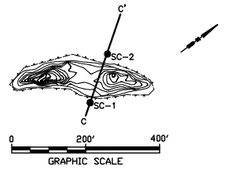
MINE TAILINGS

UNCONSOLIDATED OVERBURDEN

SURFACE WATER

CROSS-SECTION C-C'

0 10' 20'
GRAPHIC SCALE



RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

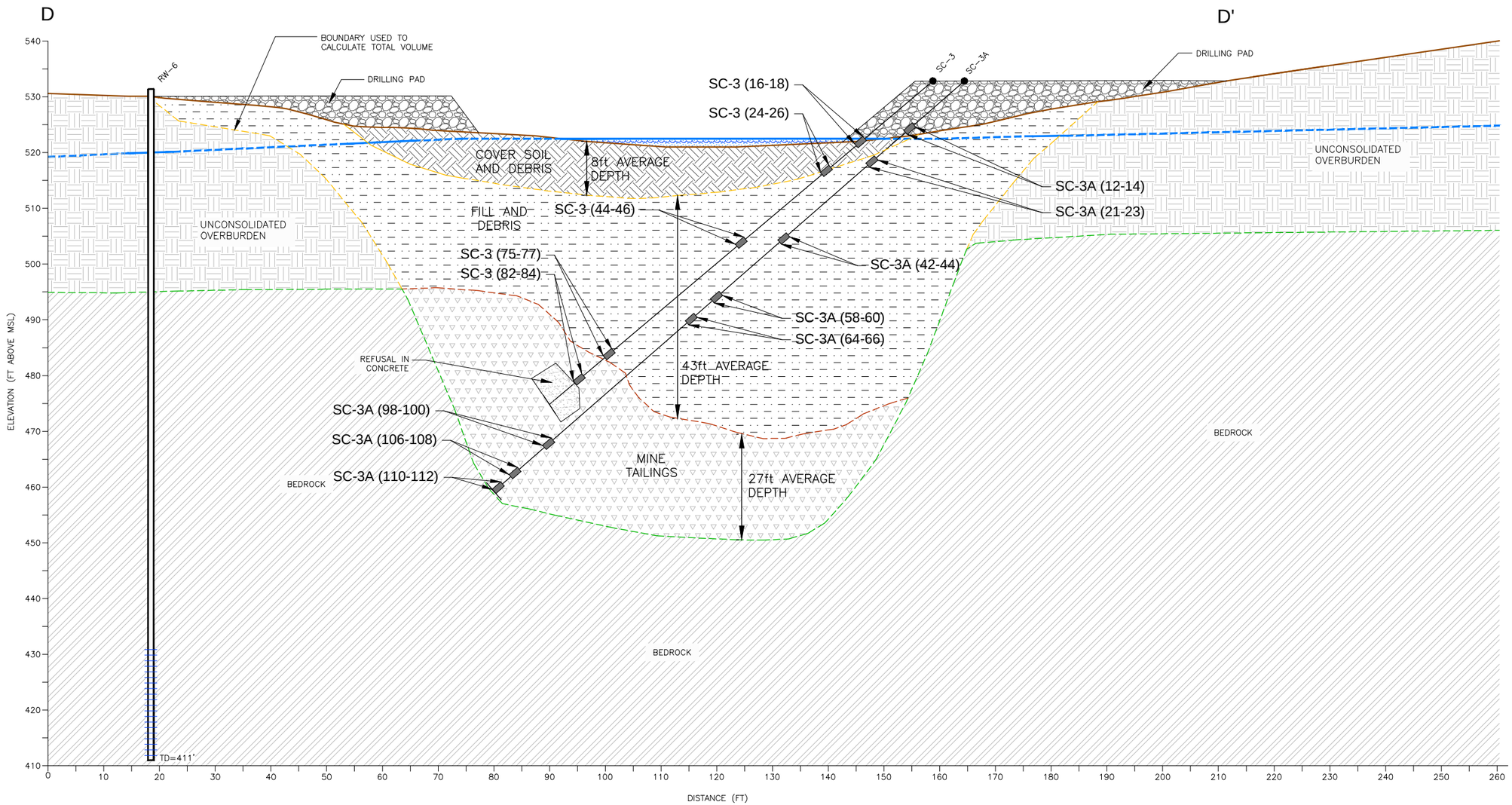
CROSS SECTION C-C'

ARCADIS

FIGURE
7

R2-0003559

CITY:MAHWAH DIVGROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reed) TM:(Opt) LYR:(Opt)ON=*OFF=*REF*
G:\ENVCAD\Newtown\ACTIVE\TURN-TO\Fairfield\-NJ\NJ0006041\0035\00014\2012-12\FIG 08 - Cross Section D-D.dwg LAYOUT: 8 SAVED: 2/10/2012 3:27 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS-MAHWAH.CTB PLOTTED: 2/22/2012 6:06 PM BY: WASILEWSKI, MATT
XREFS: IMAGES:



CROSS-SECTION D-D'

0 10' 20'
GRAPHIC SCALE

LEGEND:

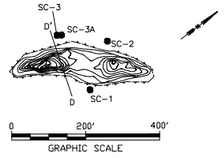
NOTE:

1. DEBRIS INCLUDES CARPET, FOAM, RUBBER, GLASS, WOOD, METAL, FILM, CARTONS, CAR PARTS

SC-3 DIRECTIONAL MONITORING WELL
SC-3 SOIL BORING
SAMPLE ID (DEPTH INTERVAL)
WELL SCREEN
TD TOTAL DEPTH

MSL – MEAN SEA LEVEL
EXISTING GROUND SURFACE
SURFACE WATER (DASHED WHERE INFERRED)
SURFACE OF DEBRIS (DASHED WHERE INFERRED)
SURFACE OF MINE TAILINGS (DASHED WHERE INFERRED)
SURFACE OF BEDROCK (DASHED WHERE INFERRED)

BEDROCK
COVER SOIL AND DEBRIS
FILL AND DEBRIS
GRAVEL
MINE TAILINGS
UNCONSOLIDATED OVERBURDEN
SURFACE WATER



RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

CROSS SECTION D-D'

ARCADIS

FIGURE
8

R2-0003560

ID (depth interval)	Groundwater	SC-3 (16-18)	SC-3 (24-26)	SC-3 (44-46)	SC-3 (75-77)	SC-3 (82-84)
Sample Date	Soil Screening Level	3/29/2006	3/29/2006	3/30/2006	3/30/2006	3/30/2006
VOCs						
Benzene	0.005	< 0.00056	0.0045	0.0028	< 0.00059	< 0.00048
Ethylbenzene	8	< 0.00053	0.0064	0.0634	< 0.00055	< 0.00046
Methylene chloride	0.007	< 0.00081	< 0.00096	< 0.0017	< 0.00085	< 0.0007
Toluene	4	< 0.00063	0.187	0.064	< 0.00066	< 0.00055
Trichloroethene	0.007	< 0.00061	< 0.00072	< 0.0013	< 0.00064	< 0.00053
Xylenes	12	< 0.00058	0.0173	0.483	< 0.0006	< 0.0005
SVOCs						
2-Methylnaphthalene	5	< 0.026	0.376 J	< 0.26	< 0.026	< 0.023
Benzo(a)anthracene	0.5	< 0.019	1.95	< 0.19	< 0.019	< 0.017
Benzo(a)pyrene	0.2	< 0.014	1.64	< 0.14	< 0.014	< 0.012
Benzo(b)fluoranthene	2	< 0.018	1.44	< 0.18	< 0.018	< 0.016
Benzo(k)fluoranthene	16	< 0.03	1.17	< 0.3	< 0.03	< 0.026
bis(2-Ethylhexyl)phthalate	790	13	37.9	29.2	0.609	< 0.045
Chrysene	52	< 0.015	1.9	< 0.15	0.0153 J	< 0.013
Dibenzo(a,h)anthracene	0.5	< 0.021	0.439 J	< 0.21	< 0.021	< 0.018
Indeno(1,2,3-cd)pyrene	5	< 0.025	0.887	< 0.25	< 0.025	< 0.022
Naphthalene	16	0.0267 J	0.826	0.398 J	< 0.022	< 0.02
N-Nitrosodiphenylamine	0.2	< 0.016	< 0.097	0.283 J	< 0.016	< 0.014
Pentachlorophenol	0.3	< 0.044	< 0.26	< 0.45	< 0.044	< 0.039
PCBs						
PCB 1242	0.2	< 0.0061	< 0.0073	< 0.012	< 0.0062	< 0.0055
PCB 1248	0.2	< 0.011	< 0.013	< 0.022	< 0.011	< 0.0097
PCB 1254	0.2	< 0.0098	0.648	1.12	< 0.0099	< 0.0088
PCB 1260	0.2	< 0.0065	< 0.0077	0.224	< 0.0066	< 0.0058
Total PCBs	0.2	0	0.648	1.344	0	0
Pesticides/Herbicides						
Dieldrin	0.003	< 0.00027	< 0.00032	< 0.00055	< 0.00028	< 0.00024
Metals						
Aluminum	3900	15300 J	7920 J	5590 J	12400 J	6250 J
Antimony	6	< 2.4 J	< 71 J	< 48 J	< 12 J	< 11 J
Antimony - method 6020	6	NA	< 7.1 J	7.9 J	NA	NA
Arsenic	19	6.1 J	82.9 J	53.3 J	< 12 J	< 11 J
Arsenic - method 6020	19	NA	NA	NA	NA	NA
Barium	1300	123 J	< 710 J	< 480 J	377 J	< 110 J
Beryllium	0.5	0.79 J	< 18 J	< 12 J	< 3 J	< 2.7 J
Cadmium	1	< 0.6 J	< 18 J	< 12 J	< 3 J	< 2.7 J
Lead	59	10.1 J	101 J	107 J	68.6 J	< 11 J
Manganese	42	355 J	411 J	279 J	310 J	254 J
Mercury	0.1	0.13	0.12	0.12	0.12	< 0.035
Nickel	31	26.9 J	< 140 J	< 97 J	40 J	< 21 J
Zinc	600	46.5 J	507 J	837 J	816 J	21.7 J

ID (depth interval)	Groundwater	SC-3A (12-14)	SC-3A (21-23)	SC-3A(42-44)	SC-3A(58-60)	SC-3A(64-66)	SC-3A(98-100)	SC-3A(106-108)	SC-3A(110-112)
Sample Date	Soil Screening Level	3/31/2006	3/31/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
VOCs									
Benzene	0.005	< 0.00057	0.0036	< 0.00059	< 0.0032	0.002 J	< 0.00053	< 0.00051	< 0.00051
Ethylbenzene	8	< 0.00054	0.0717	< 0.00056	0.0167	0.0015 J	< 0.0005	< 0.00048	0.00081 J
Methylene chloride	0.007	< 0.00083	< 0.0023	< 0.00085	< 0.0045	< 0.0022	< 0.00076	< 0.00074	< 0.00074
Toluene	4	< 0.00065	0.0153	0.001 J	0.169	0.0046	< 0.0006	< 0.00058	0.0024
Trichloroethene	0.007	< 0.00062	< 0.0018	< 0.00064	< 0.0034	< 0.0017	< 0.00057	< 0.00055	< 0.00056
Xylenes	12	< 0.00059	1.37	0.0022 J	0.161	0.075	0.0045	< 0.00052	0.0036
SVOCs									
2-Methylnaphthalene	5	< 0.025	0.211 J	< 0.025	0.347 J	0.294	< 0.023	< 0.024	< 0.024
Benzo(a)anthracene	0.5	0.0533 J	0.337	< 0.019	0.33 J	0.121 J	< 0.017	< 0.017	< 0.018
Benzo(a)pyrene	0.2	0.0355 J	0.254	0.0157 J	0.183 J	0.0863 J	< 0.012	< 0.013	< 0.013
Benzo(b)fluoranthene	2	0.0398 J	0.223 J	< 0.018	0.25 J	0.0913 J	< 0.016	< 0.017	< 0.017
Benzo(k)fluoranthene	16	0.0402 J	0.198 J	< 0.029	0.243 J	< 0.08	< 0.027	< 0.027	< 0.028
bis(2-Ethylhexyl)phthalate	790	0.54	16.3	0.856	1460	167	1.35	0.101	< 0.047
Chrysene	52	0.0589 J	0.365	0.0159 J	0.425 J	0.272	< 0.013	< 0.013	< 0.014
Dibenzo(a,h)anthracene	0.5	< 0.02	< 0.059	< 0.021	< 0.11	< 0.056	< 0.019	< 0.019	< 0.019
Indeno(1,2,3-cd)pyrene	5	< 0.024	0.132 J	< 0.025	< 0.13	< 0.067	< 0.023	< 0.023	< 0.023
Naphthalene	16	< 0.021	3.2	< 0.022	1.18	0.601	< 0.02	< 0.02	< 0.021
N-Nitrosodiphenylamine	0.2	< 0.016	0.349 J	< 0.016	0.869 J	0.464 J	< 0.015	< 0.015	< 0.015
Pentachlorophenol	0.3	< 0.042	< 0.13	< 0.044	< 0.24	< 0.12	< 0.04	< 0.041	< 0.041
PCBs									
PCB 1242	0.2	< 0.0059	< 0.018	0.304	< 0.033	< 0.017	< 0.0056	< 0.0056	< 0.0057
PCB 1248	0.2	< 0.01	< 0.031	< 0.011	1.71	< 0.029	< 0.0097	< 0.0098	< 0.01
PCB 1254	0.2	< 0.0094	0.844	< 0.0097	1.72	< 0.026	< 0.0089	< 0.0089	< 0.0092
PCB 1260	0.2	< 0.0062	0.64	< 0.0064	0.278	< 0.017	< 0.0059	< 0.0059	< 0.0061
Total PCBs	0.2	0	1.484	0.304	3.708	0	0	0	0
Pesticides/Herbicides									
Dieldrin	0.003	< 0.00026	< 0.00079	< 0.00027	< 0.0015	< 0.00073	< 0.00025	< 0.00025	< 0.00025
Metals									
Aluminum	3900	18700 J	9290 J	7520 J	2590 J	1510 J	5440 J	4850 J	10700 J
Antimony	6	< 12 J	< 69 J	< 12 J	95.9 J	136 J	< 22 J	< 22 J	< 11 J
Antimony - method 6020	6	NA	21.2 J	NA	NA	NA	NA	< 5.4 J	NA
Arsenic	19	12.3 J	78.7 J	< 12 J	22.3 J	22.6 J	28.8 J	25.1 J	13.2 J
Arsenic - method 6020	19	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1300	< 120 J	1220 J	< 120 J	181 J	388 J	< 220 J	< 220 J	< 110 J
Beryllium	0.5	< 2.9 J	< 17 J	< 2.9	< 3.4	< 1.6	< 5.4	< 5.4	< 2.8
Cadmium	1	< 2.9 J	41.9 J	< 2.9	13.5	50.2	< 5.4	< 5.4	< 2.8
Lead	59	< 12 J	463 J	50.9	2960	2520	< 22	< 22	< 11
Manganese	42	344 J	391 J	310 J	120 J	71.4 J	249 J	200 J	361 J
Mercury	0.1	< 0.038	0.18	0.12	0.27	0.45	< 0.033	< 0.036	< 0.035
Nickel	31	40.9 J	< 140 J	< 23	29.1	< 13	< 43	< 43	< 22
Zinc	600	55.5 J	2010 J	351 J	4100 J	838 J	212 J	39.7 J	86.5 J

LEGEND:

- EXISTING CONTOUR
- ESTIMATED EXTENT OF HISTORIC FILL
- EXISTING SPOT ELEVATION
- LIMITS OF PETERS MINE PIT INVESTIGATION AREA
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- PROPERTY BOUNDARY
- TREE LINE
- WETLAND BOUNDARY BY TRIDENT
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- FORMER TEST TRENCH LOCATION
- SC-2 SOIL BORING
- OB-19 OVERBURDEN MONITORING WELL
- SG-1 STAFF GAUGE
- RW-5 BEDROCK MONITORING WELL
- TP-6 INVESTIGATION TEST PIT
- SC-1 DIRECTIONAL MONITORING WELL
- 601 BLOCK
- 12 LOT
- DRILLING PAD
- C — C' CROSS-SECTION CALLOUT

J	ESTIMATED
NA	NOT ANALYZED
ND	NOT DETECTED ABOVE LABORATORY DETECTION LIMIT
NE	NO EXCEEDANCE
NS	NO STANDARD
PCBs	POLY-CHLORINATED BIPHENYLS
PPB	PARTS PER BILLION
SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
VOCs	VOLATILE ORGANIC COMPOUNDS
SHADED	CONTAMINANT DETECTED AT LEVELS GREATER THAN THE NJDEP IMPACT TO GROUNDWATER SOIL SCREENING LEVEL

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. EXTENT OF HISTORIC FILL ESTIMATED FROM 1961 AND 1974 COMPARISON FIGURE.

CONSTITUENT → (row labels); SAMPLE ID; SAMPLE INTERVAL (FEET BELOW GROUND SURFACE, OR MEAN SEA LEVEL); SAMPLE DATE

ID (depth interval)	Groundwater	SC-1 (30-40)
Sample Date	Soil Screening Level	3/21/2006
VOCs		
Benzene	0.005	< 0.00061
Ethylbenzene	8	< 0.00058
Methylene chloride	0.007	< 0.00089
Toluene	4	< 0.0007
Trichloroethene	0.007	< 0.00067
Xylenes	12	0.0346

NOTES:

1. DATA QUALIFIERS WERE NOT PROVIDED ON DRAWINGS. DATA QUALIFIERS ARE REPORTED IN ANALYTICAL TABLES.
2. WHEN A DUPLICATE SAMPLE ANALYSIS WAS PERFORMED, THE DATA REPORTED ON THE DRAWING IS THE GREATER OF THE TWO ANALYTICAL RESULTS.
3. EXISTING CONTOURS DEPICT TOPOGRAPHY PRIOR TO REMOVAL ACTIVITIES.
4. SAMPLE DEPTHS ARE APPROXIMATE.
5. ALL RESULTS ARE PRESENTED AS MILLIGRAMS PER KILOGRAM (mg/kg).

ID (depth interval)	Groundwater	SC-1(30-40)	SC-1(40-50)	SC-1(54-56)	SC-1(63-65)	SC-1(70-80)	SC-1(88-90)	SC-1(93-95)	SC-1(104-106)	SC-1(110-120)	SC-1(128-130)	SC-1(138-140)	SC-1(144-146)
Sample Date	Soil Screening Level	3/21/2006	3/21/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006
VOCs													
Benzene	0.005	< 0.00061	< 0.00078	< 0.00058	< 0.00071	< 0.052	0.0541	1.11	0.192 J	< 0.00056	< 0.00051	< 0.00052	< 0.00054
Ethylbenzene	8	< 0.00058	0.0018	0.0039	0.00074 J	0.125	1.75	5.61	13.5	0.0011 J	< 0.00047	< 0.00049	< 0.00051
Methylene chloride	0.007	< 0.00089	< 0.0011	< 0.00083	< 0.001	< 0.074	< 0.026	< 0.12	< 0.23	< 0.00081	< 0.00073	< 0.00075	< 0.00078
Toluene	4	< 0.0007	0.0062	0.0026	0.0012 J	< 0.058	0.661	50.6	< 0.18	< 0.00064	< 0.00057	< 0.00059	< 0.00061
Trichloroethene	0.007	< 0.00067	< 0.00085	< 0.00063	< 0.00077	< 0.056	< 0.019	< 0.088	< 0.17	< 0.00061	< 0.00055	< 0.00057	< 0.00059
Xylenes	12	0.0346	0.0249	0.0231	0.0199	0.482	13.5	23.1	81.5	0.196	< 0.00052	0.0012 J	< 0.00056
SVOCs													
2-Methylnaphthalene	5	0.0578 J	0.039 J	0.605	0.0549 J	16.4	0.989	0.634	< 0.47	< 0.025	< 0.023	< 0.024	< 0.024
Benzo(a)anthracene	0.5	0.22	0.0544 J	3.63	0.0276 J	69.1	0.41	0.613	0.441 J	0.0408 J	< 0.017	< 0.018	< 0.017
Benzo(a)pyrene	0.2	0.175	0.0383 J	3.37	< 0.017	65.2	0.269	0.687	0.351 J	0.0438 J	< 0.012	< 0.013	< 0.013
Benzo(b)fluoranthene	2	0.166	0.0471 J	2.75	< 0.022	53	0.281	0.324 J	< 0.33	0.0375 J	< 0.016	< 0.017	< 0.016
Benzo(k)fluoranthene	16	0.173	0.0401 J	2.55	< 0.036	49.9	0.109 J	< 0.18	< 0.54	0.0386 J	< 0.027	< 0.027	< 0.027
bis(2-Ethylhexyl)phthalate	790	1.01	4.15	2.31	0.48	1.23	57.9	213	9.11 J	3.31	< 0.045	0.136	< 0.046
Chrysene	52	0.241	0.0549 J	3.37	0.0286 J	65.3	0.885	1.42	0.725 J	0.049 J	< 0.013	< 0.013	< 0.013
Dibenzo(a,h)anthracene	0.5	0.0321 J	< 0.027	0.405	< 0.025	10.5	< 0.066	< 0.13	< 0.38	< 0.021	< 0.019	< 0.019	< 0.019
Indeno(1,2,3-cd)pyrene	5	0.103	< 0.032	1.85	< 0.03	36.3	0.0971 J	< 0.16	< 0.46	0.0269 J	< 0.023	< 0.023	< 0.023
Naphthalene	16	0.128	0.166	1.27	0.194	40.2	3.57	0.644	1.86 J	0.0543 J	< 0.02	< 0.02	< 0.02
N-Nitrosodiphenylamine	0.2	0.334	< 0.021	< 0.082	< 0.02	< 0.11	0.879	< 0.1	0.604 J	< 0.016	< 0.015	< 0.015	< 0.015
Pentachlorophenol	0.3	< 0.045	< 0.057	< 0.22	< 0.053	< 0.29	< 0.14	8.15	< 0.8	< 0.044	< 0.04	< 0.041	< 0.04
PCBs													
PCB 1242	0.2	0.189	0.229	< 0.0062	0.555	0.161	0.428	5.44	0.247	< 0.0061	< 0.0055	< 0.0056	< 0.0056
PCB 1248	0.2	< 0.011	< 0.014	< 0.011	< 0.013	< 0.014	< 0.034	< 0.039	< 0.057	< 0.011	< 0.0096	< 0.0098	< 0.0098
PCB 1254	0.2	< 0.0099	< 0.013	< 0.0099	0.116	< 0.013	< 0.031	< 0.035	< 0.052	< 0.0097	< 0.0088	< 0.009	< 0.009
PCB 1260	0.2	< 0.0065	0.162	0.724	< 0.0078	< 0.0085	< 0.021	0.971	< 0.034	< 0.0064	< 0.0058	< 0.0059	< 0.0059
Total PCBs	0.2	0.189	0.391	0.724	0.671	0.161	0.428	6.411	0.247	0	0	0	0
Pesticides/Herbicides													
Dieldrin	0.003	< 0.00027	< 0.00035	0.0034	< 0.00033	< 0.00036	0.0072	2.98	< 0.0014	< 0.00027	< 0.00024	< 0.00025	< 0.00025
Metals													
Aluminum	3900	7310	7830	7860	7270	9030	1940	1810	14500	14500	5870	6430	5540
Antimony	6	< 24 J	< 31 J	< 12 J	< 72 J	< 32 J	9800 J	9.6 J	5.4 J	< 7.1 J	< 22 J	< 22 J	< 22 J
Antimony - method 6020	6	< 6	< 7.7	NA	< 7.2	< 7.9	NA	NA	NA	NA	< 5.4	< 5.4	< 5.4
Arsenic	19	< 24	49.1	12.7	< 72	32.4	17.2	3	6.6	< 7.1	< 22	< 22	24
Arsenic - method 6020	19	23.3	NA	NA	72	NA	NA	NA	NA	NA	16.3	17.3	NA
Barium	1300	< 240	< 310	< 120	< 720	< 320	815	87.3	2520	338	< 220	< 220	< 220
Beryllium	0.5	< 6	< 7.7	< 3	< 18	< 7.9	< 1.9	< 0.75	1.7	< 1.8	< 5.4	< 5.4	< 5.4
Cadmium	1	< 6	< 7.7	4.9	< 18	< 7.9	44.7	3.4	34.4	2.4	< 5.4	< 5.4	< 5.4
Lead	59	33.8	179	336	< 72	33	8300	42.9	128	82.3	< 22	< 22	< 22
Manganese	42	326	390	302	326	257	262	37.9	1060	648	294	188	237
Mercury	0.1	0.16	1	0.08	0.18	0.22	0.55	0.84	0.14	0.084	< 0.036	< 0.036	< 0.035
Nickel	31	< 48	< 62	< 24	< 140	< 63	106	19.4	24.7	22.2	< 43	< 43	< 43
Zinc	600	52.6	225	163	< 72	203	1150	303	686	74.9	22.7	32.1	23.7

ID (depth interval)	Groundwater	SC-2 (18-20)	SC-2 (24-26)	SC-2 (38-40)	SC-2 (44-46)	SC-2 (68-70)	SC-2 (74-76)	SC-2 (82-84)	SC-2 (92-94)	SC-2 (144-145)	SC-2 (104-106)	SC-2 (116-118)	SC-2 (124-126)	SC-2 (134-136)
Sample Date	Soil Screening Level	3/27/2006	3/27/2006	3/27/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/29/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006
VOCs														
Benzene	0.005	< 0.00066	< 0.00064	0.0035 J	< 0.0071	0.0067 J	< 0.033	0.0807	0.0063 J	0.0017	0.118	0.102	< 0.00056	< 0.00058
Ethylbenzene	8	0.0023	< 0.0006	0.0268	0.0104 J	7.53	2.86	62.3	0.0446	0.00083 J	0.687	12.6	0.00064 J	0.0016
Methylene chloride	0.007	< 0.00095	< 0.00092	< 0.0032	< 0.01	< 0.0056	< 0.047	< 0.045	< 0.0064	< 0.00087	0.021 J	< 0.0092	0.0031 J	< 0.00083
Toluene	4	0.0025	< 0.00072	0.03	0.0522	1.22	1.12	0.587	0.0427	0.0014	0.578	0.143	< 0.00063	0.00082 J
Trichloroethene	0.007	< 0.00071	< 0.00069	< 0.0024	< 0.0077	< 0.0042	0.0897 J	< 0.034	< 0.0048	< 0.00066	< 0.0047	< 0.0069	< 0.0006	< 0.00063
Xylenes	12	0.0091	0.0013 J	0.429	0.095	38.2	10.1	203	1.38	0.003	3	53.3	0.0044	0.0039
SVOCs														
2-Methylnaphthalene	5	< 0.028	< 0.026	0.161 J	2.6	0.291	0.513	0.112	0.0767 J	< 0.025	0.168 J	1.36	< 0.023	< 0.023
Benzo(a)anthracene	0.5	< 0.021	< 0.019	0.106 J	0.0747 J	0.141	0.362	< 0.019	0.053 J	< 0.018	0.33 J	0.0802 J	< 0.017	< 0.017
Benzo(a)pyrene	0.2	< 0.015	< 0.014	0.106 J	< 0.041	0.129	0.309	0.104	0.0604 J	< 0.013	< 0.076	0.0665 J	< 0.012	< 0.013
Benzo(b)fluoranthene	2	< 0.019	< 0.018	< 0.06	< 0.054	0.11	0.324	0.0821	0.0487 J	< 0.017	< 0.1	0.0944 J	< 0.016	< 0.016
Benzo(k)fluoranthene	16	< 0.032	< 0.03	< 0.099	< 0.089	0.125	0.316	0.0701 J	0.039 J	< 0.028	< 0.17	0.088 J	< 0.027	< 0.027
bis(2-Ethylhexyl)phthalate	790	0.991	0.166	85.7	40.2	0.381	23.1	4260	6.69	< 0.048	2.27	53.1	0.14	0.0622 J
Chrysene	52	0.028 J	< 0.015	0.193 J	0.143 J	0.152	0.252	< 0.014	0.0857 J	< 0.014	0.805	0.114 J	< 0.013	< 0.013
Dibenzo(a,h)anthracene	0.5	< 0.022	< 0.021	< 0.069	< 0.062	< 0.02	0.0276 J	< 0.02	< 0.023	< 0.02	< 0.11	< 0.032	< 0.019	< 0.019
Indeno(1,2,3-cd)pyrene	5	< 0.027	< 0.025	< 0.083	< 0.075	0.0576 J	0.158	0.0662 J	< 0.027	< 0.024	< 0.14	0.0415 J	< 0.022	< 0.023
Naphthalene	16	< 0.024	< 0.023	0.386	5.68	0.904	2.19	1.94	0.263	< 0.021	0.598	3.34	< 0.02	< 0.02
N-Nitrosodiphenylamine	0.2	< 0.018	< 0.017	0.334 J	0.207 J	< 0.015	0.539	0.627	0.147 J	< 0.016	< 0.09	0.193 J	< 0.015	< 0.015
Pentachlorophenol	0.3	< 0.048	< 0.045	< 0.15	< 0.13	< 0.042	< 0.044	< 0.043	< 0.048	< 0.042	< 0.25	< 0.069	< 0.04	< 0.04
PCBs														
PCB 1242	0.2	< 0.0066	< 0.0062	< 0.02	< 0.018	< 0.0058	< 0.0061	< 0.006	0.606	< 0.0058	< 0.0068	< 0.0095	< 0.0054	< 0.0055
PCB 1248	0.2	< 0.012	< 0.011	< 0.035	1.32	< 0.01	< 0.011	< 0.01	< 0.012	< 0.01	< 0.012	1.29	< 0.0095	< 0.0097
PCB 1254	0.2	< 0.011	< 0.0099	< 0.032	1.38	< 0.0093	< 0.0097	< 0.0096	< 0.011	< 0.0093	< 0.011	< 0.015	< 0.0087	< 0.0088
PCB 1260	0.2	0.0906	< 0.0065	3.88	0.405	< 0.0061	< 0.0064	< 0.0063	< 0.007	< 0.0061	< 0.0072	0.156	< 0.0057	< 0.0058
Total PCBs	0.2	0.0906	0	3.88	3.105	0	0	0	0.606	0	0	1.446	0	0
Pesticides/Herbicides														
Dieldrin	0.003	0.0038	< 0.00027	0.0364	< 0.00081	< 0.00026	< 0.00027	< 0.00027	0.0025	< 0.00026	< 0.0006	< 0.00042	< 0.00024	< 0.00025
Metals														
Aluminum	3900	15100	10200	2980	6190	7500	8190	7220	5060	4290	4500	7320	4060	4680
Antimony	6	3.2	< 2.4	2390	9.7	< 2.3	< 24	< 56	< 72	< 53	< 2.7	18.3	< 22	< 22
Antimony - method 6020	6	NA	NA	NA	NA	NA	< 6.1	< 5.6	< 7.2	< 5.3	NA	NA	< 5.4	< 5.4
Arsenic	19	5	4.6	19.5	7.5	6.6	35.1	57.4	82.4	< 53	< 2.7	32.6	22.6	23.8
Arsenic - method 6020	19	NA	NA	NA	NA	NA	NA	NA	NA	23.2	NA	NA	NA	NA
Barium	1300	147	49.4	303	805	156	< 240	< 560	< 720	< 530	54.5	2480	< 220	< 220
Beryllium	0.5	0.73	0.64	< 2	< 1.9	0.64	< 6.1	< 14	< 18	< 13	0.8	< 4.4	< 5.4	< 5.4
Cadmium	1	< 0.67	< 0.6	6.5	3.3	< 0.56	< 6.1	< 14	< 18	< 13	2	< 4.4	< 5.4	< 5.4
Lead	59	120	12.5	2440	231	19	69.8	477	< 72	< 53	62	666	< 22	< 22
Manganese	42	466 J	472 J	244 J	96.6 J	338 J	405 J	304 J	261 J	497 J	355 J	303 J	160 J	175 J
Mercury	0.1	0.27	0.087	0.18	0.27	0.094	0.16	0.085	0.13	< 0.035	0.05	0.52	< 0.034	< 0.036
Nickel	31	27.3	17.5	28.1	33	14	< 49	< 110	< 140	< 110	< 5.4	< 35	< 44	< 43
Zinc	600	116	48.8	4400	606	57.7	88.1	80.2	110	< 53	209	440	< 22	< 22

0 30 60
SCALE IN FEET

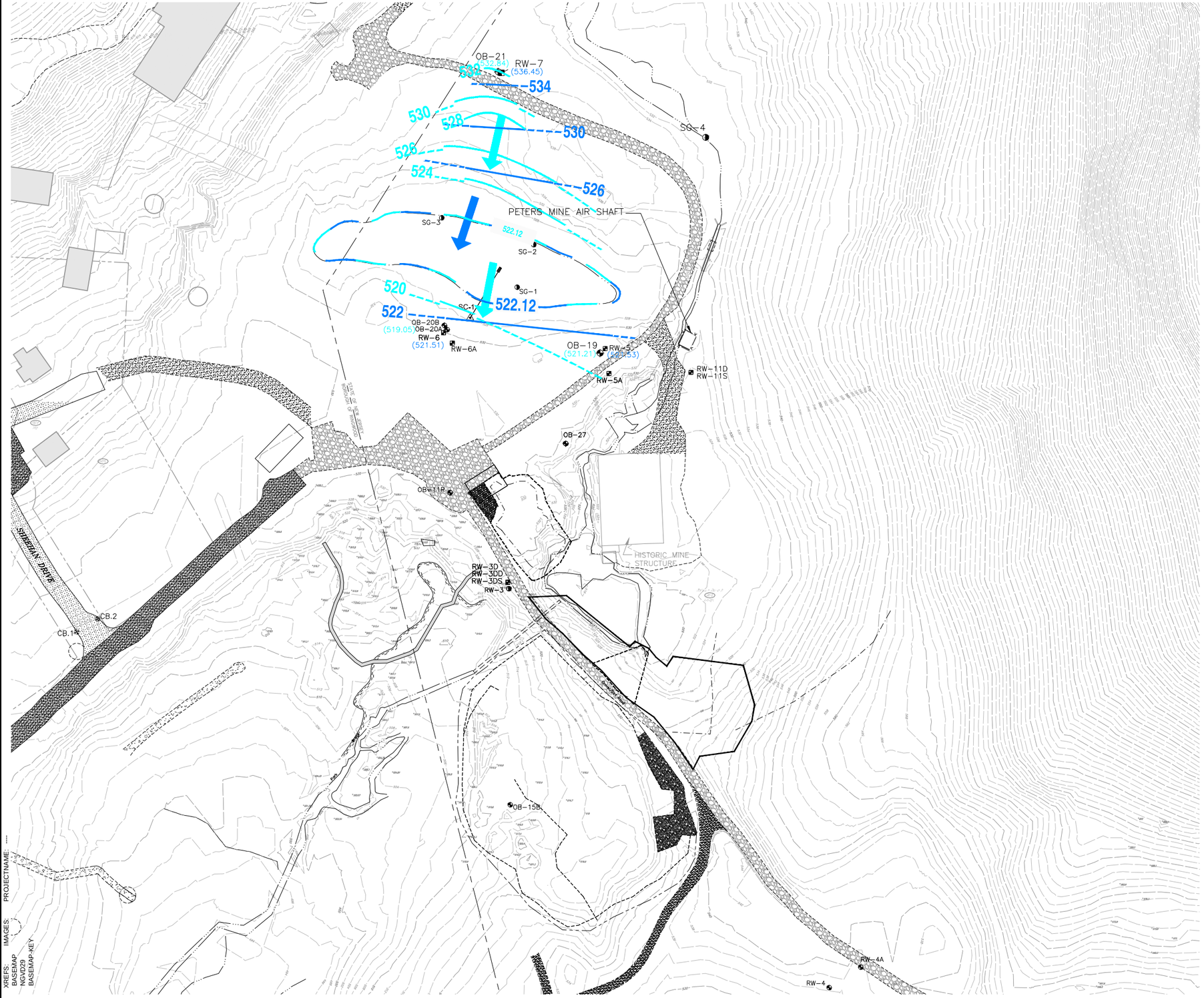
PETERS MINE PIT AREA INVESTIGATION
RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY

SUMMARY OF SOIL ANALYTICAL RESULTS IN THE PMP

ARCADIS

FIGURE 9

SAVED: 2/23/2012 7:20 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/23/2012 7:21 PM BY: WASILEWSKI, MATT



0 60' 120'
GRAPHIC SCALE

LEGEND:

- 530 — EXISTING CONTOUR
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- OB-27 — OVERBURDEN MONITORING WELL
- SG-1 — STAFF GAUGE
- RW-5 — BEDROCK MONITORING WELL
- SC-1 — DIRECTIONAL MONITORING WELL
- 601 — BLOCK
- 12 — LOT
- 537 — GROUNDWATER ELEVATION CONTOUR – OVERBURDEN
- GROUNDWATER FLOW DIRECTION OF OVERBURDEN (2-FT CONTOUR INTERVAL)
- 533 — GROUNDWATER ELEVATION CONTOUR – BEDROCK (100' – 120')
- GROUNDWATER FLOW DIRECTION OF BEDROCK INTERVAL 100' (4-FT CONTOUR INTERVAL)
- (519.12) GROUNDWATER/SURFACE WATER ELEVATION (FEET AMSL)

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. SURFACE WATER ELEVATIONS FOR PMP AS RECORDED AT STAFF GAUGE 1 ON SEPTEMBER 22, 2008.
3. BEDROCK CONTOURS BASED ON INTERVAL 99 TO 125 FEET BELOW GROUND SURFACE (405-440 FT MSL).
4. RW-5A AND RW-6A NOT USED TO CONTOUR BEDROCK.
5. OB-20B AND OB-27 NOT USED TO CONTOUR OVERBURDEN.

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

WELL LOCATIONS AND GROUNDWATER CONTOURS IN THE PMP

ARCADIS

FIGURE
10

R2-0003562

CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.SEIER PIC:M.MOHIUDDIN PM:E.ZIMMERMAN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newtown\ACTIVE\TURN-TO\Fairfield-NJ\MJ000604\0035\0001\422012-12\FIG 10 -OB and RW GW_Results-Apr2008-May2011.dwg LAYOUT: 10 SAVED: 2/23/2012 7:16 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/23/2012 7:16 PM BY: WASILEWSKI, MATT
XREFS: IMAGES:
BASEMAP PROJECTNAME: ---
NGVD29
BASEMAP-KEY

CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.SEIER PIC:M.MOHIUDDIN PM:E.ZIMMERMAN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Newtown\ACT\RETURN-TO\Fairfield-NJ\NJ000604.0035\00014\2012-12\FIG 11 -OB and RW GW_Results-Apr2008-May2011.dwg LAYOUT: 11 SAVED: 2/23/2012 7:47 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/23/2012 7:47 PM BY: WASILEWSKI, MATT
XREFS: BASEMAP NGVD29 BASEMAP-KEY IMAGES: PROJECTNAME: ----

OB-21						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
ftbgs	6-21	6-21	6-21	6-21	6-21	6-21
(msl)	(532-517)	(532-517)	(532-517)	(532-517)	(532-517)	(532-517)
Metals :						
Aluminum	**1820**	**2760**	**1180**	**336**	**1000**	**2990 J**
Arsenic	<1.7	<1.7	<2.4	<2.4	<1.4	< 0.92
Beryllium	<0.15	<0.15	<0.4	<0.4	<0.24	< 0.24
Iron	**2520**	**3150**	**1550**	**380**	**1710**	**4040**
Lead	2.1	1.4	<1.7	<1.7	2.5	2.8 B
Manganese	**113**	**241**	**85.9**	18.1	**278**	**184**
VOCs and SVOCs:						
Benzene	<0.26	<0.26	<0.23	<0.23	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	1.4	<0.79	<0.33	<0.34	<0.39	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

SC-01						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
ftbgs	64.4-70.9	64.4-70.9	64.4-70.9	64.4-70.9	64.4-70.9	64.4-70.9
(msl)	(467-460)	(467-460)	(467-460)	(467-460)	(467-460)	(467-460)
Metals :						
Arsenic	<1.7	<1.7	<2.4	<2.4	<1.4	< 0.92
Iron	**29700**	**47100**	**33100**	**27100**	**43500**	**26500**
Lead	**5.4**	**6.2**	**7.2**	**9.9**	**6.2**	**5.6**
Manganese	**307**	**518**	**343**	**311**	**441**	**290**
VOCs and SVOCs:						
Benzene	**1.1**	0.81	0.94	0.53	**1.5**	0.63 J
Bis (2-ethylhexyl) phthalate	<0.88	2.2	<0.33	**4.3**	<0.34	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

OB-20B						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
ftbgs	24-34	24-34	24-34	24-34	24-34	24-34
(msl)	(508-498)	(508-498)	(508-498)	(508-498)	(508-498)	(508-498)
Metals :						
Aluminum	101	107	<26	27.4	80.9	53.3 J
Arsenic	<1.7	**3.8**	2.4	<2.4	<1.4	< 0.92
Iron	**26400**	**29200**	**32000**	**26100**	**22600**	**27000**
Lead	3.8	<1.4	<1.7	<1.7	<1.9	2.5 B
Manganese	**6800**	**7060**	**7850**	**6230**	**4990**	**6600**
VOCs and SVOCs:						
Benzene	**1.4**	0.9	0.83	0.77	**1.1**	0.86 J
bis(2-Ethylhexyl)phthalate	<0.88	<0.75	<0.33	**6.8**	1.5	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

OB-20A						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
ftbgs	5-20	5-20	5-20	5-20	5-20	5-20
(msl)	(527-512)	(527-512)	(527-512)	(527-512)	(527-512)	(527-512)
Metals :						
Aluminum	**216**	**367**	44.7	158	192	**1050 J**
Arsenic	**3.7**	**7.8**	2.8	<2.4	**7.9**	< 0.92
Iron	**28200**	**24400**	**26800**	**30900**	**31400**	**28100**
Lead	2.1	<1.4	<1.7	<1.7	1.9	**5.6**
Manganese	**885**	**1300**	**685**	**964**	**1160**	**507**
VOCs and SVOCs:						
Benzene	<0.26	<0.26	<0.23	<0.23	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	1.2	<0.75	**3.2**	2.1	<0.38	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

RW-6						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
fbgs	99-119	99-119	99-119	99-119	99-119	99-119
(msl)	(433-413)	(433-413)	(433-413)	(433-413)	(433-413)	(433-413)
Metals :						
Aluminum	<24	<24	<26	<26	74.8	< 200 J
Arsenic	**3.8**	2.4	**4.1**	<2.4	2.1	< 0.92
Iron	**36400**	**43200**	**37600**	**37800**	**40800**	**39900**
Lead	1.5	<1.4	<1.7	<1.7	<1.9	1.8 J
Manganese	**6640**	**4500**	**4860**	**4920**	**4580**	**4420**
Zinc	<4	11.1	10.4	4.9	9	< 20
VOCs and SVOCs:						
Benzene	**1.7**	**2.1**	**2**	**1.5**	**1.5**	**1.6**
bis(2-Ethylhexyl)phthalate	<.95	**3.7**	1.5	1.6	<0.41	1.5 J
PCBs:	ND	ND	ND	ND	NA	ND

RW-6A					
Date	8-Apr	8-Sep	9-Oct	10-Jun	11-May
fbgs	58-78	58-78	58-78	58-78	58-78
(msl)	(473-453)	(473-453)	(473-453)	(473-453)	(473-453)
Metals :					
Aluminum	<24	<26	<26	69.3	< 200 J
Arsenic	1.9	2.7	<2.4	<1.4	< 0.92
Iron	**9460**	**10000**	**9810**	**8610**	**10500**
Lead	<1.4	<1.7	<1.7	<1.9	3.1
Manganese	**9770**	**10300**	**10600**	**9280**	**10700**
Zinc	4.4	5.5	3.3	1.7	< 20
VOCs and SVOCs:					
Benzene	**2.9**	**1.3**	**2.4**	**1.9**	**1.5**
bis(2-Ethylhexyl)phthalate	<0.75	<0.36	**3.8**	<0.36	< 0.33
PCBs:	ND	ND	ND	NA	ND

RW-7						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
fbgs	99-119	99-119	99-119	99-119	99-119	99-119
(msl)	(438-418)	(438-418)	(438-418)	(438-418)	(438-418)	(438-418)
Metals :						
Aluminum	**244**	**648**	**4940**	**996**	**404**	**4770 J**
Arsenic	<1.7	<1.7	<2.4	<2.4	<1.4	< 0.92
Iron	186	**1350**	**2130**	**21000**	**1060**	**2120**
Lead	1.5	<1.4	**5.1**	<1.7	<1.9	**5.9**
Manganese	<1.7	9.3	**64.4**	**401**	8.3	**69.4**
VOCs and SVOCs:						
Benzene	<0.26	<0.26	<0.23	<0.41	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	<0.98	<0.77	<0.34	<0.35	<0.37	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

RW-5						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
fbgs	99-119	99-119	99-119	99-119	99-119	99-119
(msl)	(431-411)	(431-411)	(431-411)	(431-411)	(431-411)	(431-411)
Metals :						
Aluminum	<24	55.3	73.3	135	105	23.3 B
Arsenic	**4.1**	2.4	<2.4	<2.4	2.1	1.1 B
Cadmium	0.9	<0.28	1	**11.8**	<0.35	< 0.17
Iron	**15200**	**7290**	**8700**	**9040**	**5760**	**3400**
Lead	<1.4	<1.4	<1.7	<1.7	<1.9	< 0.94
Manganese	**4890**	**3990**	**3670**	**3360**	**3420**	**2220**
Zinc	59.5	22.3	7.4	108	15.8	17.0 B
VOCs and SVOCs:						
Benzene	0.89	0.89	0.26	<0.23	0.24	< 0.26
bis(2-Ethylhexyl)phthalate	<0.92	**6.7**	<0.33	<0.36	<0.38	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

RW-5A					
Date	8-Apr	8-Sep	9-Oct	10-Jun	11-May
fbgs	54-74	54-74	54-74	54-74	54-74
(msl)	(477-457)	(477-457)	(477-457)	(477-457)	(477-457)
Metals :					
Aluminum	**625**	185	**204**	145	**249 J**
Arsenic	**10**	<2.4	**3.5**	**3.6**	2.2 B
Iron	**605**	**1420**	**1290**	**829**	**750**
Lead	2.2	<1.7	<1.7	<1.9	1.6 J
Manganese	**234**	**320**	**209**	**184**	**198**
Sodium	34200	36600	**73300**	48000	16900
Zinc	10.3	6.4	3.4	4	< 20
VOCs and SVOCs:					
Benzene	<0.26	<0.23	<0.23	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	<0.86	<0.36	1.2	<0.39	< 0.36
PCBs:	ND	ND	ND	NA	ND

PM AIRSHAFT					
Date	08-Apr	08-Sep	09-Jul	09-Oct	10-Jun
fbgs	180	180	180	180	180
(msl)	348	348	348	348	348
Metals :					
Aluminum	< 200	76.2	129	28.4	25.8
Arsenic	< 3	<1.7	<2.4	<2.4	<1.4
Iron	**339**	**147000**	**68900**	**2250**	**348**
Lead	< 3	<1.4	2.7	<1.7	<1.9
Manganese	19.2	**2400**	**672**	**76.9**	24.9
VOCs and SVOCs:					
Benzene	< 1	**26.4**	**7.4**	0.6	<0.23
bis(2-Ethylhexyl)phthalate	< 2	<0.75	<0.33	**3.4**	<0.36
PCBs:	ND	ND	ND	ND	NA
—					
fbgs	220	220	230	230	230
(msl)	308.3	308.3	298.3	298.3	298.3
Metals :					
Arsenic	< 3	91.5	<2.4	<2.4	1.8
Iron	**148000**	<1.7	**68300**	**162000**	**144000**
Lead	**6.4**	**169000**	2.2	<1.7	<1.9
Manganese	**2490**	**2810**	**671**	**2730**	**2590**
VOCs and SVOCs:					
Benzene	**31.8**	**29.1**	**7.6**	**31.2**	**31**
bis(2-Ethylhexyl)phthalate	< 2	<0.75	1.6	**3.5**	<0.34
PCBs:	ND	ND	ND	ND	NA

RW-11		
Date	10-Jun	11-May
ftbgs	100-125	100-125
(msl)	(428-403)	(428-403)
Metals:		
Arsenic	<1.4	< 0.92
Iron	**1690**	**1540**
Lead	<1.9	< 3.0
Manganese	13	40.9
VOCs and SVOCs:		
Benzene	<0.23	< 0.22
Bis (2-ethylhexyl) phthalate	<0.39	1.3 J
PCBs:	NA	ND
—		
fbgs	142-167	142-167
(msl)	(386-361)	(386-361)
Metals :		
Arsenic	<1.4	< 0.92
Iron	**771**	**891**
Lead	<1.9	< 0.94
Manganese	15.5	39
VOCs and SVOCs:		
Benzene	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	<0.36	< 0.34
PCBs:	NA	ND
—		
fbgs	221-246	221-246
(msl)	(307-282)	(307-282)
Metals :		
Arsenic	<1.4	< 0.92
Iron	**636**	**833**
Lead	<1.9	< 3.0
Manganese	**125**	46.2
VOCs and SVOCs:		
Benzene	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	<0.38	1.6 J
PCBs:	NA	ND
—		
fbgs	252-272	252-272
(msl)	(276-256)	(276-256)
Metals :		
Arsenic	<1.4	< 0.92
Iron	**606**	**362**
Lead	<1.9	< 3.0
Manganese	**126**	15.7
VOCs and SVOCs:		
Benzene	<0.23	< 0.22
bis(2-Ethylhexyl)phthalate	<0.38	< 0.36
PCBs:	NA	ND

RW-4		
Date	10-Jun	11-May
fbgs	333-343	333-343
(msl)	(178-188)	(178-188)
Metals:		
Aluminum	NA	**1100**
Arsenic	NA	<0.92
Cadmium	NA	<0.17
Iron	NA	77.8
Lead	NA	1.4
Manganese	NA	1
Zinc	NA	8.3
VOCs and SVOCs:		
Benzene	NA	<0.22
bis (2-ethylhexyl) phthalate	NA	**5.4**
PCBs:	NA	ND
—		
fbgs	393-403	393-403
(msl)	(147-137)	(147-137)
Metals:		
Aluminum	**301**	150
Arsenic	2	1
Iron	**306**	150
Lead	2	1.3
VOCs and SVOCs:		
Benzene	<0.23	<0.22
bis (2-ethylhexyl) phthalate	<0.37	<0.37
PCBs:	ND	ND

RW-4A		
Date	10-Jun	11-May
ftbgs	62-72	62-72
(msl)	(477-467)	(477-467)
Metals:		
Arsenic	<1.4	<0.92
Iron	141	252
Lead	<1.9	1.4
Manganese	4.9	3.5
VOCs and SVOCs:		
Benzene	<0.23	<0.22
Bis (2-ethylhexyl) phthalate	<0.36	<0.33
PCBs:	NA	ND
—		
fbgs	113-123	113-123
(msl)	(426-416)	(426-416)
Metals :		
Arsenic	3	<0.92
Iron	51	49.1
Lead	<1.9	<0.94
Manganese	1.1	2.8
VOCs and SVOCs:		
Benzene	<0.23	<0.22
bis(2-Ethylhexyl)phthalate	<0.37	<0.34
PCBs:	NA	ND

OB-11R		
Date	10-Jun	11-May
ftbgs	25-40	25-40
(msl)	(503-488)	(503-488)
Metals:		
Aluminum	**637**	**4860**
Arsenic	**24.9**	**23.9**
Iron	**56700**	**66000**
Lead	<1.9	**7.4**
Manganese	**9580**	**10100**
VOCs and SVOCs:		
Benzene	**5.2**	**3.7**
Bis (2-ethylhexyl) phthalate	<0.36	<0.33
PCBs:	ND	ND

RW-3D		
Date	10-Jun	11-May
ftbgs	140-165	140-165
(msl)	(388-363)	(388-363)
Metals:		
Aluminum	**508**	148
Arsenic	<1.4	<0.92
Iron	**6450**	**3840**
Lead	<1.9	1.5
Manganese	**208**	**133**
VOCs and SVOCs:		
Benzene	<0.23	<0.22
Bis (2-ethylhexyl) phthalate	<0.38	2.4
PCBs:	ND	ND
—		
fbgs	170-181	170-181
(msl)	(358-347)	(358-347)
Metals :		
Aluminum	**563**	145
Arsenic	<1.4	1.6
Iron	**7560**	**4610**
Lead	<1.9	1.9
Manganese	**199**	**190**
VOCs and SVOCs:		
Benzene	<0.23	<0.22
bis(2-Ethylhexyl)phthalate	<0.36	1.9
PCBs:	ND	ND

RW-3		
Date	10-Jun	11-May
fbgs	77-87	77-87
(msl)	(451-441)	(451-441)
Metals:		
Aluminum	<7.8	47.5
Arsenic	<1.4	<0.92
Iron	134	37.9
Lead	<1.9	<0.94
Manganese	**146**	**109**
VOCs and SVOCs:		
Benzene	<0.23	<0.22
bis (2-ethylhexyl) phthalate	<0.39	<0.35
PCBs:	ND	ND

OB-27		
Date	10-Jun	11-May
ftbgs	24.5-39.5	24.5-39.5
(msl)	(505-490)	(505-490)
Metals:		
Arsenic	**20.5**	NA
Iron	**53600**	NA
Lead	<1.9	NA
Manganese	**9510**	NA
VOCs and SVOCs:		
Benzene	**5.9**	**6.5**
Bis (2-ethylhexyl) phthalate	<0.37	< 0.33
PCBs:	NA	ND

OB-19						
Date	8-Apr	8-Sep	9-Jul	9-Oct	10-Jun	11-May
ftbgs	5-20	5-20	5-20	5-20	5-20	5-20
(msl)	(526-511)	(526-511)	(526-511)	(526-511)	(526-511)	(526-511)
Metals :						
Aluminum	48.1	56.5	170	114	120	136 B
Arsenic	<1.7	**4**	<2.4	<2.4	<1.4	< 0.92
Iron	**10100**	**20000**	**37500**	**20500**	**19300**	**20700**
Lead	1.4	<1.4	<1.7	<1.7	<1.9	3.5
Manganese	**180**	**755**	**447**	**394**	**351**	**353**
VOCs and SVOCs:						
Benzene	0.56	0.37	**1.2**	0.39	0.29	0.90 J
bis(2-Ethylhexyl)phthalate	<0.95	<0.83	<0.33	<0.34	<0.38	< 0.33
PCBs:	ND	ND	ND	ND	NA	ND

GRAPHIC SCALE: 0 60' 120'

LEGEND:

- 530 — EXISTING CONTOUR
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- OB-27 — OVERBURDEN MONITORING WELL
- SG-1 — STAFF GAUGE
- RW-5 — BEDROCK MONITORING WELL
- SC-1 — DIRECTIONAL MONITORING WELL
- 601 — BLOCK
- 12 — LOT

	Well ID	bottom screen depth (ft bgs)	top screen depth (ft bgs)	bottom screen depth (ft msl)	top screen depth (ft msl)	Monitoring Method
Monitors Peter's Mine Pit	SC-1	70.9	64.4	461.63	468.13	Low Flow
Monitors Overburden	OB-11R	40	25	490.2	505.2	Low Flow
	OB-19	20	5	512.39	527.39	Low Flow
	OB-20A	20	5	513.67	528.67	Low Flow
	OB-20B	34	24	500.03	510.03	Low Flow
	OB-21	21	6	518.48	533.48	Low Flow
	OB-27	24.5	39.5	507.88	492.88	Low Flow
Monitors Bedrock	RW-3	87	77	441	451	Low Flow
	RW-3D	165	140	363	388	Low Flow
	RW-4	343	333	178	188	Low Flow
	RW-4A	72	62	467	477	Low Flow
	RW-5	119	99	414.48	434.48	Low Flow
	RW-5A	74	54	469.26	479.26	Low Flow
	RW-6	119	99	414.96	434.96	Low Flow
	RW-6A	78	58	456.32	476.32	Low Flow
	RW-7	119	99	420.43	440.43	Low Flow
	RW-11	125	100	405.15	430.15	Packer Testing
	RW-11	167	142	363.15	388.15	Packer Testing
	RW-11	246	221	284.15	309.15	Packer Testing
	RW-11	272	252	258.15	278.15	Packer Testing

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. SURFACE WATER ELEVATIONS FOR PMP AS RECORDED AT STAFF GAUGE 1 ON SEPTEMBER 22, 2008.
3. BEDROCK CONTOURS BASED ON INTERVAL 99 TO 125 FEET BELOW GROUND SURFACE (405-440 FT MSL).
4. RW-5A AND RW-6A NOT USED TO CONTOUR BEDROCK.
5. OB-20B AND OB-27 NOT USED TO CONTOUR OVERBURDEN.

