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October 26, 2017

VIA EMAIL
Mr. Regan S. Williams
Ohio EPA – Division of Environmental Response & Revitalization
2110 East Aurora Avenue
Twinsburg, Ohio 44087

RE: 2017 Annual Monitoring Results
Summit National Superfund Site
Deerfield, Ohio

Dear Mr. Williams:

On behalf of the Summit National Facility Trust (SNFT), transmitted herewith is one electronic copy of Eagon & Associates, Inc.'s (Eagon) report entitled: "2017 Annual Monitoring Results, Summit National Superfund Site." As requested, two hardcopies of the report also are being sent to your office. The report presents the results of groundwater, surface water, and ditch sediment sampling activities performed in April 2017. The sampling event included the collection of groundwater samples from eight Water Table Unit (WTU) monitoring wells, including two off-site sentinel wells, and four Upper Intermediate Unit (UIU) wells. The samples were analyzed for the annual Site-specific indicator parameter list (SSIPL) of constituents specified in Eagon's October 2014 report for the May 2014 five-year monitoring event. The current SSIPL has been implemented for annual groundwater monitoring activities to be performed during 2015 through 2018.

In addition to the sampling activities completed during the event, Site-wide water levels were measured in all WTU and UIU monitoring wells and piezometers and potentiometric surface maps were prepared for each zone. The sediment and surface water samples were collected in the drainage ditch located at the southeast corner of the Site and were analyzed for the Target Compound List volatile organic compounds and semivolatile organic compounds included in Table 12.3 of the Site's November 1996 Quality Assurance Project Plan.

The April 2017 results demonstrate that no maximum contaminant levels (MCLs) were exceeded in the off-site sentinel wells; therefore, no contingency measures are necessary. Shutdown of the treatment system has not resulted in the migration of contaminants to off-site areas and the resumption of active groundwater extraction operations is not warranted. No changes are proposed for the monitoring program based on the April 2017 results and annual monitoring activities should continue for 2018. The next five-year monitoring event is scheduled to occur in 2019.

The next scheduled sampling event (annual SSIPL event) is tentatively scheduled for April 2018.

Please call me at (614) 888-5760 if you have any questions regarding this submittal.

Sincerely,

Michael T. Gibson, CPG
SNSS Project Coordinator
Associate Hydrogeologist

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2017 ANNUAL MONITORING RESULTS
SUMMIT NATIONAL SUPERFUND SITE

Prepared for:

SUMMIT NATIONAL SUPERFUND SITE
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Deerfield, Ohio 44411

Prepared by:

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Worthington, Ohio

October 2017

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INTRODUCTION

This report presents the results from the April 2017 annual monitoring event performed at the Summit National Superfund Site (SNSS; Site) in Deerfield, Ohio. The sampling event was completed April 12 and 13, 2017 by personnel from Eagon and Associates, Inc. (Eagon).

The April 2017 sampling event included the collection of groundwater samples that were analyzed for the annual monitoring program's site-specific indicator parameter list (SSIPL) specified in Eagon's October 2014 report for the May 2014 five-year monitoring event. Results from the Site's five-year monitoring events are evaluated to determine the appropriate SSIPL for the subsequent annual monitoring events to be completed between the five-year events. Ohio EPA concurred with the current SSIPL in their May 12, 2015 letter summarizing their review of the October 2014 report. Results of the April 2015 and April 2016 annual monitoring events also supported continued monitoring under the October 2014 framework.

Groundwater samples were collected from the 12 wells that make up the annual groundwater monitoring network. In addition, sediment and surface water samples were collected at the confluence of surface water conveyances along the south and east boundaries of the Site. Water levels also were measured during the event in all monitoring wells and piezometers completed in the Water Table Unit (WTU) and Upper Intermediate Unit (UIU) monitoring horizons. The locations of all monitoring wells, piezometers, and surface water and sediment sampling points are shown on Figure 1.

Laboratory analyses for the event were performed by TestAmerica Laboratories, Inc. of North Canton, Ohio (TestAmerica). The parameters pH, specific conductance, temperature, and turbidity were measured in the field by Eagon personnel.