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS IN THE PMP MAY 2011

ARCADIS

FIGURE **11**

R2-0003563

Appendix **A**

Test Trench and Test Pit Field Logs

ARCADIS

Test Pit Log

DATE 03.07.06

Trench TP-01 Project/No. NJ000593.0020.0001 Page 1 of 1

Site Location Ringwood, New Jersey Area Location PMP Trench Started 1122 Trench Completed 5/14/1903

Total Depth Excavated 2 Feet Trench Dimension (L x W) Feet Type of Sample/ Trenching Device Excavator 325

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Excavation Contractor Compass Environmental Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench Interval Sample/Trench Description	PID
0	0.5	Mine Tailings: sand size, coarse to fine, gray.	0.0
		SM with 6" to 8" of paint sludge and debris, PID reading.	0.0
0.5	1	Debris: Carpet pieces, Foam, and Rubber strips found along side paint sludge.	13.6
1	2	SM: Light brown or dark brown, fine to medium well graded sand with silt and clay, intermixed with debris. Soils have been reworked with layers below and above.	0.0
			0.0

ARCADIS

Test Trench Log

Date 03.07.06

Trench TT- 01A Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey | Area Location PMP | Trench Started 1319 | Trench Completed 0940 03.09.06

Total Depth Excavated 3 Feet | Trench Dimension (L x W) 67 x 8 Feet | Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass | Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from east end	Sample/Trench Description	PID
0	0.5	At 12 ft	Fill, Very Fine Sand and Silt; Gray fill material. Poly layer at 0.5	
0.9	1.3		Fine to Medium Sand, Orange with paint sludge.	
1.3	3		Fill, Coarse Sand; some Silt; little Gravel; with Debris of rusted metal and pieces od plastic	

ARCADIS

Test Trench Log

Date 03.08.06

Trench TT- 01B Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey | Area Location PMP | Trench Started 1319 03.07.06 | Trench Completed 0940 03.09.06

Total Depth Excavated 10 Feet | Trench Dimension (L x W) 67 x 8 Feet | Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass | Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from east end	Sample/Trench Description	PID
0	1	At 40 ft	Mine Tailings, Fine Sand; Gray, with Debris	
1	2		DEBRIS, Poly, metal scraps, plastic parts, metal strapping.	
2	4		Fill, Fine Sand, little Silt; Light brown.	
4	5		DEBRIS, Poly, metal strapping, OJ cartons (Tuscan Juice,	
			Union, NJ)	
5	8		Fill, Fine Sand; Gray and Light brown, with mine tailing.	
8	10		Debris, Fine Sand, little Silt; Dark brown, with Debris of	
			rotting lumber and metal scraps.	

ARCADIS

Test Trench Log

Date 03.08.06

Trench TT- 01C Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey

Area Location PMP

Trench Started 1319 03.07.06

Trench Completed 0940 03.09.06

Total Depth Excavated 10.5 Feet

Trench Dimension (L x W) 67 x 8 Feet

Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass

Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from east end	Sample/Trench Description	PID
0	1	At 45 ft	Mine Tailings, SILT with some Sand, Fine; Gray.	
			DEBRIS: Metal scraps, metal/plastic strapping, poly lining at	
			bottom of layer	
1	2.5		Fill, Fine Sand; some Silt, light brown.	
			DEBRIS: Metal scraps, plastic cylinders/caps, interior fabric.	
2.5	4		Fill, Medium Sand; trace Gravel; Dark brown.	
			DEBRIS: Metal scraps/strips	
4	6		Same as above, Light brown.	
			DEBRIS: Metal scraps/strips; Poly layer at bottom	
6	8		Mine Tailings, Gray, same as top layer.	
			DEBRIS: Poly layer at bottom	
8	9		Mine Tailings, Boulders and Cobbles, large.	
			DEBRIS: Wood debris (2" x 4")	
9	10		Medium Sand; trace Gravel; Light brown.	
			DEBRIS: Wood debris (2" x 4")	

ARCADIS

Test Trench Log

Date 03.08.06

Trench TT- 02A Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey

Area Location PMP

Trench Started 1325 03.09.06

Trench Completed 1509 03.10.06

Total Depth Excavated 4 Feet

Trench Dimension (L x W) 74 x 8 Feet

Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass

Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from west end	Sample/Trench Description	PID
0	1	At 13 ft	Mine Tailings, Fine Sand; Gray.	
1	3		Fill, Light brown Sand, mixed with some fine gray material, mine tailings.	
3	3.5		Mine Tailings, Gray material from above, more dense	
3.5	6		DEBRIS mixed with soil, netting.	
			Encountered water at 3 feet.	

ARCADIS

Test Trench Log

Date 03.08.06

Trench TT- 02B Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey | Area Location PMP | Trench Started 1325 03.09.06 | Trench Completed 1509 03.10.06

Total Depth Excavated 5 Feet | Trench Dimension (L x W) 74 x 8 Feet | Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass | Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from west end	Sample/Trench Description	PID
0	1	At 36 ft	SILT with Roots; Dark.	
1	3		Fill, Fine SAND; with Silt; trace Gravel; Light brown.	
3	4		DEBRIS, Foam.	
4	5		Debris with SILT; some Sand, Fine; Dark. Mixed with few gray fines. Poly	
			layer with blue plastic straps at 5 ft	
			Encountered water at 4 feet	

ARCADIS

Test Trench Log

Date 03.08.06

Trench TT- 02C Project/No. NJ000593.0014.0001 Page 1 of 1

Site Location Ringwood, New Jersey Area Location PMP Trench Started 1325 03.09.06 Trench Completed 1509 03.10.06

Total Depth Excavated 6 Feet Trench Dimension (L x W) 74 x 8 Feet Type of Sample/ Trenching Device 325

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Excavation Contractor Compass Equipment Operator Jeff

Prepared By B. Mason

Sample/Trench Depth (feet below land surface) From	To	Trench location from west end	Sample/Trench Description	PID
0	0.5	At 42 ft	Fill with Mine tailings, Fine material , Gray.	
0.5	2		Fill, Medium to Coarse Sand; Roots; Light brown.	
2	2.5		DEBRIS, foam, film.	
2.5	6		Fill, Gray; mixed with Sand; trace Boulders; Light brown.	

ARCADIS

Appendix **B**

Waste Characterization Data

Accutest Laboratories

Report of Analysis

Client Sample ID: PSWC(013111)RMP
Lab Sample ID: JA67277-1
Matrix: SO - Solid
Method: SW846 8260B SW846 1311
Project: Ringwood, NJ

Date Sampled: 01/31/11
Date Received: 02/01/11
Percent Solids: 74.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L239690.D	5	02/04/11	JNW	02/03/11	GP57346	VL5939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0012	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0081	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0013	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0019	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0014	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0017	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0020	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0013	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0012	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		76-120%
17060-07-0	1,2-Dichloroethane-D4	111%		64-135%
2037-26-5	Toluene-D8	106%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	PSWC(013111)RMP		
Lab Sample ID:	JA67277-1	**Date Sampled:**	01/31/11
Matrix:	SO - Solid	**Date Received:**	02/01/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	74.9
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P54788.D	1	02/07/11	NAP	02/05/11	OP48013	EP2368
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	0.0121	D023	200	0.020	0.011	mg/l	J
	3&4-Methylphenol	ND	D024	200	0.020	0.010	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.0080	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0039	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0022	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0037	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0037	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0026	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0025	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0027	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		13-68%
4165-62-2	Phenol-d5	22%		10-49%
118-79-6	2,4,6-Tribromophenol	107%		37-130%
4165-60-0	Nitrobenzene-d5	83%		25-112%
321-60-8	2-Fluorobiphenyl	91%		31-106%
1718-51-0	Terphenyl-d14	81%		14-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	PSWC(013111)RMP		
Lab Sample ID:	JA67277-1	**Date Sampled:**	01/31/11
Matrix:	SO - Solid	**Date Received:**	02/01/11
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	74.9
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW97582.D	1	02/07/11	TDR	02/05/11	OP48012	GWW3424
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0013	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00018	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	103%		50-142%
19719-28-9	2,4-DCAA	97%		50-142%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	PSWC(013111)RMP		
Lab Sample ID:	JA67277-1	**Date Sampled:**	01/31/11
Matrix:	SO - Solid	**Date Received:**	02/01/11
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	74.9
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G52907.D	1	02/06/11	TDR	02/05/11	OP48014	G3G1933
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000011	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00079	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.000031	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000020	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.000016	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00020	0.000068	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.0021	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		30-137%
877-09-8	Tetrachloro-m-xylene	74%		30-137%
2051-24-3	Decachlorobiphenyl	96%		10-137%
2051-24-3	Decachlorobiphenyl	101%		10-137%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: PSWC(013111)RMP
Lab Sample ID: JA67277-1
Matrix: SO - Solid
Project: Ringwood, NJ

Date Sampled: 01/31/11
Date Received: 02/01/11
Percent Solids: 74.9

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.017 B	D004	5.0	0.50	0.0014	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Barium	3.6	D005	100	1.0	0.00044	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Cadmium	0.021	D006	1.0	0.0050	0.00035	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Chromium	0.14	D007	5.0	0.010	0.00059	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Lead	23.6	D008	5.0	0.50	0.0019	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Mercury	0.000088 U	D009	0.20	0.00020	0.000088	mg/l	1	02/04/11	02/04/11	VK	SW846 7470A [1]
Selenium	0.0047 B	D010	1.0	0.50	0.0019	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]
Silver	0.00053 U	D011	5.0	0.010	0.00053	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [2]

(1) Instrument QC Batch: MA25790
(2) Instrument QC Batch: MA25793
(3) Prep QC Batch: MP56730
(4) Prep QC Batch: MP56743

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PSWC(013111)RMP		
Lab Sample ID:	JA67277-1	**Date Sampled:**	01/31/11
Matrix:	SO - Solid	**Date Received:**	02/01/11
		Percent Solids:	74.9
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.43 NC		su	1	02/04/11	LMM	SW846 CHAP7
Cyanide Reactivity	< 6.7	6.7	mg/kg	1	02/04/11 15:56	AE	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	02/07/11	PB	SW846 CHAP7/ASTM D93
Solids, Percent	74.9		%	1	02/04/11	DK	SM18 2540G
Sulfide Reactivity	< 130	130	mg/kg	1	02/07/11	NP	SW846 CHAP7/9034

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: HOWC(013111)PMP
Lab Sample ID: JA67277-2
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: Ringwood, NJ

Date Sampled: 01/31/11
Date Received: 02/01/11
Percent Solids: 92.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L239691.D	5	02/04/11	JNW	02/03/11	GP57302	VL5939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0012	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0081	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0013	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0019	mg/l	
67-66-3	Chloroform	0.0464	D022	6.0	0.0050	0.0012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0014	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0017	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0020	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0013	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0012	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-120%
17060-07-0	1,2-Dichloroethane-D4	108%		64-135%
2037-26-5	Toluene-D8	106%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	HOWC(013111)PMP		
Lab Sample ID:	JA67277-2	**Date Sampled:**	01/31/11
Matrix:	SO - Soil	**Date Received:**	02/01/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	92.6
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P54789.D	1	02/07/11	NAP	02/05/11	OP48013	EP2368
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.011	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.010	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.0080	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0039	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0022	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0037	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0037	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0026	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0025	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0027	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		13-68%
4165-62-2	Phenol-d5	20%		10-49%
118-79-6	2,4,6-Tribromophenol	95%		37-130%
4165-60-0	Nitrobenzene-d5	80%		25-112%
321-60-8	2-Fluorobiphenyl	85%		31-106%
1718-51-0	Terphenyl-d14	74%		14-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	HOWC(013111)PMP		
Lab Sample ID:	JA67277-2	**Date Sampled:**	01/31/11
Matrix:	SO - Soil	**Date Received:**	02/01/11
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	92.6
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW97581.D	1	02/07/11	TDR	02/05/11	OP48012	GWW3424
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0013	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00018	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	124%		50-142%
19719-28-9	2,4-DCAA	113%		50-142%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	HOWC(013111)PMP		
Lab Sample ID:	JA67277-2	**Date Sampled:**	01/31/11
Matrix:	SO - Soil	**Date Received:**	02/01/11
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	92.6
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G52908.D	1	02/06/11	TDR	02/05/11	OP48014	G3G1933
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000011	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00079	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.000031	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000020	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.000016	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00020	0.000068	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.0021	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		30-137%
877-09-8	Tetrachloro-m-xylene	84%		30-137%
2051-24-3	Decachlorobiphenyl	103%		10-137%
2051-24-3	Decachlorobiphenyl	109%		10-137%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: HOWC(013111)PMP
Lab Sample ID: JA67277-2
Matrix: SO - Soil
Project: Ringwood, NJ

Date Sampled: 01/31/11
Date Received: 02/01/11
Percent Solids: 92.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.0014 U	D004	5.0	0.50	0.0014	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Barium	0.36 B	D005	100	1.0	0.00044	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Cadmium	0.0012 B	D006	1.0	0.0050	0.00035	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Chromium	0.0050 B	D007	5.0	0.010	0.00059	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Lead	0.11 B	D008	5.0	0.50	0.0019	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Mercury	0.000088 U	D009	0.20	0.00020	0.000088	mg/l	1	02/07/11	02/07/11	JW	SW846 7470A [2]
Selenium	0.0019 U	D010	1.0	0.50	0.0019	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]
Silver	0.00053 U	D011	5.0	0.010	0.00053	mg/l	1	02/05/11	02/07/11	VC	SW846 6010B [1]

(1) Instrument QC Batch: MA25793
(2) Instrument QC Batch: MA25794
(3) Prep QC Batch: MP56700
(4) Prep QC Batch: MP56710

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	HOWC(013111)PMP		
Lab Sample ID:	JA67277-2	**Date Sampled:**	01/31/11
Matrix:	SO - Soil	**Date Received:**	02/01/11
		Percent Solids:	92.6
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.80 NC		su	1	02/04/11	LMM	SW846 CHAP7
Cyanide Reactivity	< 5.4	5.4	mg/kg	1	02/04/11 15:58	AE	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	02/07/11	PB	SW846 CHAP7/ASTM D93
Solids, Percent	92.6		%	1	02/04/11	DK	SM18 2540G
Sulfide Reactivity	< 110	110	mg/kg	1	02/07/11	NP	SW846 CHAP7/9034

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: WC(012411)PMP
Lab Sample ID: JA66735-1
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: Ringwood, NJ

Date Sampled: 01/24/11
Date Received: 01/24/11
Percent Solids: 86.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L239632.D	5	01/26/11	JNW	01/25/11	GP57222	VL5935
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0012	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0081	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0013	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0019	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0014	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0017	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0020	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0013	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0012	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	82%		64-135%
2037-26-5	Toluene-D8	104%		76-117%
460-00-4	4-Bromofluorobenzene	82%		72-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WC(012411)PMP		
Lab Sample ID:	JA66735-1	**Date Sampled:**	01/24/11
Matrix:	SO - Soil	**Date Received:**	01/24/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	86.8
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F94719.D	1	01/28/11	NAP	01/28/11	OP47876	EF4421
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.011	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.010	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.0080	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.013	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0039	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0022	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0037	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0037	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0026	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0025	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0027	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		13-68%
4165-62-2	Phenol-d5	30%		10-49%
118-79-6	2,4,6-Tribromophenol	86%		37-130%
4165-60-0	Nitrobenzene-d5	98%		25-112%
321-60-8	2-Fluorobiphenyl	93%		31-106%
1718-51-0	Terphenyl-d14	95%		14-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WC(012411)PMP		
Lab Sample ID:	JA66735-1	**Date Sampled:**	01/24/11
Matrix:	SO - Soil	**Date Received:**	01/24/11
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	86.8
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW97371.D	1	01/28/11	TDR	01/27/11	OP47861	GWW3418
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Herbicide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0013	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00018	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	114%		50-142%
19719-28-9	2,4-DCAA	98%		50-142%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WC(012411)PMP
Lab Sample ID: JA66735-1
Matrix: SO - Soil
Method: SW846 8081A SW846 3510C
Project: Ringwood, NJ

Date Sampled: 01/24/11
Date Received: 01/24/11
Percent Solids: 86.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G3506.D	1	01/28/11	OPM	01/27/11	OP47871	G4G97
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Pesticide TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000011	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00079	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.000031	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000020	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.000016	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00020	0.000068	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.0021	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		30-137%
877-09-8	Tetrachloro-m-xylene	64%		30-137%
2051-24-3	Decachlorobiphenyl	89%		10-137%
2051-24-3	Decachlorobiphenyl	85%		10-137%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WC(012411)PMP
Lab Sample ID: JA66735-1
Matrix: SO - Soil
Project: Ringwood, NJ

Date Sampled: 01/24/11
Date Received: 01/24/11
Percent Solids: 86.8

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.013 B	D004	5.0	0.50	0.0026	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Barium	1.2	D005	100	1.0	0.00025	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Cadmium	0.031	D006	1.0	0.0050	0.00052	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Chromium	0.0081 B	D007	5.0	0.010	0.00056	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Lead	1.9	D008	5.0	0.50	0.0013	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Mercury	0.000088 U	D009	0.20	0.00020	0.000088	mg/l	1	01/27/11	01/27/11	JW	SW846 7470A [1]
Selenium	0.013 B	D010	1.0	0.50	0.0023	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]
Silver	0.00052 U	D011	5.0	0.010	0.00052	mg/l	1	01/27/11	01/28/11	ND	SW846 6010B [2]

(1) Instrument QC Batch: MA25746
(2) Instrument QC Batch: MA25748
(3) Prep QC Batch: MP56621
(4) Prep QC Batch: MP56659

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	WC(012411)PMP		
Lab Sample ID:	JA66735-1	**Date Sampled:**	01/24/11
Matrix:	SO - Soil	**Date Received:**	01/24/11
		Percent Solids:	86.8
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	6.95 NC		su	1	01/25/11	SA	SW846 CHAP7
Cyanide Reactivity	< 5.8	5.8	mg/kg	1	01/28/11 10:01	VA	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	01/28/11	LMM	SW846 CHAP7/ASTM D93
Solids, Percent	86.8		%	1	01/25/11	DK	SM18 2540G
Sulfide Reactivity	< 120	120	mg/kg	1	01/29/11	AD	SW846 CHAP7/9034

RL = Reporting Limit

ARCADIS

Appendix **C**

Input Values and Calculations for Impact to Groundwater Soil Cleanup Numbers

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant: **Cobalt (total)**

CAS No:	7440-48-4
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	0.5
Soil reporting limit (mg/kg):	5
Health-based GWQC (µg/L):	100
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	45
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	5.8699E+01

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Data entry cells
Optional data entry
Calculated or locked cells
Standard needs to be recalculated

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**59**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Data entry cells
Optional data entry
Calculated or locked cells
Standard needs to be recalculated

Contaminant:	**Thallium**
CAS No:	7440-28-0
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	2
Soil reporting limit (mg/kg):	3
Health-based GWQC (µg/L):	0.5
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	48
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	3.1300E-01

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**3**	**mg/kg**	***controlled by soil PQL***

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Selenium**
CAS No:	7782-49-2
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	4
Soil reporting limit (mg/kg):	4
Health-based GWQC (µg/L):	40
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	14
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	7.3597E+00

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**7**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	Nickel
CAS No:	7440-02-0
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	4
Soil reporting limit (mg/kg):	4
Health-based GWQC (µg/L):	100
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	24
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	3.1399E+01

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**31**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	Mercury
CAS No:	7439-97-6
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	0.05
Soil reporting limit (mg/kg):	0.1
Health-based GWQC (µg/L):	2
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	0.2
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	9.1867E-03

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**0.1**	**mg/kg**	***controlled by soil PQL***

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	Manganese
CAS No:	7439-96-5
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	0.4
Soil reporting limit (mg/kg):	2
Health-based GWQC (µg/L):	50
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	65
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	4.2350E+01

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**42**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

	Data entry cells
	Optional data entry
	Calculated or locked cells
	Standard needs to be recalculated

Contaminant:	**Lead**
CAS No:	7439-92-1
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	5
Soil reporting limit (mg/kg):	1
Health-based GWQC (µg/L):	5
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	900
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	5.8510E+01

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**59**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	Copper
CAS No:	7440-50-8
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	4
Soil reporting limit (mg/kg):	3
Health-based GWQC (µg/L):	1300
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	430
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	7.2696E+03

		Data entry cells
		Optional data entry
		Calculated or locked cells
		Standard needs to be recalculated

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**7300**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

	Data entry cells
	Optional data entry
	Calculated or locked cells
	Standard needs to be recalculated

Contaminant: **Chloroform**

CAS No:	67-66-3
Water solubility (mg/L):	7920
Aqueous reporting limit (µg/L):	1
Soil reporting limit (mg/kg):	0.005
Health-based GWQC (µg/L):	70
Henry's law constant (dimensionless):	0.15
Koc (L/kg):	39.8
Kd (L/kg):	0.0796
Csat (mg/kg):	1990
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	2.2835E-01

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**0.2**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Cadmium**
CAS No:	7440-43-9
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	0.5
Soil reporting limit (mg/kg):	0.5
Health-based GWQC (µg/L):	4
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	23
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	1.2040E+00

		Data entry cells
		Optional data entry
		Calculated or locked cells
		Standard needs to be recalculated

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**1**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Beryllium**
CAS No:	7440-41-7
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	1
Soil reporting limit (mg/kg):	0.5
Health-based GWQC (µg/L):	1
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	35
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	4.5699E-01

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**0.5**	**mg/kg**	***controlled by soil PQL***

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Barium**
CAS No:	7440-39-3
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	200
Soil reporting limit (mg/kg):	20
Health-based GWQC (µg/L):	6000
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	17
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	1.3380E+03

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**1300**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Arsenic**
CAS No:	7440-38-2
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	3
Soil reporting limit (mg/kg):	1
Health-based GWQC (µg/L):	0.02
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	26
Csat (mg/kg):	-
Natural background (mg/kg)	19
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	6.7999E-03

	Data entry cells
	Optional data entry
	Calculated or locked cells
	Standard needs to be recalculated

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**19**	**mg/kg**	***controlled by ambient background***

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Antimony**
CAS No:	7440-36-0
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	3
Soil reporting limit (mg/kg):	6
Health-based GWQC (µg/L):	6
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	45
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	3.5220E+00

Data entry cells		
Optional data entry		
Calculated or locked cells		
Standard needs to be recalculated		

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**6**	**mg/kg**	***controlled by soil PQL***

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Aluminum**
CAS No:	7429-90-5
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	30
Soil reporting limit (mg/kg):	20
Health-based GWQC (µg/L):	200
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	1500
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	3.9004E+03

		Data entry cells
		Optional data entry
		Calculated or locked cells
		Standard needs to be recalculated

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**3900**	**mg/kg**

NJDEP Partitioning Spreadsheet, V2.0, 12/08

Case name/area of concern:	Peter's Mine Pit
Case number:	Peter's Mine RI
Sampling date:	5/15/2007

Contaminant:	**Zinc**
CAS No:	7440-66-6
Water solubility (mg/L):	-
Aqueous reporting limit (µg/L):	10
Soil reporting limit (mg/kg):	6
Health-based GWQC (µg/L):	2000
Henry's law constant (dimensionless):	0
Koc (L/kg):	-
Kd (L/kg):	23
Csat (mg/kg):	-
Natural background (mg/kg)	-
Health-based Impact to Groundwater Soil Cleanup Criteria (mg/kg):	6.0199E+02

Fraction organic carbon (0.002, or site-specific if approved) (g/g):	0.002	variable
Total porosity, n (v/v)	0.41	constant
Water content, 2_w (v/v)	0.23	constant
Air content, 2_a (v/v)	0.18	constant
Dry soil bulk density, D_b (g/cm^3)	1.5	constant
DAF (13, or site-specific if approved):	13	variable

	Data entry cells
	Optional data entry
	Calculated or locked cells
	Standard needs to be recalculated

Calculate Site-specific Impact-to-Groundwater Soil Cleanup Standard

NJDEP Site-specific Impact-to-Groundwater Soil Cleanup Standard:	**600**	**mg/kg**

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Appendix **D**

Rotosonic Soil Boring Logs for Directional Borings

ARCADIS GERAGHTY & MILLER

Unconsolidated Boring Log

Boring/Well	SC-1
Project Number	NJ000593.0001
Client Name	Ford
Site Location	Ringwood, NJ
Date	3/21/2006
Prepared by	AMF
Start Time and Date	3/21/06 13:50
Finish Time and Date	3/22/06 16:50
PID or FID with Lamp Size	PFD Noel
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Prosonic
Driller & Helper	Brian, Craig
Drilling Method	Sonic
Sampling Interval	Continuous
Hammer Weight	--
Drop Height	--
Total Depth Drilled	angled=150' - vertical=97.5
Borehole Diameter	6"
Drilling Fluid Used	water
Sample Device	Sonic core
Dimensions	4" x 10'

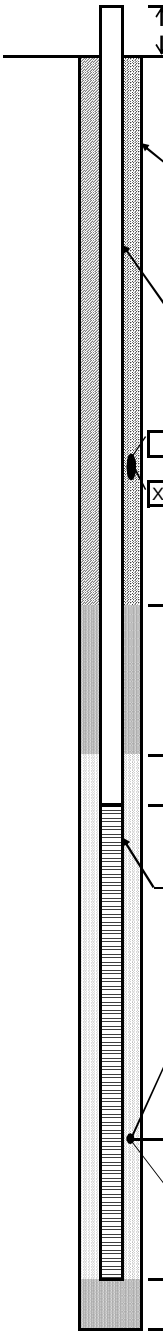
A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
3/21/06		0-10	10	0-2	6.2	0-8' GRAVEL up to 30 mm, angular with some sand fine to coarse, dry fill (platform material)						
13:50				2-4	13.3	8'-8.5' Black Silt; with SAND Fine to Medium (top soil), organic rich, dry roots up to 5 mm						
				4-6	8.5	8.5'-10' GRAVEL, Coarse (up to 30 mm), Angular; some Sand, Fine to Coarse; some Silt; Dry (fill).						
				6-8	1.9							
				8-10	1.9							
14:10		10-20	7	10-12	0.2	0-2.5' Same as above except with cobbles up to 100 mm and wood up to 1.5"x4"						
				12-14	0.4	2.5'-4' Mine Tailings and Sand, Coarse, Black; some Gravel; Dry.						
				14-16	3.1	4'-7' Mine tailings, Silt, Clay, Gray; some Sand, Fine to Coarse; little gravel, Medium to Coarse.						
				16-18	4.6							
				18-20	4.1							
14:30		20-30	6	0-2		0-1' WOOD, Black (1"x4" fragment); some Gravel, Fine to Coarse (up to 20 mm).						
				2-4	4.5	1'-4' SAND, Fine to Medium, black; some Gravel, Coarse; little Sand, Coarse, black (tailings).						
				4-6	4.6	4'-6' WOOD; little Sand, Fine to Coarse; little Gravel, Medium to Coarse; Angular, Strong odor						
				6-8	6.9							
				8-10	32.8							
14:40		30-40	3	0-3	4.5	0-0.5' WOOD, Shingles, tar paper; some Sand, Fine to Coarse; little Gravel; Fine.						
	SC-1(30-40)					0.5'-3' Black debris, plastic, about 1.5" diameter, wood 1"x4", other plastic debris. Some soil material as above,						

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
						trace glass and metal.
15:00		40-50	3	0-3	14	0-1.5' Mine Tailings, Sand, Fine to Medium, black; trace Gravel, Fine to Medium; Well sorted.
	SC-1(40-50)				23	1.5'-3' DEBRIS; some SAND, Fine to Coarse; some Gravel; Fine to Medium; Odor.
						Gray wood construction debris, 3"x3" with fiber glass insulation and 4" chunks of cardboard, layer 5" thick
						of vinyl material mixed with some fine-coarse sand and gravel up to 30 mm. Mostly debris, sewage smell,
						cardboard corrugation is visible, very little decay
3/22/06						
8:40		50-60	7	0-2	6.5	0-2.2' Mine Tailings, Sand, Fine to Coarse; trace Gravel; Well-sorted, black, wet.
	SC-1(54-56)			2-5	9.8	CARDBOARD, very little soil material. Soil material is SILT, Medium; with Clay; Brown. Piece of plastic present with
						orange spray paint.
				5-7	15.2	3.2'- 7' DEBRIS, wood, ruff sawn 2"x4", 1.7' in length with beer cans, plastic, rubber. SAND, f-c.; and Silt; trace
						Gravel Little decay
9:15		60-70	6.5	0-3	21.9	0-6.5' Mine Tailings, Sand, f-c., Black, medium density; with Cardboard (2"x4",chunks corrugated); and wood chunks.
	SC-1(63-65)			3-6.5	14.1	DEBRIS, Wood (up to 11" long 2"x3"), angular, fragments; metal pieces. Layers visible in cardboard, very little decay
9:45		70-80	3.5	0-2	1.6	0-0.5" Same as above. SAND, Fine to Coarse; with Cardboard.
	SC-1(70-80)			2-3.5	2.1	0.5'-2.5' COBBLES, Medium to Coarse, angular; Granite; some SAND, Fine to Coarse; some Silt.
						2.5'-3.5' DEBRIS, Wood (up to 1" x 10"); and Sand, Fine to Coarse; some Gravel, Coarse Wood.
						2"x3" broken, some plastic sheeting, thin piece, 3"x4", very little decay
10:15		80-90	8	0-2	37.8	0-3.5' Same as above. Wood up to 14" length, plastic cap 3" in diameter
	SC-1(88-90)			2-4	20.1	3.5'-6' DEBRIS, Cardboard, corrugated; Dense, brown.
				4-6	th Below La	6'-8' DEBRIS, wood (up to 8"), black; and vinyl. Sand, Fine to Coarse; and plastic chunks (1/8" thick, up to 3" in size).
				6-8	825	
10:55		90-100	8.5	0-2	7	0-2.8' DEBRIS, cardboard, wood, metal, plastic as described above; Moist; trace Sand, Fine to Coarse.
	SC-1(93-95)			2-4	15.4	2.8'-7.0' DEBRIS, Black roofing felt / tar paper material; trace Sand, Fine to Coarse.
				4-6	69.4	7.0'-8.5' DEBRIS, Paint sludge (chunks, "handful" golf ball size), wood, plastic, copper mesh, tin, trace
				6-8.5	36.1	Sand, Fine to Coarse.
11:35		100-110	7.5	0-2	7.9	0-2' DEBRIS, wood and plastic sheeting (up to 12" length), paint sludge fragments (5mm); Very little decay
	SC-1(104-106)			2-4	17.8	2'-6' Same as above, except no paint sludge. Some cardboard
				4-6	15.7	6'-7.5' DEBRIS, wood. SAND, Fine to Coarse; and Silt; with paint sludge (2mm in diameter), angular, up to 1"x3",

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
				6-7.5	43.5	slight odor. Little cardboard and thin plastic sheeting
13:15		110-120	4	0-2	59.4	0-0.5' DEBRIS, Vinyl stuck to fiber board, metallic blue color
	SC-1(110-120)			2-4	21.1	0.5'-4' Mine Tailings, Sand, f-c., black; some Debris, wood (2"x3") and plastic pieces (wheels 1.5' diameter x 0.5'"),
						metal wires, paint sludge at 3.8', little Gravel, Coarse.
						very little decay
13:55		120-130	8	0-2	10.3	0-8' Mine Tailings, Sand, Fine to Coarse; and Gravel, Fine to Medium; trace Silt; Angular.
				2-4	16.1	No stratification, more gravel than sand
				4-6	12.2	
				6-8	21.6	
14:45		130-140	10	0-2	14.6	0-10' Same as above
	SC-1(138-140)			2-4	12.6	
				4-6	27.1	
				6-8	25.6	
				8-10	21.9	
16:00		140-150	9	0-2	2.6	0-6' Same as above
	SC-1(144-146)			2-4	4.6	6'-10' Bedrock consisting of weathered granite, high clay content with more competent layer up to 8" think
				4-6	9.1	
				6-8	17.8	
				8-10	23.6	
16:50						End of boring

ARCADIS GERAGHTY & MILLER

Well Construction Log



Project Ford Ringwood Well SC-1

Town/City Ringwood

angled=150' - vertical=97.5

County _____ State NJ

Permit No. _____

Land-Surface Elevation and Datum:

_____ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 3/23/2006

Drilling Method Sonic

Drilling Contractor Prosonic

Drilling Fluid Water

Development Technique(s) and Date(s)

_____

Fluid Loss During Drilling 1500 gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

CARDBOARD, very little soil material. Soil material is SILT, Medium; with Clay; Brown. Piece of plastic present with orange spray paint.

Well Purpose _____

Remarks _____

Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Angled Depth Below Land Surface

Prepared by _____

ARCADIS GERAGHTY & MILLER

Unconsolidated Boring Log

Boring/Well	SC-2
Project Number	NJ000593.0001
Client Name	Ford
Site Location	Ringwood, NJ
Date	3/27/2006
Prepared by	JC
Start Time and Date	3/27/06 14:45
Finish Time and Date	3/29/06 11:30
PID or FID with Lamp Size	PFD Noel
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Prosonic
Driller & Helper	Brian, Copala
Drilling Method	Sonic
Sampling Interval	Continuous
Hammer Weight	--
Drop Height	--
Total Depth Drilled	angled=150' - vertical=97.5
Borehole Diameter	6"
Drilling Fluid Used	water
Sample Device	Sonic core
Dimensions	4" x 10'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
3/27/06		0-10	7	0-2		SAND, Fine to Coarse; with Gravel, little silt; Dry, brown, fill.						
14:45				2-4		as above						
				4-6		as above						
				6-8	2	SAND, Fine to Coarse, Gray; some Silt; little Gravel up to 3", plastic and metal debris, wet						
				8-10	8.8	as above						
15:20		10-20	5	0-2	2	as above						
	SC-2 (18-20)			2-4	8	CLAY; some SAND, Fine to Coarse; trace Gravel, Fine up to 1". Gray, organic, slight organic odor, wet, gray.						
				4-6	3							
				6-8	10	as above with wood fragments, plastic debris, wet						
				8-10	15							
15:40		20-30	6	0-2	3	As above						
	SC-2(24-26)			2-4	3	Mine Tailings, Sand, Fine to Medium; trace Gravel (28'); Dark gray, wet, little metal debris, wire, plastic up to 4"						
				4-6	5							
				6-8	4							
				8-10	5							
		30-40	7	0-2	0.5	DEBRIS, wood pallet and fragments, plastic debris, cardboard, metal strings. SAND, Fine to Medium; little Silt; Strong						
				2-4	0.5	organic odor, wet, size 3"x4"						
				4-6	1							
				6-8	3							

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
15:55	SC-2(38-40)			8-10	5							
8:50		40-50	9	0-2	0.5	As above with pallet wood, cardboard up to 4", wiring, plastic debris, wet, organic odor,						
				2-4	0.5							
	SC-2(44-46)			4-6	0.2							
				6-8	0.5							
				8-10	0.5	CARDBOARD, very little soil material. Soil material is SILT, Medium; with Clay; Brown. Piece of plastic present with						
						orange spray paint.						
		50-60	3	0-2	0	DEBRIS, wood, crushed pallets with trace fine sand, dark brown, wet, organic odor						
				2-4	0							
				4-6	0							
				6-8	0							
				8-10	0							
		60-70	7	0-2	10	Mine Tailings, Sand, Fine; some wood plastic debris up to 6"; Dark brown, wet, organic odor						
				2-4	10							
				4-6	75							
9:45	SC-2(68-70)			6-8	100	Mine Tailings, Sand, f-m.; little Silt; with Wood debris up to 3"; plastic, sweet solvent-like odor; Wet, dark brown.						
				8-10	125							
		70-80	3	0-2	th Below La	As above, with gneiss cobbles (6"), wet						
				2-4	7							
				4-6	15	Pink stained paper-like substance with solvent-like odor						
10:15	SC-2(74-76)			6-8	5							
				8-10	5							
		80-90	5	0-2	0.5	As above						
				2-4	4	Black debris with pallet up to 4", wood, plastic sheets, rags, cardboard						
11:05	SC-2(82-84)			4-6	3	Rubber hosing; trace Sand, Fine to Medium; Wet, solvent-like odor on rags, rags stained white						
				6-8	2							
				8-10	0.5							

A	B	C	D	E	F	G
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency; 2 Soil Color; 3 Grain Size Modifier; 4 Grain Size; 5 Secondary Characteristics; 6 Moisture Content; 7 to 9 Remarks and Other Characteristics
		90-100	8	0-2	0	Dark brown wood debris up to 6", cardboard, with little fine to medium sand, to fine gravel, organic odor, wet
12:00	SC-2(92-94)			2-4	0	
				4-6	0	
				6-8	0	
				8-10	0	
		100-110	8	0-2	2	Dark brown wood debris up to 6", some plastic with foam-like material attached, metal brackets, boots, tore paper
14:20	SC-2(104-106)			2-4	1.5	shingle like material, trace fine to coarse sand, wet, slight organic odor
				4-6	3	
				6-8	5	
				8-10	2	As above with insulation-like material
		110-120	7.5	0-2	5	Brown wood pallet chunks up to 6", cardboard, bolts, gaskets w/ little fine to coarse sand to gravel, wet, organic odor
15:20	SC-2(116-118)			2-4	3	
				4-6	2.5	
				6-8	12	
				8-10	3	
		120-130	8.5	0-2	0	as above
15:30	SC-2(116-118)			2-4	0	Mine Tailings, Dark brown fine to coarse sand to silt, no odor, wet.
				4-6	0	
				6-8	0	
				8-10	0	
		130-140	9	0-2	0	As above, with cobble (4")
16:00	SC-2(134-136)			2-4	0	
				4-6	0	
				6-8	0	
				8-10	0	
		140-150		0-2		As above
9:40	SC-2(144-145)			2-4		
				4-5		Mine Tailings, black weathered rock consists of clay, silts and fine sand.
				5-		Bedrock consists of granite
						End of boring

ARCADIS GERAGHTY & MILLER

Unconsolidated Boring Log

Boring/Well	SC-3
Project Number	NJ000593.0001
Client Name	Ford
Site Location	Ringwood, NJ
Date	3/29/2006
Prepared by	JC
Start Time and Date	3/29/06 16:00
Finish Time and Date	3/30/06 11:50
PID or FID with Lamp Size	
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Prosonic
Driller & Helper	Brian, Copala
Drilling Method	Sonic
Sampling Interval	Continuous
Hammer Weight	--
Drop Height	--
Total Depth Drilled	angled=90' - vertical=58.5
Borehole Diameter	6"
Drilling Fluid Used	water
Sample Device	Sonic core
Dimensions	4" x 10'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
3/29/06		0-10	9	0-2	0	SAND, Fine to Coarse; with Gravel; Light brown (fill and platform material)						
				2-4	0							
				4-6	0							
				6-8	0							
				8-10	0							
		10-20	7	0-2	0	SAND, Fine to Medium; some Silt to Gravel up to 3"; Brown; with pallet wood, cardboard, metal wire,						
16:30	SC-3(16-18)			2-4	0	slight organic odor, wet						
				4-6	0							
				6-8	0							
				8-10	0							
		20-30	7	0-2	0	As above with foam and plastic, wet and organic odor						
16:45	SC-3(24-26)			2-4	0							
				4-6	1.5							
				6-8	0.5							
				8-10	0.5							
		30-40	5	0-2	0	DEBRIS, Wood pallet pieces up to 7" with cardboard (no fines to sample), some plastic strips and metal wire, slight						
				2-4	0	organic odor.						
				4-6	0							
				6-8	0							
				8-10	0							

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		40-50	8	0-2	0	DEBRIS, Brown cardboard, pallet wood, plastic debris, wiring with trace fine to coarse sand, wet, purple string on						
9:00	SC-3(44-46)			2-4	0	cardboard. No soil.						
				4-6	0							
				6-8	0							
				8-10	0							
						CARDBOARD, very little soil material. Soil material is SILT, Medium; with Clay; Brown. Piece of plastic present with						
						orange spray paint.						
		50-60	5	0-2	0	DEBRIS, Pallet wood pieces up to 6" with trace plastic debris. No soil or fines to sample						
				2-4	0							
				4-6	0							
				6-8	0							
				8-10	0							
		60-70	3.5	0-2	0	COBBLES, Gneiss up to 8"; with little pallet wood up to 6"; wet. No odors, no soil/fines to sample (Waste Rock)						
				2-4	0							
				4-6	0							
				6-8	0							
				8-10	0							
		70-80	3	0-2	0	Mine Tailings, Sand, f-m.; trace gravel up to 2"; Dark brown; trace wire, plastic debris, wet with organic odors						
10:05	SC-3(75-77)			2-4		* Angled Depth Below Land Surface						
				4-6	0							
				6-8	0	Mine Tailings, Sand, Fine to Coarse to Gravel up to 2"; trace Wood pieces, wet, brown.						
				8-10	0							
		80-90	10	0-2		Mine Tailings, Sand, Fine to Coarse; little silt; Wet, dark brown.						
10:35	SC-3(82-84)			2-4								
				4-6		CONCRETE to 90' (84'-90')						
				6-8								
				8-10								
				10-12								
						End of boring@90'						

ARCADIS GERAGHTY & MILLER

Unconsolidated Boring Log

Boring/Well	SC-3A
Project Number	NJ000593.0001
Client Name	Ford
Site Location	Ringwood, NJ
Date	3/31/2006
Prepared by	JC/BM
Start Time and Date	3/31/06
Finish Time and Date	4/3/06
PID or FID with Lamp Size	
Calibration Gas/Time/Results	

Boring Location Sketch

Drilling Contractor	Prosonic
Driller & Helper	Brian, Copala
Drilling Method	Sonic
Sampling Interval	Continuous
Hammer Weight	--
Drop Height	--
Total Depth Drilled	angled=112' - vertical=72.8
Borehole Diameter	6"
Drilling Fluid Used	water
Sample Device	Sonic core
Dimensions	4" x 10'

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)	1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
3/31/06		0-10	7	0-2	0	SAND, Fine to Coarse; with Gravel; little Silt-moist (platform fill); Dark brown.						
				2-4	0	as above						
				4-6	0	as above						
				6-8	0	as above						
				8-10	0	SILT; some Sand, Fine to Coarse; Gravel, Fine; with Cobbles; Wet, slight organic odor, dark brown, organic.						
		10-20	7	0-2	2.8	SILT; with Sand, Fine to Coarse; some Wood (pallet pieces, up to 8"); Wet, dark brown, organic						
10:50	SC-3A(12-14)			2-4	2.8	SAND, Fine to Coarse; some Silt; Dark brown, wet. Pallet wood fragments, and wire.						
				4-6	0.1	CLAY; with Sand, Fine; trace Wood (pallet debris); Dark brown, wet.						
				6-8	0.1	SAND, Fine to Coarse; with Wood (pallet fragments), glass, plastic debris, cardboard; Wet, dark brown.						
				8-10	0.3	as above						
		20-30		0-1	0	as above						
11:15	SC-3A(21-23)			1-3	15	as above with pink leather-like material, no odor, wet						
				3-10	0	Mine Tailings, Sand, f-m.; with Silt; Black; Debris, wood (pallet debris up to 4"), bolts, glass, slight organic odor, wet						
4/3/06												
9:59		30-40	4	0-5	0	0-2	DEBRIS, Wood pallets (1"x3-5"); trace Poly (clear); 1 cone shape (orange in color) present at 0-0.5'. No soil material					
				5-10	0	2-4	Same as above, Larger wood pallets; 1 poly (clear) piece, 2"x4-6"; 1 orange cone piece (like above) at 3.5'-4'. No soil					
							material					
10:35		40-50	4.8	0-2.5	0	0-1.2	CONCRETE material, most intact comes with shape of cone; SAND, Fine to Medium; trace Silt; trace Clay, surrounding					
							cement; Gray.					
				2.5-4.1	0	1.2-2	SAND, Coarse; with Gravel, Coarse. Cobble quartz with few black veins. Aggregate-like material.					
				4.1-10	0	2-4.8	CONCRETE material (see 0-1.2 above). SAND, Fine to Coarse; trace Clay; with Cobbles.					
							Cobble and gravel are quartz (some with a few magnetite like veins)					

R2-0003618

A	B	C	D	E	F	G						
Sample Time	Sample ID & Type	Sample Interval (ft bls)	Sample Core Recovery (ft)	PID Survey Interval	PID (ppm)		1 Density/ Consistency	2 Soil Color	3 Grain Size Modifier	4 Grain Size	5 Secondary Characteristics	6 Moisture Content	7 to 9 Remarks and Other Characteristics
		50-60	5.6	0-2	0	0-1.8	Piece of quartz 5" in length, full diameter of core;					
10:55	SC-3A (58-60)			2-3.2	0		Wood pallet up to 6" in length (1"-2" wide). No soil material					
				3.2-7.3	0	1.8-4.1	DEBRIS, Wood pallets, smaller, fine pieces, broken down a little more than above					
				7.3-8.9	1.3	4.1-5.0	CARDBOARD, very little soil material. Soil material is SILT, Medium; with Clay; Brown. Piece of plastic present with					
							orange spray paint.					
				8.9-10	0	5.0-5.6	DEBRIS, Wood pallets. Little soil material: SILT; and Clay; Medium brown (like above)					
11:35	SC-3A(64-66)	60-70	5.8	0-3.6	0	0-2.1	DEBRIS, Wood pallets up to 5" in length (no more than 2" wide), no soil material					
				3.6-6.2	0.7	2.1-3.6	CARDBOARD, mixed with wood pallets (debris). SILT with Sand, Very Fine.					
				6.2-8.1	0	3.6-4.7	DEBRIS, Cardboard mixed with wood pallets; and metal scraps with yellow paint					
				8.1-10	0	4.7-5.8	DEBRIS, plastic (poly) blue, milk carton, metal scraps, wood pallets (debris). Little soil material: SILT; with Sand, Fine;					
							Medium brown					
13:35		70-80	3.5	0-1.4	0	0-0.5	CARDBOARD, few plastic strips. SILT; with Sand, Very Fine; Medium brown. Soil material in trace amounts					
				1.4-10	0	0.5-3.5	DEBRIS, Wood pallets with fine wood pieces. With soil material as above: SILT; some Clay; trace Sand,					
							Fine to Very Fine. No soil to sample.					
14:05		80-90	3.5	0-1.4	0	0-0.5	CARDBOARD; trace scrap metal pieces (1.5" in diameter), odor throughout of peat bag (degrading material)					
				1.4-10	th Below	0.5-3.5	DEBRIS, Wood pallets, both large and small (fine pieces up to 2" diameter and width), surrounded by trace amounts					
							of SILT; trace Sand, Very Fine, Medium brown. Trace cardboard 0.5"-0.7" mixed with wood debris					
							Note: plastic piece of debris found on very top of core (2"x1"), no soil material for sampling					
14:31		90-100	6	0-.83	0	0-0.5	DEBRIS, Wood pallets (1" to 2" width), 5"-8" length, trace Soil material: SAND, Fine to Very Fine; and Silt; Very black.					
	SC-3A(98-100)			.83-2.5	0	0.5-1.5	Mine Tailings, Sand, Fine to Very fine; some Silt; Dark gray; trace Sand, coarse in last 0.3'					
				2.5-10	0	1.5-6	Mine Tailings, Sand, Coarse and Very Coarse; little Sand, Fine; Dark gray; Very coarse sand is light pink or light green,					
							majority of fines are dark gray. PID readings: 0.7 ppm@3', 0.5ppm@4', 2.6ppm@5.3'					
14:59		100-110	9.7	0-1.1	0	0-1						
	SC-3A(106-108)						SAND with Mine Tailings, Coarse to Very Coarse; trace Gravel, Coarse (mostly gray, mine tailing material). Most coarse pieces are light green, light pink or beige					
				1.1-5.6		1-5.4	SAND, Medium to Coarse; trace Gravel, pieces green, pink and beige as above.					
				5.6-10		5.4-9.7	Same as above					
15:20		110-112	2	0-5	0	0-1	CLAY withSand, Fine to Medium; Light brown/dark pink. Gravel and cobbles at 1' w/ some material (clay) surrounding					
	SC-3A(110-112)			5-10	0	1-2	BEDROCK at 112' Some rock collected					
							End of boring@90'					

ARCADIS

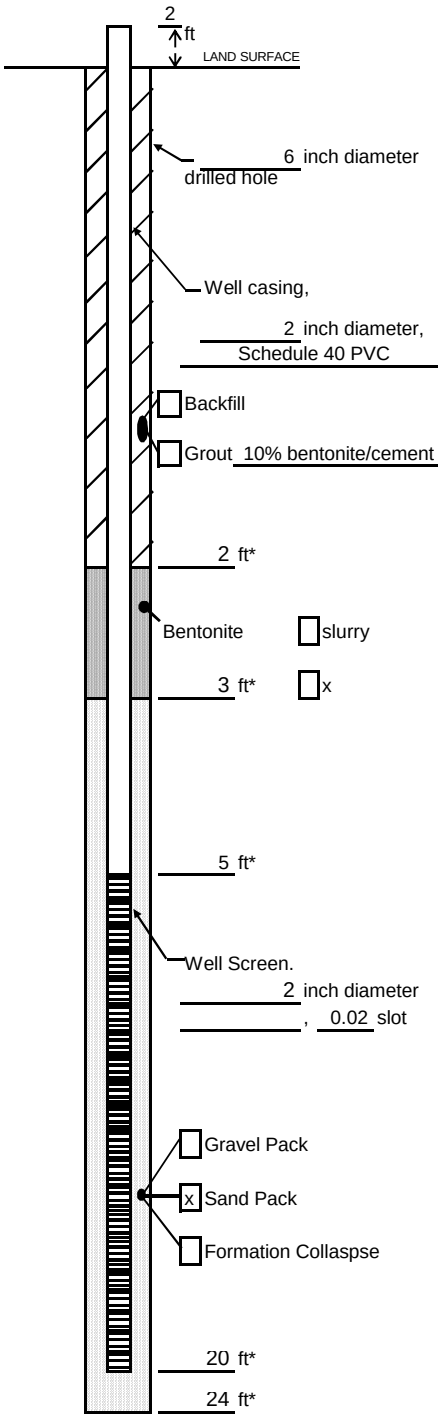
Appendix **E**

Borehole Completion Logs for Overburden Well OB-19, OB-20A, OB-20B, and OB-21; Directional Well SC-01; and Bedrock Wells RW-3D and RW-11

ARCADIS U.S., Inc.

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project NJ.000593.0014 Well OB-19

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

530.70 feet [X] Surveyed [ ] Estimated

Installation Date(s) 2/27/2006

Drilling Method Hollow Stem Augers

Drilling Contractor Summit

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling gallons

Water Removed During Development gallons

Static Depth to Water feet below M.P.

Pumping Depth to Water feet below M.P.

Pumping Duration hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose Monitoring well

Remarks

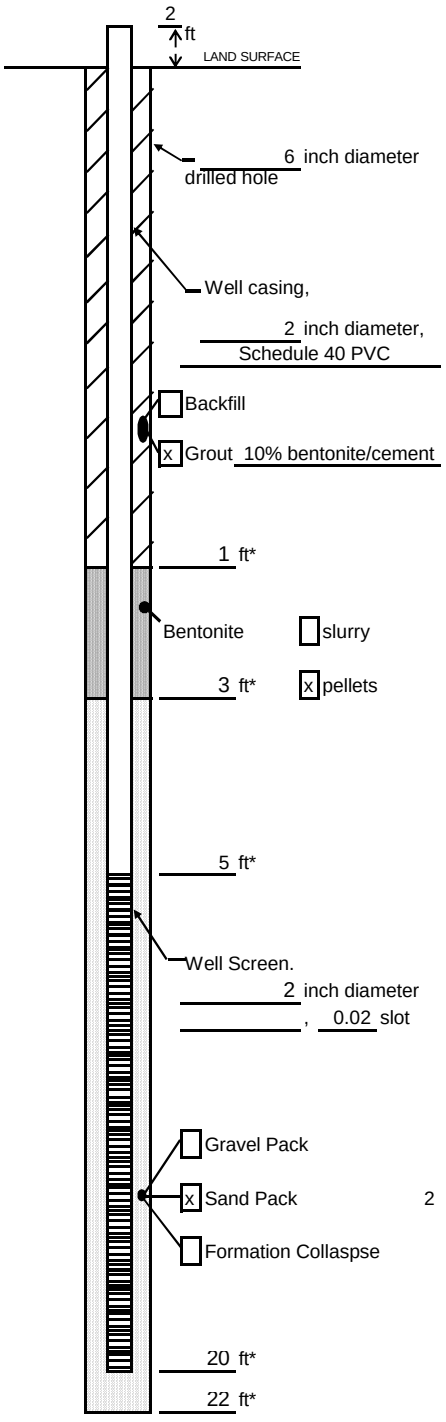
Prepared by K. Arnold

G:\TECHNICL\FIELD LOGS\Well Construction (Unconsolidated).XLS- Sheet1

ARCADIS U.S., Inc.

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project NJ.000593.0014 Well OB-20A

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

532.10 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/09/2006

Drilling Method Hollow Stem Augers

Drilling Contractor Summit

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring well

Remarks

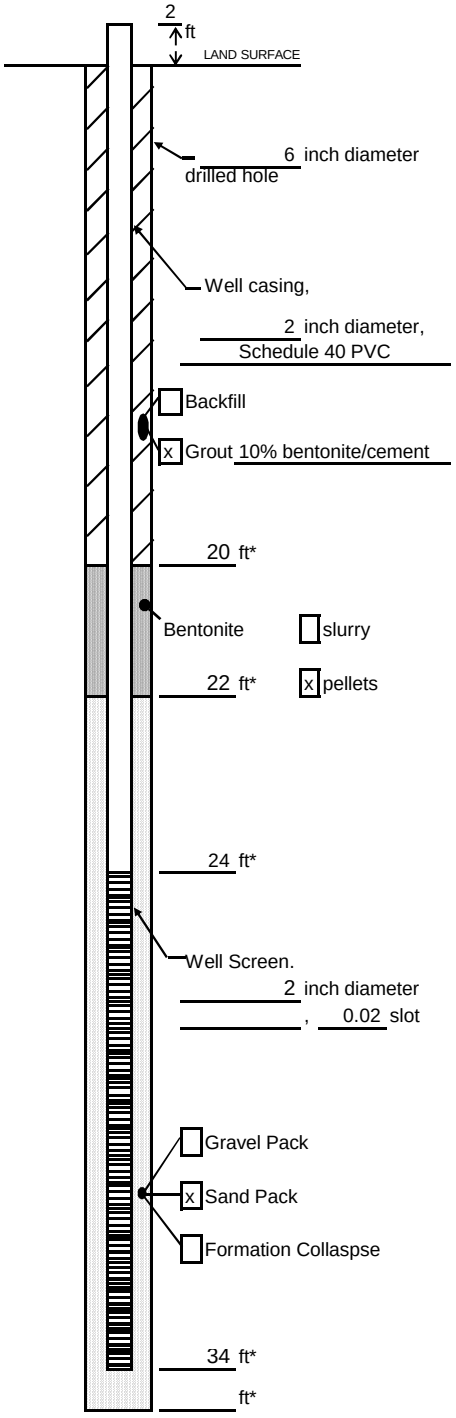
Prepared by K. Arnold

G:\TECHNICL\FIELD LOGS\Well Construction (Unconsolidated).XLS- Sheet1

ARCADIS U.S., Inc.

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project NJ.000593.0014 Well OB-20B

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

532.20 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/10/2006

Drilling Method Hollow Stem Augers

Drilling Contractor Summit

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring well

Remarks

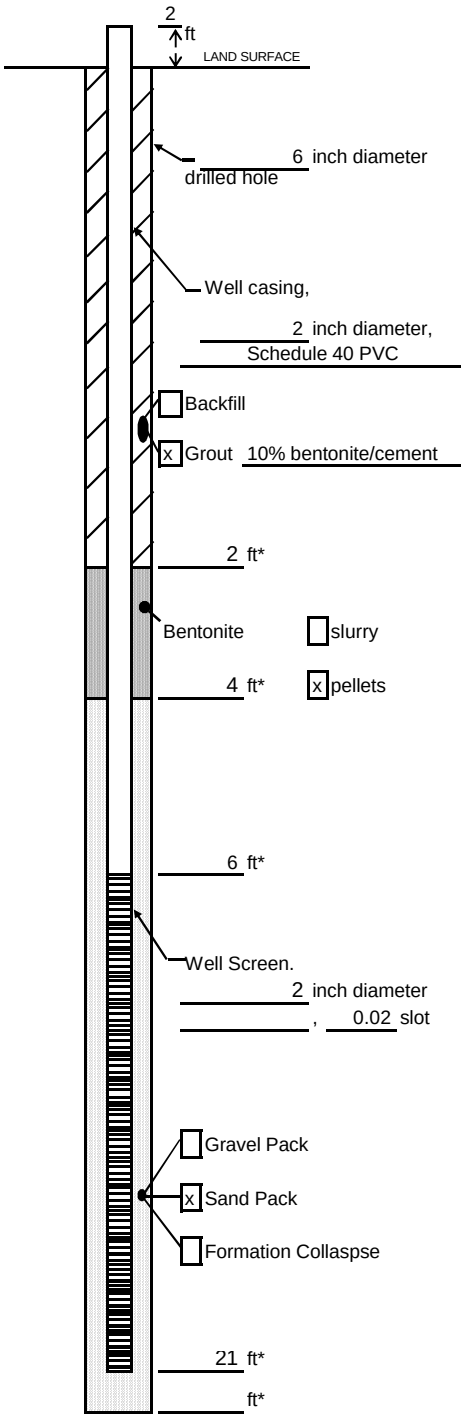
Prepared by K. Arnold

G:\TECHNICL\FIELD LOGS\Well Construction (Unconsolidated).XLS- Sheet1

ARCADIS U.S., Inc.

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project NJ.000593.0014 Well OB-21

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

537.70 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/09/2006

Drilling Method Hollow Stem Augers

Drilling Contractor Summit

Drilling Fluid None

Development Technique(s) and Date(s)

Fluid Loss During Drilling _____ gallons

Water Removed During Development _____ gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft

Well Purpose Monitoring well

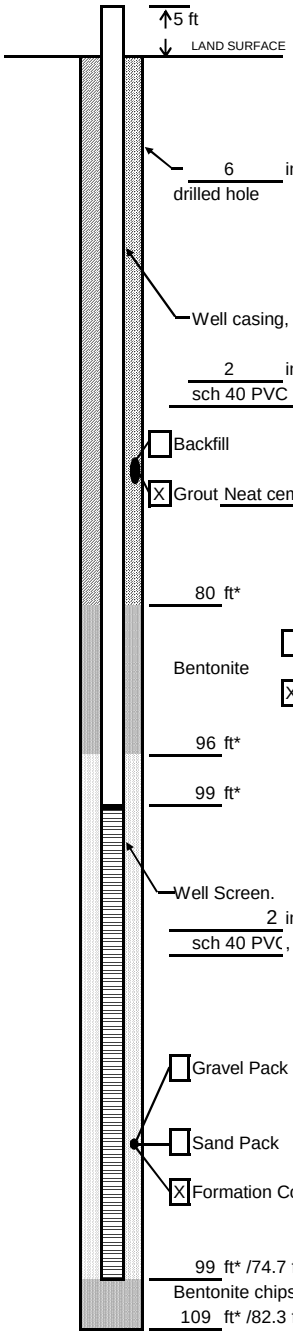
Remarks

Prepared by K. Arnold

R2-0003624

ARCADIS U.S., Inc.

Well Construction Log



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Angled Depth Below Land Surface

Project Ford Ringwood Well SC-1

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

530.90 feet [x] Surveyed [ ] Estimated

Installation Date(s) 3/23/2006

Drilling Method Sonic

Drilling Contractor Prosonic

Drilling Fluid Water

Development Technique(s) and Date(s)

Whaler Pump

Fluid Loss During Drilling 1500 gallons

Water Removed During Development ____ gallons

Static Depth to Water 14 feet below M.P.

Pumping Depth to Water NA feet below M.P.

Pumping Duration 1 hours

Yield NA gpm Date 03/23/06

Specific Capacity NA gpm/ft

Well Purpose Monitoring

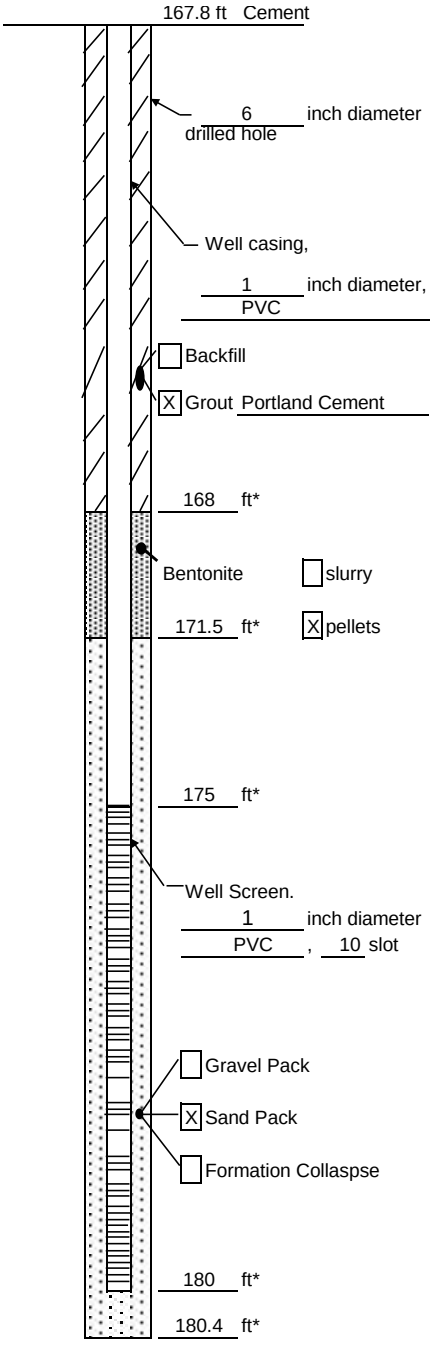
Remarks

Prepared by

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project Ford Ringwood Well RW-3DD (175-180)

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

527.9 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/6/2010 - 3/8/2010, ZIST 12/20/2011

Drilling Method Air Rotary

Drilling Contractor Summit

Drilling Fluid

Development Technique(s) and Date(s)

Air Lift 3/8/10

Fluid Loss During Drilling gallons

Water Removed During Development # gallons

Static Depth to Water 11 feet below M.P.

Pumping Depth to Water feet below M.P.

Pumping Duration 1 hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose Zist System

Remarks

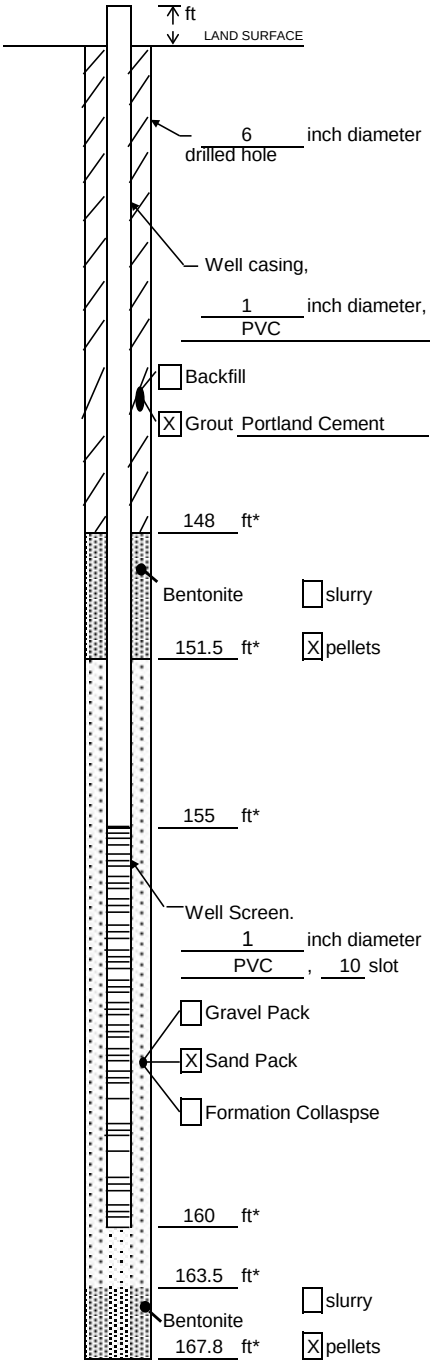
Prepared by H. Culton

R2-0003626

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project Ford Ringwood Well RW-3DS (155-160)

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

527.9 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/6/2010 - 3/8/2010, ZIST 12/21/2011

Drilling Method Air Rotary

Drilling Contractor Summit

Drilling Fluid

Development Technique(s) and Date(s)

Air Lift 3/8/10

Fluid Loss During Drilling gallons

Water Removed During Development 20 gallons

Static Depth to Water 11 feet below M.P.

Pumping Depth to Water feet below M.P.

Pumping Duration 1 hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose Zist System

Remarks

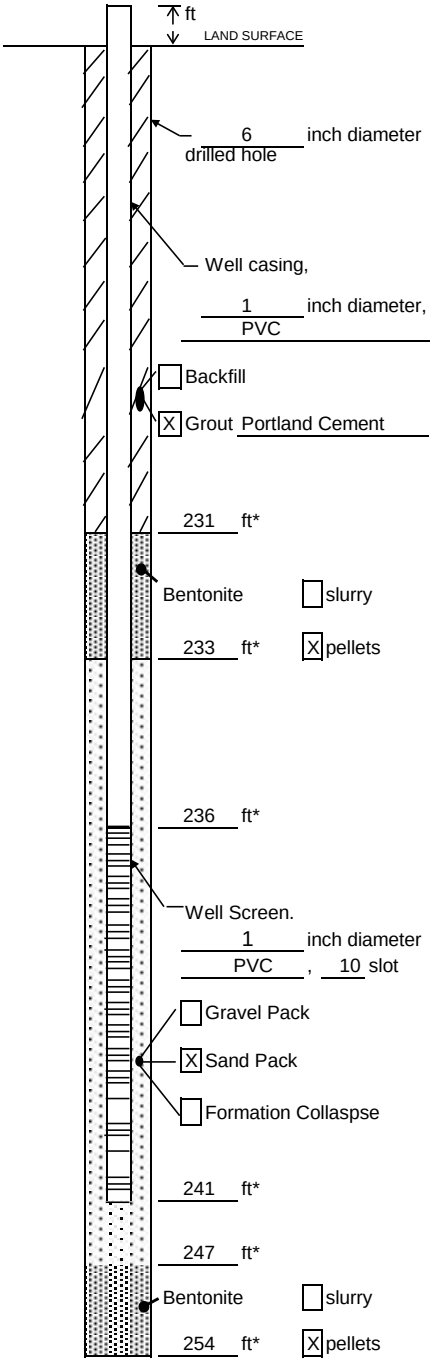
Prepared by H. Culton

R2-0003627

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project Ford Ringwood Well RW-11S (236-241)

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

527.8 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/9/10 - 3/15/10, ZIST 12/21/2011

Drilling Method Air Rotary

Drilling Contractor Summit

Drilling Fluid

Development Technique(s) and Date(s)

Air Lift 3/15/10

Fluid Loss During Drilling gallons

Water Removed During Development # gallons

Static Depth to Water 11 feet below M.P.

Pumping Depth to Water feet below M.P.

Pumping Duration 1 hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose Zist System

Remarks

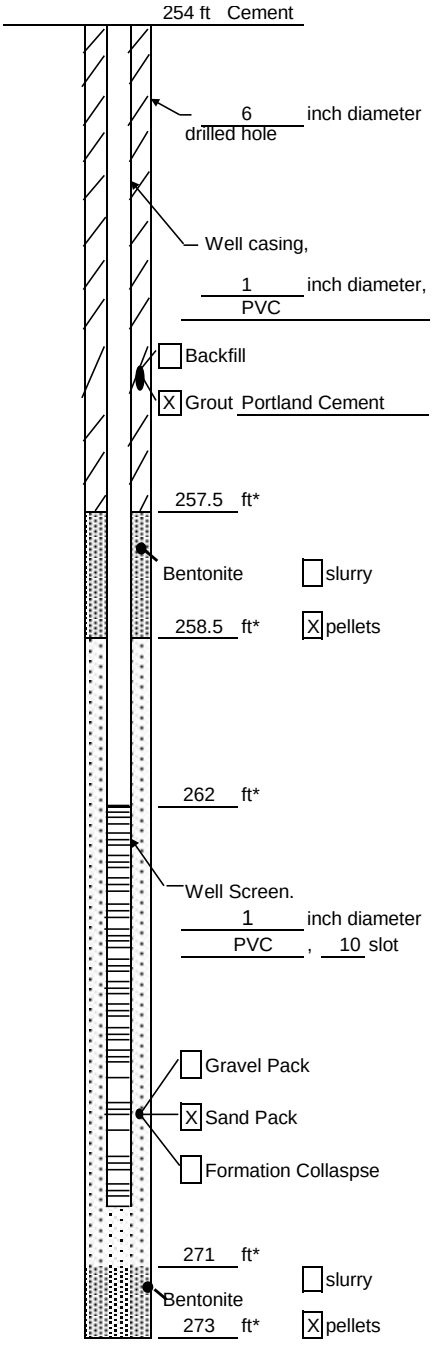
Prepared by H. Culton

R2-0003628

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project Ford Ringwood Well RW-11D (262-267)

Town/City Ringwood

County Passaic State NJ

Permit No.

Land-Surface Elevation and Datum:

527.8 feet [X] Surveyed [ ] Estimated

Installation Date(s) 3/9/10 - 3/15/10, ZIST 12/20/2011

Drilling Method Air Rotary

Drilling Contractor Summit

Drilling Fluid

Development Technique(s) and Date(s)

Air Lift 3/15/10

Fluid Loss During Drilling gallons

Water Removed During Development 20 gallons

Static Depth to Water 11 feet below M.P.

Pumping Depth to Water feet below M.P.

Pumping Duration 1 hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose Zist System

Remarks

Prepared by H. Culton

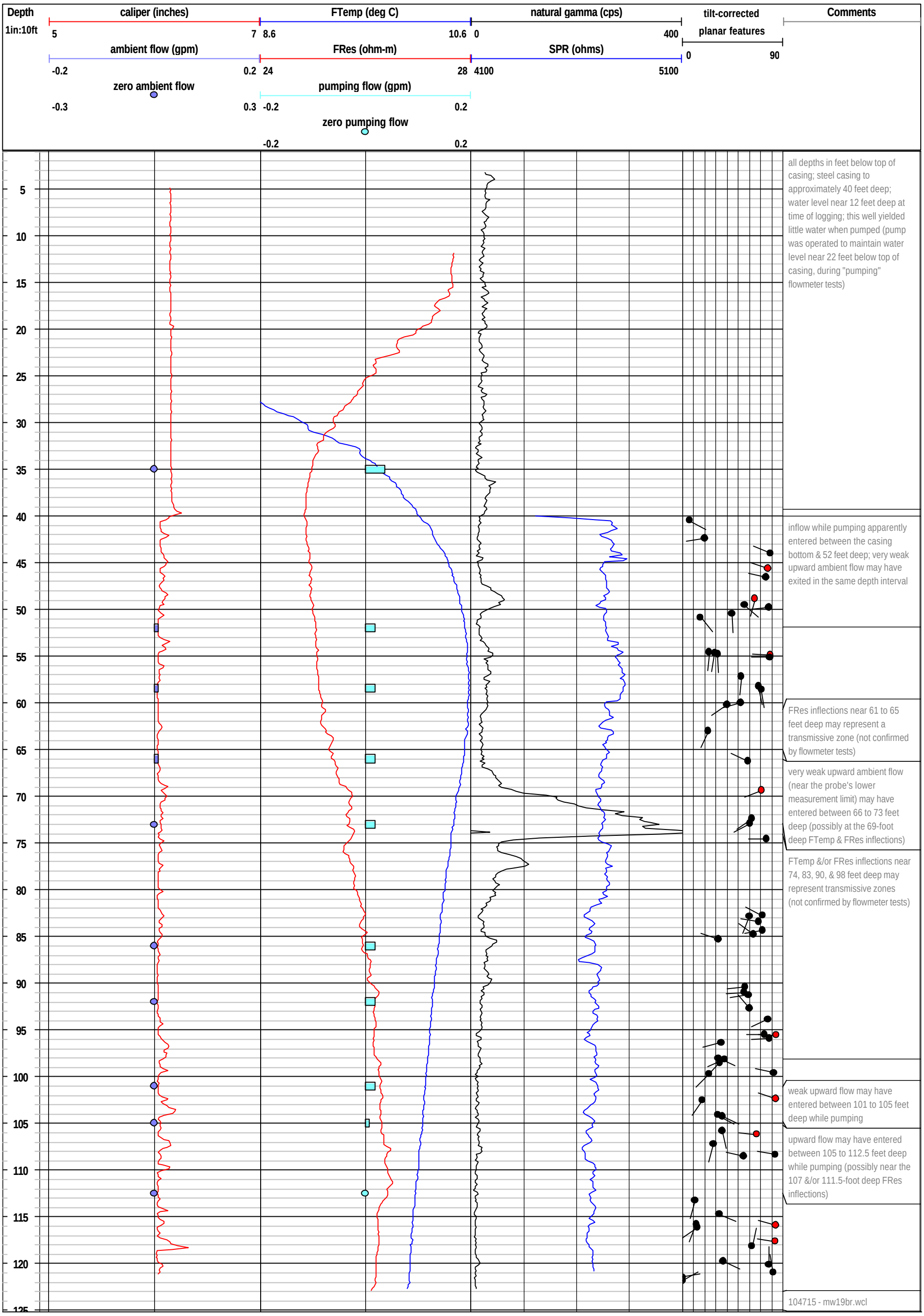
R2-0003629

ARCADIS

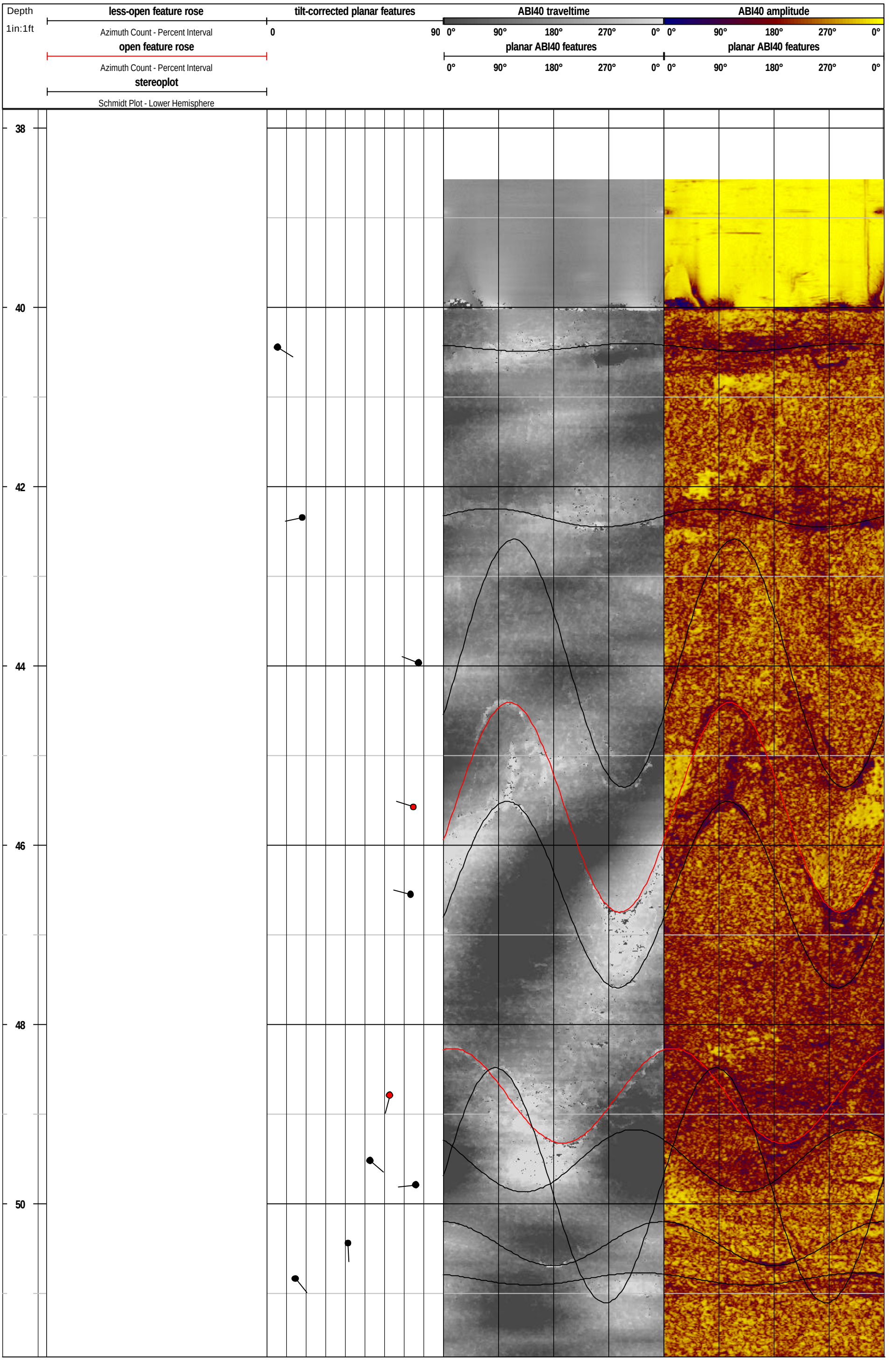
Appendix **F**

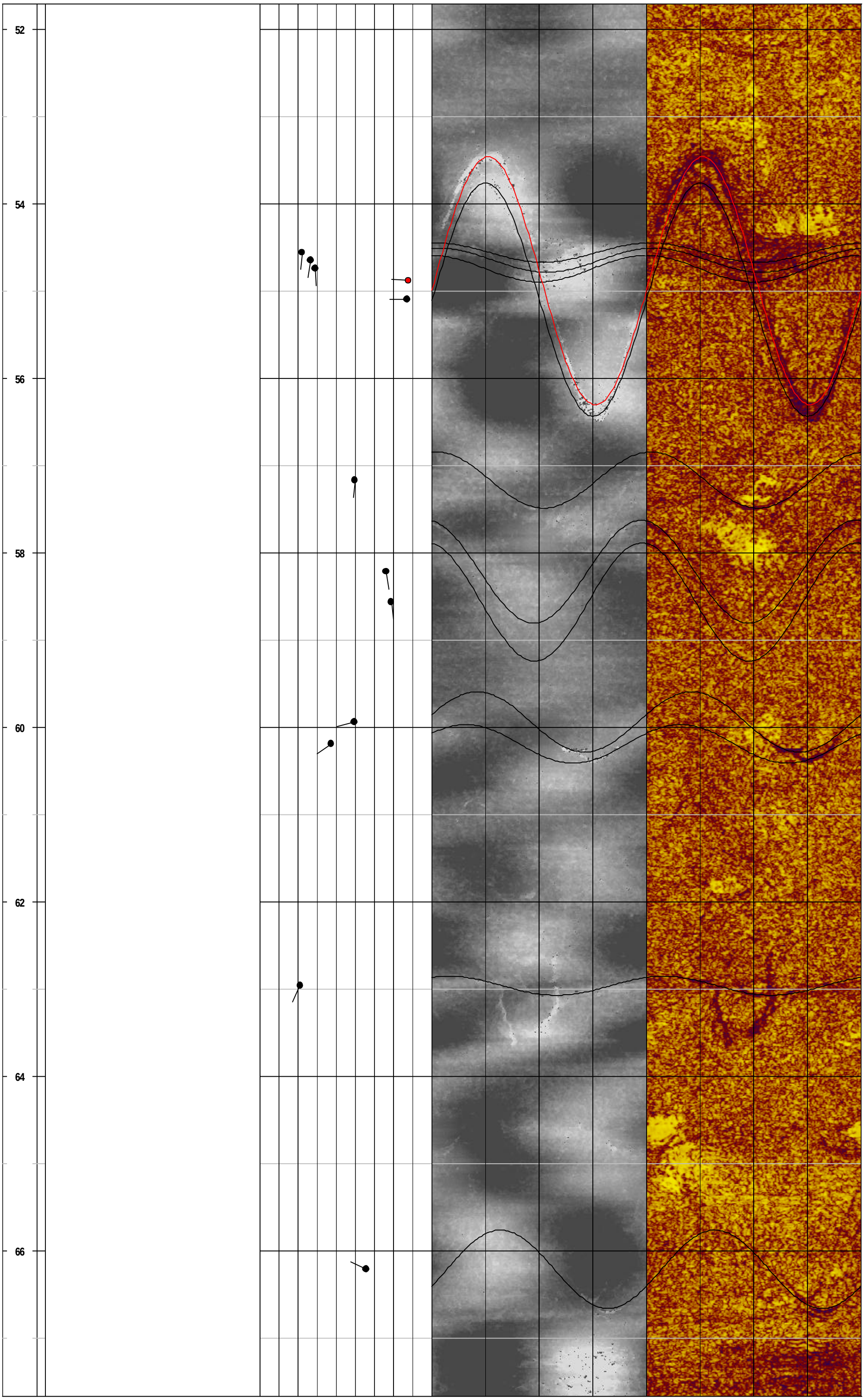
Geophysical Logs for Bedrock Wells RW-5, RW-6, RW-7, RW-3D and RW-11

Project: ARCADIS G&M / Ringwood, NJ - MW-19BR conventional logs



Project: ARCADIS G&M / Ringwood, NJ - MW-19BR acoustic televiewer log





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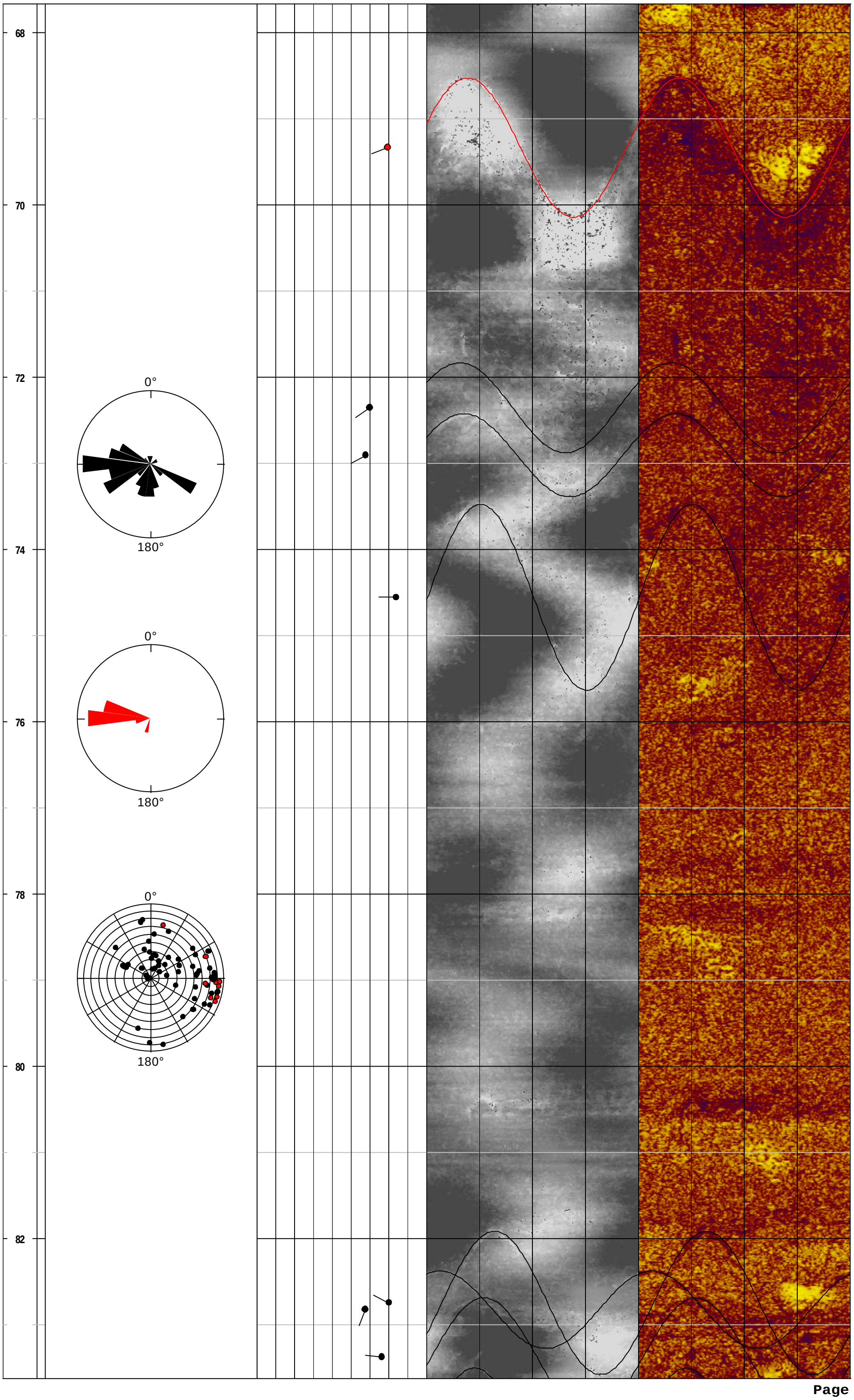

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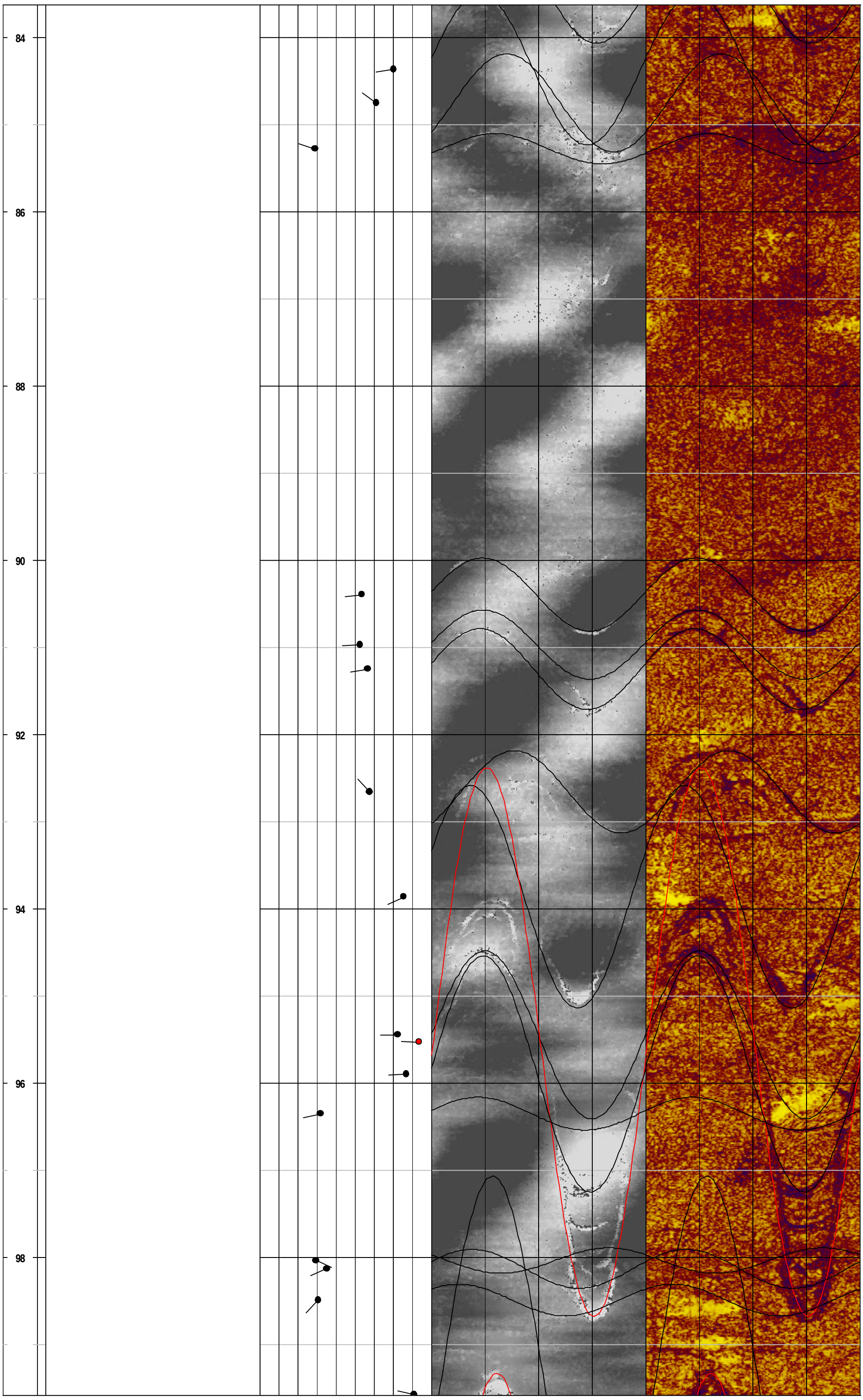
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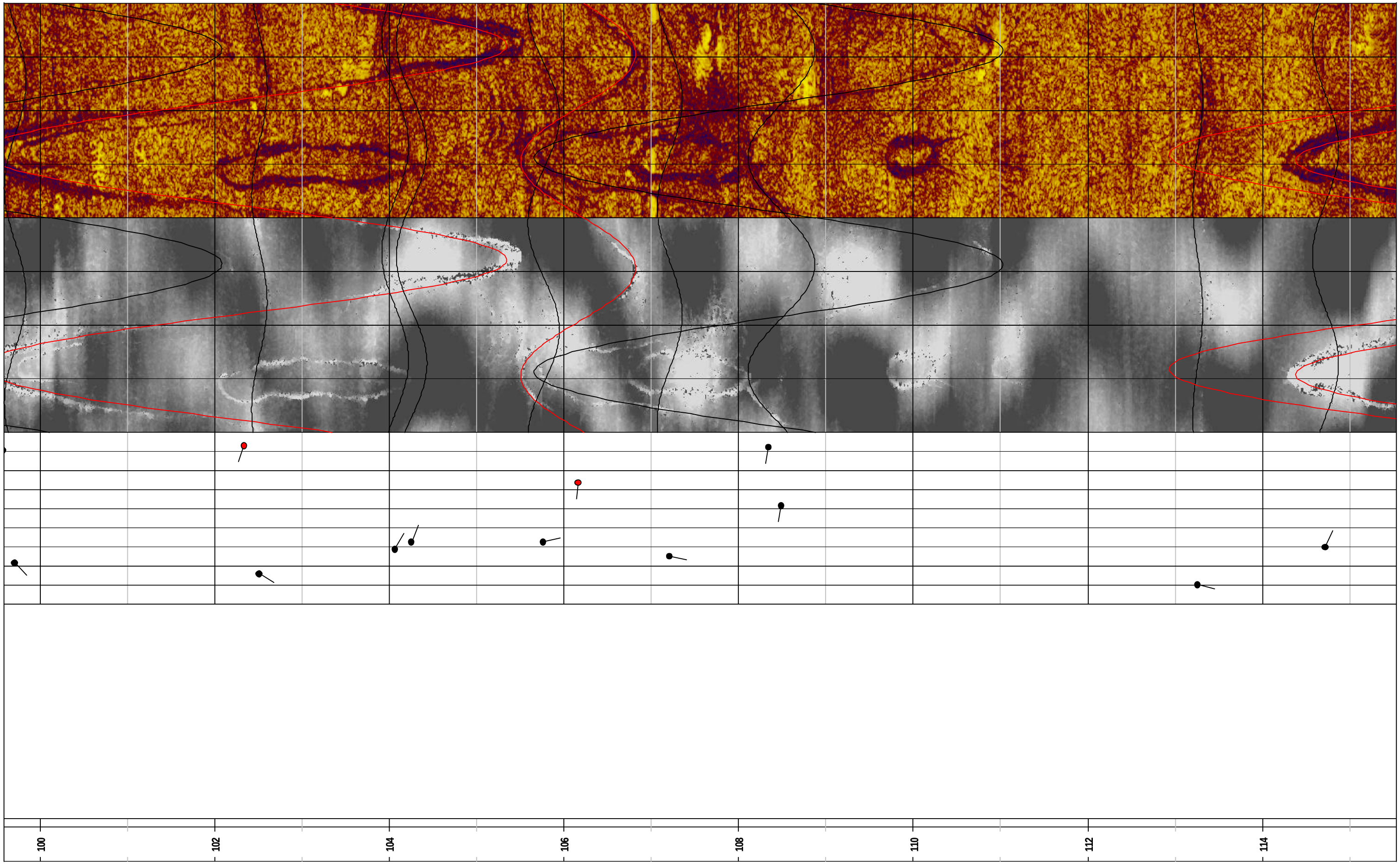
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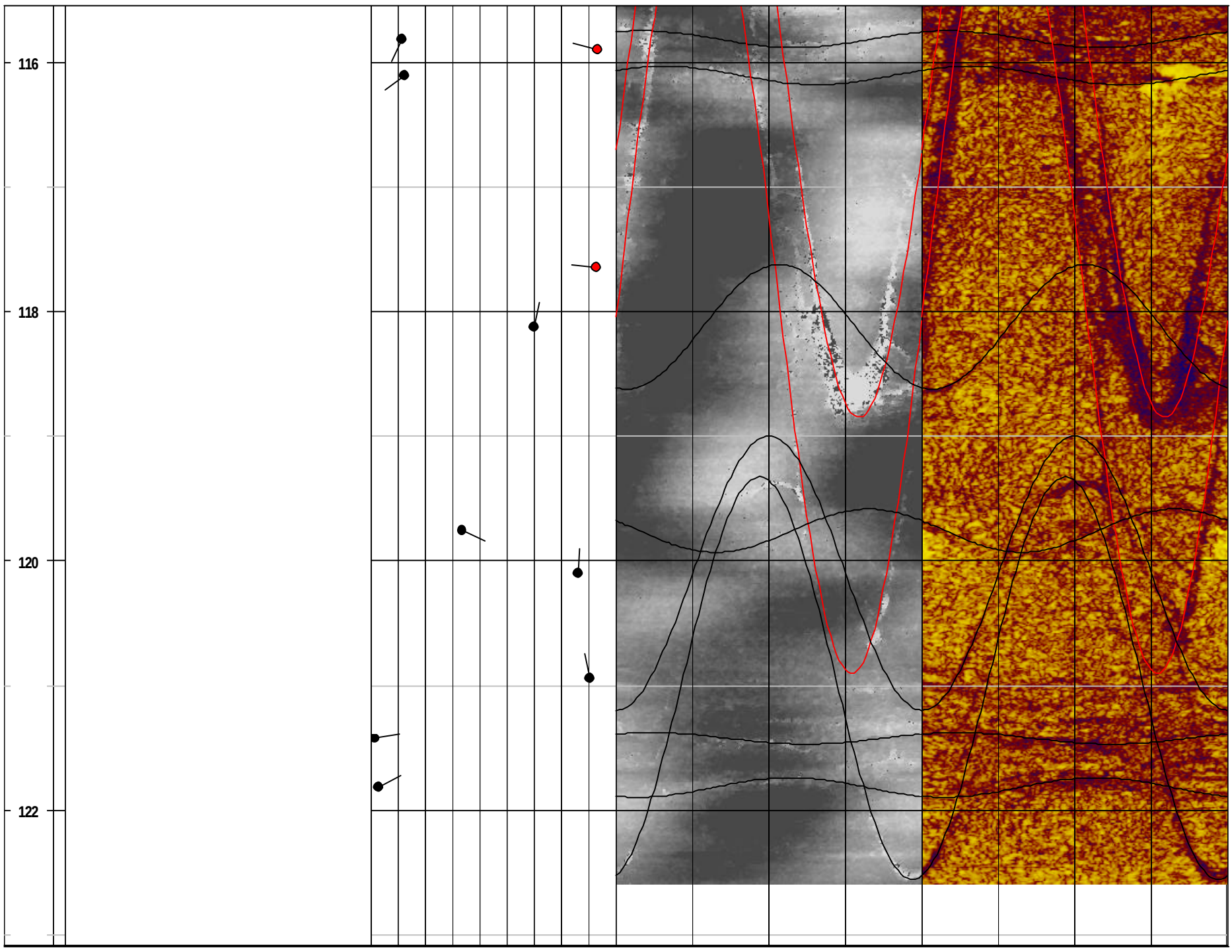
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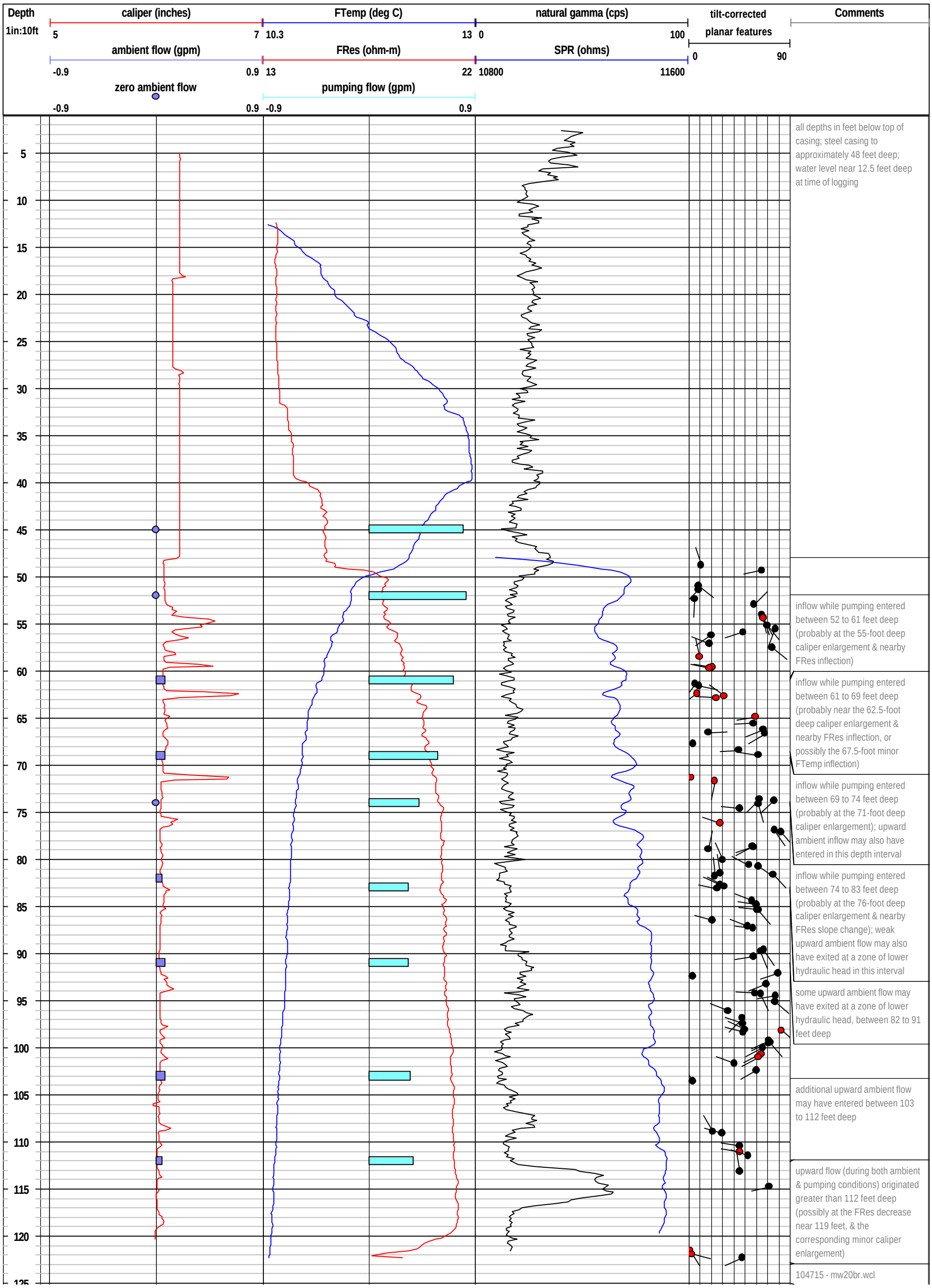
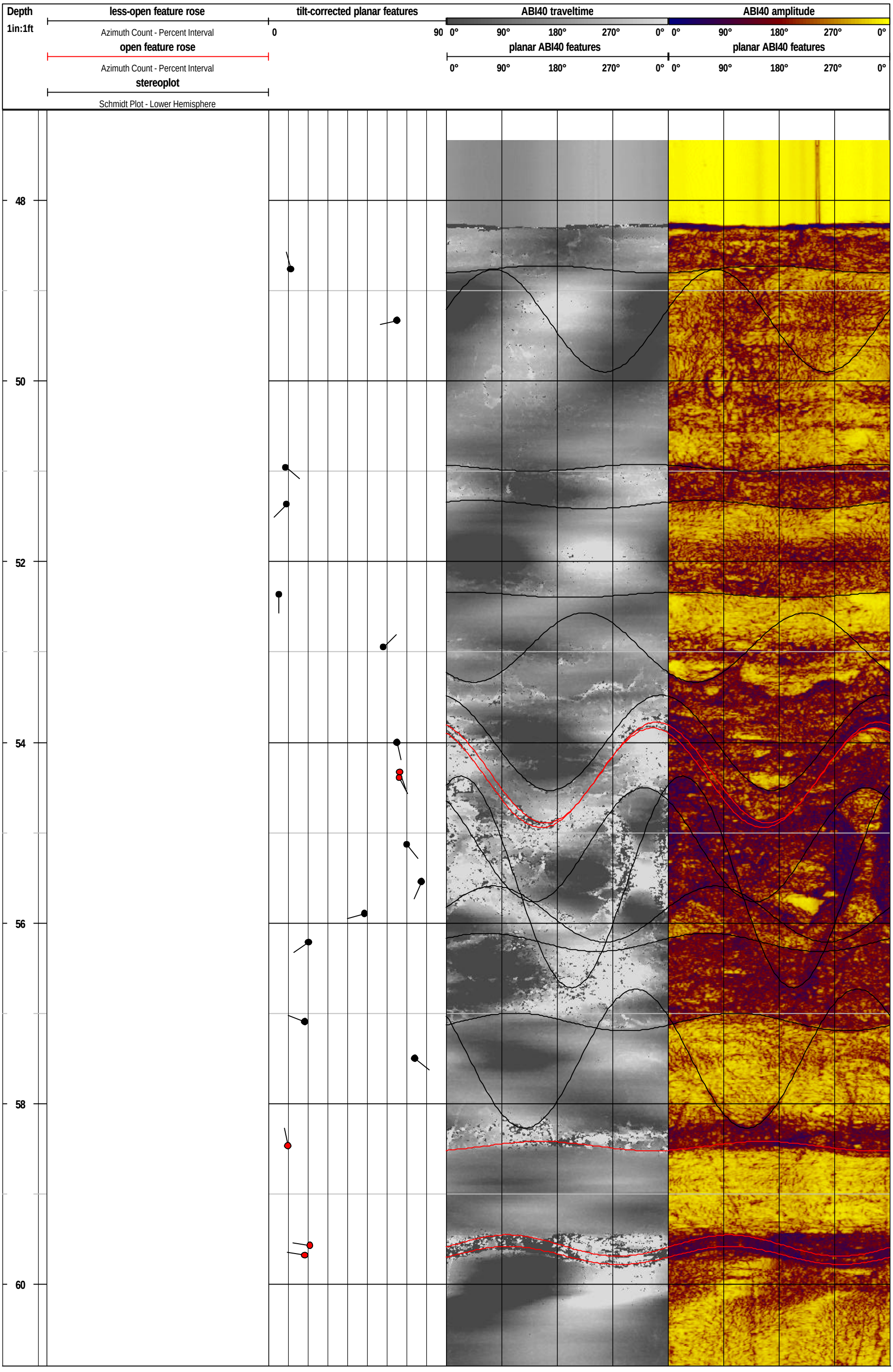
Project: ARCADIS G&M / Ringwood, NJ - MW-20BR conventional logs