In accordance with the May 1, 1991 Consent Decree and the Scope of Work developed by U.S. EPA, and ongoing oversight by Ohio EPA, the results from the April 2017 sampling event have been evaluated to identify any SSIPL volatile organic compound (VOC) concentrations above maximum contaminant limits (MCLs) in off-site WTU "sentinel" wells

MW-114 and MW-115. The data have also been evaluated for any significant changes that may have occurred since the five-year monitoring event in May 2014. In addition, an evaluation of hydraulic monitoring results collected during the event is presented herein.

FIELD ACTIVITIES

Water Level and Total Well Depth Measurements

Static water levels were measured at all WTU and UIU groundwater monitoring wells and piezometers on April 12, 2017, prior to initiating purging and sampling activities at any of the monitoring wells. The total depths of each monitoring well to be sampled during the event also were measured at that time. Water-level measurements were collected using a portable electric tape and were recorded to the nearest 0.01 foot (Table 1). Total-depth measurements were sounded using the same tape.

Purging and Sampling of Monitoring Wells

Monitoring well purging and sampling methods utilized during the event were in accordance with the facility's approved Quality Assurance Project Plan (QAPP) (Conestoga Rovers & Associates, July 1994, Revised November 1996, as modified per Ohio EPA correspondence dated April 28, 2010) and standard practices employed at the Site historically. Prior to sampling, at wells with sufficient recharge rates, a minimum of three standing water-column volumes within the riser casing and screen were evacuated from wells. Low-yielding wells were purged to dryness prior to sampling. The monitoring wells were purged using dedicated Waterra-brand foot valves and dedicated tubing. The methods and procedures used at each well are recorded on the Field Information Forms included in Appendix A.

Temperature, pH, and specific conductance were measured after each successive well volume was purged to monitor chemical stabilization of the purge water prior to sample collection. If field parameters had not stabilized after three well volumes had been evacuated, purging continued until parameters stabilized, five well volumes had been evacuated, or the well

was purged to dryness. A field turbidity measurement was obtained at the time of sample collection. All field measurements were recorded on Field Information Forms completed for each well (Appendix A). Once purging was complete, all purging equipment was removed from the well.

Samples typically were collected on the same day as purging and no later than 24 hours after purging. Four of the 12 wells were purged to dryness and all wells recovered sufficiently to collect complete sample sets.

Following purging, all monitoring wells were sampled using a non-dedicated stainless steel bailer that was thoroughly decontaminated before use at each well. Once sampling was complete, any dedicated purging equipment (e.g., foot valves and discharge tubing) was placed back into the wells for storage between events. The non-dedicated stainless-steel bailers were placed in capped PVC sleeves and stored on-site.

All of the purge water and water used to decontaminate the purging and sampling equipment was containerized on-site, prior to transfer to Carbon Limestone Landfill in Lowellville, Ohio for disposal.

Surface Water and Sediment Sampling

The surface water sample (S&E Ditch) was collected by directly filling the sample bottles using a trickle-fill technique ensuring that the sample was not agitated and that no preservative was flushed from the bottles. Sediment samples were collected using a stainless-steel spoon and bowl. Sediment samples for VOC analysis were collected using Terra Core® 5 gram soil cores filled directly from the stainless-steel bowl, prior to homogenizing the soil. Sediment samples for all other analyses were then homogenized within the stainless-steel bowl prior to filling the appropriate sample jars.

Decontamination Procedures

Equipment decontamination procedures were employed to prevent cross-contamination of sample water between wells. The water-level tape used to measure water levels and well depths was wiped down with a paper towel soaked with a phosphate-free detergent (Liquinox) solution, then thoroughly rinsed with distilled or deionized water between wells. The stainless steel bailers also were washed with a Liquinox solution, thoroughly rinsed with distilled or deionized water, and then wiped dry with a clean paper towel. The stainless steel bailers were stored in dedicated, capped PVC sleeves when not in use.

Sample Control and Analysis

Sample containers filled at each sample point were labeled and placed in coolers with bags of ice prior to shipment. Coolers were hand-delivered on ice to TestAmerica's laboratory in North Canton, Ohio. Each cooler contained a chain-of-custody (COC) form that included sample identifications, dates and times of sample collection, and the requested analyses. Copies of the COCs from the April 2017 event are included within the laboratory analytical reports presented in Appendices A and B. All groundwater samples were submitted to the laboratory to be analyzed for the Site's SSIPL VOCs. The surface water and sediment samples were submitted for analysis of Target Compound List (TCL) VOCs and TCL semivolatile organic compounds (SVOCs).