Project: ARCADIS G&M / Ringwood, NJ - MW-20BR acoustic televiewer log



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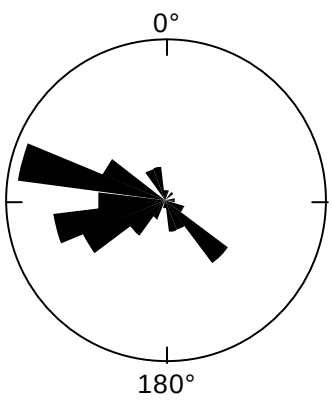

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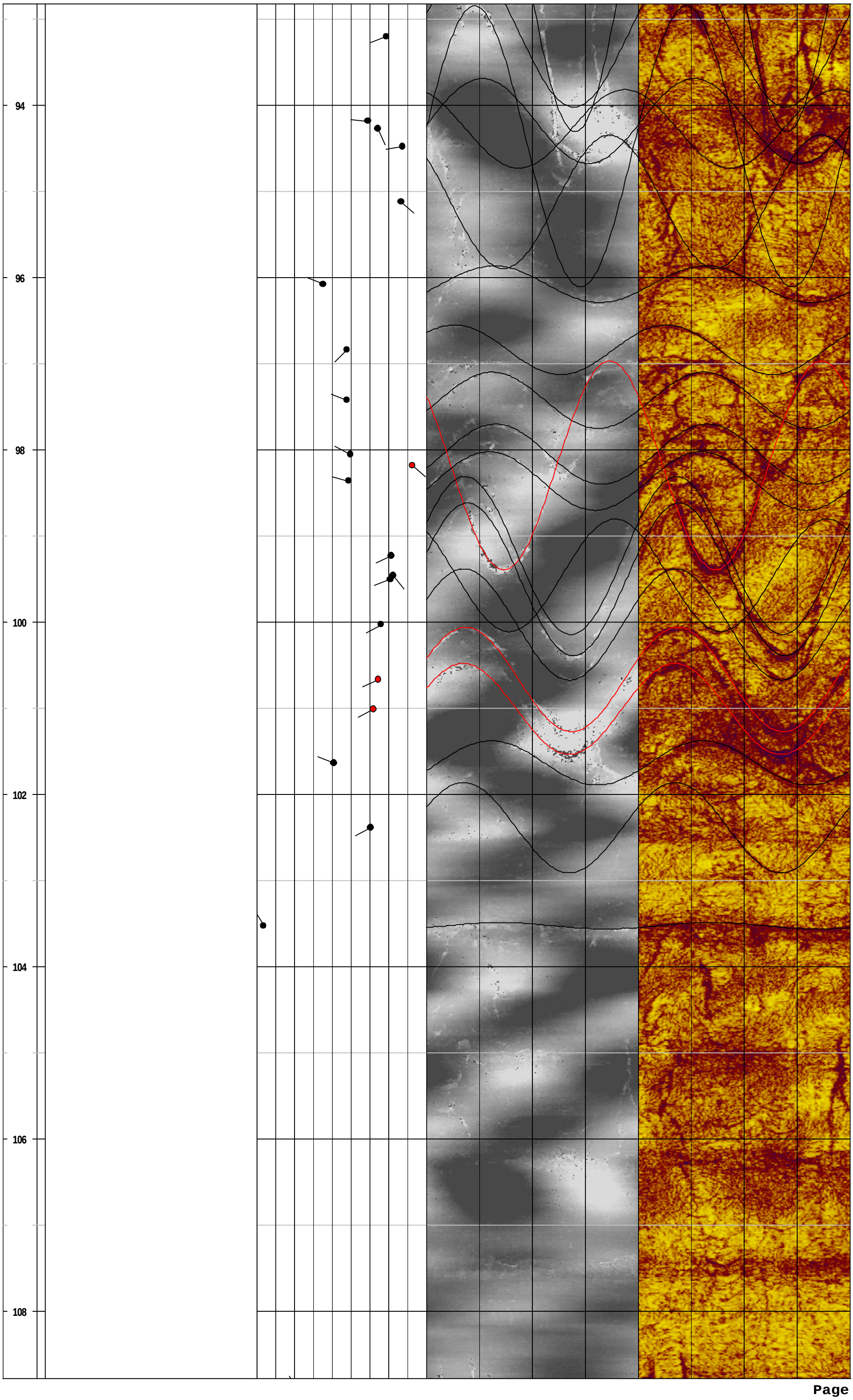

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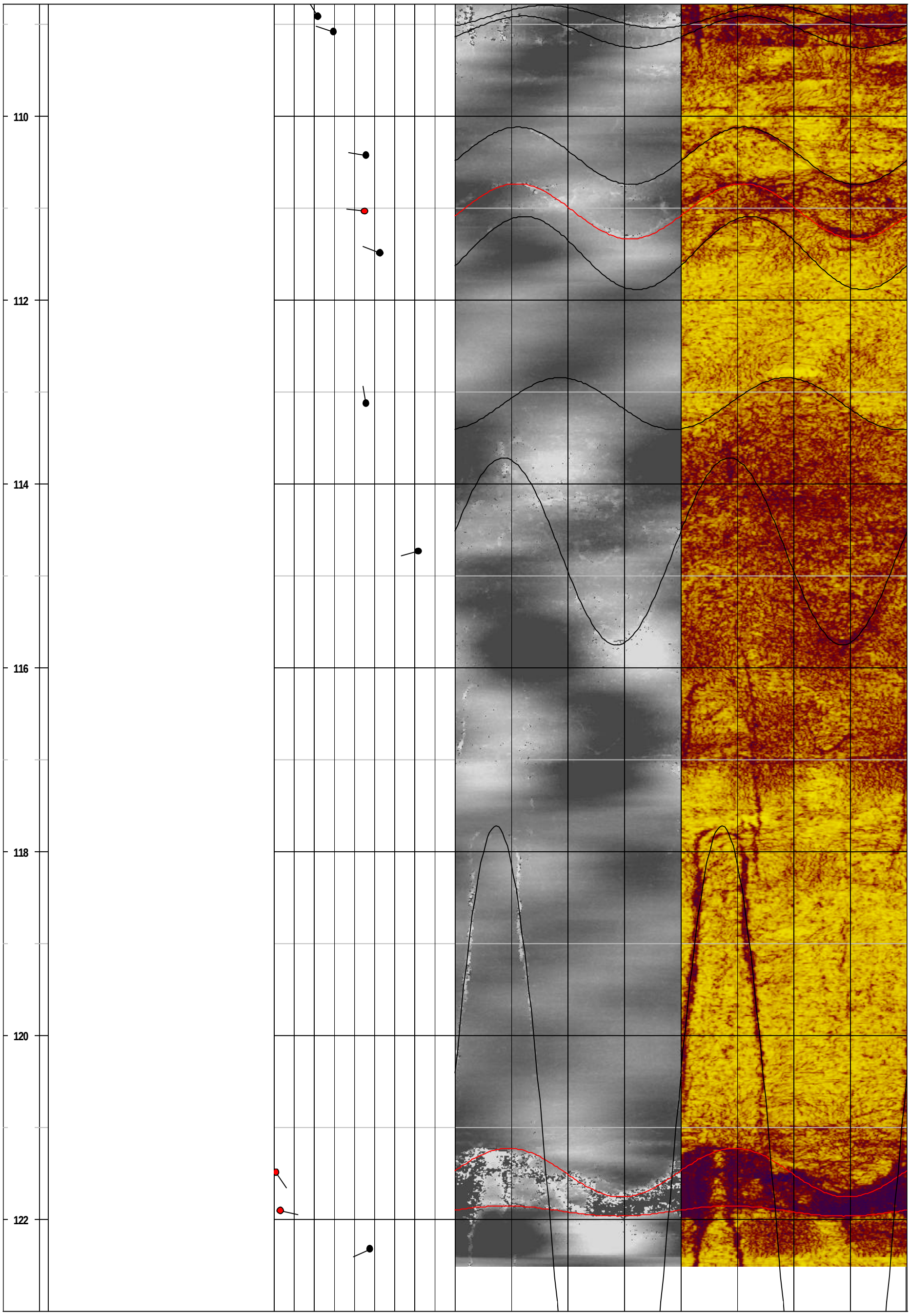
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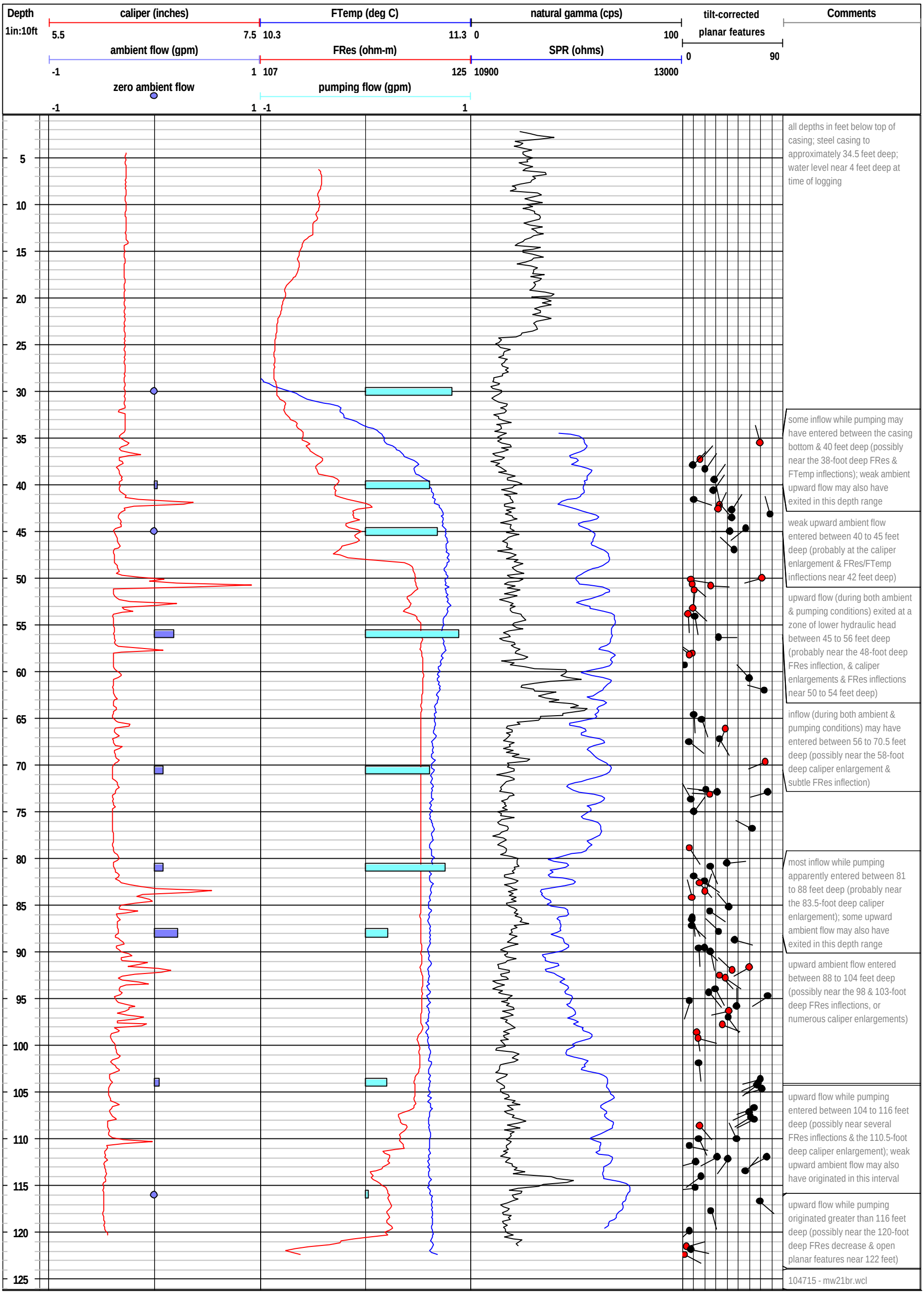
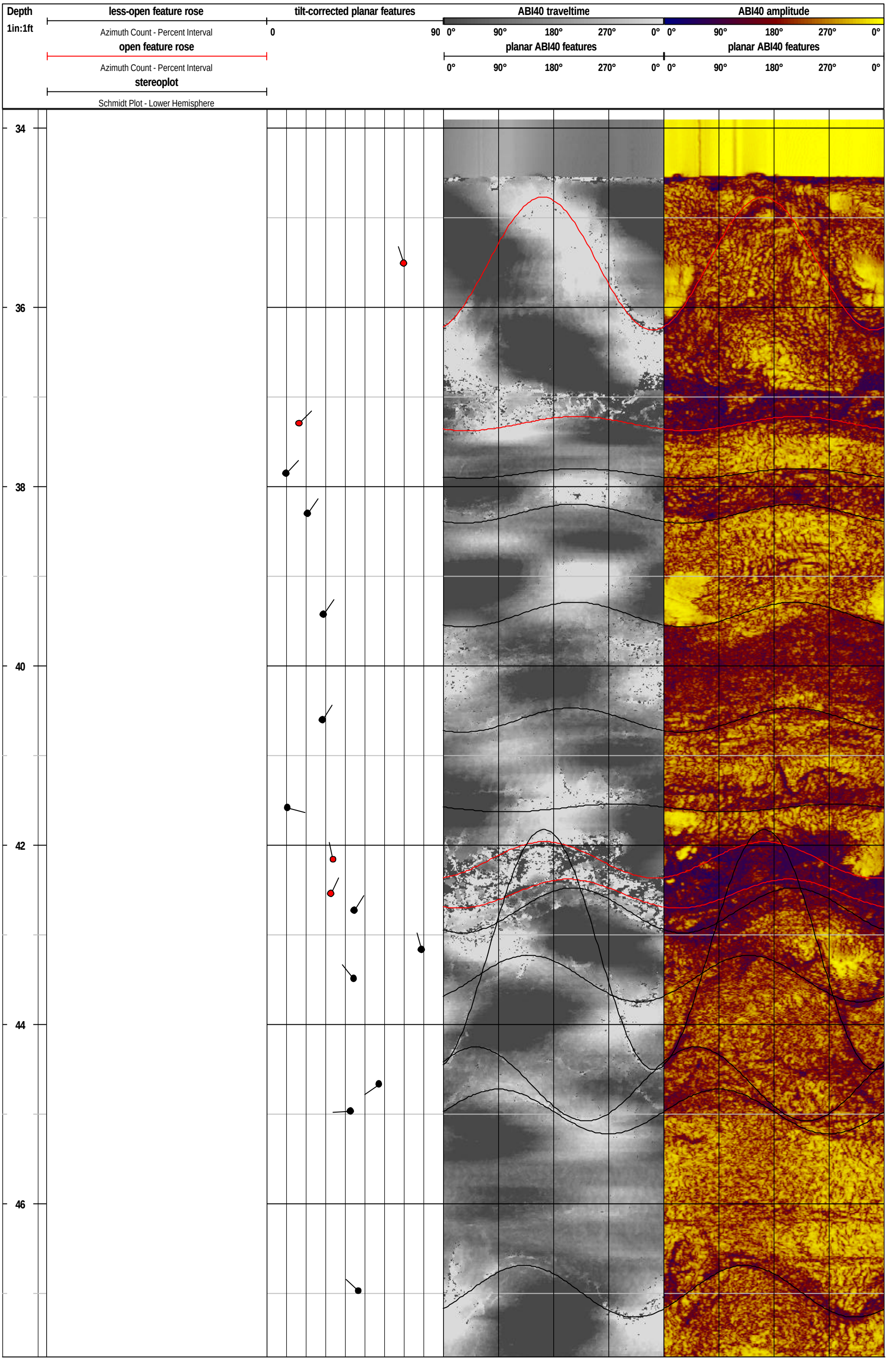
Project: ARCADIS G&M / Ringwood, NJ - MW-21BR conventional logs



Project: ARCADIS G&M / Ringwood, NJ - MW-21BR acoustic televiewer log



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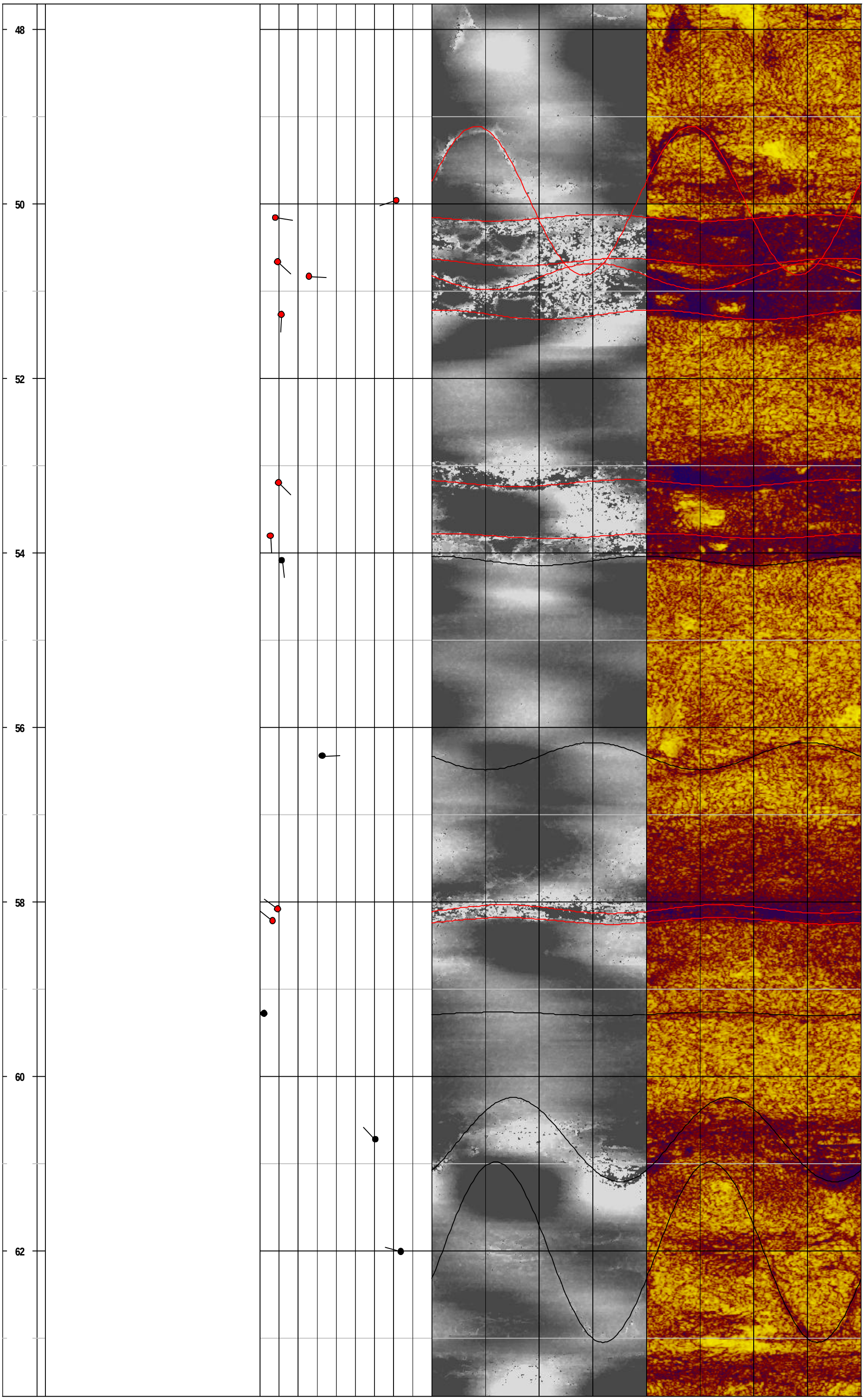
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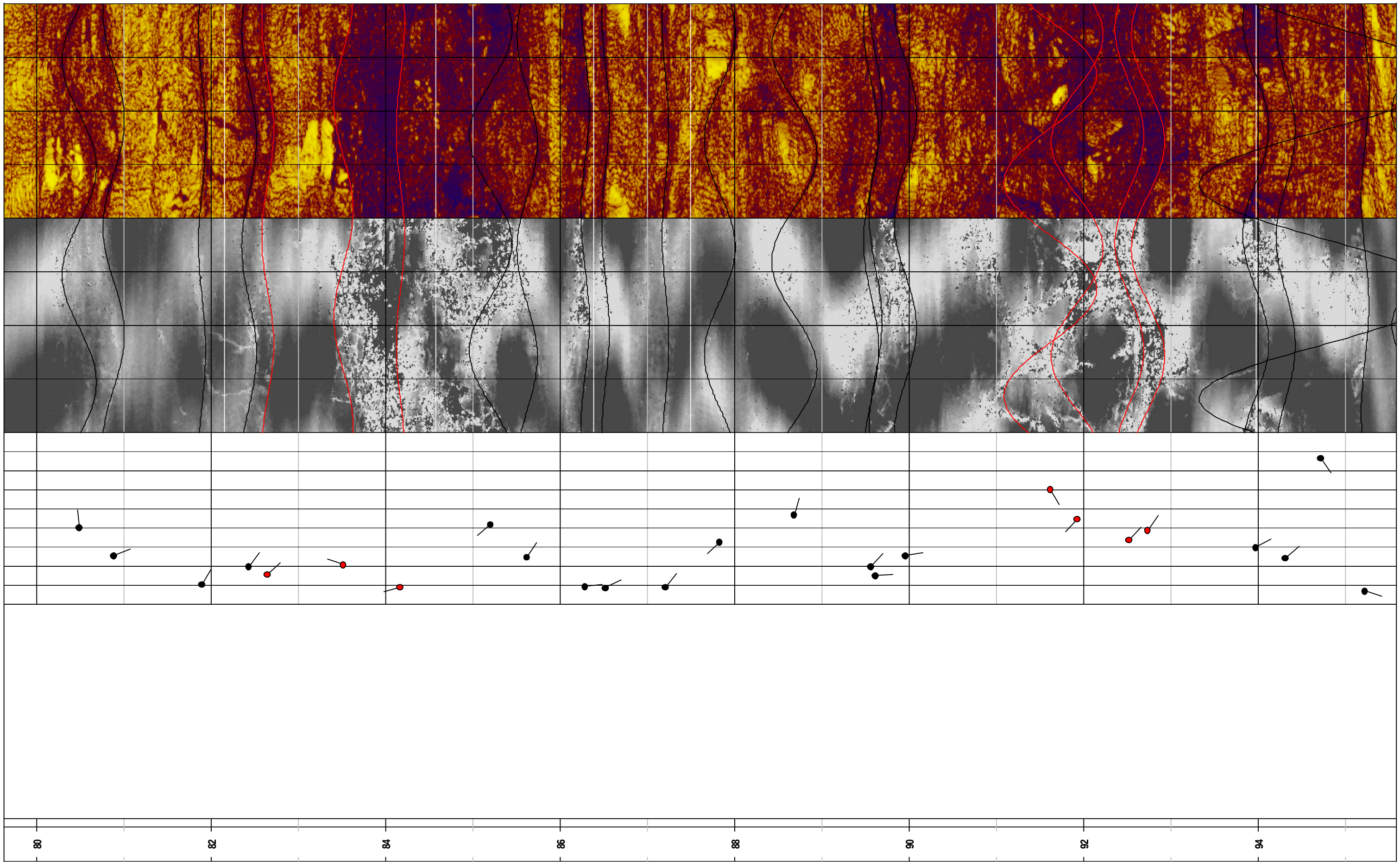
R2-0003647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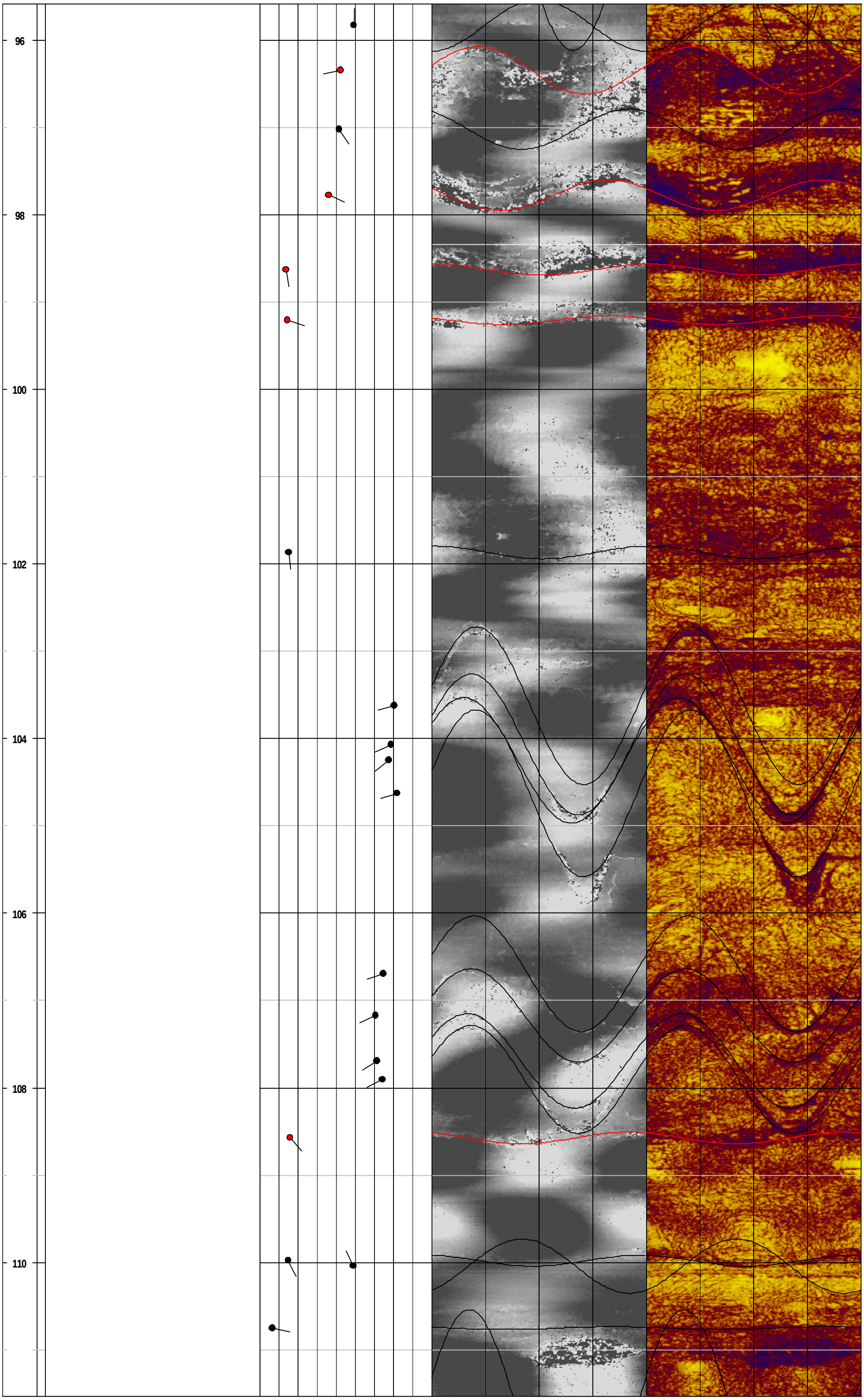

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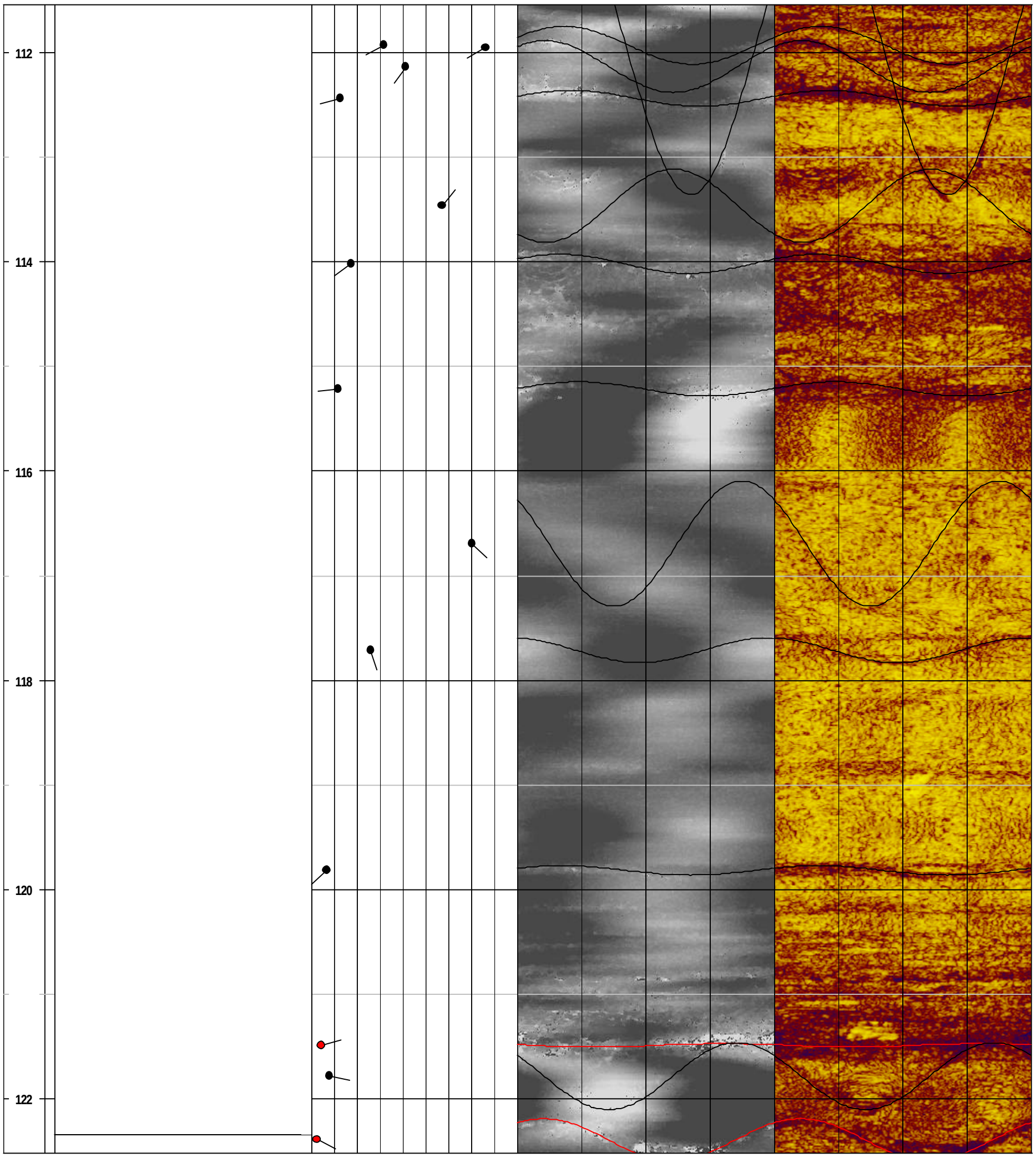
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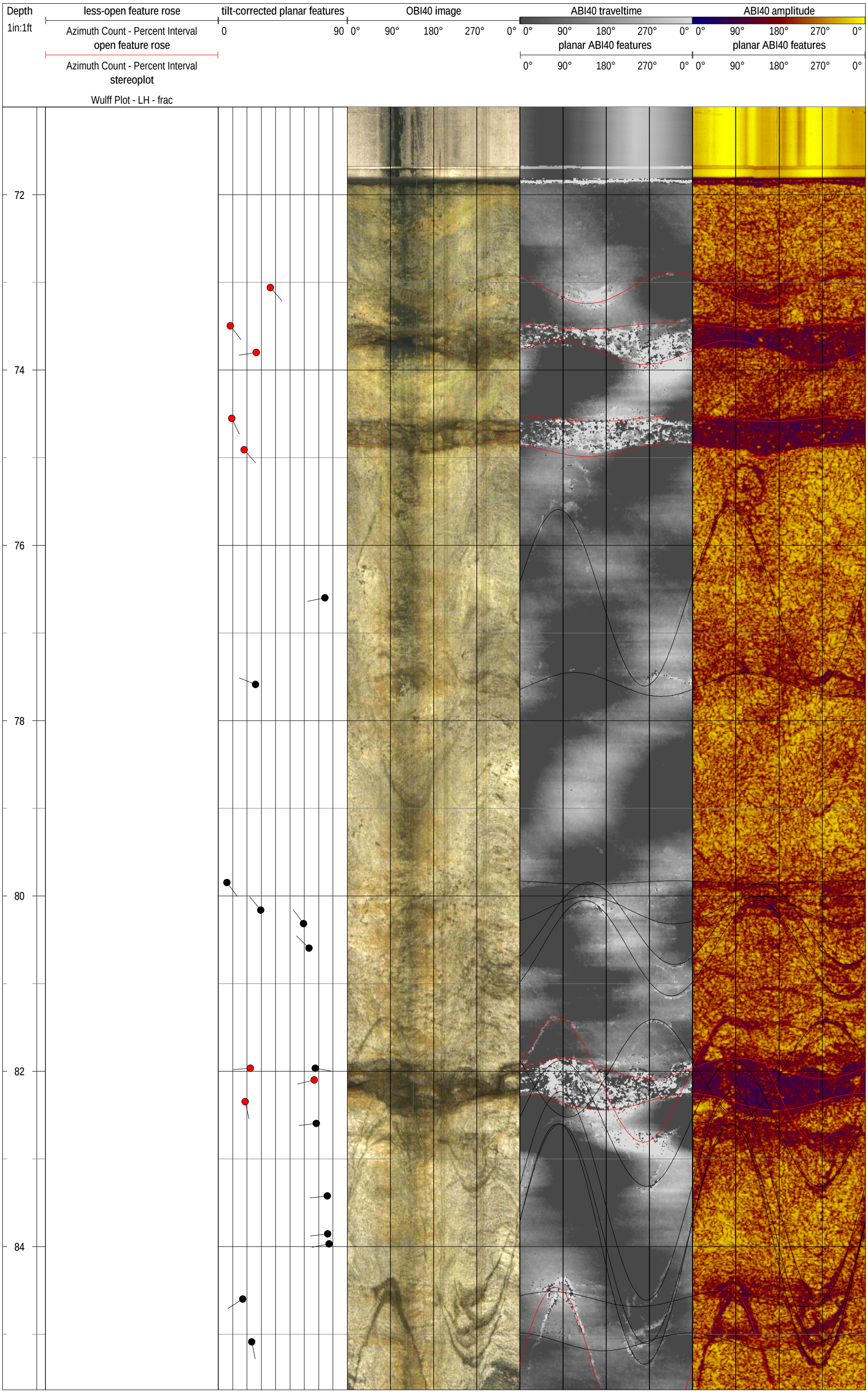
ARCADIS / Ringwood, NJ - RW-3D optical & acoustic televiewer log plot



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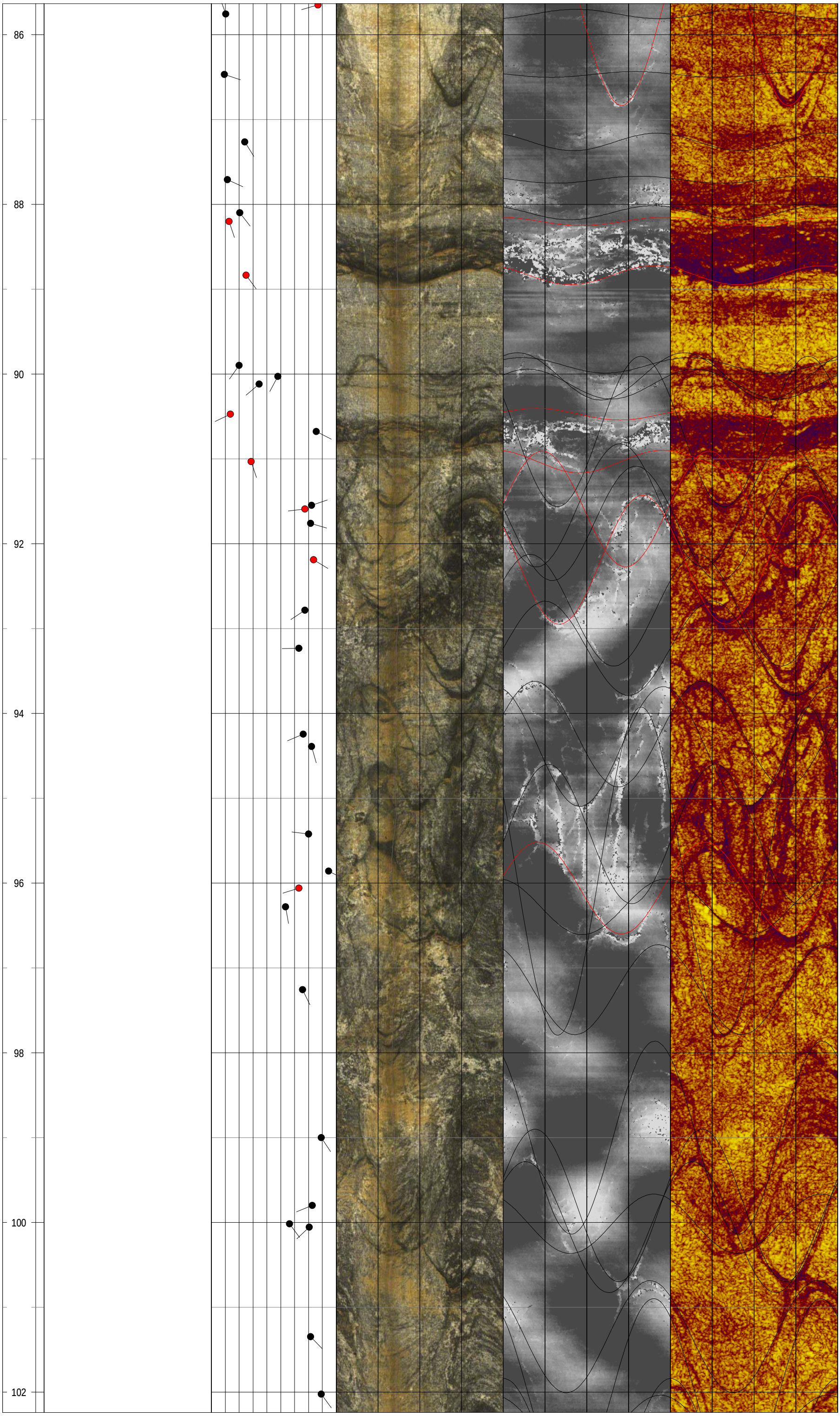

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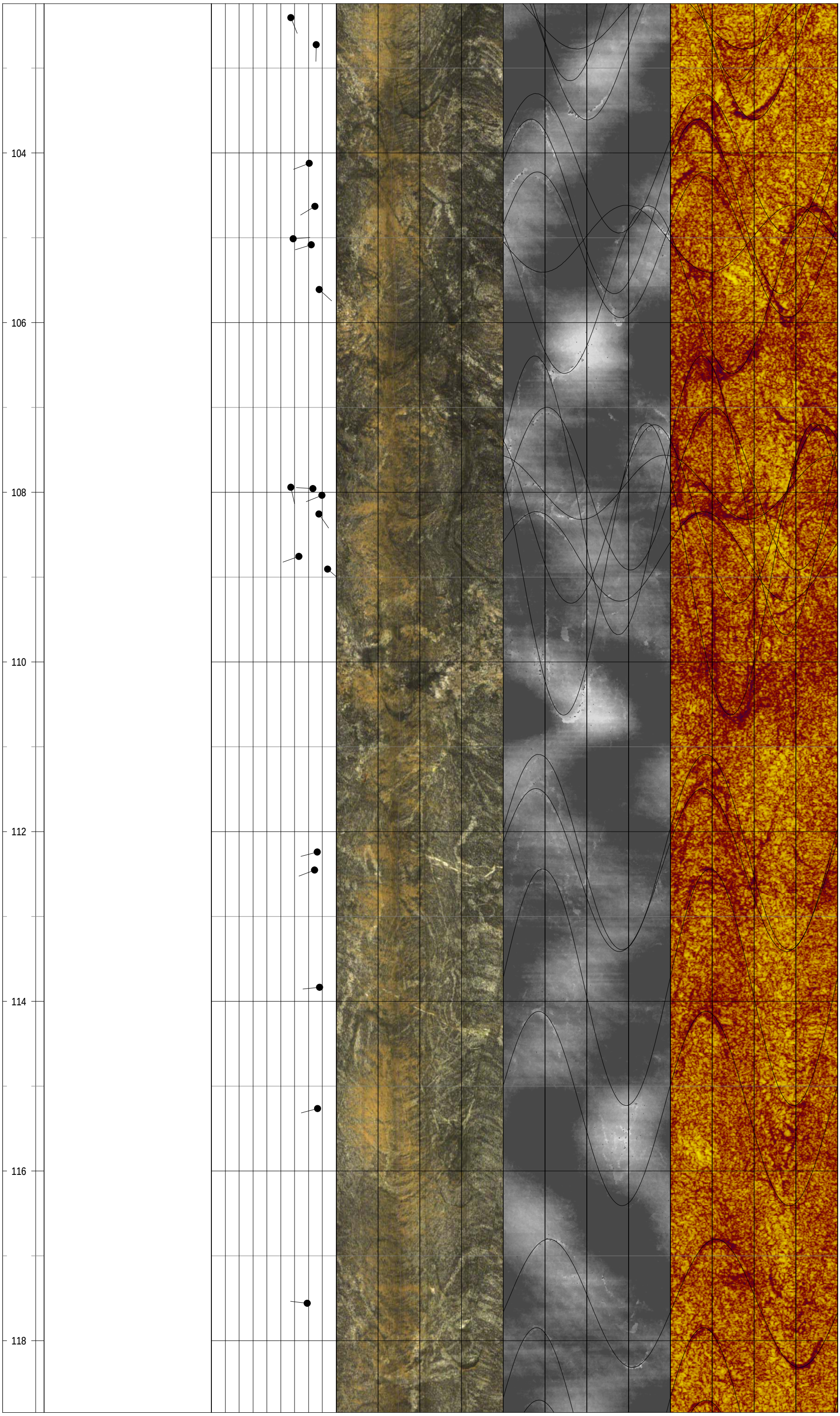

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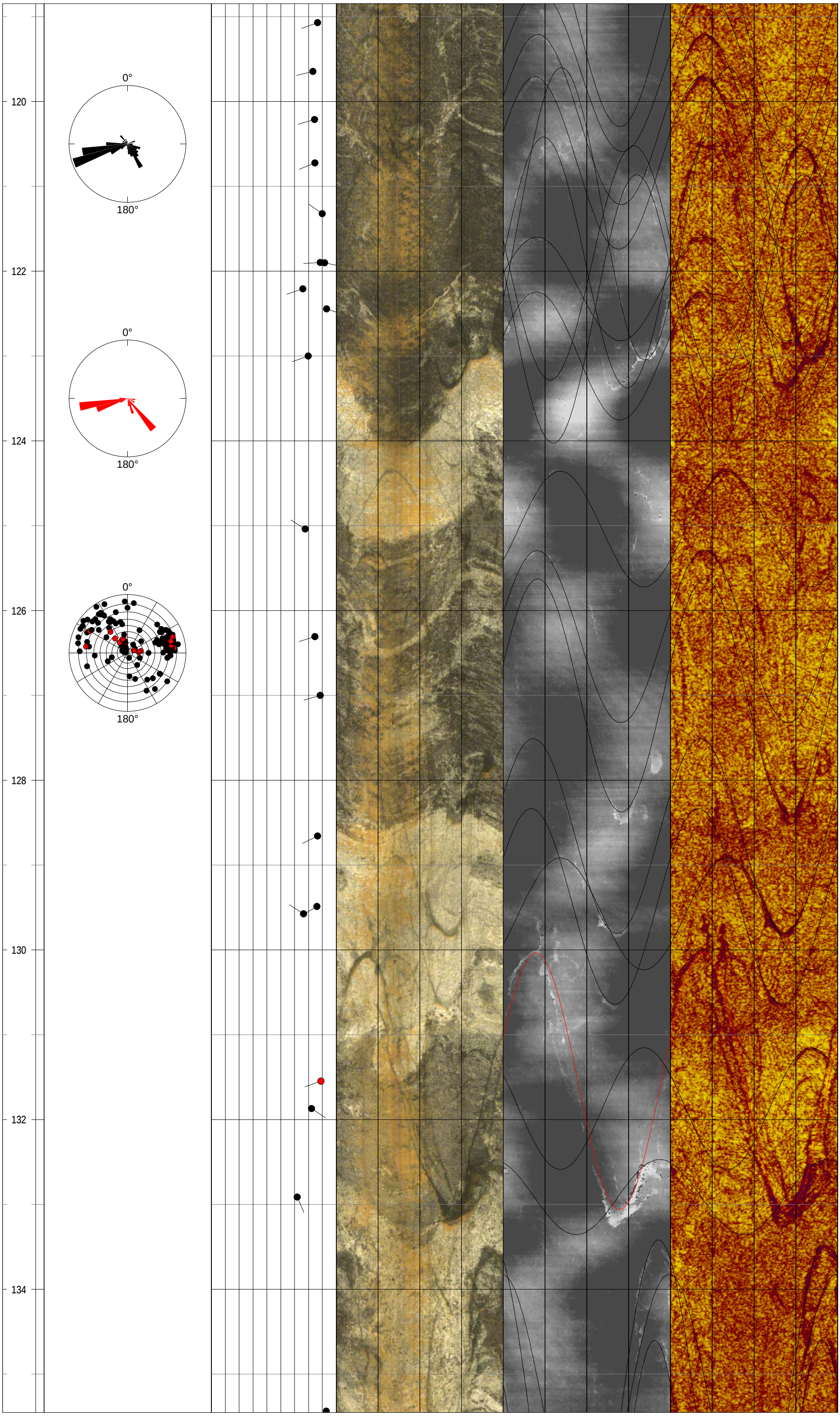
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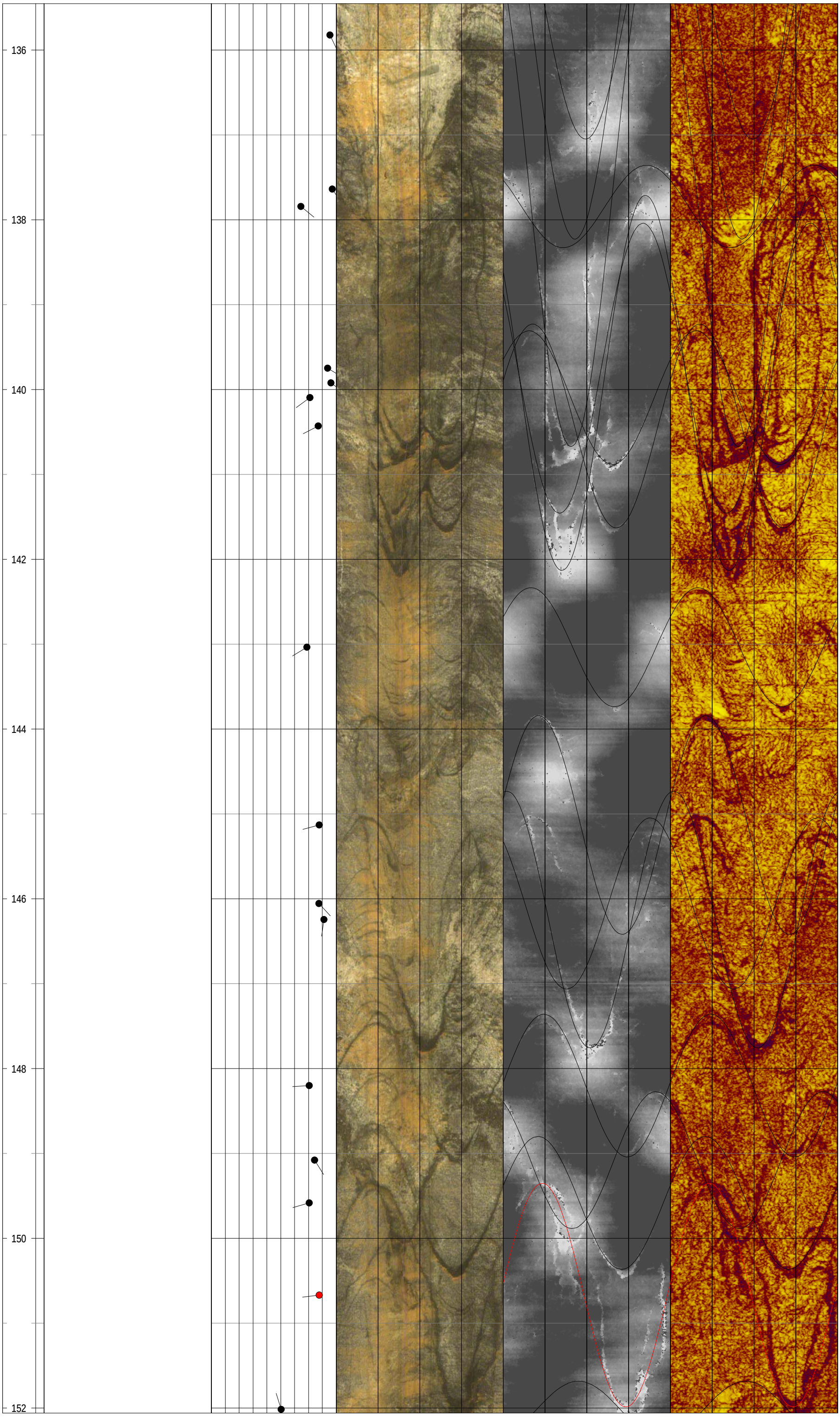
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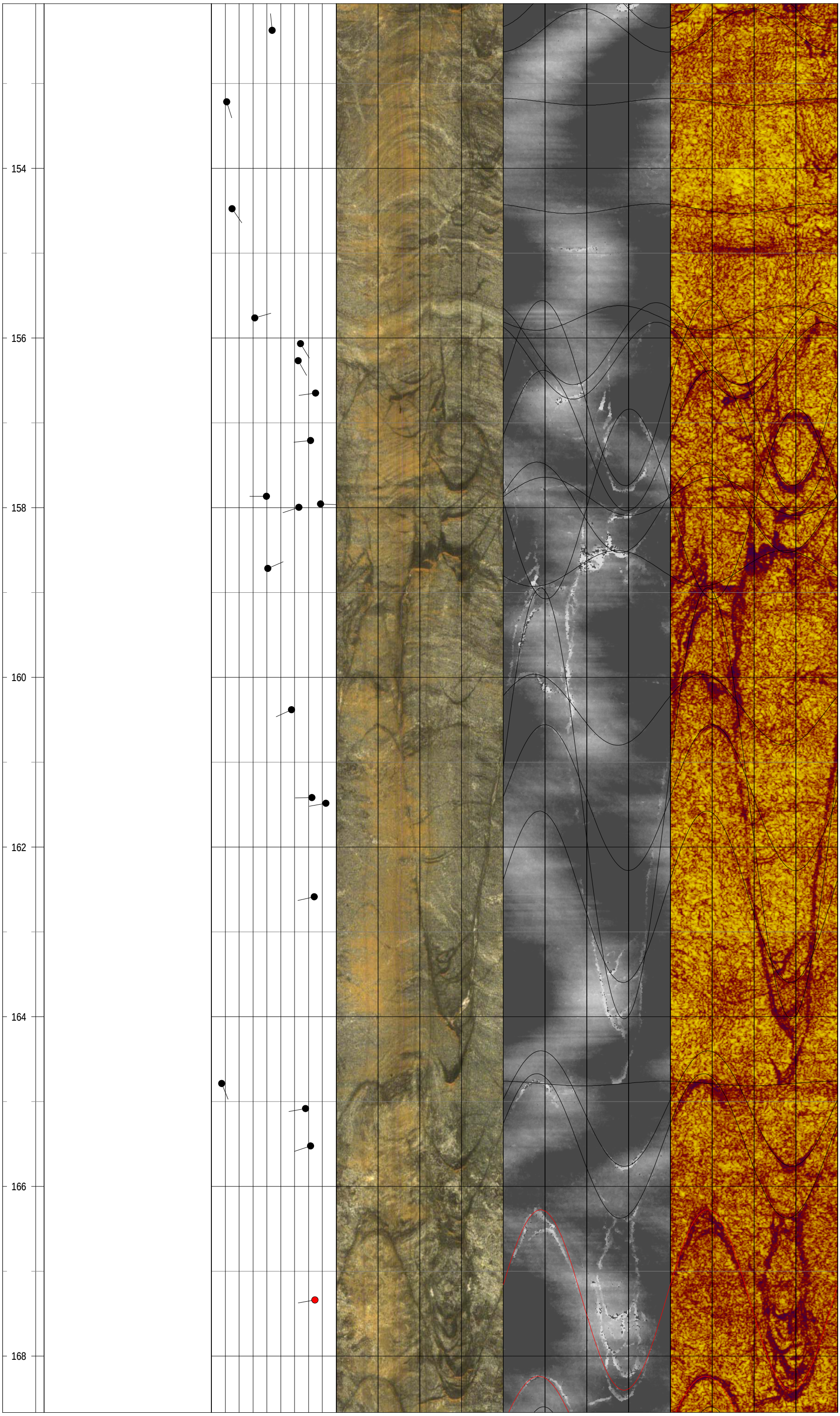
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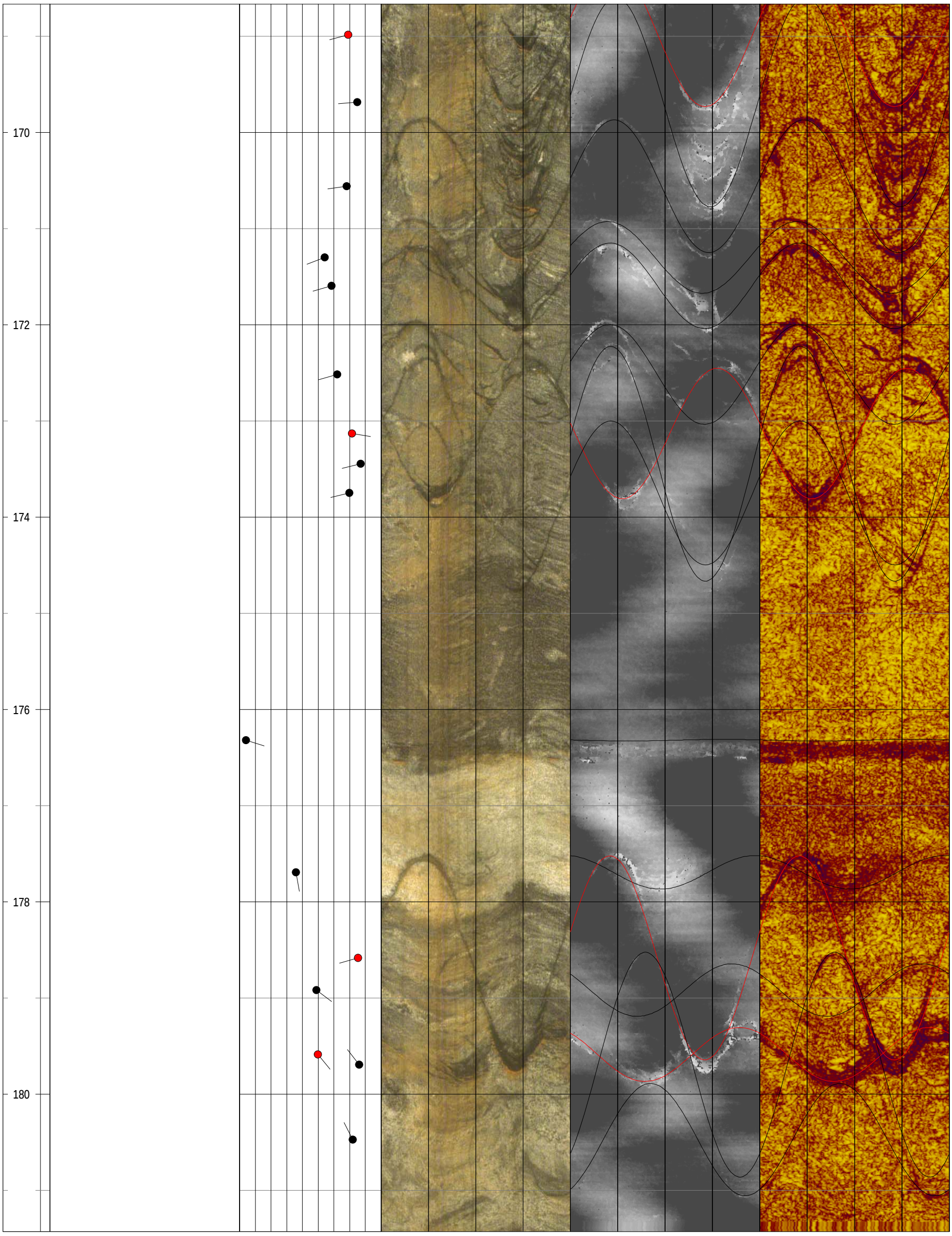
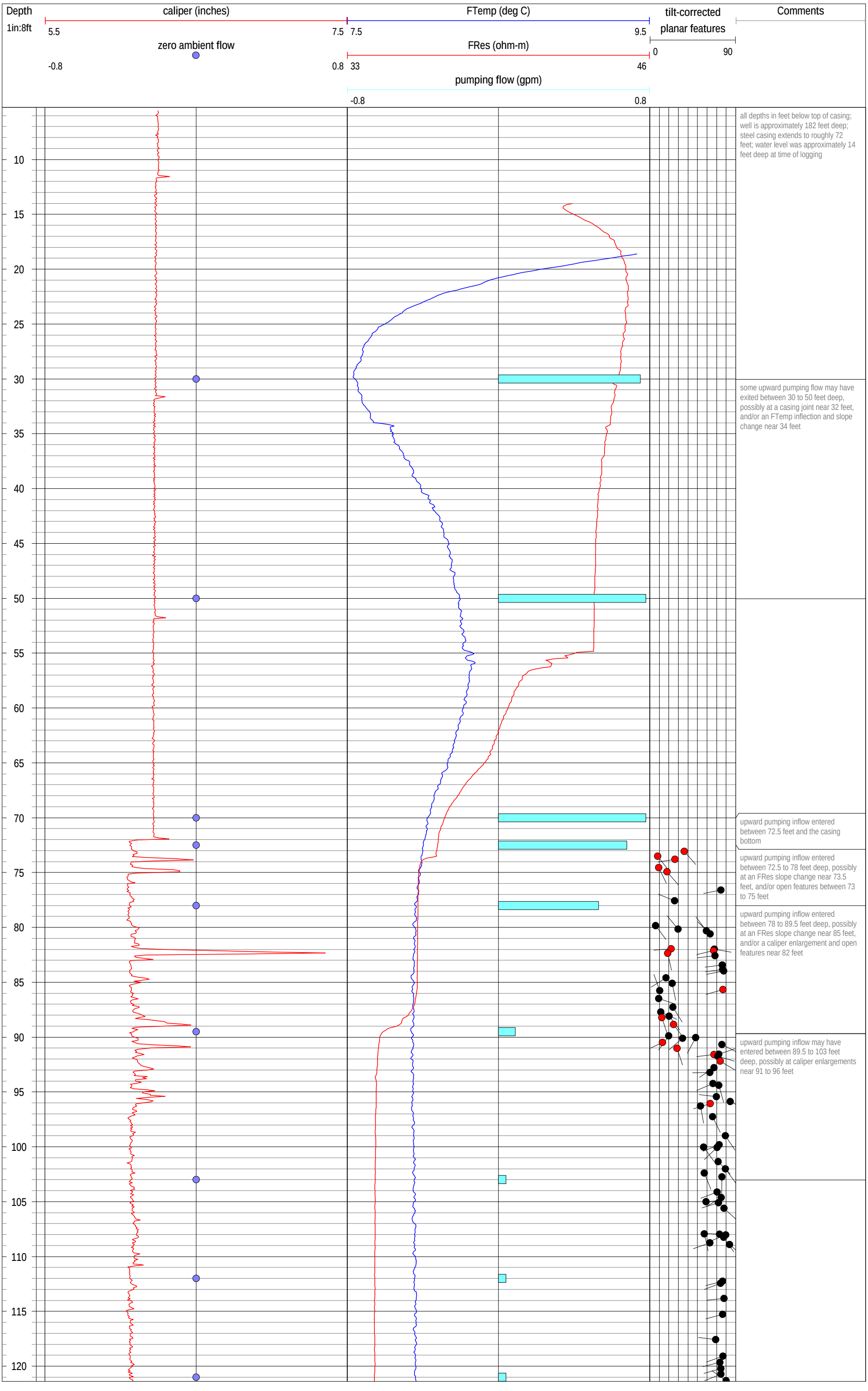
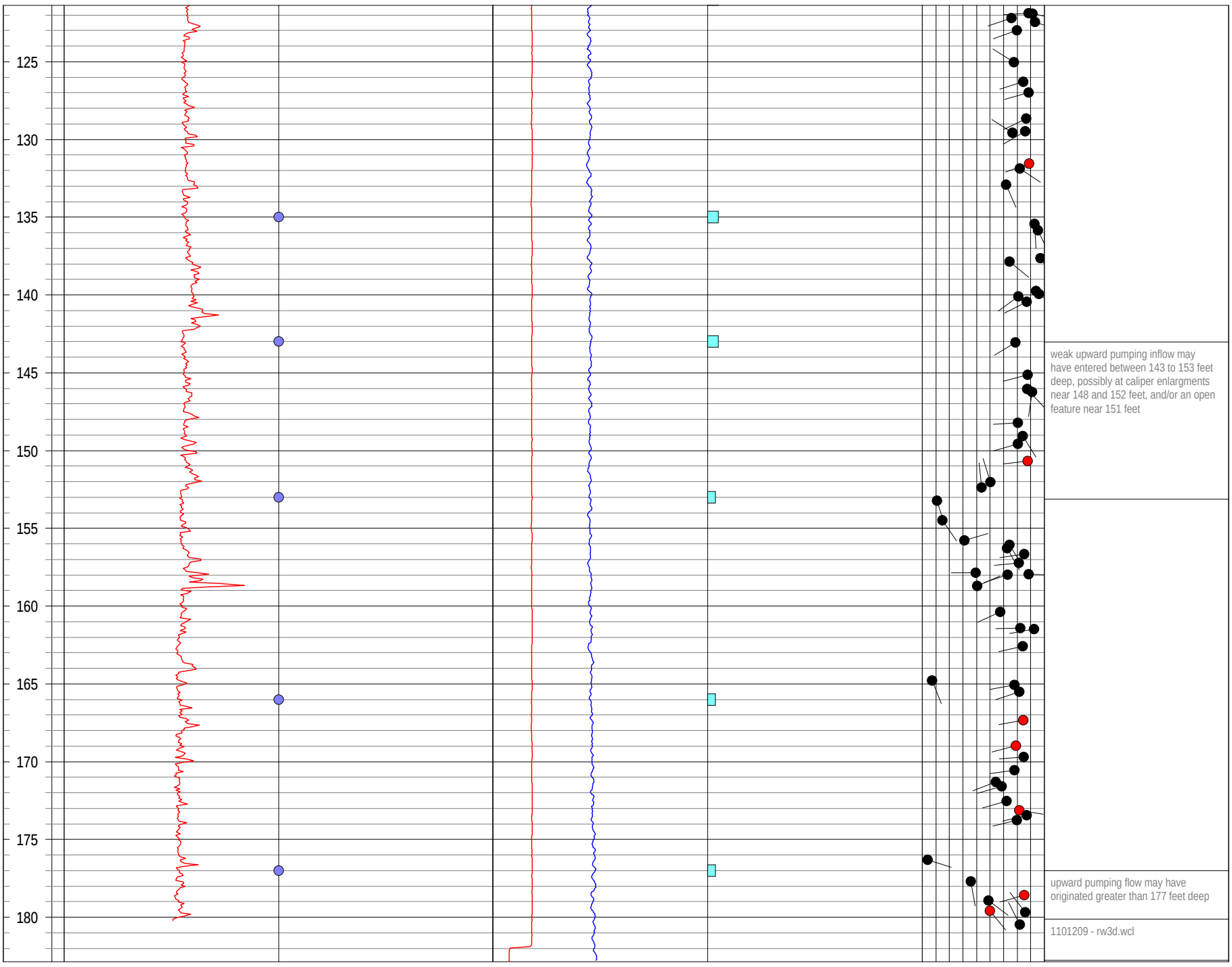


R2-0003657

ARCADIS / Ringwood, NJ - RW-3D conventional logs



R2-0003658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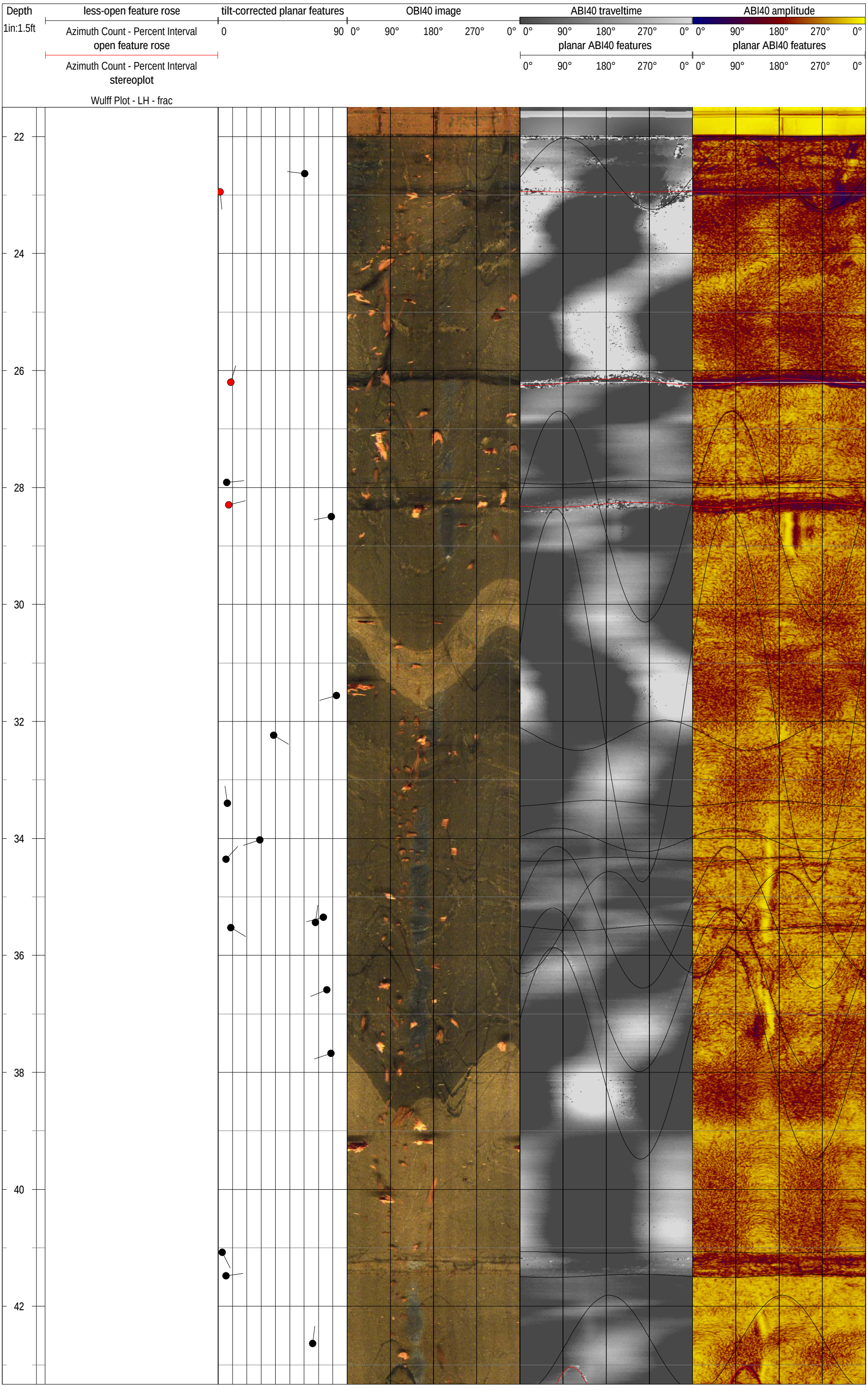
weak upward pumping inflow may have entered between 143 to 153 feet deep, possibly at caliper enlargments near 148 and 152 feet, and/or an open feature near 151 feet
upward pumping flow may have originated greater than 177 feet deep
1101209 - rw3d.wcl

R2-0003659

ARCADIS / Ringwood, NJ - RW-11 optical & acoustic televiewer logs



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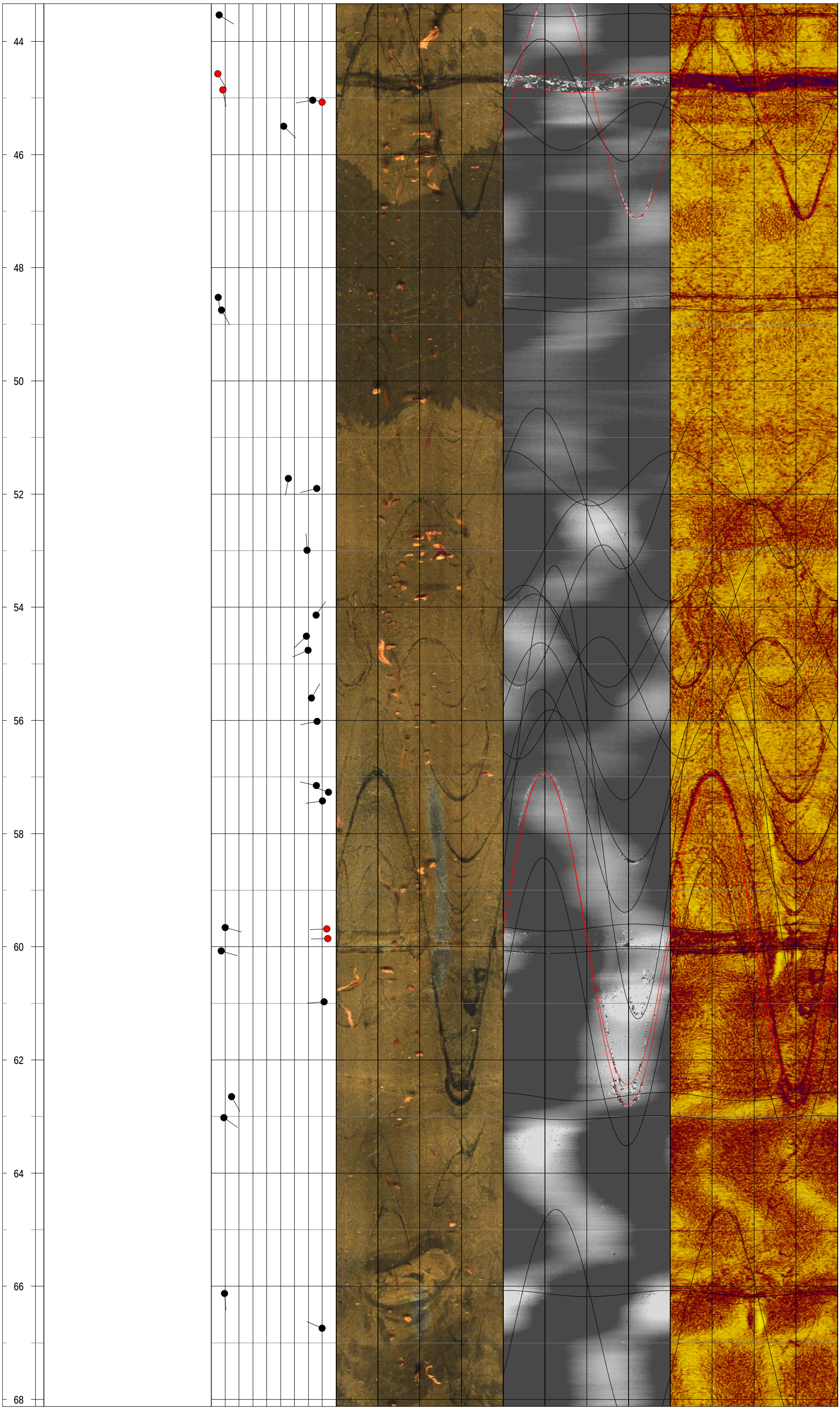
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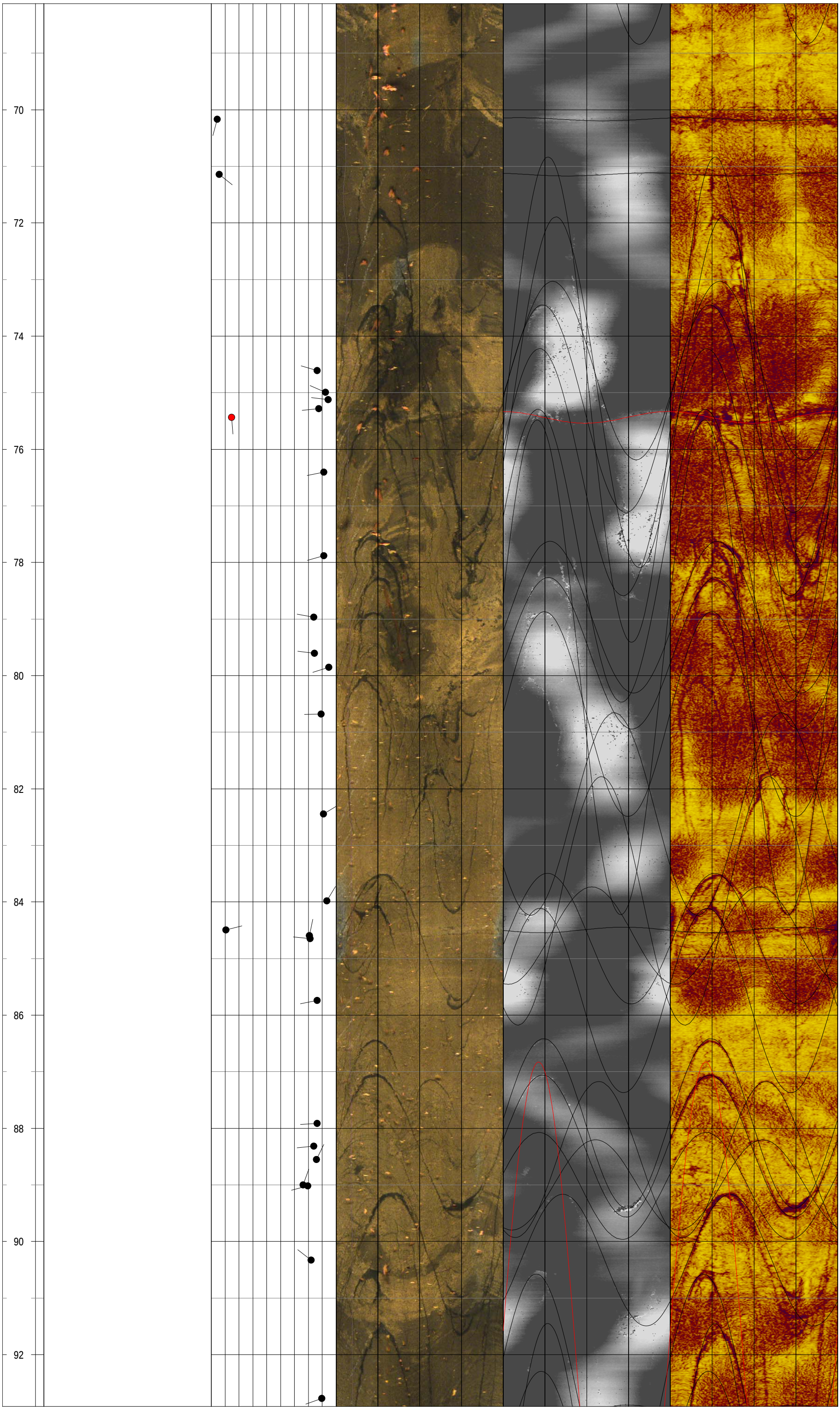
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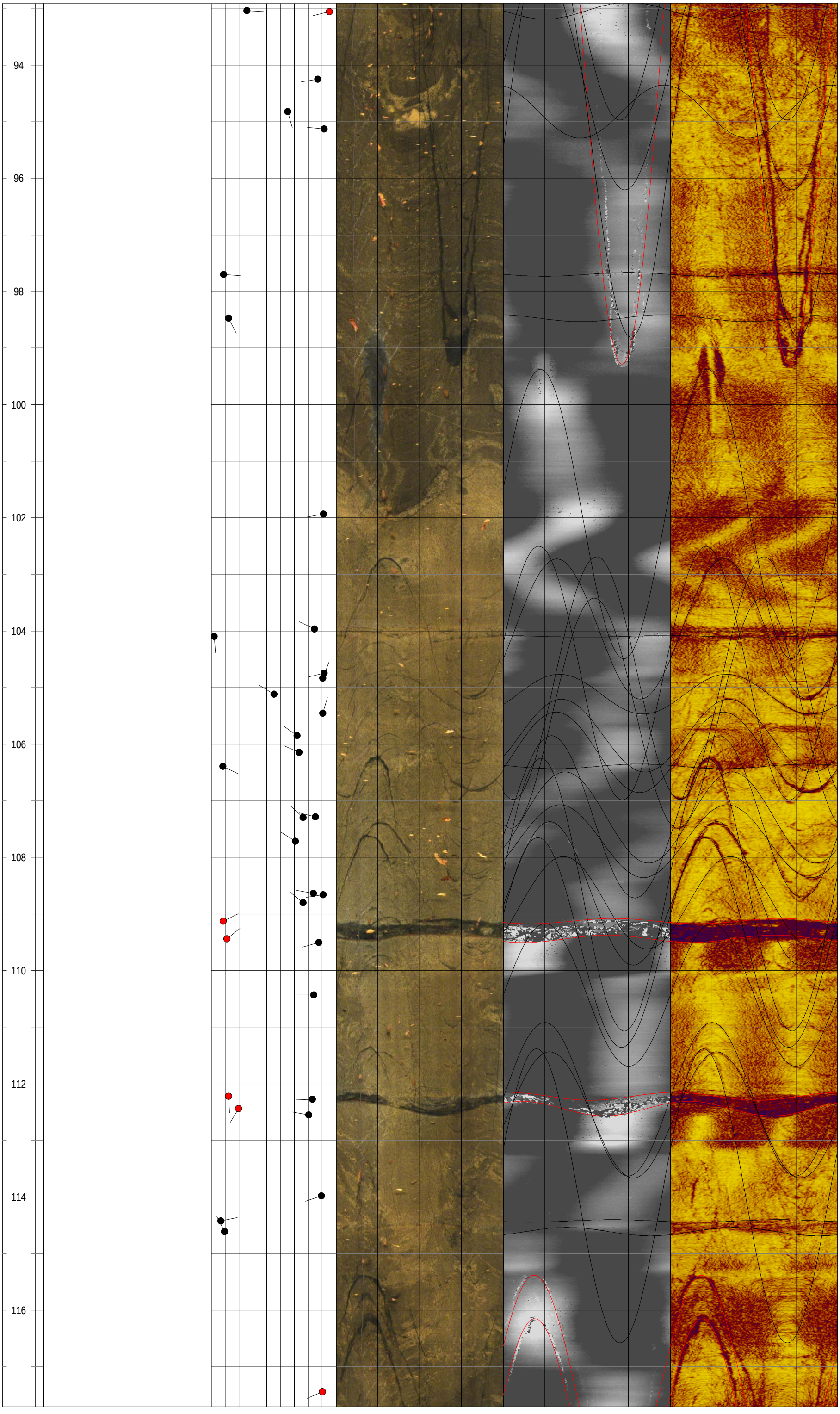
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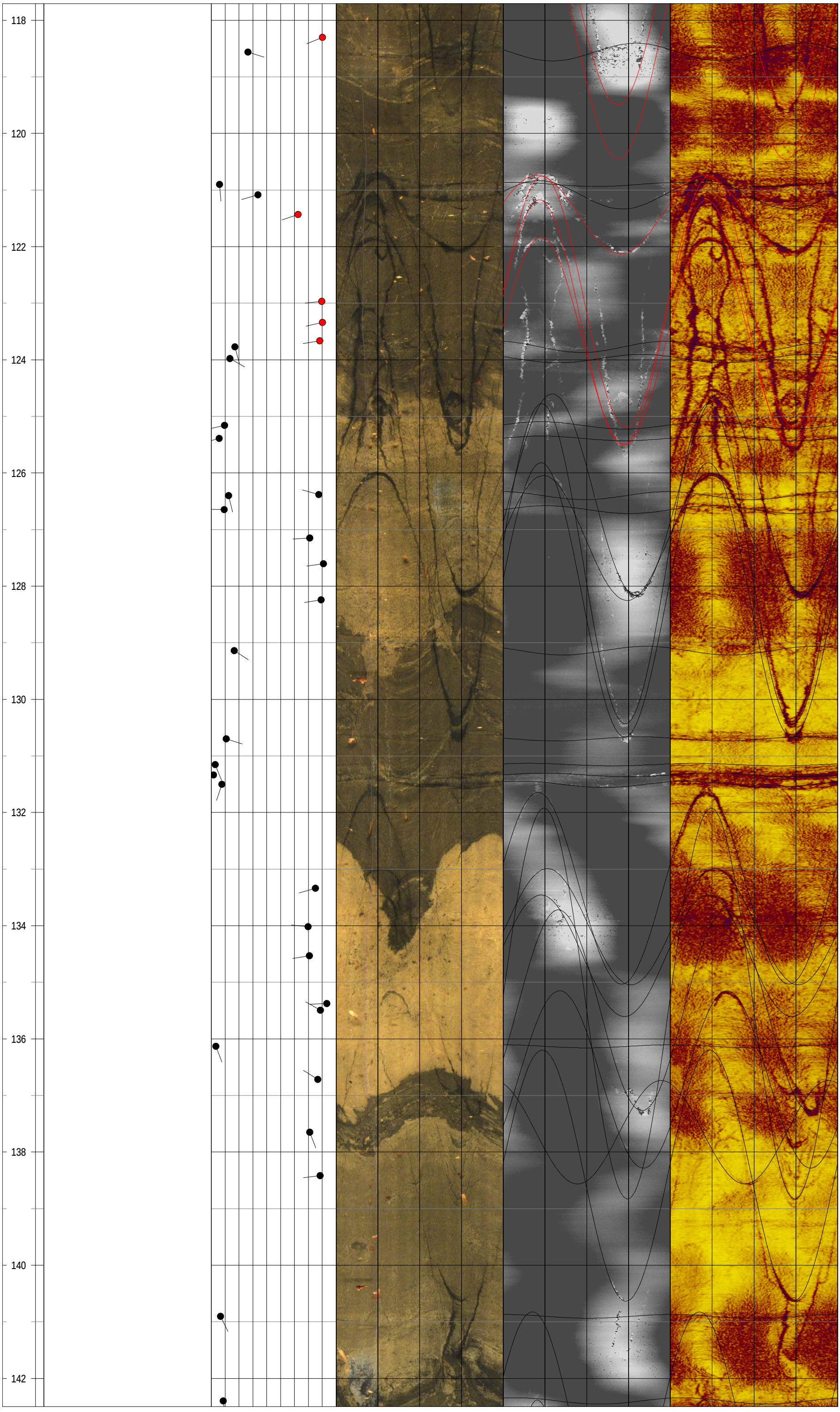

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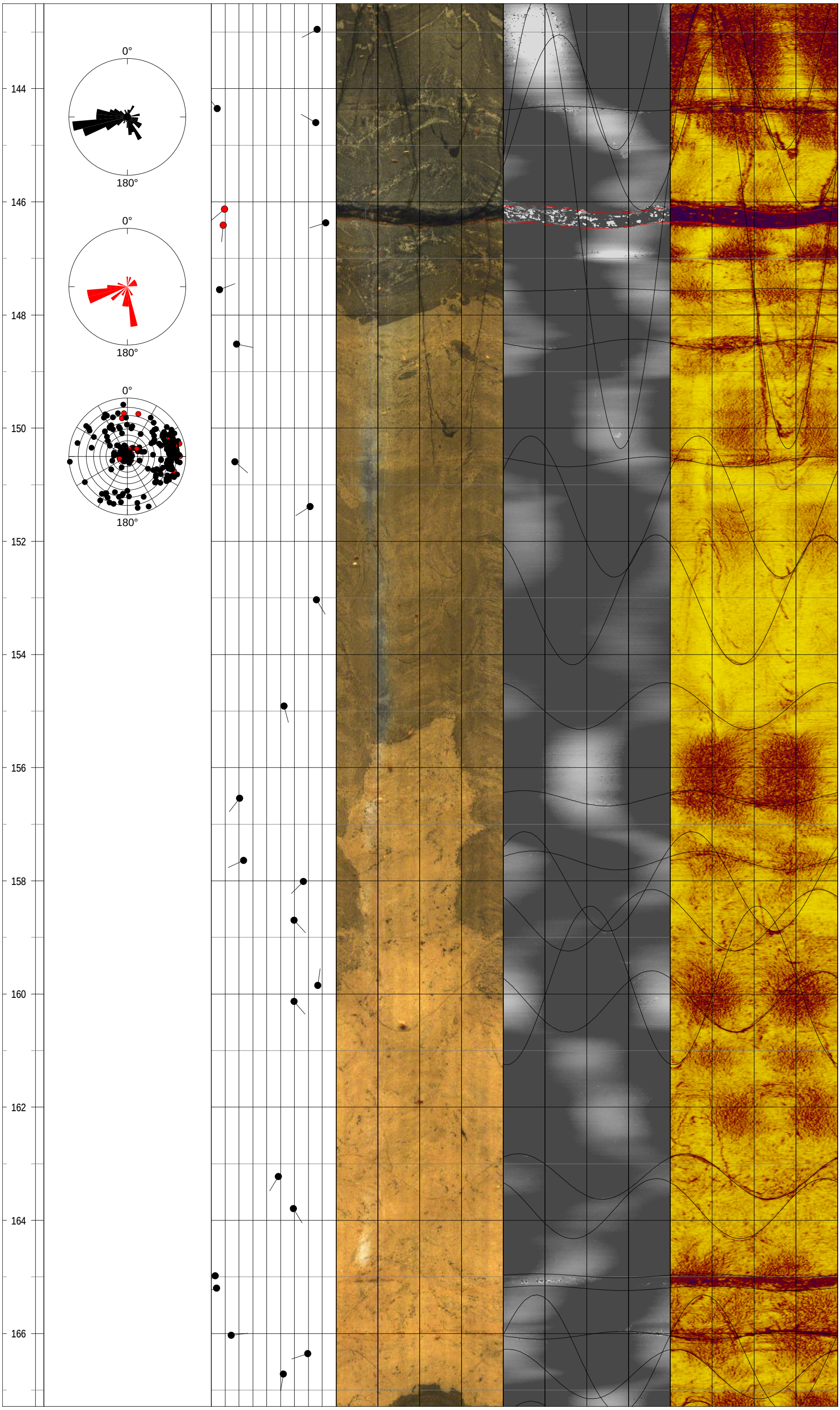
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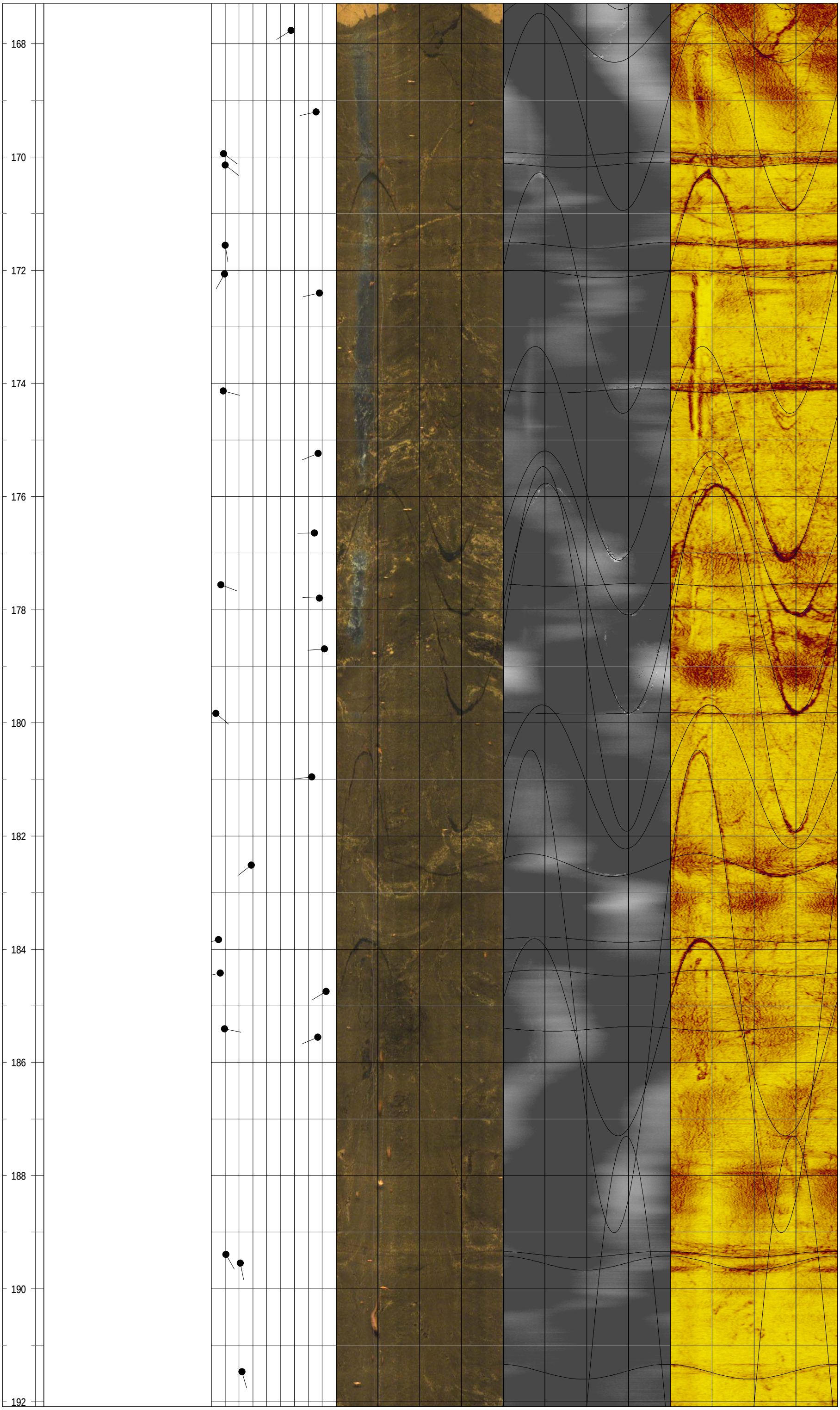

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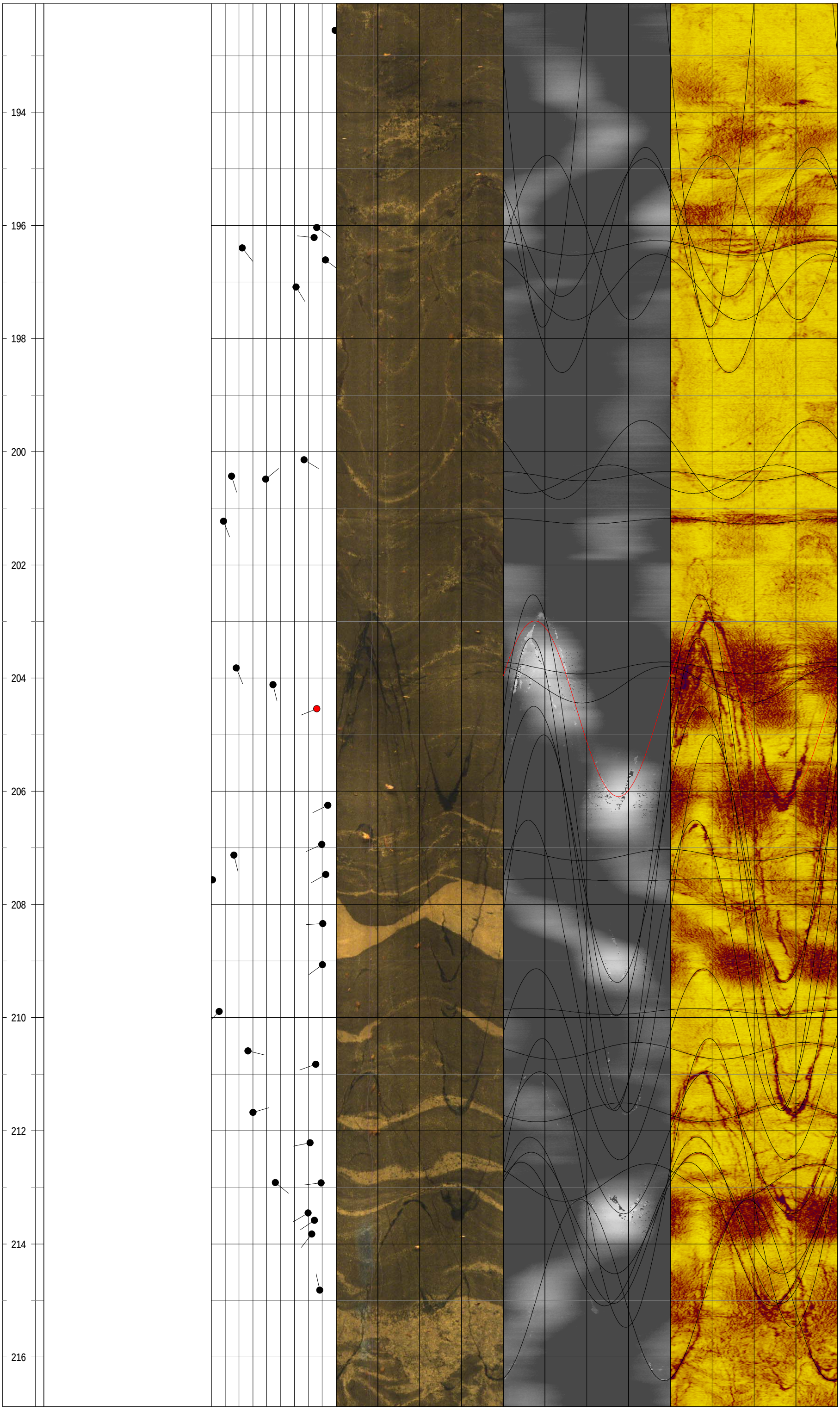
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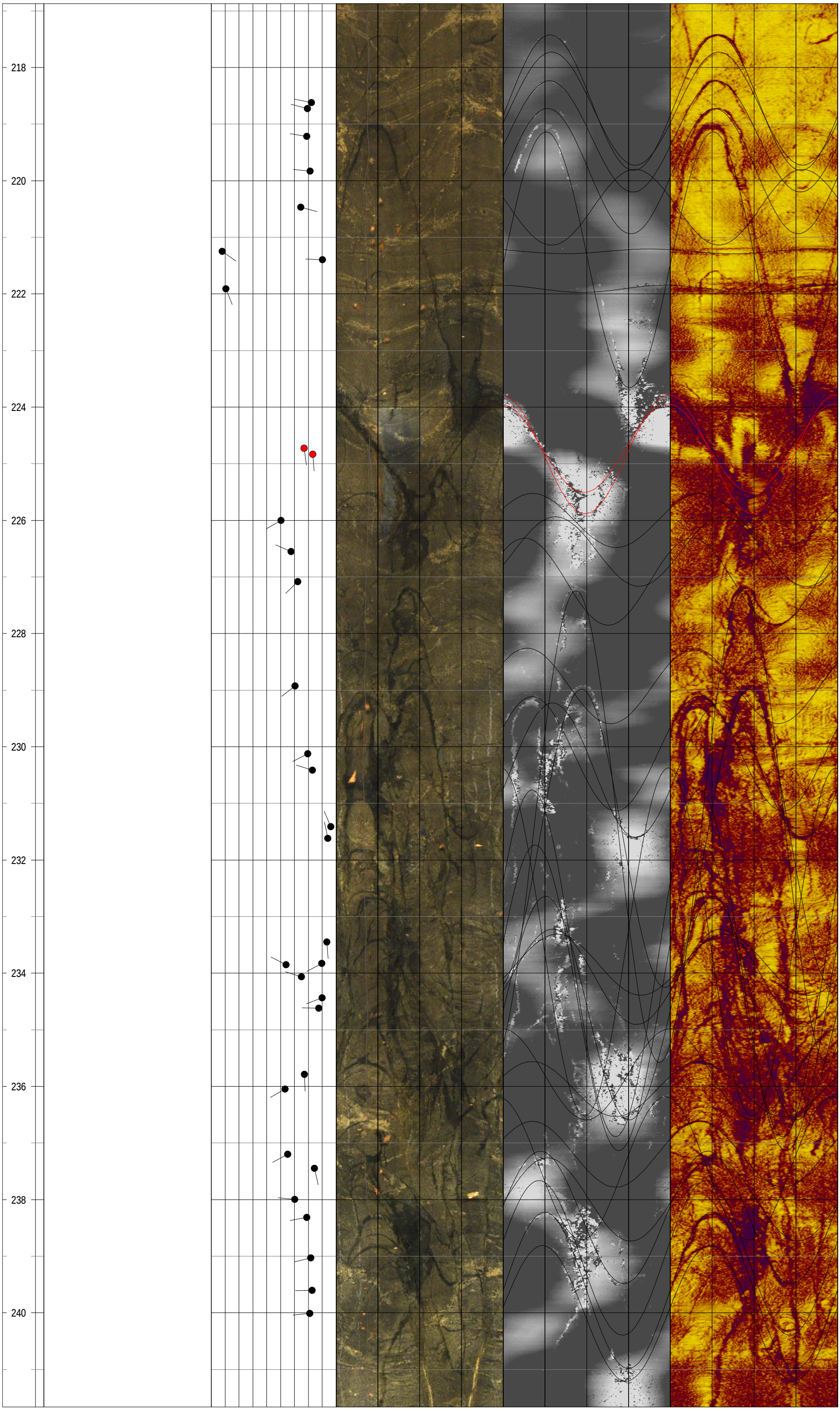
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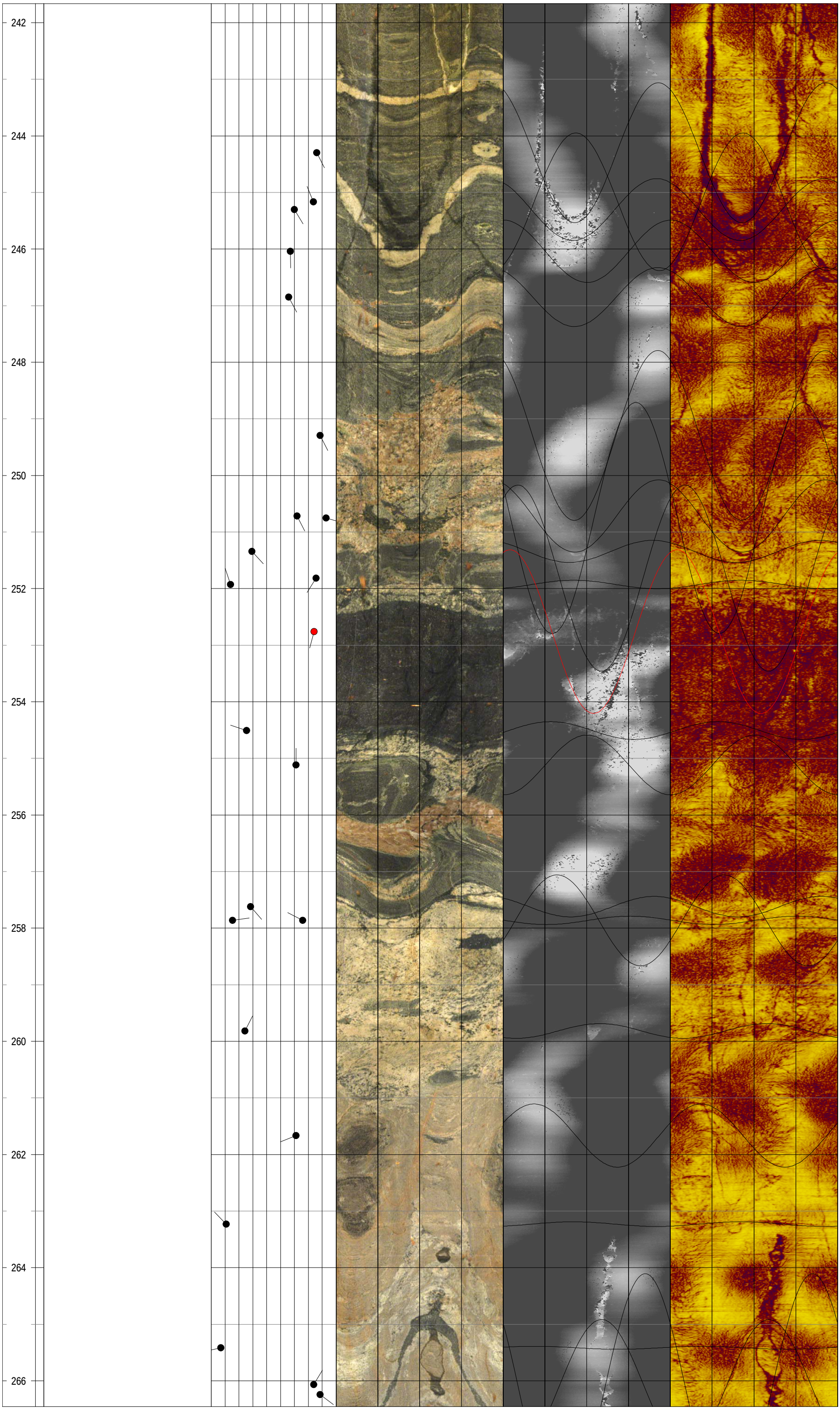
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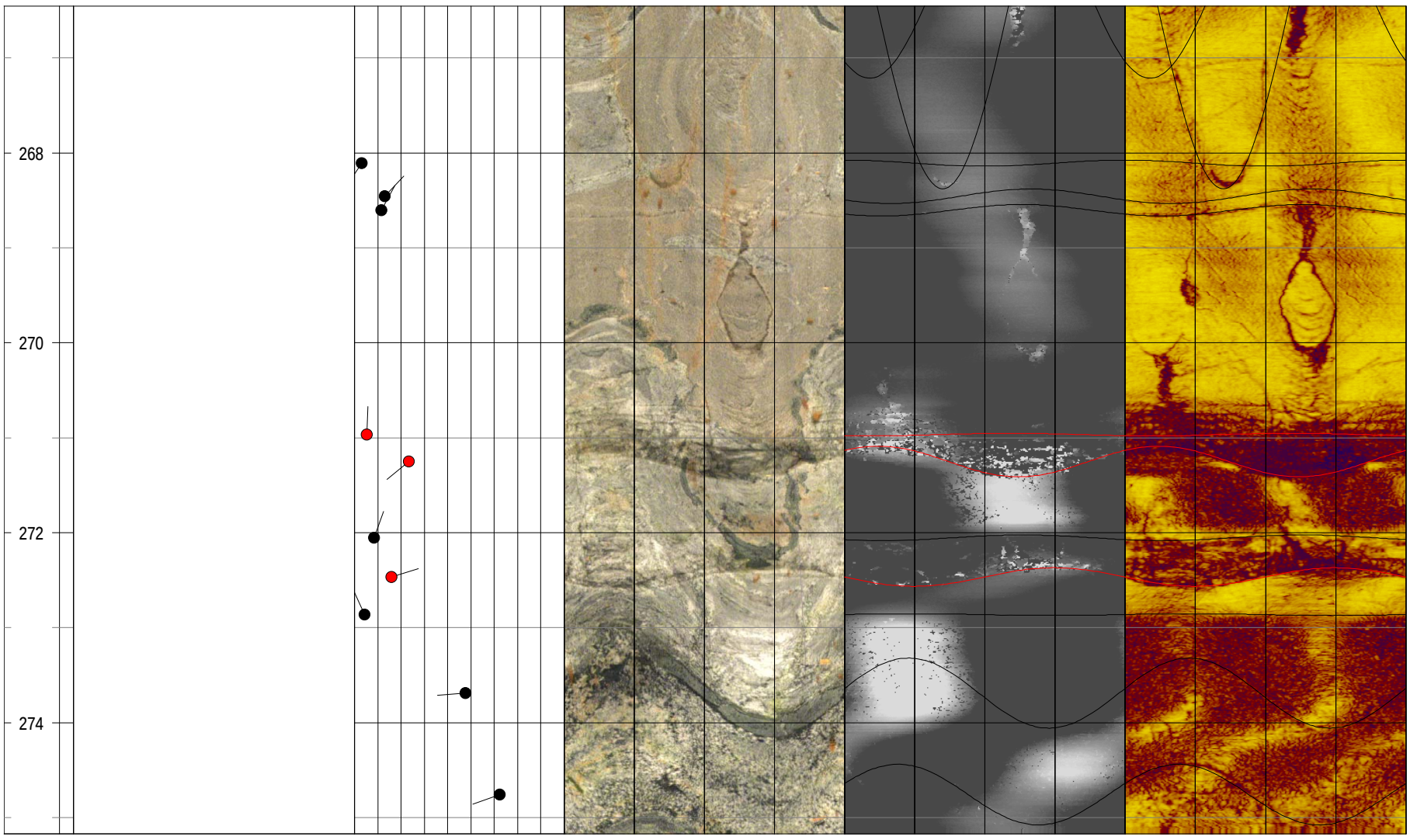
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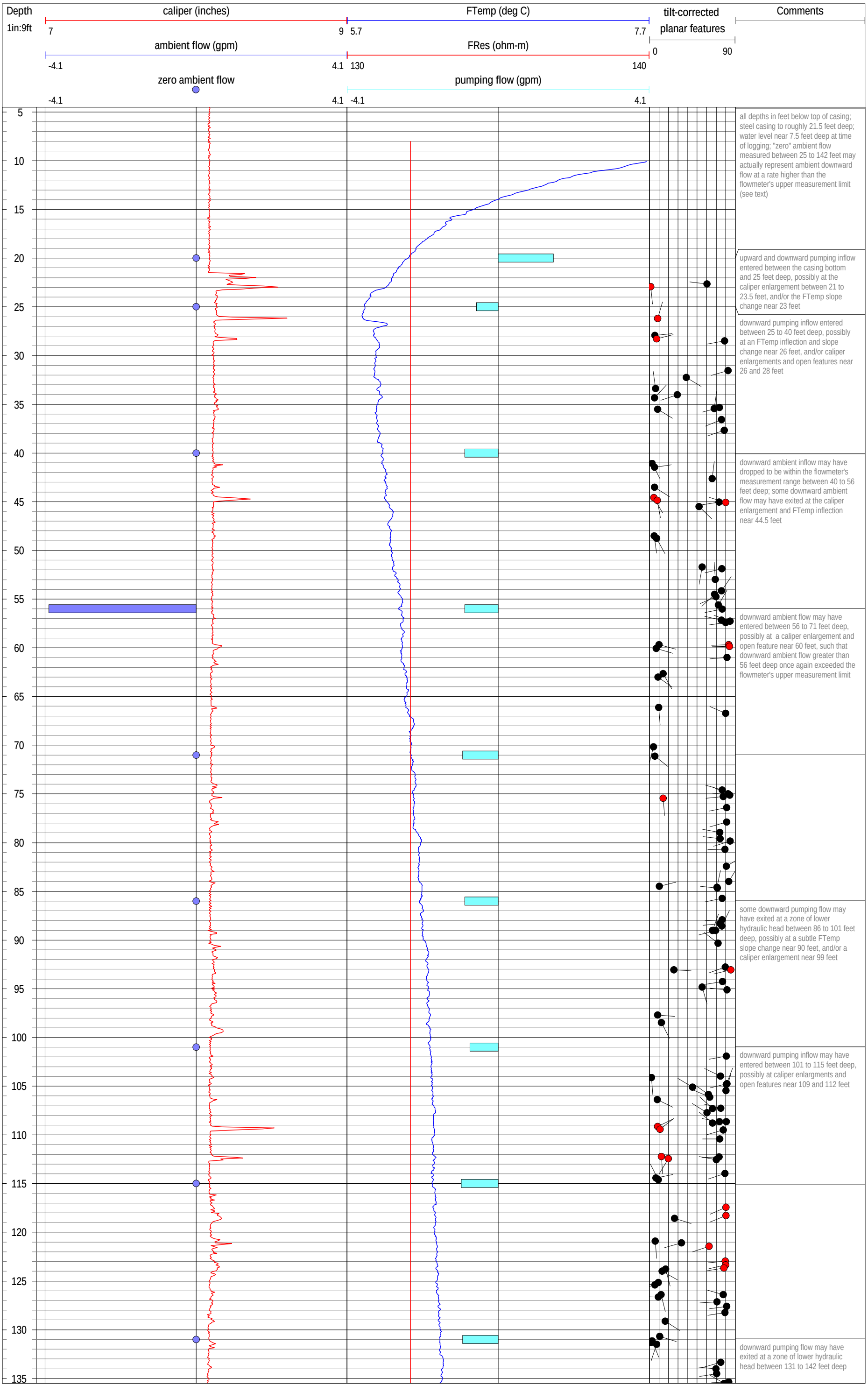
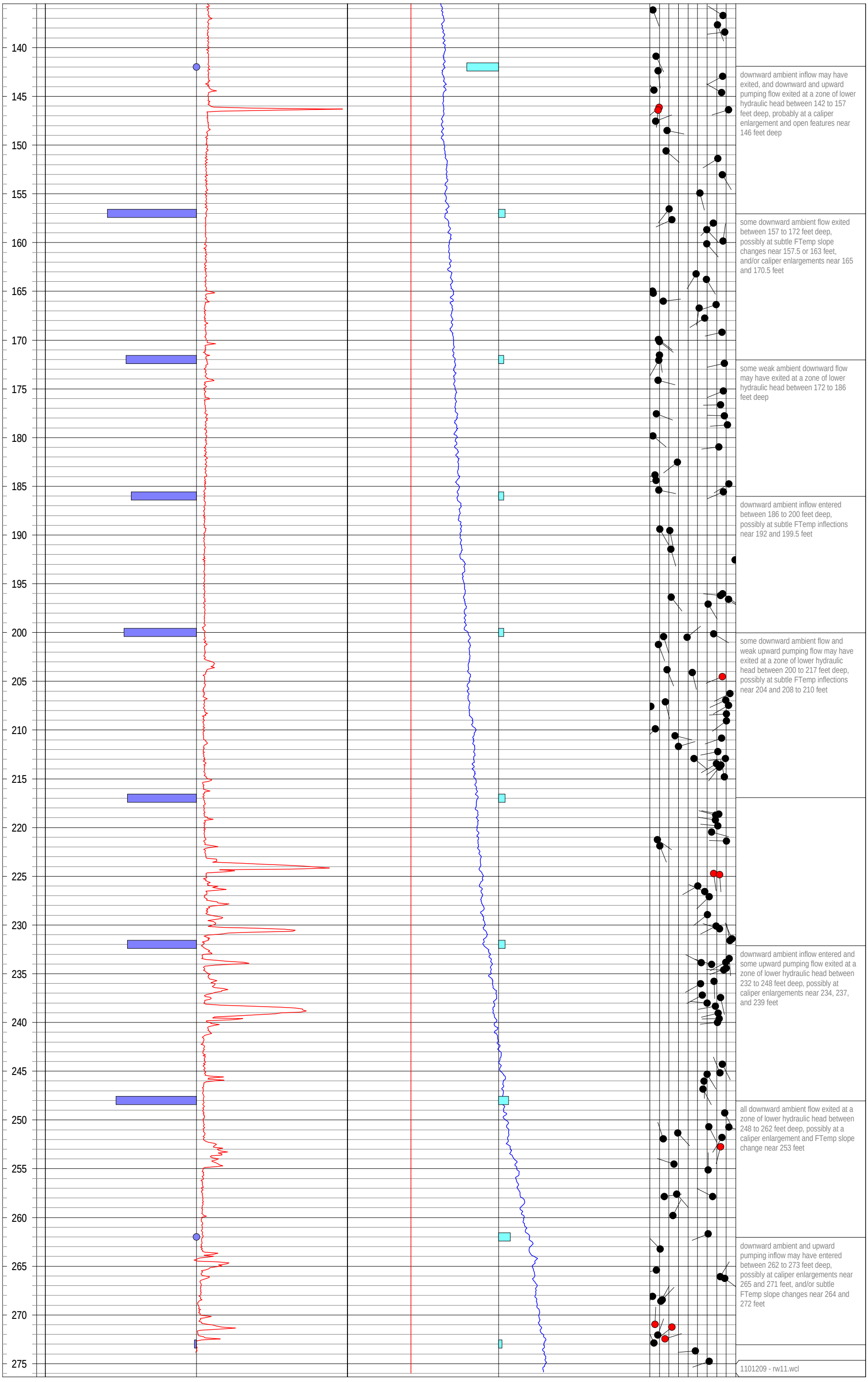
ARCADIS / Ringwood, NJ - RW-11 conventional logs