DATA VALIDATION

Data validation completed for the laboratory analytical results for the groundwater and S&E Ditch samples is presented in Appendix C. The groundwater analytical data were reviewed using procedures contained in the "U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review" (June 2008) and the "U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" (January 2010). The results for five analytes that were not detected in the sediment sample analyses, consistent with historical results, were rejected due to low recoveries in the

matrix spike/matrix spike duplicate samples. None of the groundwater or surface water data were rejected and the data validation confirmed that the data are suitable for use in support of the goals and objectives of the monitoring program.

GROUNDWATER QUALITY MONITORING RESULTS

Objectives

The objectives of the annual groundwater monitoring program for the Summit National Superfund Site are to characterize any changes in groundwater quality in the WTU and UIU underlying the interior affected area of the Site and in the sentinel wells downgradient of the Site. The results from the sentinel wells were evaluated using the extraction system shutdown contingency criteria established for the Site in 2010, as follows:

> *"If VOCs above their respective maximum contaminant levels (MCLs) are detected in the Sentinel wells (off-site downgradient WTU monitoring wells MW-114 and MW-115), [Summit National Facility Trust] will evaluate options to mitigate the release (e.g., restart the groundwater extraction system, implement in-situ chemical oxidation (ISCO) to treat the released groundwater, phytoremediation, etc.). The Sentinel wells are located 70 to 80 feet south of the southern property boundary and wet well of the pipe and media drain. During pumping of groundwater from the pipe and media drain, the WTU zone of groundwater capture extends 100 to 200 feet south of the pipe and media drain at the wet well. In this case, off-site downgradient WTU monitoring wells MW-116, MW-117 and MW-118 (approximately 230 feet south of the southern property boundary) will be used to verify whether there is any long term impact to the groundwater south of the Site and outside the influence of the pipe and media drain."*

Analytical Results

In accordance with the O&M Plan, QAPP, and recommendations presented in the annual event reports since 2014, the April 2017 annual groundwater monitoring event included

sampling of eight monitoring wells completed in the WTU and four wells completed in the UIU. The samples were analyzed for the SSIPL VOCs (October 2014) and the results are summarized on Table 2. The laboratory analytical report for the groundwater monitoring event is presented in Appendix A. Historic groundwater sampling results are displayed graphically in Appendix D. Electronic database files containing all historic results are maintained by Eagon & Associates, Inc. and are available upon request.

A summary of all of the SSIPL VOC results for the WTU and UIU annual event monitoring wells in 2004 and during the post-shutdown period (2009-2017) are presented on Plates 1 and 2, respectively.

Evaluation of the Sentinel Well Results

The historical SSIPL VOC results for the WTU sentinel wells (MW-114 and MW-115) are displayed graphically in Appendix D. No new VOC detections were identified in these wells and only one SSIPL VOC (cis-1,2-Dichloroethene at MW-115; 1.6 ug/L) was observed above its practical quantitation limit (PQL) in the sentinel wells during the April 2017 annual event (Table 2). The cis-1,2-Dichloroethene result is the lowest concentration observed to date at MW-115 and no MCLs were exceeded at either well. Table 3 summarizes the detections at the sentinel wells and presents a comparison with MCLs, where applicable. The April 2017 results for the off-site sentinel wells MW-114 and MW-115 confirm that the Site continues to achieve the objective of on-site containment of waste-derived constituents.

Trends in Water-Quality

The historical water-quality data collected at the Site, along with results from the April 2017 annual sampling event, are shown on time-series plots presented in Appendix D. Time-series plots of the SSIPL VOC concentrations were generated for each WTU and UIU well in the annual monitoring program. A summary of notable observations for each well is presented below.

WTU On-site Wells (MW-11, MW-107, MW-108, MW-111, and MW-113)

MW-11: Results were generally unchanged from 2016 and routinely detected constituents display overall downward concentration trends since as early as 1999. In April 2017, quantified detections were reported for 1,1,1-Trichloroethane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride (Table 2, Plate 1).

MW-107: Recent downward concentration trends continued for nine of 11 routinely detected constituents and no increasing trends were observed. In general, groundwater quality conditions at MW-107 display overall improvement since 2004. For the April 2017 event, quantified detections were reported for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,2-Dichloroethane, Benzene, Chlorobenzene, Chloroethane, cis-1,2-Dichloroethene, Ethylbenzene, Toluene, Vinyl Chloride, and Xylenes.

MW-108: Concentrations of six of the eight constituents with quantified detections in April 2017 were lower than recent results going back as far as 2007, in some cases. Concentrations for trans-1,2-Dichloroethene (5.9 ug/L) and Trichloroethene (29 ug/L) have been relatively stable since 2012 and 2009, respectively. Quantified detections were reported for 1,1,1-Trichloroetheane, 1,1-Dichloroethane, 1,2-Dichloroethane, Benzene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride.

MW-111: All four constituents with quantified detections were again below recent values: 1,1-Dichloroethane, 1,2-Dichloroethane, cis-1,2-Dichloroethene, and Vinyl Chloride.

MW-113: No SSIPL VOCs were detected in MW-113 during the event, which is consistent with historical results.

WTU Off-Site Wells (MW-4, MW-114, and MW-115)

As discussed previously, no SSIPL VOCs were detected at or above their respective PQLs in off-site WTU wells MW-4 and MW-114. At MW-115, only one quantified detection was reported: cis-1,2-Dichloroethene (1.6 ug/L). No MCLs were exceeded, no increasing trends are present, and the detection of cis-1,2-Dichloroethane at MW-115 was the lowest concentration observed at the well to date.

UIU On-Site Wells (MW-207, MW-224)

No SSIPL compounds were detected in the on-Site UIU wells sampled in April 2017, which is consistent with previous monitoring results.

UIU Off-Site Wells (MW-209, MW-220)

No quantified detections were reported for any SSIPL compounds in the two off-Site UIU wells sampled during the event.

HYDRAULIC MONITORING

Groundwater levels in the WTU and UIU monitoring wells and piezometers at the Site were measured on April 12, 2017 and are presented on Table 1. The water-level measurements were converted to groundwater elevations and the results were used to construct potentiometric surface maps for the WTU and UIU during the monitoring event. The potentiometric surfaces for the WTU and UIU are presented on Figures 2 and 3, respectively. Hydrographs also were prepared for each monitoring well and piezometer in the WTU and are presented on Figure 4 (On-Site Wells) and Figure 5 (Off-Site Wells). Figure 6 presents hydrographs for all monitoring wells and piezometers in the UIU.

The groundwater elevation contours generated from the April 2017 hydraulic monitoring data demonstrate that the direction of groundwater flow was predominantly southeasterly in the WTU, consistent with past observations. Groundwater flow in the UIU was predominantly toward the east, with minor southeasterly or northeasterly flow components in some areas, and is consistent with both the post-shutdown and the pre-shutdown groundwater flow conditions in this unit.

The hydrographs on Figures 4, 5 and 6 show that 2017 groundwater levels were similar to 2016. In addition, rising water-level trends observed since 2005 have begun to stabilize in both the WTU and UIU. In general, observed water levels were near their historic project maximums during the event. April 2017 water levels ranged from approximately 1075.2 to 1102.78 ft-MSL in the WTU wells and 1075.7 to 1096.14 ft-MSL in the UIU wells.

EXTRACTION SYSTEM SHUTDOWN EVALUATION

In the 2004 10-year groundwater evaluation (CRA, March 16, 2005), the Summit National Facility Trust (SNFT) requested permission to suspend operation of the groundwater extraction system. The request was based on the stability of on-site groundwater contaminant concentrations and the absence of an indication of adverse impacts to off-site groundwater in any of the groundwater units; including before any remedial action at the Site and during the 11 years of active groundwater pumping operations. On June 10, 2005, CRA submitted a "Work Plan for Groundwater Migration Evaluation" to Ohio EPA that included post-shutdown evaluation monitoring. The Work Plan was approved by Ohio EPA on July 18, 2005. On August 31, 2005, the groundwater extraction and treatment system was shut down, which commenced the shutdown evaluation period. Semiannual post-shutdown groundwater monitoring was conducted at the Site from February 2006 through November 2008.