R2-0003671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downward ambient inflow may have exited, and downward and upward pumping flow exited at a zone of lower hydraulic head between 142 to 157 feet deep, probably at a caliper enlargement and open features near 146 feet deep
some downward ambient flow exited between 157 to 172 feet deep, possibly at subtle FTemp slope changes near 157.5 or 163 feet, and/or caliper enlargements near 165 and 170.5 feet
some weak ambient downward flow may have exited at a zone of lower hydraulic head between 172 to 186 feet deep
downward ambient inflow entered between 186 to 200 feet deep, possibly at subtle FTemp inflections near 192 and 199.5 feet
some downward ambient flow and weak upward pumping flow may have exited at a zone of lower hydraulic head between 200 to 217 feet deep, possibly at subtle FTemp inflections near 204 and 208 to 210 feet
downward ambient inflow entered and some upward pumping flow exited at a zone of lower hydraulic head between 232 to 248 feet deep, possibly at caliper enlargements near 234, 237, and 239 feet
all downward ambient flow exited at a zone of lower hydraulic head between 248 to 262 feet deep, possibly at a caliper enlargement and FTemp slope change near 253 feet
downward ambient and upward pumping inflow may have entered between 262 to 273 feet deep, possibly at caliper enlargements near 265 and 271 feet, and/or subtle FTemp slope changes near 264 and 272 feet
1101209 - rw11.wcl

PETERS MINE PIT
TARGETED REMOVAL AREA

PETERS
MINE AIR SHAFT

HISTORIC MINE
STRUCTURE

CMP CULVERT

FORMER
TEST TRENCH
NO. 01 (TT01)

FORMER
TEST TRENCH
NO. 02 (TT02)

CONCRETE COLLAR

INCLINE SHAFT

HISTORIC MINE
STRUCTURE

STATE OF NEW JERSEY
BOROUGH OF RINGWOOD

SHEEHAN DRIVE

Peters Brook

TMP

E — E'

F — F'

LEGEND:

- EXISTING CONTOUR
- ESTIMATED EXTENT OF HISTORIC FILL
- LIMITS OF PETERS MINE PIT INVESTIGATION AREA
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- PROPERTY BOUNDARY
- TREE LINE
- WETLAND BOUNDARY BY TRIDENT
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- FORMER TEST TRENCH LOCATION
- SC-2 SOIL BORING
- OB-19 OVERBURDEN MONITORING WELL
- SG-1 STAFF GAUGE
- RW-5 BEDROCK MONITORING WELL
- TP-6 INVESTIGATION TEST PIT
- CT-1 TUNNEL OPENING
- VS-1 / RSH-1 MINE SHAFTS
- SC-1 DIRECTIONAL MONITORING WELL
- 601 BLOCK
- 12 LOT
- DRILLING PAD
- E —— E' CROSS SECTION CALLOUT
- GROUNDWATER FLOW DIRECTION OF BEDROCK FROM MAY 2011
- GROUNDWATER FLOW DIRECTION OF OVERBURDEN FROM MAY 2011

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. EXTENT OF HISTORIC FILL ESTIMATED FROM 1961 AND 1974 COMPARISON FIGURE.
3. FRACTURE ORIENTATION OF PETERS MINE PIT AREA IS BASED ON BERGEN COUNTY, NEW JERSEY, MAGNETIC NORTH WHICH REPRESENTS A 13 DEGREE WESTERN DECLINATION OF TRUE NORTH.
4. DOWN-HOLE GEOPHYSICAL TELEVIEWER DATA WAS USED TO PLOT ROSE DIAGRAMS, TO INDICATE THE PREDOMINANT DOWN-DIP AZIMUTHS OF PLANAR FEATURES OBSERVED IN EACH WELL. THESE ROSE DIAGRAMS ARE PRESENTED WITH MAGNETIC NORTH ORIENTED STRAIGHT UP ON THE PRINTED PAGE. THE RED ROSE DIAGRAM REPRESENTS INFERRED OPEN FEATURES, AND THE BLACK ROSE DIAGRAM REPRESENTS INFERRED LESS-OPEN FEATURES.
5. THE STEREOPLOT SUMMARIZES THE OPEN AND LESS-OPEN FEATURE ORIENTATIONS INFERRED FROM EACH TELEVIEWER LOG. EACH STEREOPLOT WAS PREPARED USING AN EQUAL-ANGLE (SCHMIDT) PROJECTION OF THE SOUTHERN HEMISPHERE.

0 40 80
SCALE IN FEET

PETERS MINE PIT AREA
RINGWOOD, NEW JERSEY
RINGWOOD MINES/LANDFILL SITE REMEDIATION PROJECT

CROSS SECTION LOCATION AND FRACTURE ORIENTATION MAP

ARCADIS

FIGURE 1

R2-0003673

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On|Off|=*OFF=*REF*
G:\ENVCAD\Newtown\ACTIVITY\00606\400\03\00359\FIG 1 - Fracture Orientation_PMP-2.dwg LAYOUT: 1 SAVED: 2/6/2012 5:38 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 2/6/2012 5:38 PM BY: WASILEWSKI, MATT
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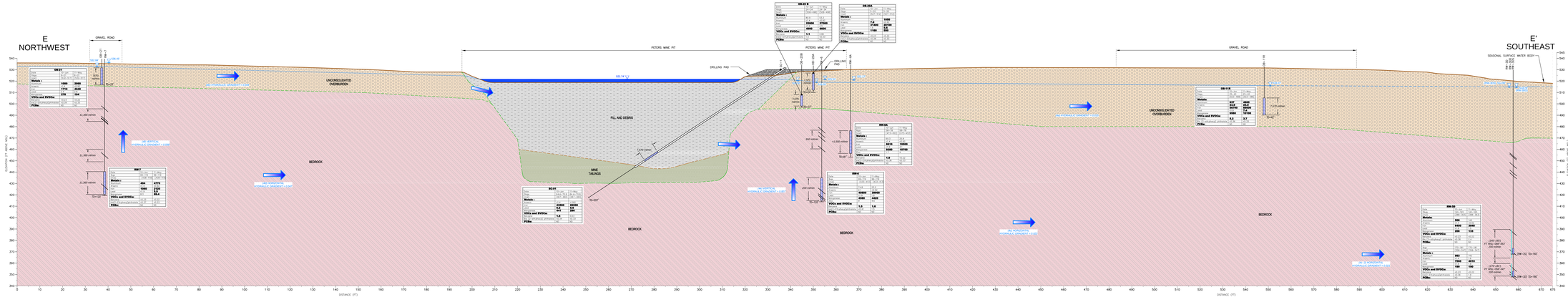
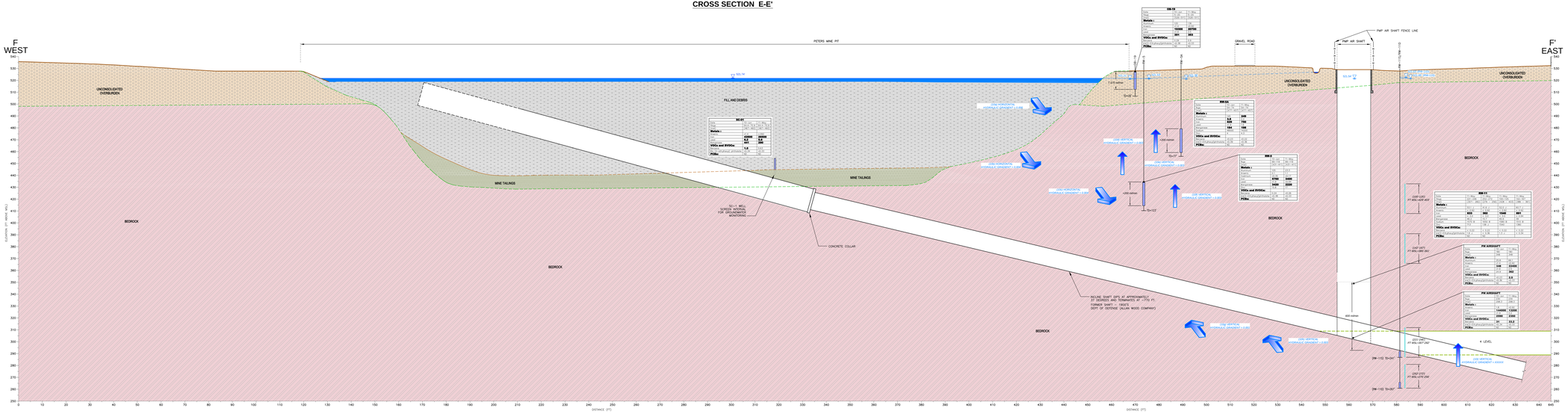


CROSS SECTION E-E'



CROSS SECTION F-F'

LEGEND:

- EXISTING GROUND SURFACE
- GROUNDWATER MEASUREMENT (DASHED WHERE INFERRED)
- 521.74' SURFACE/OVERBURDEN GROUNDWATER (DASHED WHERE INFERRED)
- SURFACE OF MINE TAILINGS (DASHED WHERE INFERRED)
- SURFACE OF BEDROCK (DASHED WHERE INFERRED)
- BEDROCK
- COVER SOIL AND DEBRIS
- FILL AND DEBRIS
- GRAVEL
- MINE TAILINGS
- UNCONSOLIDATED OVERBURDEN
- SURFACE WATER
- SC-1 DIRECTIONAL MONITORING WELL
- RW-11 BEDROCK MONITORING WELL
- OB-19 OVERBURDEN MONITORING WELL
- MSL MEAN SEA LEVEL
- FT MSL FEET MEAN SEA LEVEL
- ml/min MILLILITER PER MINUTE
- HYDRAULIC GRADIENT DIRECTION/ GROUNDWATER FLOW DIRECTION
- PACKER ZONE DEPTH
- GROUNDWATER ELEVATION
- SOIL SAMPLE/ WELL DESIGNATION
- EXISTING LAND SURFACE
- BOREHOLE/WELL CASING
- GEOLOGIC CONTACT (DASHED WHERE INFERRED)
- SCREENED INTERVAL
- TOTAL DEPTH OF BOREHOLE

SAMPLE INTERVAL (FEET BELOW GROUND SURFACE, OR MEAN SEA LEVEL)
SAMPLE ID
CONSTITUENT
SAMPLE DATE

- NA NOT ANALYZED
- ND NOT DETECTED ABOVE LABORATORY DETECTION LIMIT
- PCBs POLY-CHLORINATED BIPHYNALS
- ug/L MICROGRAMS PER LITER
- SVOCs SEMI-VOLATILE ORGANIC COMPOUNDS
- VOCs VOLATILE ORGANIC COMPOUNDS
- < LESS THAN
- **BOLD** CONTAMINANT DETECTED AT LEVELS GREATER THAN THE NJDEP GROUNDWATER QUALITY CRITERIA
- ftbgs FEET BELOW GROUND SURFACE msl MEAN SEA LEVEL

NOTES:

1. DEBRIS INCLUDES CARPET, FOAM, RUBBER, GLASS, WOOD, METAL, FILM, CARTONS, CAR PARTS.
2. CHEN BOXES REPRESENT JUNE 2010 DATA AND MAY 2011 DATA.
3. FRACTURE SYMBOLS DO NOT REPRESENT ORIENTATION OF BEDROCK.
4. HORIZONTAL HYDRAULIC GRADIENT CALCULATED JANUARY 24, 2012 DATA:
   - As: OB-22A TO OB-17R = 0.015
   - Bs: OB-17R TO OB-19 = 0.012
   - Cs: RW-5 TO RW-3A = 0.012
   - Ds: RW-3A TO RW-4 = 0.012
   - Es: RW-7 TO RW-8 = 0.047

   * = PREVIOUS GRADIENT CALCULATED FROM RW-8 TO RW-3

   VERTICAL HYDRAULIC GRADIENT CALCULATED FROM JANUARY 24, 2012 DATA:
   - As: RW-8 TO RW-8A = 0.002
   - Bs: RW-3 TO OB-21 = 0.038
5. GROUNDWATER FLOW IS PERPENDICULAR TO CROSS SECTION TRANSECT F-F', GROUNDWATER FLOW IS TO THE SOUTHEAST.
6. DEPTH TO WATER MEASUREMENTS COLLECTED ON 16 JANUARY 24, 2012.
7. THE OVERBURDEN RANGES FROM APPROXIMATELY 21 TO 70 FEET THICK. THE OVERBURDEN CONSISTS OF THE RAMAPO TILL, A DENSE, POORLY SORTED, GLACIAL DEPOSIT CONSISTING OF A MIXTURE OF CLAY, SILT, SAND, GRAVEL AND COBBLES RANGING FROM SILTY SAND TO SANDY SILT CONTAINING SOME TO MANY SUBROUND AND SUBANGULAR PEBBLES AND FEW SUBROUNDED BOULDERS.
8. BEDROCK CONSISTS OF METASEDIMENTARIES AND METASEDIMENTARY ROCKS OF THE HORSEN SUBTERRANE AND CHESSES OF THE LOGGE METAMORPHIC SUITE APPROXIMATELY 1.3 BILLION YEARS OLD. THE ROCK PRIMARILY CONSISTS OF CALC-SILICATE AND CALCITE MARBLE, GNEISS, AND AMPHIBOLITE WITH LESSER AMOUNTS OF QUARTZITE, SILLIMANITE-GARNET-MICA SCHIST, GNEISS, AND AMPHIBOLITE ROCK TYPE. THE STRUCTURAL NATURE OF BEDROCK AT THE SITE IS COMPLEX. THE ENTIRE SEQUENCE HAS BEEN FOLDED AND FAULTED AND IS NOW DIPPING TO THE NORTHWEST AT MODERATE ANGLES. FRACTURES AND JOINTS ARE PREVALENT IN THE BEDROCK AND ARE CHARACTERISTICALLY MODERATE TO WELL DEVELOPED, PLANAR, TYPICALLY MINERALIZED AND MODERATELY TO STEEPLY DIPPING WITH SPACING FROM A FOOT TO SEVERAL TENS OF FEET (GALEHOUSE, 2008).
9. F-F' CROSS SECTION IS ALONG STRIKE BASED ON BEDROCK ORIENTATION DATA FROM RW-5.
10. HORIZONTAL HYDRAULIC GRADIENT CALCULATED FROM JANUARY 24, 2012 DATA:
    - 10a: RW-5 TO OB-19 = 0.003
    - 10b: OB-19 TO RW-3A = 0.002
    - 10c: RW-3A TO SC-1 = 0.004

    VERTICAL HYDRAULIC GRADIENT CALCULATED FROM JANUARY 24, 2012 DATA:
    - 10a: RW-5 TO OB-19 = 0.003
    - 10b: OB-19 TO RW-3A = 0.002
    - 10c: RW-3A TO RW-3A = 0.002
    - 10d: RW-3A TO RW-3A = 0.002
    - 10e: RW-11S TO RW-3A = 0.003

HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=2'

PETERS MINE PIT AREA
RINGWOOD, NEW JERSEY
RINGWOOD MINES/LANDFILL SITE REMEDIATION PROJECT

CROSS SECTION AND FRACTURE ORIENTATION OF PETERS MINE PIT AND CROSS SECTION E-E' AND F-F'

ARCADIS

FIGURE 2

WORKING DRAFT (02/08/2012)

AZ-0003474

CITY:MARKHAM DIVISION:GRAPHICS/CAD GR.ID: LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(OBJECT)*;*;FREEZE
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CITY: Newtown, Pa DIV/GROUP: ENV DB: M. Wasilewski LD: M. Wasilewski PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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J3A2.SID
J3A5.SID
J3A6.SID

N W E S

SW/SD-13

Ringwood State Park Boundary

Former Drum Location

SR-5

Peters Mine Area

SR-3

SR-4

SR-9

SR-1

SR-2

SR-7

Former Drum Location

O'Connor Disposal Area

Former Ringwood Realty Corp. Property

Hope Pit

OB-26

OB-8

SW/SD-8 PAB-00

SW/SD-11

SW/SD-PAB-05

SW-11b

SW/SD-NOB-01

RW-7

OB-21

RW-5

OB-19

RW-11

RW-5A

OB-27

Peters Mine Pit

SC-1

OB-20A

Peters Mine Shaft

OB-20B

RW-6

RW-6A

SW/SD-PAB-01

Mountain Road

RW-4A

RW-4

SW/SD-PAB-06

RW-3

RW-3D

OB-11R

OB-11

OB-15A

OB-15B

SR-3 SEEP

SW / SD-12 PAB-01A

Cooper Mine Pit

OB-25

OB-24

SW/SD-PAB-02

OB-14A

OB-14B

SW/SD-15

SW-PAB-01(BP)

OB-23

OB-16

OB-22

OB-17

OB-28

SW/SD-PAB-03

OB-9

OB-18

SW/SD-9

Peters Mine Road

SW/SD-PMB-01

SW/SD-6

Keeler Mine Pit*

OB-7

Miller Pit*

SW/SD-14

Shaft*

Miller (New Miller) Pit*

OB-6

Diamond/Cannon Seep

Miller Mine Shaft

St. George Pit*

Cannon Mine Road

MRB-00

SW/SD-5

SW/SD-NOB-02

SW/SD-10

SW/SD-PAB-04

OB-10

Sally's Pond

Park Brook

North Brook

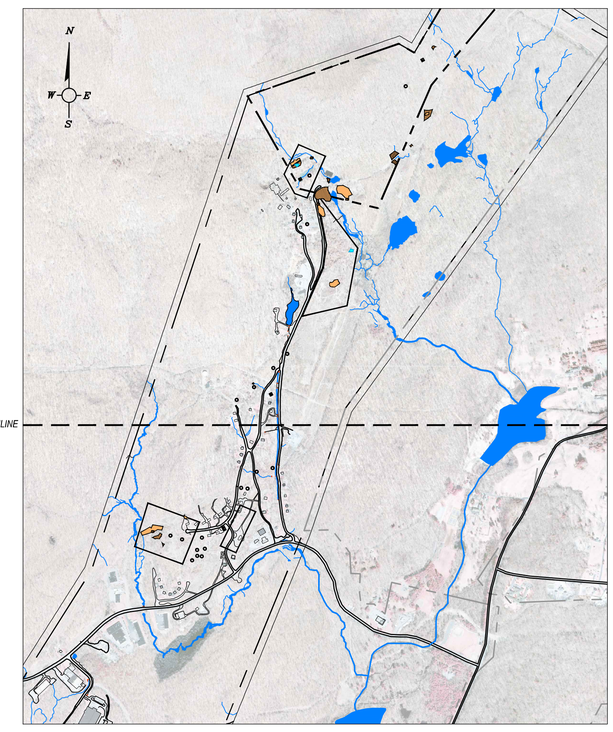
Park Brook

Park Brook

Park Brook

Park Brook

MATCHLINE CONTINUES ON SHEET '1B'



Key Map

0 1000' 2000'
GRAPHIC SCALE

LEGEND

Cannon	○	ABANDONED MINE PIT
Cannon Mine Shaft	◪	ABANDONED MINE SHAFT ENTRANCE
	*	APPROXIMATE LOCATION OF PIT
RW-4 OB-8	◔ ◔	MONITORING WELL
		DIRT ROAD
SW/SD-2	▲	SURFACE WATER AND SEDIMENT – SAMPLE LOCATION
SW/SD-MRB-01	▲	SURFACE WATER AND SEDIMENT – SAMPLE LOCATION FROM MINE BROOK
SW/SD-PMB-01	▲	SURFACE WATER AND SEDIMENT – SAMPLE LOCATION FROM PETERS MINE BROOK
SW/SD-NOB-01	▲	SURFACE WATER AND SEDIMENT – SAMPLE LOCATION FROM NORTH BROOK
SW/SD-PAB-01	▲	SURFACE WATER AND SEDIMENT – SAMPLE LOCATION FROM PARK BROOK
SW-PAB-01(BP)	▲	PROPOSED SURFACE WATER – SAMPLE LOCATION FROM BEAVER POND
SW-11b	▲	PROPOSED SURFACE WATER – SAMPLE LOCATION NEAR FORMER SAMPLING LOCATION SW/SD–11
	◈	BEDROCK WELL
	◘	DEEP BEDROCK WELL
	◬	DIRECTIONAL WELL
	◔	UNCONSOLIDATED WELL
	◔	MONITORING WELL DAMAGED OR NOT AVAILABLE FOR SAMPLING

CURRENT PAINT SLUDGE REMOVAL AREA (SR–3 THRU SR–9)

2004–2005 PAINT SLUDGE REMOVAL AREA COMPLETED TO DATE (SR–1 & SR–2)

PRE–2004 PAINT SLUDGE REMOVAL AREA

SUBSURFACE DRUM OR DRUM REMNANTS

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 feet.

RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY
PETERS MINE PIT AREA INVESTIGATION

SUMMARY OF SURFACE WATER SAMPLE LOCATIONS

ARCADIS

FIGURE
-

R2-0003675

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Fax 267-685-1801
www.arcadis-us.com

ENVIRONMENT

Mr. Joseph A. Gowers
Project Manager
United States Environmental Protection Agency, Region 2
Southern New Jersey Remediation Section
290 Broadway
New York, New York 10007-1866

Subject:
Sediment Sampling Report
Peters Mine Pit Pond
Ringwood Mines/Landfill Site, Ringwood, New Jersey

Date:
July 8, 2011
revised August 26,2011

Contact:
Kris D. Hallinger

Phone:
267.685.1816

Email:
Kris.Hallinger@
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Our ref:
NJ000604.0035.

Dear Mr. Gowers:

ARCADIS US, Inc. (ARCADIS), on behalf of the Ford Motor Company (Ford), is submitting this letter report to present the results of the sediment investigation of the pond located within the Peters Mine Pit Area (the PMP Pond) at the Ringwood Mines/Landfill Site in Ringwood, New Jersey. The United States Environmental Protection Agency (USEPA) requested the investigation of sediment in the PMP Pond during a February 14, 2011 conference call to discuss the Screening Level Ecological Risk Assessment (SLERA) for the Peters Mine Area (ARCADIS, 2011). Subsequent to this call, ARCADIS prepared and submitted a sediment sampling work plan for thew PMP Pond dated April 25, 2011, which was approved by USEPA on April 29, 2011.

The objective of the sampling was to evaluate the nature and quality of sediments within the pond, and to assess whether constituents of potential ecological concern (COPEC) were present within the pond sediments. This letter report provides a summary of the scope of work, sampling methodologies, and sediment sampling results.

Scope of Work

The sampling team used a small non-motorized row boat to conduct the investigation of the pond in accordance with the approved April 25, 2010 work plan. A GPS unit was used to identify six sampling locations within the pond as indicated on Figure 1. At each sampling location, the depth to the bottom of the pond was recorded using a weighted measuring tape. In addition, a sediment sample from the pond bottom was collected at each location by advancing a dedicated sediment corer to a depth of 12 inches below the substrate surface via direct push of a decontaminated 3-inch

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diameter Lexan® tube. Following retrieval of the tubes, the sediment within the corer was extruded onto a decontaminated plastic-lined tray and screened at 2-inch intervals with a Photo-ionization Detector (PID). The field team also evaluated the sediment core for color, texture, and any apparent odors.

Samples were collected from the 0 to 6-inch depth interval for analysis of Target Compound List (TCL) Semivolatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCB), Target Analyte List (TAL) Metals, Total Organic Carbon (TOC), and Grain Size. Samples for Volatile Organic Compound (VOC) analysis were collected from the 6 to 12-inch depth interval using Encore® samplers (NJDEP, 2005). Following VOC sample collection, field personnel collected pH measurements for the 0 to 6-inch depth interval from a 1:1 slurry of sediment and de-ionized water using a Horiba U-10 water quality meter. Sediment from the 0 to 6–inch depth interval was then transferred to laboratory-provided, certified-clean containers. All samples were maintained under chain-of-custody procedures and transferred to Accutest for laboratory analysis.

Results

Concentrations of constituents of potential ecological concern (COPEC) were screened using NJDEP's ecological screening levels for sediment, or ecologically-based screening levels (EBSLs), in a manner similar to the method used in the Peters Mine Area SLERA report (ARCADIS, 2011). This screening was consistent with NJDEP's Guidance for Sediment Quality Evaluations (NJDEP, 1998).

Results of the data screening using EBSLs are summarized below. It should be noted that multiple EBSLs were used for comparison purposes to help put the results into context and to identify potential adverse environmental effects, such as effects on plant and animal populations and communities in the Effects Evaluation step. The EBSLs used in this evaluation were obtained from NJDEP as the primary source and some secondary sources where necessary.

These EBSLs included the following:

- NJDEP sediment fresh water criteria for lowest effects level (LEL). The LEL represents the concentration at which adverse effects may begin to be seen in benthic organisms.
- USEPA Region 5 Ecological Screening Levels for sediment if NJDEP LEL values are unavailable.

- National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Table (SQuiRT) for sediment.

If available, the lowest-effect level (LEL) sediment screening values were used because they typically represent the most-conservative screening value for a given COPEC. Screening with severe effects levels (SELs) was also conducted if a COPC exceeded the LEL to put the exceedance into perspective.

Results of sampling are summarized within Table 1. Table 2 provides a summary of hazard quotients (HQs), for the results presented in Table 1, and Table 3 provides a summary of field measurement results. The laboratory data report is provided in Attachment 1.

Volatile Organic Compounds

No VOCs were detected in any samples collected within the sediment with the exception of acetone and carbon disulfide. There are no sediment screening values for these two chemicals and they were detected at very low concentrations.

Semi-volatile Organics

SVOCs detected in one or more sediment samples at trace concentrations less than EBSLs included 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 Phenanthrene. Bis(2-ethylhexyl)phthalate was detected at concentrations greater than the LEL screening value in two sediment samples.

Although all results were non-detect, analytical detection limits for the SVOCs 2,4-dichlorophenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 2-chlorophenol, 4- nitrophenol, and phenol exceeded a LEL sediment screening value in at least one sample.

No PCBs were detected in the sediment samples with the exception of Aroclors 1254 and 1260. The concentrations of Aroclor 1254 detected were less than the sediment EBSL while Aroclor 1260 concentrations were greater than the EBSL in four of the six sediment samples, with a maximum detected concentration of 0.0196 mg/kg. This is only slightly above the LEL screening value for Arolclor 1260 of 0.005 mg/kg. The resultant hazard quotients (HQs) for this compound were less than 4 (Table 2).

In addition, the SEL screening values for PCB Aroclors 1254 and 1260 (34 mg/kg and 25 mg/kg, respectively) are substantially greater than the detected concentrations.

Inorganics

Numerous metals were detected in the sediment samples. Of those detected, antimony, arsenic, cadmium, copper, lead, nickel, and zinc exceeded a screening value in one or more samples (Table 1). The laboratory detection limits for antimony, cadmium, and silver exceeded the sediment LEL in one or more samples as indicated in Table 1. However, the detection limits were typically less than two times greater than the LEL value.

Screening values or EBSLs were unavailable for some constituents, such as acetone, carbon disulfide, dimethyl phthalate, Aroclor 1242, and vanadium. However, these constituents were typically not detected in the samples or, if detected, were at trace concentrations. Typically, the detected concentrations were less than LEL screening values for other constituents with similar chemical structure or within the same chemical class. Further, those constituents for which screening values are unavailable are not considered “target” constituents at the Site. For these reasons, the uncertainty associated with the unavailability of screening values for some constituents appears limited and to not pose a concern in this evaluation.

Table 2 provides a summary of sampling results for sediment collected from the PMP pond, including maximum and average concentrations of COPEC. As discussed above, detected concentrations of Aroclor 1260, bis(2-ethylhexyl)phthalate, antimony, arsenic, cadmium, copper, lead, nickel, and zinc exceeded the freshwater sediment LELs. Arsenic was the only metal that exceeded its SEL. Although the SELs are not used for screening purposes in the SLERA, they do provide perspective in terms of potential severe adverse impacts.

Based on the screening of the maximum concentration of COPCs detected in the sediment samples, the HQs presented in Table 2 indicate values greater than 1.0 for bis(2-ethylhexyl)phthalate (2.0), Aroclor 1260 (3.9), antimony (1.4), arsenic (12), cadmium (3.5), copper (2.9), lead (2.1), nickel (1.1), and zinc (3.0). All of these HQs are less than 4 with the exception of arsenic.

Conclusions and Recommendations

As indicated in Table 1, the majority of COPEC were not detected in the sediment samples collected from the PMP Pond. Of those detected, Aroclor 1260 and bis(2-ethylhexyl)phthalate were the only organic compounds exceeding a LEL screening value. Several metals exceeded their respective LELs in one or more samples, including antimony, arsenic, cadmium, copper, lead, nickel, and zinc. Arsenic exceeded its LEL and SEL in five out of six sediment samples. Arsenic was also the only COPEC to exceed a SEL value. The HQs discussed above and in Table 2 reflect these exceedances.

These screening results indicate that there is the potential for adverse impacts to aquatic species from COPEC in the sediment of the PMP Pond. Arsenic appears to be the primary COPEC based on concentrations greater than both the LEL and SEL screening values at the majority of sampling locations.

The draft Feasibility Study Report, submitted to the USEPA under separate cover, presents remedial alternatives that can be considered for use at the PMP Pond to address potential risk associated with COPEC. As a result, additional sediment sampling or ecological risk assessment for the Pond is unnecessary. .

Please feel free to contact the undersigned at 267-685-1816 if you have any questions or require additional information.

Sincerely,

ARCADIS U.S., Inc.

Principal Scientist

Copies:
Ken Petrone, New Jersey Department of Environmental Protection
Brian Bussa, Ford
Erich Zimmerman, ARCADIS

REFERENCES

ARCADIS. 2011. *Screening Level Ecological Risk Assessment Report – Peters Mine Area*. Ringwood Mines/Landfill Site, Ringwood, NJ. June 2010 (revised March 2011).

NJDEP. 1998. *NJDEP's Guidance for Sediment Quality Evaluations*. Site Remediation Program, Bureau of Environmental Evaluation and Risk Assessment. February.

NJDEP. 2005. *Field Sampling Procedures Manual*. Site Remediation Program. August.

Table 1: Summary of PMP Pond Sediment Sampling Results

Constituent	NJDEP Freshwater Sediment Quality Guidelines SEL	Notes	LEL	Notes	PMP-SED-1 5/12/2011	PMP-SED-2 5/12/2011	PMP-SED-3 5/12/2011	PMP-SED-4 5/12/2011	PMP-SED-5 5/12/2011	PMP-SED-6 5/12/2011
VOCs										
1,1,1-Trichloroethane	--		0.213	(a)	<0.00023	<0.00042	<0.0002	<0.00012	<0.0002	<0.00021
1,1,2,2-Tetrachloroethane	--		0.85	(a)	<0.00053	<0.00097	<0.00045	<0.00028	<0.00045	<0.00047
1,1,2-Trichloroethane	--		0.518	(a)	<0.00033	<0.00061	<0.00029	<0.00018	<0.00028	<0.0003
1,1-Dichloroethane	--		--	--	<0.00025	<0.00046	<0.00021	<0.00013	<0.00021	<0.00022
1,1-Dichloroethene	--		0.0194	(a)	<0.0012	<0.0022	<0.001	<0.00064	<0.001	<0.0011
1,2,4-Trichlorobenzene	--		5.062	(a)	<0.00062	<0.0011	<0.00053	<0.00033	<0.00053	<0.00055
1,2-Dibromo-3-chloropropane	--		--	--	<0.00097	<0.0018	<0.00084	<0.00052	<0.00083	<0.00087
1,2-Dibromoethane	--		--	--	<0.00025	<0.00045	<0.00021	<0.00013	<0.00021	<0.00022
1,2-Dichlorobenzene	--		0.294	(a)	<0.00048	<0.00089	<0.00042	<0.00026	<0.00041	<0.00043
1,2-Dichloroethane	--		0.26	(a)	<0.00062	<0.0011	<0.00053	<0.00033	<0.00053	<0.00055
1,2-Dichloropropane	--		0.333	(a)	<0.00023	<0.00043	<0.0002	<0.00013	<0.0002	<0.00021
1,3-Dichlorobenzene	--		1.315	(a)	<0.00049	<0.00091	<0.00043	<0.00027	<0.00042	<0.00044
1,4-Dichlorobenzene	--		0.318	(a)	<0.0006	<0.0011	<0.00052	<0.00033	<0.00051	<0.00054
2-Butanone (MEK)	--		--		<0.0035	<0.0065	<0.0031	<0.0019	<0.003	<0.0032
2-Hexanone	--		--		<0.0017	<0.0032	<0.0015	<0.00093	<0.0015	<0.0015
4-methyl-2-pentanone	--		--		<0.0015	<0.0027	<0.0013	<0.00078	<0.0012	<0.0013
Acetone	--		--		0.0328	0.0635	<0.0035	<0.0022	0.0241	<0.0036
Benzene	--		0.34	(b)	<0.00061	<0.0011	<0.00053	<0.00033	<0.00052	<0.00055
Bromodichloromethane	--		--		<0.00046	<0.00085	<0.0004	<0.00025	<0.00039	<0.00041
Bromoform	--		0.492	(a)	<0.00027	<0.0005	<0.00023	<0.00015	<0.00023	<0.00024
Bromomethane	--		--		<0.00072	<0.0013	<0.00063	<0.00039	<0.00062	<0.00065
Carbon disulfide	--		--		0.0011 J	<0.001	<0.00047	<0.00029	<0.00047	<0.00049
Carbon tetrachloride	--		1.45	(a)	<0.001	<0.0018	<0.00086	<0.00054	<0.00085	<0.00089
Chlorobenzene	--		0.291	(a)	<0.00061	<0.0011	<0.00052	<0.00033	<0.00052	<0.00054
Chloroethane	--		--		<0.0018	<0.0033	<0.0015	<0.00097	<0.0015	<0.0016
Chloroform	--		0.121	(a)	<0.00057	<0.001	<0.00049	<0.00031	<0.00049	<0.00051
Chloromethane	--		--		<0.0003	<0.00054	<0.00026	<0.00016	<0.00025	<0.00026
cis-1,2-Dichloroethene (trans	--		0.654	(a)	<0.00043	<0.00079	<0.00037	<0.00023	<0.00036	<0.00038
cis-1,3-Dichloropropene	--		--		<0.00024	<0.00044	<0.00021	<0.00013	<0.0002	<0.00021
Cyclohexane	--		--		<0.00027	<0.0005	<0.00023	<0.00015	<0.00023	<0.00024
Dibromochloromethane	--		--		<0.0002	<0.00036	<0.00017	<0.00011	<0.00017	<0.00018
Dichlorodifluoromethane	--		--		<0.0017	<0.0031	<0.0015	<0.00091	<0.0014	<0.0015
Ethylbenzene	--		1.4	(b)	<0.00067	<0.0012	<0.00057	<0.00036	<0.00057	<0.00059
Freon 113	--		--		<0.001	<0.0019	<0.00087	<0.00054	<0.00086	<0.0009
Isopropylbenzene	--		--		<0.00093	<0.0017	<0.0008	<0.0005	<0.00079	<0.00083
Methyl acetate	--		--		<0.0015	<0.0027	<0.0013	<0.0008	<0.0013	<0.0013
Methyl Tert Butyl Ether	--		--		<0.00051	<0.00093	<0.00044	<0.00027	<0.00043	<0.00045
Methylcyclohexane	--		--		<0.0012	<0.0022	<0.001	<0.00063	<0.001	<0.001
Methylene chloride	--		0.159	(a)	<0.0004	<0.00074	<0.00035	<0.00022	<0.00034	<0.00036
Styrene	--		0.254	(a)	<0.00019	<0.00035	<0.00017	<0.0001	<0.00016	<0.00017
Tetrachloroethene	--		0.45	(b)	<0.00026	<0.00048	<0.00022	<0.00014	<0.00022	<0.00023
Toluene	--		2.5	(b)	<0.00052	<0.00096	<0.00045	<0.00028	<0.00045	<0.00047
Trans-1,2-dichloroethene	--		0.654	(a)	<0.00081	<0.0015	<0.0007	<0.00043	<0.00068	<0.00072
trans-1,3-Dichloropropene	--		--		<0.00017	<0.00032	<0.00015	<0.000093	<0.00015	<0.00015
Trichloroethene	--		1.6	(b)	<0.00094	<0.0017	<0.00081	<0.00051	<0.0008	<0.00084
Trichlorofluoromethane	--		--		<0.00041	<0.00076	<0.00035	<0.00022	<0.00035	<0.00037
Vinyl Chloride	--		0.202	(a)	<0.00032	<0.00059	<0.00028	<0.00017	<0.00027	<0.00029
Xylene	--		>0.12	(b)	<0.00084	<0.0015	<0.00073	<0.00045	<0.00072	<0.00075

Table 1: Summary of PMP Pond Sediment Sampling Results

Constituent	NJDEP Freshwater Sediment Quality Guidelines				PMP-SED-1	PMP-SED-2	PMP-SED-3	PMP-SED-4	PMP-SED-5	PMP-SED-6
	SEL	Notes	LEL	Notes	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011
SVOC										
1,1'-Biphenyl	--		--		<0.0059	<0.0063	<0.0053	<0.0043	<0.0057	<0.0069
2,4,5-Trichlorophenol	--		--		<0.059	<0.063	<0.053	<0.043	<0.057	<0.069
2,4,6-Trichlorophenol	--		0.208	(a)	<0.047	<0.051	<0.043	<0.035	<0.046	<0.056
2,4-Dichlorophenol	--		0.0817	(a)	<0.081	**<0.088**	<0.073	<0.059	<0.079	**<0.096**
2,4-Dimethylphenol	--		0.304	(a)	<0.085	<0.092	<0.077	<0.062	<0.082	<0.1
2,4-Dinitrophenol	--		0.00621	(a)	**<0.062**	**<0.067**	**<0.056**	**<0.045**	**<0.06**	**<0.073**
2,4-Dinitrotoluene	--		0.0144	(a)	**<0.022**	**<0.024**	**<0.02**	**<0.016**	**<0.021**	**<0.026**
2,6-Dinitrotoluene	--		--		<0.019	<0.021	<0.017	<0.014	<0.019	<0.023
2-Chloronaphthalene	--		0.417	(a)	<0.016	<0.017	<0.014	<0.011	<0.015	<0.018
2-Chlorophenol	--		0.0319	(a)	**<0.051**	**<0.055**	**<0.046**	**<0.037**	**<0.049**	**<0.06**
2-Methylnaphthalene	--		0.07	(b)	<0.028	<0.03	<0.025	<0.021	<0.027	<0.033
2-Methylphenol	--		--		<0.058	<0.062	<0.052	<0.042	<0.056	<0.068
2-Nitroaniline	--		--		<0.022	<0.024	<0.02	<0.016	<0.022	<0.026
2-Nitrophenol	--		--		<0.054	<0.058	<0.048	<0.039	<0.052	<0.063
3&4-Methylphenol	--		--		<0.064	<0.069	<0.058	<0.047	<0.062	<0.076
3,3'-Dichlorobenzidine	--		0.127	(a)	<0.013	<0.014	<0.012	<0.0094	<0.012	<0.015
3-Nitroaniline	--		--		<0.02	<0.022	<0.018	<0.015	<0.02	<0.024
4,6-Dinitro-o-cresol	--		--		<0.062	<0.067	<0.056	<0.045	<0.06	<0.073
4-Bromophenyl phenyl ether	--		--		<0.018	<0.02	<0.017	<0.013	<0.018	<0.022
4-Chloro-3-Methylphenol	--		--		<0.051	<0.055	<0.046	<0.037	<0.049	<0.06
4-Chloroaniline	--		--		<0.016	<0.017	<0.015	<0.012	<0.016	<0.019
4-Chlorophenyl phenyl ether	--		--		<0.015	<0.016	<0.014	<0.011	<0.015	<0.018
4-Nitroaniline	--		--		<0.02	<0.021	<0.018	<0.014	<0.019	<0.023
4-Nitrophenol	--		0.0133	(a)	**<0.085**	**<0.092**	**<0.077**	**<0.062**	**<0.083**	**<0.1**
Acenaphthene	--		0.016	(b)	<0.00071	<0.00076	<0.00064	<0.00052	<0.00068	<0.00083
Acenaphthylene	--		0.044	(b)	<0.00061	<0.00066	<0.00055	<0.00044	<0.00059	<0.00072
Acetophenone	--		--		<0.0089	<0.0096	<0.008	<0.0065	<0.0086	<0.01
Anthracene	370		0.22		<0.0006	<0.00065	<0.00054	<0.00044	<0.00058	<0.00071
Atrazine	--		--		<0.01	<0.011	<0.009	<0.0073	<0.0096	<0.012
Benzaldehyde	--		--		<0.012	<0.013	<0.01	<0.0085	0.0883 J	<0.014
Benzo(a)anthracene	1480		0.32		0.0346	0.0403	0.00748	0.00453	0.0146	0.00952
Benzo(a)pyrene	1440		0.37		0.018	0.0118	<0.0008	0.00426	0.00808	0.00858
Benzo(b)fluoranthene	--		10.4	(a)	0.0271	0.0376	0.0138	0.0108	0.023	0.0271
Benzo(g,h,i)perylene	320		0.17		0.0174	0.0157	0.00561	<0.00055	0.0104	0.0632
Benzo(k)fluoranthene	1340		0.24		0.0177	<0.00088	<0.00073	<0.00059	<0.00079	<0.00096
Benzyl butyl phthalate	--		--		<0.029	<0.032	<0.026	<0.021	<0.028	<0.035
bis(2-Chloroethoxy)methane	--		--		<0.02	<0.022	<0.018	<0.015	<0.02	<0.024
bis(2-Chloroethyl)ether	--		3.52	(a)	<0.015	<0.016	<0.014	<0.011	<0.015	<0.018
bis(2-chloroisopropyl)ether	--		--		<0.015	<0.016	<0.014	<0.011	<0.015	<0.018
Bis(2-ethylhexyl)phthalate	0.75	(c)	0.182	(a)	0.0668 J	0.188	0.371	<0.033	0.153	<0.053
Caprolactam	--		--		<0.016	<0.017	<0.014	<0.012	<0.015	<0.019
Carbazole	--		--		<0.023	<0.025	<0.021	<0.017	<0.023	<0.028
Chrysene	460		0.34		0.0244	0.0193	0.00526	0.00364 J	0.00955	0.00833
Dibenz(a,h)anthracene	130		0.06		0.00662	0.00626	<0.0011	<0.00088	<0.0012	<0.0014
Dibenzofuran	--		--		<0.015	<0.016	<0.014	<0.011	<0.015	<0.018
Diethyl phthalate	--		0.295	(a)	<0.017	<0.019	<0.016	<0.013	<0.017	<0.02
Dimethyl phthalate	--		--		<0.018	0.0839 J	<0.016	<0.013	<0.017	<0.021
di-n-Butyl phthalate	0.11	(c)	1.114	(a)	<0.011	<0.012	<0.01	<0.0082	<0.011	<0.013
di-n-Octylphthalate	--		--		<0.025	<0.027	<0.022	<0.018	<0.024	<0.029
Fluoranthene	1020		0.75		0.0303	0.0227	0.00491	0.00737	0.0137	0.0134
Fluorene	160		0.19		<0.00049	<0.00053	<0.00044	<0.00036	<0.00047	<0.00058
Hexachlorobenzene	24		0.02		<0.00051	<0.00055	<0.00046	<0.00037	<0.00049	<0.0006
Hexachlorobutadiene	--		0.0265	(a)	<0.014	<0.015	<0.013	<0.01	<0.014	<0.017
Hexachlorocyclopentadiene	--		0.901	(a)	<0.052	<0.056	<0.046	<0.038	<0.05	<0.061
Hexachloroethane	--		0.584	(a)	<0.014	<0.015	<0.013	<0.01	<0.014	<0.017
Indeno(1,2,3-cd)pyrene	320		0.2		0.017	0.0148	0.00583	<0.00062	0.00841	0.0136
Isophorone	--		0.432	(a)	<0.014	<0.015	<0.012	<0.0099	<0.013	<0.016
Naphthalene	--		0.16	(b)	0.00703	<0.00062	<0.00052	<0.00042	<0.00055	<0.00067
Nitrobenzene	--		0.145	(a)	<0.015	<0.016	<0.013	<0.011	<0.014	<0.017
N-Nitroso-Di-n-Propylamine	--		--		<0.012	<0.013	<0.011	<0.009	<0.012	<0.015
N-Nitrosodiphenylamine	--		--		<0.03	<0.033	<0.027	<0.022	<0.029	<0.036
Pentachlorophenol	--		23	(a)	<0.017	<0.018	<0.015	<0.012	<0.016	<0.019

Table 1: Summary of PMP Pond Sediment Sampling Results

Constituent	NJDEP Freshwater Sediment Quality Guidelines SEL	Notes	LEL	Notes	PMP-SED-1 5/12/2011	PMP-SED-2 5/12/2011	PMP-SED-3 5/12/2011	PMP-SED-4 5/12/2011	PMP-SED-5 5/12/2011	PMP-SED-6 5/12/2011
Phenanthrene	950		0.56		0.0094	0.0114	<0.00054	0.00448	0.00799	0.00799
Phenol	0.048	(c)	0.0491	(a)	***<0.053***	***<0.057***	<0.048	<0.039	***<0.051***	***<0.063***
Pyrene	850		0.49		0.033	0.0295	0.00753	0.00895	0.0205	0.0118
PCBs										
PCB Aroclor 1016	53		0.007		<0.0052	<0.0015	<0.0047	<0.0011	<0.0013	<0.0016
PCB Aroclor 1221	--		--		<0.0031	<0.0034	<0.0028	<0.0026	<0.003	<0.0037
PCB Aroclor 1232	--		--		<0.0026	<0.0028	<0.0024	<0.0022	<0.0026	<0.0031
PCB Aroclor 1242	--		--		<0.0017	<0.0018	<0.0015	<0.0014	<0.0016	0.0078
PCB Aroclor 1248	150		0.03		<0.0016	<0.0017	<0.0014	<0.0013	<0.0015	<0.0019
PCB Aroclor 1254	34		0.06		0.0074	0.0257	0.0136	<0.002	<0.0024	0.0093
PCB Aroclor 1260	24		0.005		0.0103	0.0119	0.0196	<0.0014	<0.0017	0.0084
Metals										
Aluminum	--		25500	2.55%(c)	5250	6310	4780	5270	6510	6540
Antimony	--		3	(c)	**4.1 B**	***<4.1***	***<3.3***	<2.8	***<3.7***	***<4.3***
Arsenic	33		6		**62.6**	**50.1**	**68.4**	**49.4**	**58.5**	**71.6**
Barium	--		--		37.3 B	49.8 B	34.1B	28.2 B	52 B	45.8 B
Beryllium	--		--		<0.18	<0.19	<0.16	<0.13	<0.18	<0.2
Cadmium	10		0.6		**<1.2**	2.1 B	**<1.1**	**<0.95**	**<1.2**	**<1.4**
Calcium	--		--		49000	40200	50900	43600	48000	50400
Chromium	110		26		12.4 B	14.3 B	11.2B	11.8 B	13.4 B	12.4 B
Cobalt			50	(a)	10.5 B	9.9 B	9.6B	11.2 B	12.7 B	10.2 B
Copper	110		16		40.2 B	32.4 B	29.2B	21.7 B	27.2 B	46 B
Iron	--		--		45500	36500	35800	59700	42900	36300
Lead	250		31		63.7	28.5 B	54.7	11.8 B	15.4 B	27.1 B
Magnesium	--		--		5530 B	5260 B	5220B	5170 B	7080 B	6290 B
Manganese	1100	(c)	630	(c)	266	258	257	245	334	297
Mercury	2		0.2		0.044 B	0.039 B	0.091	<0.017	0.041 B	0.081
Nickel	75		16		17.3 B	15.1 B	14.9B	16.2 B	17.9 B	16.7 B
Potassium	--		--		686 B	861 B	205B	1140 B	1250 B	836 B
Selenium	--		--		<7.6	<8.4	<6.8	<5.8	<7.6	<8.8
Silver	--		0.5	(b)	**<0.72**	**<0.79**	**<0.64**	**<0.55**	**<0.72**	**<0.83**
Sodium	--		--		1410 B	1490 B	1770B	1200 B	1070 B	1150 B
Thallium	--		--		<16	<17	<14	<12	<16	<18
Vanadium	--		--		99.6	83.5 B	82.9	108	92.2	91.5 B
Zinc	820		120		207	355	120	47.5	122	165

Notes:
Results are reported in milligrams per kilogram (mg/kg)
Sediment samples for VOC analyses were collected from the 0.5-1' depth interval. Samples for all other analyses were collected from the 0-0.5' depth interval.
VOCs = Volatile organic compounds.
SVOCs = Semi-volatile organic compounds.
PCBs = Polychlorinated biphenyls.
NJDEP = New Jersey Department of Environmental Protection
LEL = Lowest Effects Level
SEL = Severe Effects Level
NA = Not applicable
-- = Value not available
< = Constituent not detected, method detection limit given
J = Estimated concentration
B = Indicates a result greater than the method detection limit but less than the reporting limit
(a) = USEPA Region 5 RCRA Ecological Screening Levels (ESLs)
(b) = Screening values were developed for the protection of marine receptors; however they are considered surrogates for fresh water
(c) = Sediment value from the National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables (SQuiRTs)
Shaded results exceed LEL value for detected constituents
Bolded and shaded results exceed SEL value for detected constituents
Bolded results indicate constituent detection limit greater than LEL screening level
Bolded and italicized results indicate constituent detection limit greater than SEL screening level

Table 2. Summary of PMP Pond Sediment Hazard Quotients

Constituent	NJDEP Freshwater Sediment Quality Guidelines				Maximum Detected Concentration	Average Detected Concentration	Max. Hazard Quotient
	SEL	Notes	LEL	Notes			
VOCs							
Acetone	--		--		0.0635	0.0401	NA
Carbon disulfide	--		--		0.0011	0.0011	NA
SVOC							
Benzaldehyde	--		--		0.0883	0.0883	NA
Benzo(a)anthracene	1480		0.32		0.0403	0.0185	0.13
Benzo(a)pyrene	1440		0.37		0.018	0.0101	0.049
Benzo(b)fluoranthene	--		10.4	(a)	0.0376	0.0232	0.0036
Benzo(g,h,i)perylene	320		0.17		0.0632	0.0225	0.37
Benzo(k)fluoranthene	1340		0.24		0.0177	0.0177	0.074
Bis(2-ethylhexyl)phthalate	0.75	(c)	0.182	(a)	0.371	0.195	2.0
Chrysene	460		0.34		0.0244	0.0117	0.072
Dibenz(a,h)anthracene	130		0.06		0.00662	0.00644	0.11
Dimethyl phthalate	--		--		0.0839	0.0839	NA
Fluoranthene	1020		0.75		0.0303	0.0154	0.040
Indeno(1,2,3-cd)pyrene	320		0.2		0.017	0.0119	0.085
Naphthalene	--		0.16	(b)	0.00703	0.00703	0.044
Phenanthrene	950		0.56		0.0114	0.00825	0.020
Pyrene	850		0.49		0.033	0.0185	0.067
PCBs							
PCB Aroclor 1242	--		--		0.0078	0.0078	NA
PCB Aroclor 1254	34		0.06		0.0257	0.014	0.43
PCB Aroclor 1260	24		0.005		0.0196	0.0126	3.9
Metals							
Aluminum	--		25500	2.55%(c)	6540	5780	0.26
Antimony	--		3	(c)	4.1	4.1	1.4
Arsenic	33		6		71.6	52.7	12
Barium	--		--		52	41.2	NA
Cadmium	10		0.6		2.1	2.1	3.5
Calcium	--		--		50900	47000	NA
Chromium	110		26		14.3	12.6	0.55
Cobalt			50	(a)	12.7	10.7	0.25
Copper	110		16		46	32.8	2.9
Iron	--		--		59700	42800	NA
Lead	250		31		63.7	33.5	2.1
Magnesium	--		--		7080	5760	NA
Manganese	1100	(c)	630	(c)	334	276	0.53
Mercury	2		0.2		0.091	0.0592	0.46
Nickel	75		16		17.9	16.4	1.1
Potassium	--		--		1250	830	NA
Sodium	--		--		1770	1350	NA
Vanadium	--		--		108	93	NA
Zinc	820		120		355	169	3.0

Notes:
Results are reported in milligrams per kilogram (mg/kg)
VOCs were analyzed from 0.5-1' depth. All other analytes were analyzed from 0-0.5' depth
VOCs = Volatile organic compounds.
SVOCs = Semi-volatile organic compounds.
PCBs = Polychlorinated biphenyls.
NJDEP = New Jersey Department of Environmental Protection
LEL = Lowest Effects Level
SEL = Severe Effects Level
NA = Not applicable
-- = Value not available
(a) = USEPA Region 5 RCRA Ecological Screening Levels (ESLs)
(b) = Screening values were developed for the protection of marine receptors; however they are considered surrogates for fresh water
(c) = Sediment value from the National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables (SQuiRTs)

Table 3
Field Measurement Results
Peter's Mine Pit Pond Sediment Sampling
Ringwood Mine/Landfill Site
Ringwood New Jersey

Parameter	PMP-SED-1	PMP-SED-2	PMP-SED-3	PMP-SED-4	PMP-SED-5	PMP-SED-6
pH	5.78	6.31	6.28	6.55	5.77	4.41
Depth to Bottom (ft)	5.50	4.33	5.20	3.17	4.83	7.80
Recovery (in)	12/12	10/12	12/12	12/12	12/12	12/12
PID Readings (ppm)	0/0/0/0/0	0/0/0/0	0/0/0/0/0	0/0/0/0/0	0/0/0/0/0	0/0/0/0/0

Note: All field measurements conducted during filed sampling activities on May 12, 2011.

Abbreviations:

ft = feet

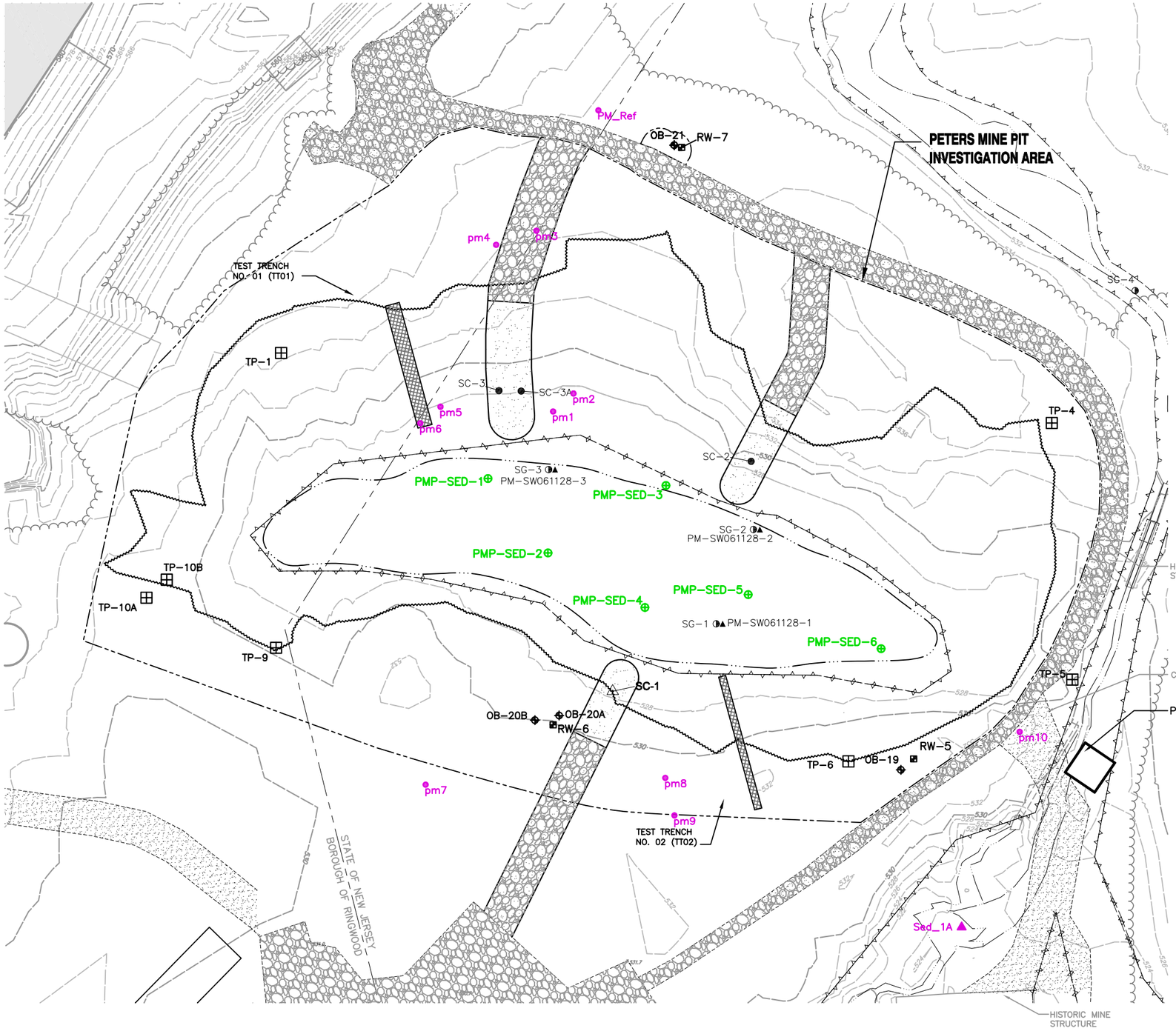
ppm = parts per million

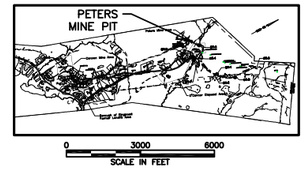
in = inches

Notes:

PID readings shown in table were taken at 2-inch intervals along the sediment core

Only 4 PID readings were taken at PMP-SED-2 due to recovery of the sediment core





LEGEND:

- EXISTING CONTOUR
- ESTIMATED EXTENT OF HISTORIC FILL
- EXISTING SPOT ELEVATION
- LIMITS OF PETERS MINE PIT INVESTIGATION AREA
- LIMIT OF SURFACE WATER
- OVERHEAD UTILITY LINES
- PROPERTY BOUNDARY
- TREE LINE
- WETLAND BOUNDARY BY TRIDENT
- EXISTING DIRT TRAIL/ROAD
- STABILIZED ACCESS ROAD
- TEST TRENCH LOCATION
- PMP-SED-1 — 2011 SEDIMENT SAMPLING LOCATIONS
- PM-SW061128-1 — HISTORICAL SURFACE WATER SAMPLE LOCATION
- pm8 — EPA SOIL SAMPLE
- Sed_1A — EPA SEDIMENT SAMPLE
- SC-2 — SOIL BORING
- OB-19 — OVERBURDEN MONITORING WELL
- SG-1 — STAFF GAUGE
- RW-5 — BEDROCK MONITORING WELL
- TP-6 — INVESTIGATION TEST PIT
- SC-1 — DIRECTIONAL MONITORING WELL
- 601 — BLOCK
- 12 — LOT
- DRILLING PAD

NOTES:

1. WETLAND BOUNDARY ESTABLISHED BY TRIDENT ENVIRONMENTAL CONSULTANTS (2005).
2. EXTENT OF HISTORIC FILL ESTIMATED FROM 1961 AND 1974 COMPARISON FIGURE.
3. 2011 SEDIMENT SAMPLE LOCATIONS WERE SURVEYED IN THE FIELD USING A TRIMBLE GEOXT HANDHELD GPS UNIT, NJ STATE PLANE, NAD83 COORDINATES.

0 30' 60'
GRAPHIC SCALE

PETERS MINE PIT AREA ECOLOGICAL EVALUATION REPORT
RINGWOOD MINES/LANDFILL SITE
RINGWOOD, NEW JERSEY

PETERS MINE POND SAMPLE LOCATIONS

ARCADIS

FIGURE 1

R2-0003687

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=REF*
G:\ENVCAD\Newbwm\ACTIVE\30060340\8i0001\4PIG 1- PMP SAMP LOCATIONS.dwg LAYOUT: 5 SAVED: 12/19/2011 4:16 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: ---
XREFS: IMAGES: PROJECTNAME: ---
BASEMAP A$C311258D7.dib
NGVD29 GREENWOOD-NJ.TIF
BASEMAP-KEY

ARCADIS

Attachment 1

New Jersey ACCUTEST LABORATORIES

07/08/11

Technical Report for

Arcadis

Ringwood, NJ

NJ000604.0035.00016

Accutest Job Number: JA75771

Sampling Date: 05/12/11

Report to:

Arcadis Geraghty & Miller

Matt.Gress@arcadis-us.com

ATTN: Matt Gress

Total number of pages in report: **92**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marie Meidhof 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Accutest LabLink@623861 15:58 08-Jul-2011

Sample Summary

Arcadis

Job No: JA75771

Ringwood, NJ
Project No: NJ000604.0035.00016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA75771-1	05/12/11	09:15	GMM	05/13/11	AQ	Field Blank Soil	FB051211
JA75771-2	05/12/11	11:25	GMM	05/13/11	SO	Sediment	PMP-SED-6(0.0-0.5)
JA75771-3	05/12/11	11:05	GMM	05/13/11	SO	Soil	PMP-SED-6(0.5-1.0)
JA75771-4	05/12/11	11:45	GMM	05/13/11	SO	Soil	PMP-SED-4(0.5-1.0)
JA75771-5	05/12/11	12:00	GMM	05/13/11	SO	Sediment	PMP-SED-4(0.0-0.5)
JA75771-6	05/12/11	12:25	GMM	05/13/11	SO	Soil	PMP-SED-3(0.5-1.0)
JA75771-6D	05/12/11	12:25	GMM	05/13/11	SO	Soil Dup/MSD	PMP-SED-3(0.5-1.0)
JA75771-6S	05/12/11	12:25	GMM	05/13/11	SO	Soil Matrix Spike	PMP-SED-3(0.5-1.0)
JA75771-7	05/12/11	12:30	GMM	05/13/11	SO	Sediment	PMP-SED-3(0.0-0.5)
JA75771-7D	05/12/11	12:30	GMM	05/13/11	SO	Soil Dup/MSD	PMP-SED-3(0.0-0.5)
JA75771-7S	05/12/11	12:30	GMM	05/13/11	SO	Soil Matrix Spike	PMP-SED-3(0.0-0.5)
JA75771-8	05/12/11	14:50	GMM	05/13/11	SO	Soil	PMP-SED-2(0.5-1.0)
JA75771-9	05/12/11	15:00	GMM	05/13/11	SO	Sediment	PMP-SED-2(0.0-0.5)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Arcadis

Job No: JA75771

Ringwood, NJ
Project No: NJ000604.0035.00016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA75771-10	05/12/11	15:35	GMM	05/13/11	SO	Soil	PMP-SED-1(0.5-1.0)
JA75771-11	05/12/11	15:45	GMM	05/13/11	SO	Sediment	PMP-SED-1(0.0-0.5)
JA75771-12	05/12/11	16:10	GMM	05/13/11	SO	Soil	PMP-SED-5(0.5-1.0)
JA75771-13	05/12/11	16:20	GMM	05/13/11	SO	Sediment	PMP-SED-5(0.0-0.5)
JA75771-14	05/12/11	00:00	GMM	05/13/11	SO	Soil	BD051211
JA75771-15	05/12/11	16:20	GMM	05/13/11	AQ	Trip Blank Soil	TRIP BLANK 051211

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Arcadis **Job No** JA75771

Site: Ringwood, NJ **Report Date** 6/15/2011 11:07:53 A

On 05/13/2011, 13 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA75771 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V2C3770

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA75936-8MS, JA75936-8MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VY4790

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA75771-6MS, JA75771-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Freon 113, Methyl Acetate are outside control limits for sample JA75771-6MSD. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VY4791

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75880-1MS, JA75880-2ADUP were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP49725

- All samples were extracted within the recommended method holding time.
- Sample(s) JA75712-5MS, JA75712-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP49823

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP49725A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75712-5MS, JA75712-5MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP49823A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD were used as the QC samples indicated.
- JA75771-14 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8082

Matrix: AQ **Batch ID:** OP49690

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP49739

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD, OP49739-MS2MSD were used as the QC samples indicated.
- RPD(s) for MSD for Aroclor 1254 are outside control limits for sample OP49739-MSD2. Outside control limits due to matrix interference.
- JA75771-5 for Tetrachloro-m-xylene: Outside of in house control limits, refer to re-extract.

Matrix: SO **Batch ID:** OP50078

- All method blanks for this batch meet method specific criteria.
- Sample(s) JA77288-5MS, JA77288-5MSD, OP50078-MSMSD were used as the QC samples indicated.
- The following samples were extracted outside of holding time for method SW846 8082: JA75771-5 Re-extracted for low surrogate recovery. Originally prep date was within holding time.
- JA75771-5: Re-extracted for low surrogate recovery. Originally prep date was within holding time.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP58281

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** MP58460

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD, JA75771-7SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Copper, Magnesium, Sodium, Vanadium, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Magnesium, Zinc, Sodium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Sodium are outside control limits for sample MP58460-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cobalt, Copper, Lead, Nickel, Potassium, Sodium are outside control limits for sample MP58460-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JA75771-2 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- RPD(s) for Serial Dilution for Aluminum, Barium, Calcium, Iron, Magnesium, Manganese, Vanadium, Zinc are outside control limits for sample MP58460-SD1. Serial dilution indicates possible matrix interference. Results confirmed with analysis of second dilution.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP58460

- JA75771-2 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP58460

- JA75771-5 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP58460

- JA75771-11 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP58460

- JA75771-13 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).Serial dilution indicates possible matrix interference. Results confirmed with analysis of second dilution.
- JA75771-14 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Calcium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-2 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-11 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

- JA75771-11 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Magnesium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Iron: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Potassium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Sodium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-13 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Barium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-5 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-9 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Beryllium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-14 for Aluminum: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010B

Matrix: SO	Batch ID: MP58460

- JA75771-13 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JA75771-7 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6020A

Matrix: AQ	Batch ID: MP58281A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO	Batch ID: MP58460A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD, JA75771-7SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic are outside control limits for sample MP58460A-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP58447

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 7471A

Matrix: SO	Batch ID: MP58484

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7MS, JA75771-7MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM D422-63

Matrix: SO	Batch ID: GP58796

- Sample(s) JA75771-7DUP were used as the QC samples for % Sand, % Silt, Clay, Colloids, 0.0015 mm (Hydrometer), 0.005 mm (Hydrometer), 0.030 mm (Hydrometer), 0.375 Inch Sieve, 0.75 inch sieve, 1.5 Inch Sieve, 3 inch sieve, No.10 Sieve (2.00 mm), No.100 Sieve (0.15 mm), No.16 Sieve (1.18 mm), No.200 Sieve (0.075 mm), No.30 Sieve (0.60 mm), No.4 Sieve (4.75 mm), No.50 Sieve (0.30 mm), No.8 Sieve (2.36 mm), % Gravel.
- RPD(s) for Duplicate for % Gravel are outside control limits for sample GP58796-D1. High RPD due to possible sample nonhomogeneity.

Wet Chemistry By Method LLOYD KAHN 1988

Matrix: SO	Batch ID: GP58875

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA75771-7DUP, JA75771-7MS were used as the QC samples for Total Organic Carbon.
- JA75771-13 for Total Organic Carbon: Multiple injections indicate possible sample non-homogeneity.
- JA75771-9 for Total Organic Carbon: Multiple injections indicate possible sample non-homogeneity.
- JA75771-5 for Total Organic Carbon: Multiple injections indicate possible sample non-homogeneity.

Wet Chemistry By Method SM18 2540G

Matrix:	SO	Batch ID:	GN51454

- The data for SM18 2540G meets quality control requirements.

Matrix:	SO	Batch ID:	GN51461

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C82607.D	1	05/19/11	DR	n/a	n/a	V2C3770
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.4	ug/l	
71-43-2	Benzene	ND	1.0	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.18	ug/l	
75-25-2	Bromoform	ND	4.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.35	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.15	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.34	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.43	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.15	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.22	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.16	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.23	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.31	ug/l	
76-13-1	Freon 113	ND	5.0	0.66	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.9	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	1.3	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.74	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.48	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.12	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.24	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.16	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.13	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		77-120%
17060-07-0	1,2-Dichloroethane-D4	108%		70-127%
2037-26-5	Toluene-D8	111%		79-120%
460-00-4	4-Bromofluorobenzene	108%		76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P5930.D	1	05/27/11	OPM	05/16/11	OP49725	E2P310
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.4	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	0.79	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.55	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	ug/l	
	3&4-Methylphenol	ND	2.2	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.89	ug/l	
108-95-2	Phenol	ND	2.2	0.62	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.3	ug/l	
98-86-2	Acetophenone	ND	2.2	0.43	ug/l	
1912-24-9	Atrazine	ND	5.4	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.4	0.43	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.27	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.45	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.45	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.27	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	ug/l	
105-60-2	Caprolactam	ND	2.2	0.21	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.33	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.24	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.35	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.32	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.33	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.21	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	2.2	0.42	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.18	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.14	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.26	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.22	ug/l	
78-59-1	Isophorone	ND	2.2	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.71	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.31	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.19	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.27	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-83%
4165-62-2	Phenol-d5	23%		10-74%
118-79-6	2,4,6-Tribromophenol	91%		24-148%
4165-60-0	Nitrobenzene-d5	104%		38-129%
321-60-8	2-Fluorobiphenyl	106%		42-117%
1718-51-0	Terphenyl-d14	87%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	3.04	4.3	ug/l	J
	Internal standard added for SIM test	7.83	4.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M24950.D	1	05/19/11	OPM	05/16/11	OP49725A	E3M1110
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.32	0.31	ug/l	
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.017	ug/l	
120-12-7	Anthracene	ND	0.11	0.011	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.11	0.016	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.0053	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.11	0.018	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.011	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.013	ug/l	
218-01-9	Chrysene	ND	0.11	0.025	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.024	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.010	ug/l	
86-73-7	Fluorene	ND	0.11	0.016	ug/l	
118-74-1	Hexachlorobenzene	ND	0.022	0.0086	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.011	ug/l	
91-20-3	Naphthalene	ND	0.11	0.017	ug/l	
85-01-8	Phenanthrene	ND	0.11	0.017	ug/l	
129-00-0	Pyrene	ND	0.11	0.0087	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-100%
4165-62-2	Phenol-d5	26%		10-100%
118-79-6	2,4,6-Tribromophenol	108%		18-160%
4165-60-0	Nitrobenzene-d5	99%		32-135%
321-60-8	2-Fluorobiphenyl	69%		31-121%
1718-51-0	Terphenyl-d14	74%		10-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB051211		
Lab Sample ID:	JA75771-1	**Date Sampled:**	05/12/11
Matrix:	AQ - Field Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G54882.D	1	05/20/11	AZ	05/19/11	OP49690	G2G2068
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.050	0.013	ug/l	
11104-28-2	Aroclor 1221	ND	0.050	0.027	ug/l	
11141-16-5	Aroclor 1232	ND	0.050	0.039	ug/l	
53469-21-9	Aroclor 1242	ND	0.050	0.0086	ug/l	
12672-29-6	Aroclor 1248	ND	0.050	0.015	ug/l	
11097-69-1	Aroclor 1254	ND	0.050	0.014	ug/l	
11096-82-5	Aroclor 1260	ND	0.050	0.021	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		27-144%
877-09-8	Tetrachloro-m-xylene	87%		27-144%
2051-24-3	Decachlorobiphenyl	62%		10-139%
2051-24-3	Decachlorobiphenyl	64%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB051211
Lab Sample ID: JA75771-1
Matrix: AQ - Field Blank Soil
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7.2 U	200	7.2	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Antimony	1.3 U	6.0	1.3	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Arsenic	0.13 B	1.0	0.093	ug/l	2	05/19/11	05/20/11	RP	SW846 6020A [2]	SW846 3010A [5]
Barium	0.50 B	200	0.44	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Beryllium	0.24 U	1.0	0.24	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Cadmium	0.17 U	3.0	0.17	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Calcium	19.0 B	5000	9.0	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Chromium	0.90 B	10	0.90	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Cobalt	0.30 U	50	0.30	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Copper	1.3 B	10	0.85	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Iron	25.4 B	100	7.7	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Lead	0.94 U	3.0	0.94	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Magnesium	22.4 B	5000	17	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Manganese	0.60 B	15	0.18	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Mercury	0.10 B	0.20	0.088	ug/l	1	05/27/11	05/31/11	JW	SW846 7470A [3]	SW846 7470A [6]
Nickel	0.41 U	10	0.41	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Potassium	16 U	10000	16	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Selenium	1.5 U	10	1.5	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Silver	0.72 U	10	0.72	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Sodium	14 U	10000	14	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Thallium	0.17 U	2.0	0.17	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Vanadium	0.43 U	50	0.43	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]
Zinc	4.7 B	20	1.7	ug/l	1	05/19/11	05/20/11	VC	SW846 6010B [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA26401
(2) Instrument QC Batch: MA26409
(3) Instrument QC Batch: MA26448
(4) Prep QC Batch: MP58281
(5) Prep QC Batch: MP58281A
(6) Prep QC Batch: MP58447

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	47.8
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80420.D	1	05/27/11	LP	05/20/11	OP49823	EM3168
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.30	0.060	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.30	0.060	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.30	0.096	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.30	0.10	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.2	0.073	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.2	0.073	mg/kg	
95-48-7	2-Methylphenol	ND	0.12	0.068	mg/kg	
	3&4-Methylphenol	ND	0.12	0.076	mg/kg	
88-75-5	2-Nitrophenol	ND	0.30	0.063	mg/kg	
100-02-7	4-Nitrophenol	ND	0.60	0.10	mg/kg	
108-95-2	Phenol	ND	0.12	0.063	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.30	0.069	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.30	0.056	mg/kg	
98-86-2	Acetophenone	ND	0.30	0.010	mg/kg	
1912-24-9	Atrazine	ND	0.30	0.012	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.12	0.022	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.12	0.035	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.12	0.0069	mg/kg	
100-52-7	Benzaldehyde	ND	0.30	0.014	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.12	0.018	mg/kg	
106-47-8	4-Chloroaniline	ND	0.30	0.019	mg/kg	
86-74-8	Carbazole	ND	0.12	0.028	mg/kg	
105-60-2	Caprolactam	ND	0.12	0.019	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.12	0.024	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.12	0.018	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.12	0.018	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.12	0.018	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.12	0.026	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.12	0.023	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.30	0.015	mg/kg	
132-64-9	Dibenzofuran	ND	0.12	0.018	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.12	0.013	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	47.8
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.12	0.029	mg/kg	
84-66-2	Diethyl phthalate	ND	0.12	0.020	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.12	0.021	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.12	0.053	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.060	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.2	0.061	mg/kg	
67-72-1	Hexachloroethane	ND	0.30	0.017	mg/kg	
78-59-1	Isophorone	ND	0.12	0.016	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.12	0.033	mg/kg	
88-74-4	2-Nitroaniline	ND	0.30	0.026	mg/kg	
99-09-2	3-Nitroaniline	ND	0.30	0.024	mg/kg	
100-01-6	4-Nitroaniline	ND	0.30	0.023	mg/kg	
98-95-3	Nitrobenzene	ND	0.12	0.017	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.12	0.015	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.30	0.036	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		21-116%
4165-62-2	Phenol-d5	57%		19-117%
118-79-6	2,4,6-Tribromophenol	88%		24-136%
4165-60-0	Nitrobenzene-d5	74%		21-122%
321-60-8	2-Fluorobiphenyl	77%		30-117%
1718-51-0	Terphenyl-d14	69%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.04	25	mg/kg	J
	system artifact/aldol-condensation	3.47	3.2	mg/kg	J
599-64-4	Phenol, 4-(1-methyl-1-phenylethyl)-	14.57	1.3	mg/kg	JN
57-10-3	Hexadecanoic acid	15.36	2.4	mg/kg	JN
	alkane	18.30	1.3	mg/kg	J
	unknown	19.10	9.2	mg/kg	J
	unknown	19.20	4.9	mg/kg	J
	alkane	19.85	3.7	mg/kg	J
	alkane	20.68	2.5	mg/kg	J
59-02-9	Vitamin E	21.06	8	mg/kg	JN
	unknown	21.46	2	mg/kg	J
	unknown	21.54	2.4	mg/kg	J
	unknown	21.61	9.2	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	47.8
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.78	6.3	mg/kg	J
	unknown	21.98	2.1	mg/kg	J
	unknown	22.07	2.7	mg/kg	J
	unknown	22.16	1.5	mg/kg	J
	unknown	22.25	3.7	mg/kg	J
	unknown	22.31	9	mg/kg	J
	unknown	22.40	17	mg/kg	J
	unknown	22.49	21	mg/kg	J
	unknown	22.58	20	mg/kg	J
	unknown	22.78	34	mg/kg	J
	unknown	22.94	23	mg/kg	J
	unknown	23.10	30	mg/kg	J
	unknown	23.27	2.8	mg/kg	J
	unknown	23.39	5.6	mg/kg	J
	Total TIC, Semi-Volatile		225.6	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	47.8
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25133.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.030	0.019	mg/kg	
83-32-9	Acenaphthene	ND	0.0060	0.00083	mg/kg	
208-96-8	Acenaphthylene	ND	0.0060	0.00072	mg/kg	
120-12-7	Anthracene	ND	0.0060	0.00071	mg/kg	
56-55-3	Benzo(a)anthracene	0.00952	0.0060	0.0020	mg/kg	
50-32-8	Benzo(a)pyrene	0.00858	0.0060	0.0010	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0271	0.0060	0.00094	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0632	0.0060	0.00089	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0060	0.00096	mg/kg	
218-01-9	Chrysene	0.00833	0.0060	0.0010	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0060	0.0014	mg/kg	
206-44-0	Fluoranthene	0.0134	0.0060	0.00060	mg/kg	
86-73-7	Fluorene	ND	0.0060	0.00058	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0060	0.00060	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0136	0.0060	0.0010	mg/kg	
91-20-3	Naphthalene	ND	0.0060	0.00067	mg/kg	
85-01-8	Phenanthrene	0.00799	0.0060	0.00070	mg/kg	
129-00-0	Pyrene	0.0118	0.0060	0.00054	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		21-124%
4165-62-2	Phenol-d5	71%		19-119%
118-79-6	2,4,6-Tribromophenol	113%		20-136%
4165-60-0	Nitrobenzene-d5	76%		18-123%
321-60-8	2-Fluorobiphenyl	84%		24-113%
1718-51-0	Terphenyl-d14	80%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	47.8
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107515.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0062	0.0016	mg/kg	
11104-28-2	Aroclor 1221	ND	0.0062	0.0037	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0062	0.0031	mg/kg	
53469-21-9	Aroclor 1242	0.0078	0.0062	0.0020	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0062	0.0019	mg/kg	
11097-69-1	Aroclor 1254	0.0093	0.0062	0.0029	mg/kg	
11096-82-5	Aroclor 1260	0.0084	0.0062	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	40%		22-141%
877-09-8	Tetrachloro-m-xylene	48%		22-141%
2051-24-3	Decachlorobiphenyl	40%		18-163%
2051-24-3	Decachlorobiphenyl	41%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-6(0.0-0.5)
Lab Sample ID: JA75771-2
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 47.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6540	410	44	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	4.3 U	41	4.3	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	71.6	0.52	0.061	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	45.8 B	410	0.55	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.20 U	4.1	0.20	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	1.4 U	10	1.4	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	50400	10000	100	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	12.4 B	20	2.4	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	10.2 B	100	1.6	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	46.0 B	51	2.3	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	36300	200	48	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	27.1 B	41	7.4	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	6290 B	10000	27	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	297	30	0.79	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.081	0.066	0.028	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	16.7 B	81	3.0	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	836 B	20000	64	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	8.8 U	41	8.8	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.83 U	10	0.83	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1150 B	20000	510	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	18 U	20	18	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	91.5 B	100	1.8	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	165	41	3.5	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-6(0.0-0.5)		
Lab Sample ID:	JA75771-2	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	47.8
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	98.8		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	97.8		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	96.0		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	94.3		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	93.6		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	91.4		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	88.8		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	77.7		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	50.9		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	30.4		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	8.0		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	4.0		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	0.91		%	1	06/02/11	SH	ASTM D422-63
% Gravel	4.0		%	1	06/02/11	SH	ASTM D422-63
% Sand	65.6		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	30.4		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	47.8		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon	24200	210	mg/kg	1	05/25/11 13:37	SJG	LLOYD KAHN 1988

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PMP-SED-6(0.5-1.0)		
Lab Sample ID:	JA75771-3	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	50.3
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111945.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.016	0.0036	mg/kg	
71-43-2	Benzene	ND	0.0016	0.00055	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0080	0.00041	mg/kg	
75-25-2	Bromoform	ND	0.0080	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0080	0.00065	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.016	0.0032	mg/kg	
75-15-0	Carbon disulfide	ND	0.0080	0.00049	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0080	0.00089	mg/kg	
108-90-7	Chlorobenzene	ND	0.0080	0.00054	mg/kg	
75-00-3	Chloroethane	ND	0.0080	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0080	0.00051	mg/kg	
74-87-3	Chloromethane	ND	0.0080	0.00026	mg/kg	
110-82-7	Cyclohexane	ND	0.0080	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.016	0.00087	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0080	0.00018	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0016	0.00022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0080	0.00043	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0080	0.00044	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0080	0.00054	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0080	0.0015	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0080	0.00022	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0016	0.00055	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0080	0.0011	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0080	0.00038	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0080	0.00072	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0080	0.00021	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0080	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0080	0.00015	mg/kg	
100-41-4	Ethylbenzene	ND	0.0016	0.00059	mg/kg	
76-13-1	Freon 113	ND	0.0080	0.00090	mg/kg	
591-78-6	2-Hexanone	ND	0.0080	0.0015	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0080	0.00083	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-6(0.5-1.0)		
Lab Sample ID:	JA75771-3	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	50.3
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.0080	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0080	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0016	0.00045	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0080	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0080	0.00036	mg/kg	
100-42-5	Styrene	ND	0.0080	0.00017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0080	0.00047	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0080	0.00023	mg/kg	
108-88-3	Toluene	ND	0.0016	0.00047	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0080	0.00055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0080	0.00021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0080	0.00030	mg/kg	
79-01-6	Trichloroethene	ND	0.0080	0.00084	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0080	0.00037	mg/kg	
75-01-4	Vinyl chloride	ND	0.0080	0.00029	mg/kg	
1330-20-7	Xylene (total)	ND	0.0032	0.00075	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-131%
17060-07-0	1,2-Dichloroethane-D4	93%		66-130%
2037-26-5	Toluene-D8	111%		76-125%
460-00-4	4-Bromofluorobenzene	101%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.5-1.0)		
Lab Sample ID:	JA75771-4	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111946.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.0097	0.0022	mg/kg	
71-43-2	Benzene	ND	0.00097	0.00033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0048	0.00025	mg/kg	
75-25-2	Bromoform	ND	0.0048	0.00015	mg/kg	
74-83-9	Bromomethane	ND	0.0048	0.00039	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0097	0.0019	mg/kg	
75-15-0	Carbon disulfide	ND	0.0048	0.00029	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0048	0.00054	mg/kg	
108-90-7	Chlorobenzene	ND	0.0048	0.00033	mg/kg	
75-00-3	Chloroethane	ND	0.0048	0.00097	mg/kg	
67-66-3	Chloroform	ND	0.0048	0.00031	mg/kg	
74-87-3	Chloromethane	ND	0.0048	0.00016	mg/kg	
110-82-7	Cyclohexane	ND	0.0048	0.00015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0097	0.00052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0048	0.00011	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00097	0.00013	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0048	0.00026	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0048	0.00027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0048	0.00033	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0048	0.00091	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0048	0.00013	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00097	0.00033	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0048	0.00064	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0048	0.00023	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0048	0.00043	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0048	0.00013	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0048	0.00013	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0048	0.000093	mg/kg	
100-41-4	Ethylbenzene	ND	0.00097	0.00036	mg/kg	
76-13-1	Freon 113	ND	0.0048	0.00054	mg/kg	
591-78-6	2-Hexanone	ND	0.0048	0.00093	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0048	0.00050	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.5-1.0)		
Lab Sample ID:	JA75771-4	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.2
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.0048	0.00080	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0048	0.00063	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00097	0.00027	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0048	0.00078	mg/kg	
75-09-2	Methylene chloride	ND	0.0048	0.00022	mg/kg	
100-42-5	Styrene	ND	0.0048	0.00010	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0048	0.00028	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0048	0.00014	mg/kg	
108-88-3	Toluene	ND	0.00097	0.00028	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0048	0.00033	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0048	0.00012	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0048	0.00018	mg/kg	
79-01-6	Trichloroethene	ND	0.0048	0.00051	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0048	0.00022	mg/kg	
75-01-4	Vinyl chloride	ND	0.0048	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.0019	0.00045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-131%
17060-07-0	1,2-Dichloroethane-D4	92%		66-130%
2037-26-5	Toluene-D8	112%		76-125%
460-00-4	4-Bromofluorobenzene	104%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.1
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80421.D	1	05/27/11	LP	05/20/11	OP49823	EM3168
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.18	0.037	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.037	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.74	0.045	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.74	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.074	0.042	mg/kg	
	3&4-Methylphenol	ND	0.074	0.047	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.062	mg/kg	
108-95-2	Phenol	ND	0.074	0.039	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.043	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.035	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0065	mg/kg	
1912-24-9	Atrazine	ND	0.18	0.0073	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.074	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.074	0.0043	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0085	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.074	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.074	0.017	mg/kg	
105-60-2	Caprolactam	ND	0.074	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.074	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.074	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.074	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.074	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.074	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.074	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.18	0.0094	mg/kg	
132-64-9	Dibenzofuran	ND	0.074	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0082	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.1
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.074	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.013	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.074	0.033	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.74	0.038	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
78-59-1	Isophorone	ND	0.074	0.0099	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.074	0.021	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
98-95-3	Nitrobenzene	ND	0.074	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.0090	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		21-116%
4165-62-2	Phenol-d5	56%		19-117%
118-79-6	2,4,6-Tribromophenol	91%		24-136%
4165-60-0	Nitrobenzene-d5	77%		21-122%
321-60-8	2-Fluorobiphenyl	79%		30-117%
1718-51-0	Terphenyl-d14	74%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.62	.47	mg/kg	J
	system artifact	3.05	17	mg/kg	J
	system artifact	3.38	.25	mg/kg	J
	system artifact/aldol-condensation	3.47	2	mg/kg	J
57-10-3	Hexadecanoic acid	15.35	.6	mg/kg	JN
	unknown	16.53	.29	mg/kg	J
57-11-4	Octadecanoic acid	16.66	.24	mg/kg	JN
	unknown	17.60	.39	mg/kg	J
	unknown	17.90	2.3	mg/kg	J
	unknown	18.29	.84	mg/kg	J
	unknown	18.34	.35	mg/kg	J
	unknown	18.72	.26	mg/kg	J
	unknown	19.12	.3	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.1
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	19.39	.48	mg/kg	J
	unknown	20.13	.37	mg/kg	J
	unknown	20.55	.54	mg/kg	J
	unknown	20.67	.28	mg/kg	J
	unknown	21.01	1.1	mg/kg	J
	unknown	21.24	.37	mg/kg	J
	unknown	21.53	.43	mg/kg	J
	unknown	21.97	.29	mg/kg	J
	unknown	22.12	.27	mg/kg	J
	unknown	22.33	.83	mg/kg	J
	unknown	22.42	.34	mg/kg	J
	unknown	22.73	.31	mg/kg	J
	unknown	23.06	.37	mg/kg	J
	unknown	23.36	.31	mg/kg	J
	Total TIC, Semi-Volatile		11.86	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	77.1
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25126.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.018	0.012	mg/kg	
83-32-9	Acenaphthene	ND	0.0037	0.00052	mg/kg	
208-96-8	Acenaphthylene	ND	0.0037	0.00044	mg/kg	
120-12-7	Anthracene	ND	0.0037	0.00044	mg/kg	
56-55-3	Benzo(a)anthracene	0.00453	0.0037	0.0012	mg/kg	
50-32-8	Benzo(a)pyrene	0.00426	0.0037	0.00064	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0108	0.0037	0.00058	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.0037	0.00055	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0037	0.00059	mg/kg	
218-01-9	Chrysene	0.00364	0.0037	0.00064	mg/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.0037	0.00088	mg/kg	
206-44-0	Fluoranthene	0.00737	0.0037	0.00037	mg/kg	
86-73-7	Fluorene	ND	0.0037	0.00036	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0037	0.00037	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0037	0.00062	mg/kg	
91-20-3	Naphthalene	ND	0.0037	0.00042	mg/kg	
85-01-8	Phenanthrene	0.00448	0.0037	0.00043	mg/kg	
129-00-0	Pyrene	0.00895	0.0037	0.00033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	85%		21-124%
4165-62-2	Phenol-d5	89%		19-119%
118-79-6	2,4,6-Tribromophenol	121%		20-136%
4165-60-0	Nitrobenzene-d5	92%		18-123%
321-60-8	2-Fluorobiphenyl	82%		24-113%
1718-51-0	Terphenyl-d14	94%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	77.1
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2G55276.D	1	06/03/11	AZ	06/03/11	OP50078	G2G2078
Run #2	XX107516.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060

	Initial Weight	Final Volume
Run #1	15.0 g	1.0 ml
Run #2	17.0 g	1.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0043	0.0011	mg/kg	
11104-28-2	Aroclor 1221	ND	0.0043	0.0026	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0043	0.0022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.0043	0.0014	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0043	0.0013	mg/kg	
11097-69-1	Aroclor 1254	ND	0.0043	0.0020	mg/kg	
11096-82-5	Aroclor 1260	ND	0.0043	0.0014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%	19% [b]	22-141%
877-09-8	Tetrachloro-m-xylene	75%	20% [b]	22-141%
2051-24-3	Decachlorobiphenyl	63%	20%	18-163%
2051-24-3	Decachlorobiphenyl	93%	21%	18-163%

(a) Re-extracted for low surrogate recovery. Originally prep date was within holding time.
(b) Outside of in house control limits, refer to re-extract.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-4(0.0-0.5)
Lab Sample ID: JA75771-5
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 77.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	5270	270	29	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	2.8 U	27	2.8	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	49.4	0.33	0.039	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	28.2 B	270	0.36	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.13 U	2.7	0.13	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	0.95 U	6.7	0.95	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	43600	6700	66	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	11.8 B	13	1.6	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	11.2 B	67	1.1	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	21.7 B	33	1.5	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	59700	130	31	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	11.8 B	27	4.9	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	5170 B	6700	18	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	245	20	0.52	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.017 U	0.040	0.017	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	16.2 B	53	2.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	1140 B	13000	42	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	5.8 U	27	5.8	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.55 U	6.7	0.55	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1200 B	13000	340	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	12 U	13	12	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	108	67	1.2	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	47.5	27	2.3	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-4(0.0-0.5)		
Lab Sample ID:	JA75771-5	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	77.1
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	91.0		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	88.9		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	88.6		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	81.0		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	76.0		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	53.1		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	34.8		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	20.9		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	9.4		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	4.3		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	3.2		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	1.9		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	1.0		%	1	06/02/11	SH	ASTM D422-63
% Gravel	11.4		%	1	06/02/11	SH	ASTM D422-63
% Sand	84.2		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	4.3		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	77.1		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon [a]	1740	130	mg/kg	1	05/25/11 16:25	SJG	LLOYD KAHN 1988

(a) Multiple injections indicate possible sample non-homogeneity.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PMP-SED-3(0.5-1.0)		
Lab Sample ID:	JA75771-6	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	48.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111944.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.015	0.0035	mg/kg	
71-43-2	Benzene	ND	0.0015	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0077	0.00040	mg/kg	
75-25-2	Bromoform	ND	0.0077	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0077	0.00063	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.015	0.0031	mg/kg	
75-15-0	Carbon disulfide	ND	0.0077	0.00047	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0077	0.00086	mg/kg	
108-90-7	Chlorobenzene	ND	0.0077	0.00052	mg/kg	
75-00-3	Chloroethane	ND	0.0077	0.0015	mg/kg	
67-66-3	Chloroform	ND	0.0077	0.00049	mg/kg	
74-87-3	Chloromethane	ND	0.0077	0.00026	mg/kg	
110-82-7	Cyclohexane	ND	0.0077	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.00084	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0077	0.00017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0015	0.00021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0077	0.00042	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0077	0.00043	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0077	0.00052	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0077	0.0015	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0077	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0015	0.00053	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0077	0.0010	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0077	0.00037	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0077	0.00070	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0077	0.00020	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0077	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0077	0.00015	mg/kg	
100-41-4	Ethylbenzene	ND	0.0015	0.00057	mg/kg	
76-13-1	Freon 113	ND	0.0077	0.00087	mg/kg	
591-78-6	2-Hexanone	ND	0.0077	0.0015	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0077	0.00080	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.5-1.0)		
Lab Sample ID:	JA75771-6	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	48.2
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.0077	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0077	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00044	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0077	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0077	0.00035	mg/kg	
100-42-5	Styrene	ND	0.0077	0.00017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0077	0.00045	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0077	0.00022	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00045	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0077	0.00053	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0077	0.00020	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0077	0.00029	mg/kg	
79-01-6	Trichloroethene	ND	0.0077	0.00081	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0077	0.00035	mg/kg	
75-01-4	Vinyl chloride	ND	0.0077	0.00028	mg/kg	
1330-20-7	Xylene (total)	ND	0.0031	0.00073	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		67-131%
17060-07-0	1,2-Dichloroethane-D4	90%		66-130%
2037-26-5	Toluene-D8	109%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	62.5
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80398.D	1	05/26/11	OYA	05/20/11	OP49823	EM3167
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.23	0.046	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.23	0.046	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.23	0.073	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.23	0.077	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.91	0.056	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.91	0.056	mg/kg	
95-48-7	2-Methylphenol	ND	0.091	0.052	mg/kg	
	3&4-Methylphenol	ND	0.091	0.058	mg/kg	
88-75-5	2-Nitrophenol	ND	0.23	0.048	mg/kg	
100-02-7	4-Nitrophenol	ND	0.46	0.077	mg/kg	
108-95-2	Phenol	ND	0.091	0.048	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.23	0.053	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.23	0.043	mg/kg	
98-86-2	Acetophenone	ND	0.23	0.0080	mg/kg	
1912-24-9	Atrazine	ND	0.23	0.0090	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.091	0.017	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.091	0.026	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.091	0.0053	mg/kg	
100-52-7	Benzaldehyde	ND	0.23	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.091	0.014	mg/kg	
106-47-8	4-Chloroaniline	ND	0.23	0.015	mg/kg	
86-74-8	Carbazole	ND	0.091	0.021	mg/kg	
105-60-2	Caprolactam	ND	0.091	0.014	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.091	0.018	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.091	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.091	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.091	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.091	0.020	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.091	0.017	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.23	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.091	0.014	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.091	0.010	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	62.5
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.091	0.022	mg/kg	
84-66-2	Diethyl phthalate	ND	0.091	0.016	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.091	0.016	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.371	0.091	0.040	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.046	0.013	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.91	0.046	mg/kg	
67-72-1	Hexachloroethane	ND	0.23	0.013	mg/kg	
78-59-1	Isophorone	ND	0.091	0.012	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.091	0.025	mg/kg	
88-74-4	2-Nitroaniline	ND	0.23	0.020	mg/kg	
99-09-2	3-Nitroaniline	ND	0.23	0.018	mg/kg	
100-01-6	4-Nitroaniline	ND	0.23	0.018	mg/kg	
98-95-3	Nitrobenzene	ND	0.091	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.091	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.23	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		21-116%
4165-62-2	Phenol-d5	51%		19-117%
118-79-6	2,4,6-Tribromophenol	74%		24-136%
4165-60-0	Nitrobenzene-d5	67%		21-122%
321-60-8	2-Fluorobiphenyl	74%		30-117%
1718-51-0	Terphenyl-d14	65%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.63	.53	mg/kg	J
	system artifact	3.05	21	mg/kg	J
	system artifact	3.38	.28	mg/kg	J
	system artifact/aldol-condensation	3.48	2.3	mg/kg	J
	unknown	14.39	.33	mg/kg	J
57-10-3	Hexadecanoic acid	15.36	.88	mg/kg	JN
	unknown	16.70	1.5	mg/kg	J
	unknown	16.83	.31	mg/kg	J
	unknown	18.66	.29	mg/kg	J
	unknown	18.84	.29	mg/kg	J
	unknown	19.10	.59	mg/kg	J
	unknown	20.14	.33	mg/kg	J
	unknown	20.56	.39	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	62.5
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.02	1.2	mg/kg	J
	unknown	21.19	.28	mg/kg	J
	unknown	21.54	.69	mg/kg	J
	unknown	21.61	.73	mg/kg	J
	unknown	21.79	.63	mg/kg	J
	unknown	21.98	.7	mg/kg	J
	unknown	22.07	.38	mg/kg	J
	unknown	22.29	.56	mg/kg	J
	unknown	22.36	2	mg/kg	J
	unknown	22.45	2	mg/kg	J
	unknown	22.56	.95	mg/kg	J
	unknown	22.74	1.5	mg/kg	J
	unknown	22.91	1.2	mg/kg	J
	unknown	23.06	1.6	mg/kg	J
	unknown	23.38	.52	mg/kg	J
	Total TIC, Semi-Volatile		19.85	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	62.5
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25134.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.023	0.015	mg/kg	
83-32-9	Acenaphthene	ND	0.0046	0.00064	mg/kg	
208-96-8	Acenaphthylene	ND	0.0046	0.00055	mg/kg	
120-12-7	Anthracene	ND	0.0046	0.00054	mg/kg	
56-55-3	Benzo(a)anthracene	0.00748	0.0046	0.0015	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0046	0.00080	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0138	0.0046	0.00072	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.00561	0.0046	0.00068	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0046	0.00073	mg/kg	
218-01-9	Chrysene	0.00526	0.0046	0.00079	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0046	0.0011	mg/kg	
206-44-0	Fluoranthene	0.00491	0.0046	0.00046	mg/kg	
86-73-7	Fluorene	ND	0.0046	0.00044	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0046	0.00046	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.00583	0.0046	0.00077	mg/kg	
91-20-3	Naphthalene	ND	0.0046	0.00052	mg/kg	
85-01-8	Phenanthrene	ND	0.0046	0.00054	mg/kg	
129-00-0	Pyrene	0.00753	0.0046	0.00041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		21-124%
4165-62-2	Phenol-d5	71%		19-119%
118-79-6	2,4,6-Tribromophenol	69%		20-136%
4165-60-0	Nitrobenzene-d5	73%		18-123%
321-60-8	2-Fluorobiphenyl	73%		24-113%
1718-51-0	Terphenyl-d14	76%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	62.5
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107517.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0047		mg/kg	
11104-28-2	Aroclor 1221	ND	0.0047	0.0028	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0047	0.0024	mg/kg	
53469-21-9	Aroclor 1242	ND	0.0047	0.0015	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0047	0.0014	mg/kg	
11097-69-1	Aroclor 1254	0.0136	0.0047	0.0022	mg/kg	
11096-82-5	Aroclor 1260	0.0196	0.0047	0.0015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		22-141%
877-09-8	Tetrachloro-m-xylene	63%		22-141%
2051-24-3	Decachlorobiphenyl	59%		18-163%
2051-24-3	Decachlorobiphenyl	59%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-3(0.0-0.5)
Lab Sample ID: JA75771-7
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 62.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	4780	310	33	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	3.3 U	31	3.3	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	68.4	0.39	0.045	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	34.1 B	310	0.42	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.16 U	3.1	0.16	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	1.1 U	7.8	1.1	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	50900	7800	77	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	11.2 B	16	1.9	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	9.6 B	78	1.2	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	29.2 B	39	1.8	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	35800	160	37	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	54.7	31	5.7	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	5220 B	7800	21	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	257	23	0.61	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.091	0.051	0.022	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	14.9 B	62	2.3	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	205 B	16000	49	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	6.8 U	31	6.8	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.64 U	7.8	0.64	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1770 B	16000	390	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	14 U	16	14	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	82.9	78	1.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	120	31	2.7	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-3(0.0-0.5)		
Lab Sample ID:	JA75771-7	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	62.5
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	97.2		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	96.3		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	95.2		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	94.8		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	92.3		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	85.6		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	61.8		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	29.3		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	15.6		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	5.0		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	2.5		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	1.0		%	1	06/02/11	SH	ASTM D422-63
% Gravel	3.7		%	1	06/02/11	SH	ASTM D422-63
% Sand	80.7		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	15.6		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	62.5		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon	10900	160	mg/kg	1	05/25/11 14:11	SJG	LLOYD KAHN 1988

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PMP-SED-2(0.5-1.0)		
Lab Sample ID:	JA75771-8	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	23.3
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111947.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0635	0.033	0.0074	mg/kg	
71-43-2	Benzene	ND	0.0033	0.0011	mg/kg	
75-27-4	Bromodichloromethane	ND	0.017	0.00085	mg/kg	
75-25-2	Bromoform	ND	0.017	0.00050	mg/kg	
74-83-9	Bromomethane	ND	0.017	0.0013	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.033	0.0065	mg/kg	
75-15-0	Carbon disulfide	ND	0.017	0.0010	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.017	0.0018	mg/kg	
108-90-7	Chlorobenzene	ND	0.017	0.0011	mg/kg	
75-00-3	Chloroethane	ND	0.017	0.0033	mg/kg	
67-66-3	Chloroform	ND	0.017	0.0010	mg/kg	
74-87-3	Chloromethane	ND	0.017	0.00054	mg/kg	
110-82-7	Cyclohexane	ND	0.017	0.00050	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.033	0.0018	mg/kg	
124-48-1	Dibromochloromethane	ND	0.017	0.00036	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0033	0.00045	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.017	0.00089	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.017	0.00091	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.017	0.0011	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.017	0.0031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.017	0.00046	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0033	0.0011	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.017	0.0022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.017	0.00079	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.017	0.0015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.017	0.00043	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.017	0.00044	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.017	0.00032	mg/kg	
100-41-4	Ethylbenzene	ND	0.0033	0.0012	mg/kg	
76-13-1	Freon 113	ND	0.017	0.0019	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0032	mg/kg	
98-82-8	Isopropylbenzene	ND	0.017	0.0017	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.5-1.0)		
Lab Sample ID:	JA75771-8	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	23.3
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.017	0.0027	mg/kg	
108-87-2	Methylcyclohexane	ND	0.017	0.0022	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0033	0.00093	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.017	0.0027	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.00074	mg/kg	
100-42-5	Styrene	ND	0.017	0.00035	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.017	0.00097	mg/kg	
127-18-4	Tetrachloroethene	ND	0.017	0.00048	mg/kg	
108-88-3	Toluene	ND	0.0033	0.00096	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.017	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.017	0.00042	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.017	0.00061	mg/kg	
79-01-6	Trichloroethene	ND	0.017	0.0017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.017	0.00076	mg/kg	
75-01-4	Vinyl chloride	ND	0.017	0.00059	mg/kg	
1330-20-7	Xylene (total)	ND	0.0066	0.0015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-131%
17060-07-0	1,2-Dichloroethane-D4	94%		66-130%
2037-26-5	Toluene-D8	108%		76-125%
460-00-4	4-Bromofluorobenzene	104%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	52.0
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80422.D	1	05/27/11	LP	05/20/11	OP49823	EM3168
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.27	0.055	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.27	0.055	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.27	0.088	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.27	0.092	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.067	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.062	mg/kg	
	3&4-Methylphenol	ND	0.11	0.069	mg/kg	
88-75-5	2-Nitrophenol	ND	0.27	0.058	mg/kg	
100-02-7	4-Nitrophenol	ND	0.55	0.092	mg/kg	
108-95-2	Phenol	ND	0.11	0.057	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.27	0.063	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.27	0.051	mg/kg	
98-86-2	Acetophenone	ND	0.27	0.0096	mg/kg	
1912-24-9	Atrazine	ND	0.27	0.011	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.020	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.032	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.11	0.0063	mg/kg	
100-52-7	Benzaldehyde	ND	0.27	0.013	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.017	mg/kg	
106-47-8	4-Chloroaniline	ND	0.27	0.017	mg/kg	
86-74-8	Carbazole	ND	0.11	0.025	mg/kg	
105-60-2	Caprolactam	ND	0.11	0.017	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.022	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.11	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.11	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.11	0.016	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.11	0.024	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.11	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.27	0.014	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.11	0.012	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	52.0
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.11	0.027	mg/kg	
84-66-2	Diethyl phthalate	ND	0.11	0.019	mg/kg	
131-11-3	Dimethyl phthalate	0.0839	0.11	0.019	mg/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	0.188	0.11	0.048	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.055	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.1	0.056	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	0.015	mg/kg	
78-59-1	Isophorone	ND	0.11	0.015	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	0.030	mg/kg	
88-74-4	2-Nitroaniline	ND	0.27	0.024	mg/kg	
99-09-2	3-Nitroaniline	ND	0.27	0.022	mg/kg	
100-01-6	4-Nitroaniline	ND	0.27	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.11	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.27	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		21-116%
4165-62-2	Phenol-d5	59%		19-117%
118-79-6	2,4,6-Tribromophenol	89%		24-136%
4165-60-0	Nitrobenzene-d5	78%		21-122%
321-60-8	2-Fluorobiphenyl	79%		30-117%
1718-51-0	Terphenyl-d14	69%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.04	25	mg/kg	J
	system artifact/aldol-condensation	3.47	3.2	mg/kg	J
57-10-3	Hexadecanoic acid	15.36	1.9	mg/kg	JN
	unknown	18.29	1.1	mg/kg	J
	unknown	19.40	1.3	mg/kg	J
	unknown	19.86	1.1	mg/kg	J
	unknown	20.14	2.5	mg/kg	J
	unknown	20.56	3.2	mg/kg	J
	unknown	21.03	7.3	mg/kg	J
	unknown	21.17	1.3	mg/kg	J
	unknown	21.23	1.2	mg/kg	J
	unknown	21.54	3.3	mg/kg	J
	unknown	21.61	3.1	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	52.0
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.77	2.5	mg/kg	J
	unknown	21.97	1.9	mg/kg	J
	unknown	22.06	1.4	mg/kg	J
	unknown	22.14	2.2	mg/kg	J
	unknown	22.29	2.3	mg/kg	J
	unknown	22.35	5.5	mg/kg	J
	unknown	22.44	6.2	mg/kg	J
	unknown	22.55	3.6	mg/kg	J
	unknown	22.66	.99	mg/kg	J
	unknown	22.74	7.1	mg/kg	J
	unknown	22.91	4.4	mg/kg	J
	unknown	23.06	5.8	mg/kg	J
	unknown	23.28	.98	mg/kg	J
	unknown	23.38	1.3	mg/kg	J
	Total TIC, Semi-Volatile		73.47	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	52.0
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25135.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.027	0.018	mg/kg	
83-32-9	Acenaphthene	ND	0.0055	0.00076	mg/kg	
208-96-8	Acenaphthylene	ND	0.0055	0.00066	mg/kg	
120-12-7	Anthracene	ND	0.0055	0.00065	mg/kg	
56-55-3	Benzo(a)anthracene	0.0403	0.0055	0.0018	mg/kg	
50-32-8	Benzo(a)pyrene	0.0118	0.0055	0.00096	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0376	0.0055	0.00086	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0157	0.0055	0.00081	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0055	0.00088	mg/kg	
218-01-9	Chrysene	0.0193	0.0055	0.00095	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.00626	0.0055	0.0013	mg/kg	
206-44-0	Fluoranthene	0.0227	0.0055	0.00055	mg/kg	
86-73-7	Fluorene	ND	0.0055	0.00053	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0055	0.00055	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0148	0.0055	0.00092	mg/kg	
91-20-3	Naphthalene	ND	0.0055	0.00062	mg/kg	
85-01-8	Phenanthrene	0.0114	0.0055	0.00064	mg/kg	
129-00-0	Pyrene	0.0295	0.0055	0.00049	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		21-124%
4165-62-2	Phenol-d5	78%		19-119%
118-79-6	2,4,6-Tribromophenol	74%		20-136%
4165-60-0	Nitrobenzene-d5	79%		18-123%
321-60-8	2-Fluorobiphenyl	71%		24-113%
1718-51-0	Terphenyl-d14	91%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	52.0
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107518.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0056	0.0015	mg/kg	
11104-28-2	Aroclor 1221	ND	0.0056	0.0034	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0056	0.0028	mg/kg	
53469-21-9	Aroclor 1242	ND	0.0056	0.0018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0056	0.0017	mg/kg	
11097-69-1	Aroclor 1254	0.0257	0.0056	0.0026	mg/kg	
11096-82-5	Aroclor 1260	0.0119	0.0056	0.0018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		22-141%
877-09-8	Tetrachloro-m-xylene	71%		22-141%
2051-24-3	Decachlorobiphenyl	63%		18-163%
2051-24-3	Decachlorobiphenyl	64%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-2(0.0-0.5)
Lab Sample ID: JA75771-9
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 52.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6310	380	41	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	4.1 U	38	4.1	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	50.1	0.48	0.056	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	49.8 B	380	0.52	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.19 U	3.8	0.19	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	2.1 B	9.6	1.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	40200	9600	95	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	14.3 B	19	2.3	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	9.9 B	96	1.5	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	32.4 B	48	2.2	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	36500	190	45	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	28.5 B	38	7.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	5260 B	9600	26	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	258	29	0.75	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.039 B	0.063	0.027	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	15.1 B	77	2.8	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	861 B	19000	61	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	8.4 U	38	8.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.79 U	9.6	0.79	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1490 B	19000	480	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	17 U	19	17	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	83.5 B	96	1.7	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	355	38	3.3	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit
U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-2(0.0-0.5)		
Lab Sample ID:	JA75771-9	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	52.0
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	99.3		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	98.4		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	97.4		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	93.5		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	92.4		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	86.6		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	78.6		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	59.9		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	31.8		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	17.6		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	6.0		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	2.3		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	2.3		%	1	06/02/11	SH	ASTM D422-63
% Gravel	2.6		%	1	06/02/11	SH	ASTM D422-63
% Sand	79.9		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	17.6		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	52		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon [a]	11000	190	mg/kg	1	05/25/11 14:31	SJG	LLOYD KAHN 1988

(a) Multiple injections indicate possible sample non-homogeneity.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PMP-SED-1(0.5-1.0)		
Lab Sample ID:	JA75771-10	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	41.6
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111948.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0328	0.018	0.0040	mg/kg	
71-43-2	Benzene	ND	0.0018	0.00061	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0090	0.00046	mg/kg	
75-25-2	Bromoform	ND	0.0090	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0090	0.00072	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.018	0.0035	mg/kg	
75-15-0	Carbon disulfide	0.0011	0.0090	0.00055	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0090	0.0010	mg/kg	
108-90-7	Chlorobenzene	ND	0.0090	0.00061	mg/kg	
75-00-3	Chloroethane	ND	0.0090	0.0018	mg/kg	
67-66-3	Chloroform	ND	0.0090	0.00057	mg/kg	
74-87-3	Chloromethane	ND	0.0090	0.00030	mg/kg	
110-82-7	Cyclohexane	ND	0.0090	0.00027	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.018	0.00097	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0090	0.00020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0018	0.00025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0090	0.00048	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0090	0.00049	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0090	0.00060	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0090	0.0017	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0090	0.00025	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0018	0.00062	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0090	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0090	0.00043	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0090	0.00081	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0090	0.00023	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0090	0.00024	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0090	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0018	0.00067	mg/kg	
76-13-1	Freon 113	ND	0.0090	0.0010	mg/kg	
591-78-6	2-Hexanone	ND	0.0090	0.0017	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0090	0.00093	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.5-1.0)		
Lab Sample ID:	JA75771-10	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	41.6
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.0090	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0090	0.0012	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0018	0.00051	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0090	0.0015	mg/kg	
75-09-2	Methylene chloride	ND	0.0090	0.00040	mg/kg	
100-42-5	Styrene	ND	0.0090	0.00019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0090	0.00053	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0090	0.00026	mg/kg	
108-88-3	Toluene	ND	0.0018	0.00052	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0090	0.00062	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0090	0.00023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0090	0.00033	mg/kg	
79-01-6	Trichloroethene	ND	0.0090	0.00094	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0090	0.00041	mg/kg	
75-01-4	Vinyl chloride	ND	0.0090	0.00032	mg/kg	
1330-20-7	Xylene (total)	ND	0.0036	0.00084	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-131%
17060-07-0	1,2-Dichloroethane-D4	97%		66-130%
2037-26-5	Toluene-D8	110%		76-125%
460-00-4	4-Bromofluorobenzene	103%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	56.4
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80423.D	1	05/27/11	LP	05/20/11	OP49823	EM3168
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.25	0.051	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.25	0.051	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.25	0.081	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.25	0.085	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.062	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.0	0.062	mg/kg	
95-48-7	2-Methylphenol	ND	0.10	0.058	mg/kg	
	3&4-Methylphenol	ND	0.10	0.064	mg/kg	
88-75-5	2-Nitrophenol	ND	0.25	0.054	mg/kg	
100-02-7	4-Nitrophenol	ND	0.51	0.085	mg/kg	
108-95-2	Phenol	ND	0.10	0.053	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.25	0.059	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.25	0.047	mg/kg	
98-86-2	Acetophenone	ND	0.25	0.0089	mg/kg	
1912-24-9	Atrazine	ND	0.25	0.010	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.10	0.018	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.10	0.029	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.10	0.0059	mg/kg	
100-52-7	Benzaldehyde	ND	0.25	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.10	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.25	0.016	mg/kg	
86-74-8	Carbazole	ND	0.10	0.023	mg/kg	
105-60-2	Caprolactam	ND	0.10	0.016	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.10	0.020	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.10	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.10	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.10	0.015	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.10	0.022	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.10	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.25	0.013	mg/kg	
132-64-9	Dibenzofuran	ND	0.10	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.10	0.011	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	56.4
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.10	0.025	mg/kg	
84-66-2	Diethyl phthalate	ND	0.10	0.017	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.10	0.018	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0668	0.10	0.045	mg/kg	J
87-68-3	Hexachlorobutadiene	ND	0.051	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.0	0.052	mg/kg	
67-72-1	Hexachloroethane	ND	0.25	0.014	mg/kg	
78-59-1	Isophorone	ND	0.10	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.10	0.028	mg/kg	
88-74-4	2-Nitroaniline	ND	0.25	0.022	mg/kg	
99-09-2	3-Nitroaniline	ND	0.25	0.020	mg/kg	
100-01-6	4-Nitroaniline	ND	0.25	0.020	mg/kg	
98-95-3	Nitrobenzene	ND	0.10	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.10	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.25	0.030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		21-116%
4165-62-2	Phenol-d5	48%		19-117%
118-79-6	2,4,6-Tribromophenol	78%		24-136%
4165-60-0	Nitrobenzene-d5	63%		21-122%
321-60-8	2-Fluorobiphenyl	69%		30-117%
1718-51-0	Terphenyl-d14	60%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.04	22	mg/kg	J
	system artifact/aldol-condensation	3.47	2.8	mg/kg	J
57-10-3	Hexadecanoic acid	15.36	1.2	mg/kg	JN
	alkane	18.30	2.2	mg/kg	J
	alkane	19.12	2.6	mg/kg	J
	unknown	19.20	1.8	mg/kg	J
	alkane	19.86	1.7	mg/kg	J
	unknown	20.13	1.3	mg/kg	J
	unknown	20.56	1.4	mg/kg	J
	alkane	20.68	1.2	mg/kg	J
	unknown	20.81	.95	mg/kg	J
	unknown	21.02	2.6	mg/kg	J
	unknown	21.54	1.8	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	56.4
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.60	1.9	mg/kg	J
	unknown	21.77	1.4	mg/kg	J
	unknown	21.97	1	mg/kg	J
	unknown	22.05	1.2	mg/kg	J
	unknown	22.13	.85	mg/kg	J
	unknown	22.29	1.4	mg/kg	J
	unknown	22.35	3	mg/kg	J
	unknown	22.44	3.5	mg/kg	J
	unknown	22.55	1.7	mg/kg	J
	unknown	22.73	2.6	mg/kg	J
	unknown	22.91	2.2	mg/kg	J
	unknown	23.09	2	mg/kg	J
	unknown	23.14	2.1	mg/kg	J
	unknown	23.37	1.1	mg/kg	J
	Total TIC, Semi-Volatile		44.7	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	56.4
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25136.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.025	0.017	mg/kg	
83-32-9	Acenaphthene	ND	0.0051	0.00071	mg/kg	
208-96-8	Acenaphthylene	ND	0.0051	0.00061	mg/kg	
120-12-7	Anthracene	ND	0.0051	0.00060	mg/kg	
56-55-3	Benzo(a)anthracene	0.0346	0.0051	0.0017	mg/kg	
50-32-8	Benzo(a)pyrene	0.0180	0.0051	0.00088	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0271	0.0051	0.00079	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0174	0.0051	0.00075	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0177	0.0051	0.00081	mg/kg	
218-01-9	Chrysene	0.0244	0.0051	0.00088	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.00662	0.0051	0.0012	mg/kg	
206-44-0	Fluoranthene	0.0303	0.0051	0.00051	mg/kg	
86-73-7	Fluorene	ND	0.0051	0.00049	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0051	0.00051	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0170	0.0051	0.00085	mg/kg	
91-20-3	Naphthalene	0.00703	0.0051	0.00057	mg/kg	
85-01-8	Phenanthrene	0.00940	0.0051	0.00060	mg/kg	
129-00-0	Pyrene	0.0330	0.0051	0.00045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		21-124%
4165-62-2	Phenol-d5	73%		19-119%
118-79-6	2,4,6-Tribromophenol	105%		20-136%
4165-60-0	Nitrobenzene-d5	71%		18-123%
321-60-8	2-Fluorobiphenyl	64%		24-113%
1718-51-0	Terphenyl-d14	98%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	56.4
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107519.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0052		mg/kg	
11104-28-2	Aroclor 1221	ND	0.0052	0.0031	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0052	0.0026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.0052	0.0017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0052	0.0016	mg/kg	
11097-69-1	Aroclor 1254	0.0074	0.0052	0.0024	mg/kg	
11096-82-5	Aroclor 1260	0.0103	0.0052	0.0017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		22-141%
877-09-8	Tetrachloro-m-xylene	53%		22-141%
2051-24-3	Decachlorobiphenyl	60%		18-163%
2051-24-3	Decachlorobiphenyl	59%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-1(0.0-0.5)
Lab Sample ID: JA75771-11
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 56.4

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	5250	350	38	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	4.1 B	35	3.7	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	62.6	0.44	0.051	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	37.3 B	350	0.47	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.18 U	3.5	0.18	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	1.2 U	8.8	1.2	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	49000	8800	87	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	12.4 B	18	2.1	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	10.5 B	88	1.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	40.2 B	44	2.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	45500	180	41	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	63.7	35	6.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	5530 B	8800	24	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	266	26	0.68	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.044 B	0.058	0.024	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	17.3 B	70	2.6	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	686 B	18000	55	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	7.6 U	35	7.6	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.72 U	8.8	0.72	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1410 B	18000	440	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	16 U	18	16	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	99.6	88	1.5	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	207	35	3.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-1(0.0-0.5)		
Lab Sample ID:	JA75771-11	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	56.4
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	99.8		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	98.7		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	94.5		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	92.8		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	86.1		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	75.5		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	57.9		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	32.9		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	21.2		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	8.0		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	3.0		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	2.4		%	1	06/02/11	SH	ASTM D422-63
% Gravel	1.3		%	1	06/02/11	SH	ASTM D422-63
% Sand	77.4		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	21.2		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	56.4		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon	15900	180	mg/kg	1	05/25/11 14:52	SJG	LLOYD KAHN 1988

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PMP-SED-5(0.5-1.0)		
Lab Sample ID:	JA75771-12	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	47.5
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111949.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4790
Run #2							

	Initial Weight
Run #1	6.9 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0241	0.015	0.0034	mg/kg	
71-43-2	Benzene	ND	0.0015	0.00052	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0076	0.00039	mg/kg	
75-25-2	Bromoform	ND	0.0076	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0076	0.00062	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.015	0.0030	mg/kg	
75-15-0	Carbon disulfide	ND	0.0076	0.00047	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0076	0.00085	mg/kg	
108-90-7	Chlorobenzene	ND	0.0076	0.00052	mg/kg	
75-00-3	Chloroethane	ND	0.0076	0.0015	mg/kg	
67-66-3	Chloroform	ND	0.0076	0.00049	mg/kg	
74-87-3	Chloromethane	ND	0.0076	0.00025	mg/kg	
110-82-7	Cyclohexane	ND	0.0076	0.00023	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.00083	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0076	0.00017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0015	0.00021	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0076	0.00041	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0076	0.00042	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0076	0.00051	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0076	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0076	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0015	0.00053	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0076	0.0010	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0076	0.00036	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0076	0.00068	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0076	0.00020	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0076	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0076	0.00015	mg/kg	
100-41-4	Ethylbenzene	ND	0.0015	0.00057	mg/kg	
76-13-1	Freon 113	ND	0.0076	0.00086	mg/kg	
591-78-6	2-Hexanone	ND	0.0076	0.0015	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0076	0.00079	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.5-1.0)		
Lab Sample ID:	JA75771-12	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	47.5
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.0076	0.0013	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0076	0.0010	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00043	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0076	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0076	0.00034	mg/kg	
100-42-5	Styrene	ND	0.0076	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0076	0.00045	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0076	0.00022	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00045	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0076	0.00053	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0076	0.00020	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0076	0.00028	mg/kg	
79-01-6	Trichloroethene	ND	0.0076	0.00080	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0076	0.00035	mg/kg	
75-01-4	Vinyl chloride	ND	0.0076	0.00027	mg/kg	
1330-20-7	Xylene (total)	ND	0.0031	0.00072	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		67-131%
17060-07-0	1,2-Dichloroethane-D4	96%		66-130%
2037-26-5	Toluene-D8	109%		76-125%
460-00-4	4-Bromofluorobenzene	104%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	58.3
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80424.D	1	05/27/11	LP	05/20/11	OP49823	EM3168
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.24	0.049	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.24	0.049	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.24	0.079	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.24	0.082	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.98	0.060	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.98	0.060	mg/kg	
95-48-7	2-Methylphenol	ND	0.098	0.056	mg/kg	
	3&4-Methylphenol	ND	0.098	0.062	mg/kg	
88-75-5	2-Nitrophenol	ND	0.24	0.052	mg/kg	
100-02-7	4-Nitrophenol	ND	0.49	0.083	mg/kg	
108-95-2	Phenol	ND	0.098	0.051	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.24	0.057	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.24	0.046	mg/kg	
98-86-2	Acetophenone	ND	0.24	0.0086	mg/kg	
1912-24-9	Atrazine	ND	0.24	0.0096	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.098	0.018	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.098	0.028	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.098	0.0057	mg/kg	
100-52-7	Benzaldehyde	0.0883	0.24	0.011	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.098	0.015	mg/kg	
106-47-8	4-Chloroaniline	ND	0.24	0.016	mg/kg	
86-74-8	Carbazole	ND	0.098	0.023	mg/kg	
105-60-2	Caprolactam	ND	0.098	0.015	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.098	0.020	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.098	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.098	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.098	0.015	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.098	0.021	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.098	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.24	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.098	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.098	0.011	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	58.3
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.098	0.024	mg/kg	
84-66-2	Diethyl phthalate	ND	0.098	0.017	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.098	0.017	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.153	0.098	0.043	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.049	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.98	0.050	mg/kg	
67-72-1	Hexachloroethane	ND	0.24	0.014	mg/kg	
78-59-1	Isophorone	ND	0.098	0.013	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.098	0.027	mg/kg	
88-74-4	2-Nitroaniline	ND	0.24	0.022	mg/kg	
99-09-2	3-Nitroaniline	ND	0.24	0.020	mg/kg	
100-01-6	4-Nitroaniline	ND	0.24	0.019	mg/kg	
98-95-3	Nitrobenzene	ND	0.098	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.098	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.24	0.029	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		21-116%
4165-62-2	Phenol-d5	60%		19-117%
118-79-6	2,4,6-Tribromophenol	93%		24-136%
4165-60-0	Nitrobenzene-d5	72%		21-122%
321-60-8	2-Fluorobiphenyl	80%		30-117%
1718-51-0	Terphenyl-d14	77%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.05	23	mg/kg	J
	system artifact/aldol-condensation	3.47	3	mg/kg	J
	unknown	14.36	2.9	mg/kg	J
57-10-3	Hexadecanoic acid	15.36	1.4	mg/kg	JN
	unknown	15.73	1.4	mg/kg	J
	unknown	16.69	.69	mg/kg	J
	unknown	16.82	.8	mg/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	16.89	.71	mg/kg	JN
	alkane	18.30	1.4	mg/kg	J
	alkane	19.12	1.8	mg/kg	J
	alkane	19.85	1.4	mg/kg	J
	unknown	20.56	.78	mg/kg	J
	alkane	20.68	.74	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	58.3
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
59-02-9	Vitamin E	21.04	2.4	mg/kg	JN
	unknown	21.54	.93	mg/kg	J
	unknown	21.60	1.5	mg/kg	J
	unknown	21.78	1.1	mg/kg	J
	unknown	21.97	.99	mg/kg	J
	unknown	22.29	1.1	mg/kg	J
	unknown	22.36	3	mg/kg	J
	unknown	22.45	3.1	mg/kg	J
	unknown	22.56	.75	mg/kg	J
	unknown	22.66	.72	mg/kg	J
	unknown	22.74	4.8	mg/kg	J
	unknown	22.91	4.1	mg/kg	J
	unknown	23.06	5.2	mg/kg	J
	unknown	23.38	1.7	mg/kg	J
	Total TIC, Semi-Volatile		45.41	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	58.3
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25137.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.024	0.016	mg/kg	
83-32-9	Acenaphthene	ND	0.0049	0.00068	mg/kg	
208-96-8	Acenaphthylene	ND	0.0049	0.00059	mg/kg	
120-12-7	Anthracene	ND	0.0049	0.00058	mg/kg	
56-55-3	Benzo(a)anthracene	0.0146	0.0049	0.0016	mg/kg	
50-32-8	Benzo(a)pyrene	0.00808	0.0049	0.00086	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0230	0.0049	0.00077	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0104	0.0049	0.00073	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0049	0.00079	mg/kg	
218-01-9	Chrysene	0.00955	0.0049	0.00085	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0049	0.0012	mg/kg	
206-44-0	Fluoranthene	0.0137	0.0049	0.00049	mg/kg	
86-73-7	Fluorene	ND	0.0049	0.00047	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.0049	0.00049	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.00841	0.0049	0.00082	mg/kg	
91-20-3	Naphthalene	ND	0.0049	0.00055	mg/kg	
85-01-8	Phenanthrene	0.00799	0.0049	0.00058	mg/kg	
129-00-0	Pyrene	0.0205	0.0049	0.00044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		21-124%
4165-62-2	Phenol-d5	87%		19-119%
118-79-6	2,4,6-Tribromophenol	85%		20-136%
4165-60-0	Nitrobenzene-d5	84%		18-123%
321-60-8	2-Fluorobiphenyl	73%		24-113%
1718-51-0	Terphenyl-d14	106%		21-126%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	58.3
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107520.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.0050	0.0013	mg/kg	
11104-28-2	Aroclor 1221	ND	0.0050	0.0030	mg/kg	
11141-16-5	Aroclor 1232	ND	0.0050	0.0026	mg/kg	
53469-21-9	Aroclor 1242	ND	0.0050	0.0016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.0050	0.0015	mg/kg	
11097-69-1	Aroclor 1254	ND	0.0050	0.0024	mg/kg	
11096-82-5	Aroclor 1260	ND	0.0050	0.0017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		22-141%
877-09-8	Tetrachloro-m-xylene	71%		22-141%
2051-24-3	Decachlorobiphenyl	68%		18-163%
2051-24-3	Decachlorobiphenyl	65%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PMP-SED-5(0.0-0.5)
Lab Sample ID: JA75771-13
Matrix: SO - Sediment
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 58.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	6510	350	38	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	3.7 U	35	3.7	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	58.5	0.44	0.051	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	52.0 B	350	0.47	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.18 U	3.5	0.18	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	1.2 U	8.8	1.2	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	48000	8800	87	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	13.4 B	18	2.1	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	12.7 B	88	1.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	27.2 B	44	2.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	42900	180	41	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	15.4 B	35	6.4	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	7080 B	8800	24	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	334	26	0.68	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.041 B	0.054	0.023	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	17.9 B	70	2.6	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	1250 B	18000	55	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	7.6 U	35	7.6	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	0.72 U	8.8	0.72	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	1070 B	18000	440	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	16 U	18	16	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	92.2	88	1.5	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	122	35	3.0	mg/kg	10	05/30/11	06/02/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26467
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	PMP-SED-5(0.0-0.5)		
Lab Sample ID:	JA75771-13	**Date Sampled:**	05/12/11
Matrix:	SO - Sediment	**Date Received:**	05/13/11
		Percent Solids:	58.3
Project:	Ringwood, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Particle Size Analysis (Sieve and Hydrometer Testing)							
3 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
1.5 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.75 Inch Sieve	100		%	1	06/02/11	SH	ASTM D422-63
0.375 Inch Sieve	99.8		%	1	06/02/11	SH	ASTM D422-63
No.4 Sieve (4.75 mm)	98.2		%	1	06/02/11	SH	ASTM D422-63
No.8 Sieve (2.36 mm)	94.0		%	1	06/02/11	SH	ASTM D422-63
No.10 Sieve (2.00 mm)	92.3		%	1	06/02/11	SH	ASTM D422-63
No.16 Sieve (1.18 mm)	85.1		%	1	06/02/11	SH	ASTM D422-63
No.30 Sieve (0.60 mm)	78.8		%	1	06/02/11	SH	ASTM D422-63
No.50 Sieve (0.30 mm)	62.4		%	1	06/02/11	SH	ASTM D422-63
No.100 Sieve (0.15 mm)	39.5		%	1	06/02/11	SH	ASTM D422-63
No.200 Sieve (0.075 mm)	26.0		%	1	06/02/11	SH	ASTM D422-63
0.030 mm (Hydrometer)	8.0		%	1	06/02/11	SH	ASTM D422-63
0.005 mm (Hydrometer)	4.0		%	1	06/02/11	SH	ASTM D422-63
0.0015 mm (Hydrometer)	2.4		%	1	06/02/11	SH	ASTM D422-63
% Gravel	1.8		%	1	06/02/11	SH	ASTM D422-63
% Sand	72.2		%	1	06/02/11	SH	ASTM D422-63
% Silt, Clay, Colloids	26.0		%	1	06/02/11	SH	ASTM D422-63
Solids, Percent	58.3		%	1	05/31/11	CS	SM18 2540G
Total Organic Carbon [a]	15300	170	mg/kg	1	05/25/11 15:19	SJG	LLOYD KAHN 1988

(a) Multiple injections indicate possible sample non-homogeneity.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y111986.D	1	05/20/11	JLI	05/13/11 15:00	n/a	VY4791
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0912	0.040	0.026	mg/kg	
71-43-2	Benzene	ND	0.0040	0.00053	mg/kg	
75-27-4	Bromodichloromethane	ND	0.020	0.00089	mg/kg	
75-25-2	Bromoform	ND	0.020	0.0030	mg/kg	
74-83-9	Bromomethane	ND	0.020	0.0016	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.040	0.017	mg/kg	
75-15-0	Carbon disulfide	ND	0.020	0.00078	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.020	0.0014	mg/kg	
108-90-7	Chlorobenzene	ND	0.020	0.0013	mg/kg	
75-00-3	Chloroethane	ND	0.020	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.020	0.0019	mg/kg	
74-87-3	Chloromethane	ND	0.020	0.0025	mg/kg	
110-82-7	Cyclohexane	ND	0.020	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.040	0.0060	mg/kg	
124-48-1	Dibromochloromethane	ND	0.020	0.00067	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0040	0.00095	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.0011	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.00077	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.00068	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.020	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.020	0.00087	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0040	0.00073	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.020	0.0024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.0013	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.020	0.0011	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.00061	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.0013	mg/kg	
100-41-4	Ethylbenzene	ND	0.0040	0.00059	mg/kg	
76-13-1	Freon 113	ND	0.020	0.0029	mg/kg	
591-78-6	2-Hexanone	ND	0.020	0.0099	mg/kg	
98-82-8	Isopropylbenzene	ND	0.020	0.00055	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8260B SW846 5035	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	0.020	0.0089	mg/kg	
108-87-2	Methylcyclohexane	ND	0.020	0.00098	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0040	0.00071	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.020	0.010	mg/kg	
75-09-2	Methylene chloride	ND	0.020	0.00092	mg/kg	
100-42-5	Styrene	ND	0.020	0.00074	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.00071	mg/kg	
127-18-4	Tetrachloroethene	ND	0.020	0.00076	mg/kg	
108-88-3	Toluene	ND	0.0040	0.0015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.020	0.0014	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.00096	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.0017	mg/kg	
79-01-6	Trichloroethene	ND	0.020	0.00099	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.020	0.0019	mg/kg	
75-01-4	Vinyl chloride	ND	0.020	0.0018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0040	0.00073	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		67-131%
17060-07-0	1,2-Dichloroethane-D4	94%		66-130%
2037-26-5	Toluene-D8	109%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80444.D	1	05/27/11	OYA	05/20/11	OP49823	EM3169
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.62	0.12	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.62	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.62	0.20	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.62	0.21	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	2.5	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	2.5	0.15	mg/kg	
95-48-7	2-Methylphenol	ND	0.25	0.14	mg/kg	
	3&4-Methylphenol	ND	0.25	0.16	mg/kg	
88-75-5	2-Nitrophenol	ND	0.62	0.13	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.21	mg/kg	
108-95-2	Phenol	ND	0.25	0.13	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.62	0.14	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.62	0.12	mg/kg	
98-86-2	Acetophenone	ND	0.62	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.62	0.024	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.25	0.045	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.25	0.071	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.25	0.014	mg/kg	
100-52-7	Benzaldehyde	ND	0.62	0.028	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.25	0.038	mg/kg	
106-47-8	4-Chloroaniline	ND	0.62	0.039	mg/kg	
86-74-8	Carbazole	ND	0.25	0.057	mg/kg	
105-60-2	Caprolactam	ND	0.25	0.039	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.25	0.050	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.25	0.037	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.25	0.037	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.25	0.037	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.25	0.054	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.25	0.047	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.62	0.031	mg/kg	
132-64-9	Dibenzofuran	ND	0.25	0.037	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.25	0.027	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
117-84-0	Di-n-octyl phthalate	ND	0.25	0.060	mg/kg	
84-66-2	Diethyl phthalate	ND	0.25	0.042	mg/kg	
131-11-3	Dimethyl phthalate	0.443	0.25	0.043	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	1.07	0.25	0.11	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.12	0.034	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	2.5	0.13	mg/kg	
67-72-1	Hexachloroethane	ND	0.62	0.034	mg/kg	
78-59-1	Isophorone	ND	0.25	0.033	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.25	0.069	mg/kg	
88-74-4	2-Nitroaniline	ND	0.62	0.054	mg/kg	
99-09-2	3-Nitroaniline	ND	0.62	0.049	mg/kg	
100-01-6	4-Nitroaniline	ND	0.62	0.048	mg/kg	
98-95-3	Nitrobenzene	ND	0.25	0.036	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.25	0.030	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.62	0.074	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		21-116%
4165-62-2	Phenol-d5	58%		19-117%
118-79-6	2,4,6-Tribromophenol	91%		24-136%
4165-60-0	Nitrobenzene-d5	73%		21-122%
321-60-8	2-Fluorobiphenyl	77%		30-117%
1718-51-0	Terphenyl-d14	71%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.61	1.4	mg/kg	J
	system artifact	3.03	58	mg/kg	J
	system artifact/aldol-condensation	3.46	6.8	mg/kg	J
	unknown acid	15.36	3.3	mg/kg	J
	unknown	16.82	1.2	mg/kg	J
	alkane	18.29	1.5	mg/kg	J
	alkane	19.11	2.2	mg/kg	J
	unknown	19.39	1.3	mg/kg	J
	unknown	20.13	5.9	mg/kg	J
	unknown	20.55	7.5	mg/kg	J
	unknown	20.67	2.1	mg/kg	J
	unknown	21.01	17	mg/kg	J
	unknown	21.17	1.6	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

ABN TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.23	2.1	mg/kg	J
	unknown	21.30	1.4	mg/kg	J
	unknown	21.54	6	mg/kg	J
	unknown	21.60	4.6	mg/kg	J
	unknown	21.77	3.7	mg/kg	J
	unknown	21.97	2.7	mg/kg	J
	unknown	22.05	2.8	mg/kg	J
	unknown	22.13	3.6	mg/kg	J
	unknown	22.35	8.1	mg/kg	J
	unknown	22.44	9.9	mg/kg	J
	unknown	22.55	3.7	mg/kg	J
	unknown	22.73	12	mg/kg	J
	unknown	22.90	9.9	mg/kg	J
	unknown	23.04	1.9	mg/kg	J
	unknown	23.36	2.5	mg/kg	J
	Total TIC, Semi-Volatile		118.5	mg/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M25131.D	1	05/28/11	KLS	05/20/11	OP49823A	E3M1119
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
87-86-5	Pentachlorophenol	ND	0.062	0.040	mg/kg	
83-32-9	Acenaphthene	ND	0.012	0.0017	mg/kg	
208-96-8	Acenaphthylene	0.0168	0.012	0.0015	mg/kg	
120-12-7	Anthracene	ND	0.012	0.0015	mg/kg	
56-55-3	Benzo(a)anthracene	0.0821	0.012	0.0041	mg/kg	
50-32-8	Benzo(a)pyrene	0.0478	0.012	0.0022	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0674	0.012	0.0019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0425	0.012	0.0018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0618	0.012	0.0020	mg/kg	
218-01-9	Chrysene	0.0724	0.012	0.0021	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0147	0.012	0.0030	mg/kg	
206-44-0	Fluoranthene	0.0915	0.012	0.0012	mg/kg	
86-73-7	Fluorene	ND	0.012	0.0012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.012	0.0012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0410	0.012	0.0021	mg/kg	
91-20-3	Naphthalene	0.0163	0.012	0.0014	mg/kg	
85-01-8	Phenanthrene	0.0257	0.012	0.0015	mg/kg	
129-00-0	Pyrene	0.0753	0.012	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		21-124%
4165-62-2	Phenol-d5	75%		19-119%
118-79-6	2,4,6-Tribromophenol	144% [a]		20-136%
4165-60-0	Nitrobenzene-d5	83%		18-123%
321-60-8	2-Fluorobiphenyl	80%		24-113%
1718-51-0	Terphenyl-d14	107%		21-126%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BD051211		
Lab Sample ID:	JA75771-14	**Date Sampled:**	05/12/11
Matrix:	SO - Soil	**Date Received:**	05/13/11
Method:	SW846 8082 SW846 3545	**Percent Solids:**	23.2
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX107523.D	1	05/18/11	AZ	05/16/11	OP49739	GXX4060
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.013	0.0033	mg/kg	
11104-28-2	Aroclor 1221	ND	0.013	0.0076	mg/kg	
11141-16-5	Aroclor 1232	ND	0.013	0.0064	mg/kg	
53469-21-9	Aroclor 1242	0.0196	0.013	0.0040	mg/kg	
12672-29-6	Aroclor 1248	ND	0.013	0.0039	mg/kg	
11097-69-1	Aroclor 1254	0.0322	0.013	0.0059	mg/kg	
11096-82-5	Aroclor 1260	ND	0.013	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		22-141%
877-09-8	Tetrachloro-m-xylene	53%		22-141%
2051-24-3	Decachlorobiphenyl	44%		18-163%
2051-24-3	Decachlorobiphenyl	44%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BD051211
Lab Sample ID: JA75771-14
Matrix: SO - Soil
Project: Ringwood, NJ

Date Sampled: 05/12/11
Date Received: 05/13/11
Percent Solids: 23.2

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	16200	850	91	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Antimony [a]	11.0 B	85	9.0	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Arsenic	120	1.1	0.12	mg/kg	5	05/30/11	06/01/11	RP	SW846 6020A [2]	SW846 3050B [5]
Barium [a]	117 B	850	1.2	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Beryllium [a]	0.43 U	8.5	0.43	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cadmium [a]	6.8 B	21	3.0	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Calcium [a]	94000	21000	210	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Chromium [a]	29.6 B	43	5.1	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Cobalt [a]	20.0 B	210	3.4	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Copper [a]	77.5 B	110	4.8	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Iron [a]	77400	430	100	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Lead [a]	66.8 B	85	16	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Magnesium [a]	13200 B	21000	58	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Manganese [a]	636	64	1.7	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Mercury	0.071 B	0.13	0.055	mg/kg	1	06/01/11	06/01/11	VK	SW846 7471A [1]	SW846 7471A [6]
Nickel [a]	38.7 B	170	6.2	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Potassium [a]	2190 B	43000	130	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Selenium [a]	19 U	85	19	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Silver [a]	1.7 U	21	1.7	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Sodium [a]	2290 B	43000	1100	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Thallium [a]	38 U	43	38	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Vanadium [a]	182 B	210	3.7	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]
Zinc [a]	2400	85	7.4	mg/kg	10	05/30/11	06/03/11	ND	SW846 6010B [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA26458
(2) Instrument QC Batch: MA26460
(3) Instrument QC Batch: MA26474
(4) Prep QC Batch: MP58460
(5) Prep QC Batch: MP58460A
(6) Prep QC Batch: MP58484

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK 051211		
Lab Sample ID:	JA75771-15	**Date Sampled:**	05/12/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C82608.D	1	05/19/11	DR	n/a	n/a	V2C3770
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.4	ug/l	
71-43-2	Benzene	ND	1.0	0.26	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.18	ug/l	
75-25-2	Bromoform	ND	4.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.13	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.35	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.15	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.34	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.43	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.15	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.22	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.16	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.30	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.23	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.31	ug/l	
76-13-1	Freon 113	ND	5.0	0.66	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.9	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK 051211		
Lab Sample ID:	JA75771-15	**Date Sampled:**	05/12/11
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/13/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Ringwood, NJ		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
79-20-9	Methyl Acetate	ND	5.0	1.3	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.74	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.48	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.12	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.24	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.16	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.13	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.23	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	108%		70-127%
2037-26-5	Toluene-D8	111%		79-120%
460-00-4	4-Bromofluorobenzene	108%		76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FB TB SO SLL

ACCUTEST LABORATORIES

SW FB SB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www. acutest.com

PAGE 1 OF 2

FED-EX Tracking #: | Bottle Order Control #:
Acutest Quote #: | Acutest Job #: JA75771

Client / Reporting Information

Company Name: Arcadis
Street Address: 8 South River RJ
City: Cranbury State: NJ Zip: 08512
Project Contact: Kris Hullenger E-mail:
Phone #: 609 860 0590 Fax #:
Sampler(s) Name(s): Gary Markiewicz Phone #:

Project Information

Project Name: Ford Ringwood Mine/Landfill
Street:
City: Ringwood State: NJ
Project #:
Client Purchase Order #: NJ5000604.0035.00016
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Acutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MECH	ENCORE	TCL VOC SW-846 Method 8260	TCL SVOC SW-846 Method 8270	PCB SW-846 Method 8082	TAL Metals Method 6010B	TOC EPA 415.1	Grain Size ASTM D 422	LAB USE ONLY
1	FB051211		5/12/11	0915	GMM	AQ	6	2		2		2				X	X	X	X			EX10
2	PMP-SED-6 (0.0-0.5)			1125		SED	3					3				X	X	X	X	X	X	ME12
3	PMP-SED-6 (0.5-1.0)			1105										3		X						2206
4	PMP-SED-4 (0.5-1.0)			1145										3		X						
5	PMP-SED-4 (0.0-0.5)			1200								3					X	X	X	X	X	EX42
6*	PMP-SED-3 (0.5-1.0)			1225			9								9	X						WC50
7*	PMP-SED-3 (0.0-0.5)			1230			7					7					X	X	X	X	X	Y.2
8	PMP-SED-2 (0.5-1.0)			1450			3							3		X						
9	PMP-SED-2 (0.0-0.5)			1500								3					X	X	X	X	X	1402
10	PMP-SED-1 (0.5-1.0)			1535										3		X						4972
11	PMP-SED-1 (0.0-0.5)			1545								3					X	X	X	X	X	
12	PMP-SED-5 (0.5-1.0)			1610										3		X						

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [X] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [X] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

*extra volume provided for PMP-SED-3 A- MS/MSD

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5/13/11 1240	1	2		2
3			3	4		4
5			5			

Custody Seal # ___ ☐ Intact ☐ Not intact | Preserved where applicable ☐ | On Ice ☐ | Cooler Temp. 2.4°C 3.6°C 5.6

4.1 4

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www.acutest.com

FED-EX Tracking #: | Bottle Order Control #:
Acutest Quote #: | Acutest Job #: JA75771

Client / Reporting Information

Company Name: ARCADIS
Street Address: 8 S. River Rd
City: Cranbury State: NJ Zip: 08512
Project Contact: Kris Hallagan E-mail:
Phone #: 609 860 0590 Fax #:
Sampler(s) Name(s): Gary Markiewicz Phone #:

Project Information

Project Name: Former Ringwood Mine/Landfill
Street:
City: Ringwood State: NJ
Project #:
Client Purchase Order #: N3000604 0035.00016
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Acutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL VOC 8260	TCL SVOC 8270	PCB 8082	TAL Metals 6010B	TOC 415.1	Grain Size D422	LAB USE ONLY
13	PMP-SED-5 (0.0-0.5')		5/12/11	1620	GM	SED	3					3					X	X	X	X	X	
14	BD051211		↓	—	↓	↓	25					2			3	X	X	X	X			
15	Trip Blank 051211		—	—	NA	AQ	2	2								X						

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

- [X] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [X] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

TB 8.1 Ld 5/12/11 JF

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5/13/11 1240	1	2		2
3			3	4		4
5			5			

Custody Seal # | [ ] Intact [ ] Not Intact | Preserved where applicable [ ] | On Ice [X] | Cooler Temp.

4.1
4

ACCUTEST Laboratories

☐ Immediate Action Required
Scanned as Problem Note
☐ Action Required at Login
Not Scanned

4.1
4

Issue Date: _____

Sample Receipt Issues Summary

To: Client Services / Login
From: Sample Management

Sample Management Technicians Initials: _____

Client: _____ Project: _____ Job #: _____

- ☐ Trip Blank Not Received
- ☐ Trip Blank Not on Chain of Custody
- ☐ Temperature Criteria (0-6 C) Not Met
- ☐ Ice Present
- ☐ No Ice Present
- ☐ Frozen
- ☐ Sample Received Out of Holding Time
- ☐ Encore received outside of Holding Time
- ☐ Soil VOA vials in DI water to be frozen rec'd outside of 48 hr Holding Time
- ☐ Sample Received Broken
- ☐ Insufficient Volume For Analysis
- ☐ Sample Received Improperly Preserved
- ☐ Times on Chain Don't Match Label
- ☐ ID's on Chain Don't Match Label
- ☐ Sample Labels Not Present on all Bottles
- ☐ Analysis Requested is Unclear or Missing
- ☐ VOC Vials Have Headspace (Macro-bubbles)
- ☐ Bottles Rcv'd, Analysis Not Requested on COC
- ☐ No Bottles Received for Analysis Requested
- ☐ Unclear Filtering Instructions
- ☐ Unclear Compositing Instructions
- ☐ % Solids Jar Not Received
- ☐ No Chain of Custody Received
- ☐ Sample Dates or Times Unclear or Missing

Description of Problem:

All encores rec'd w/out % solids, use from main sprx?

JA75771: Chain of Custody
Page 3 of 5

Form: SM65-02
Rev. Date: 11/06/08

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA75771 **Client:** ARCADIS **Immediate Client Services Action Required:** Yes

Date / Time Received: 5/13/2011 **Delivery Method:** Client **Client Service Action Required at Login:** No

Project: FORD RINGWOOD MINE/LANDFILL **No. Coolers:** 2 **Airbill #'s:**

Cooler Security

	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature

	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservatio

	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation

	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition

	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions

	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☐	☑	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

ALL ENCORE SAMPLES REC'D WITHOUT %SOL COUNTERPART.

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Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA75771

CSR: Marie Meidhof **Response Date** 5/17/2011

Response: Please relabel the 60-ml %moisture jars to the same # as the voc's; as per the sampler, the %solids jars were mislabeled with the wrong sample interval and were collected at the same interval as the volatiles.

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