A site-wide five-year monitoring event was completed in 2009 and annual SSIPL events were performed in 2010 through 2013. Another site-wide five-year monitoring event was completed in May 2014 and subsequent annual SSIPL monitoring events have continued since 2014. All post-shutdown monitoring, including the April 2017 sampling results presented

herein, have demonstrated that the cessation of pumping operations in 2005 has not resulted in detrimental impacts to groundwater quality off-site. Plates 1 and 2 present a summary of the detected SSIPL VOC concentrations for the shutdown evaluation period through April 2017 in the WTU and UIU, respectively.

Except for the anticipated increase in groundwater levels in the vicinity of the pipe and media drain after shutdown of the groundwater extraction system in August 2005, no significant changes in the groundwater flow conditions have been observed since system shutdown.

SURFACE WATER AND SEDIMENT MONITORING

Surface water and sediment samples were collected in April 2017 at the confluence of the south and east drainage ditches (Figure 1). A summary table of the results for the S&E Ditch surface water samples is presented on Table 4. Table 5 is a summary of the S&E Ditch sediment samples. The laboratory analytical data reports for the surface water and sediment analyses are provided in Appendix B.

Surface Water

The surface water results reported for the April 2017 event indicate that no TCL VOCs or SVOCs, with the exception of a low-level detection of Diethyl phthalate (2.3B ug/L), were present at concentrations at or above their respective PQLs. Diethyl phthalate also was detected in the laboratory method blank sample at a concentration of 2.41 ug/L and is interpreted to be a laboratory artifact. The results were consistent with historical results. Time-series concentration plots for VOCs detected in the surface water since 1996 are presented in Appendix E.

Sediment

The sediment samples included several polycylic aromatic hyrdocarbons (PAHs) that were detected at or above their respective PQLs, including 2-Methylnapthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo[a]anthracene, Benzo[a]pyrine, Benzo[b]flouranthene,

Benzo[g,h,i]perylene, Benzo[k]flouranthene, Chrysene, Dibenzo[a,h]anthracene, Dibenzofuran, Flouranthene, Flourene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene. The April 2017 list of detected constituents was the same as in April 2016. Detections of PAHs in the sediment samples are attributed to past coal mining activities in the area.

Table 5 shows the sediment sampling results from the April 2017 event compared with U.S. EPA Regional Screening Levels (RSLs; May 2016) for soil. As shown on the table, none of the quantified sediment concentrations, with the exception of Benzo[a]pyrene, Benzo[b]flouranthene, and Dibenz[a,h]anthracene exceeded their respective RSLs. The benzo[a]pyrene concentration of 100 ug/Kg was above the residential RSL of 16 ug/Kg and lower than the industrial RSL of 290 ug/Kg. Benzo[a]pyrene has consistently been detected between the residential and industrial RSLs and remains below the mean background soil concentration of 161 ug/Kg established in the June 1988 Record of Decision (ROD). The Benzo[b]flouranthene concentration of 190 ug/Kg was above the residential RSL of 160 ug/Kg, below the industrial RSL of 2900 ug/Kg, and remains below the mean background soil concentration of 351 ug/Kg established in the ROD. The Dibenz[a,h]anthracene concentration of 20 ug/Kg was slightly above the residential RSL of 16 ug/ Kg and lower than the industrial RSL of 290 ug/Kg. Dibenz[a,h]anthracene was typically nondetect to higher quantitation limits (33-330 ug/Kg) reported prior to 2016. With the change to TestAmerica in 2016, the PQLs have been below 10 ug/Kg. Therefore, the 2016 and 2017 detections of Dibenz[a,h]anthracene are not interpreted to represent a change in sediment quality.

No VOCs were detected in the sediment samples.

Based on the results of the surface water and sediment samples from the April 2017 sampling event, there are no significant impacts to surface water or sediment quality as the result of the Site.

INSTITUTIONAL CONTROLS – ANNUAL CERTIFICATION

SNFT received U.S. EPA's Fourth Five-Year Review Report (Report) on July 23, 2013. U.S. EPA noted in the Report that the components of the required Institutional Controls (ICs) had been implemented and all that remained was to ensure regular inspections of ICs at the Site. The implemented IC components included mapping and title work and development of an Environmental Covenant (EC). SNFT cooperated with the United States Department of Justice to appoint a receiver to execute an EC on the Vasi property that is the Site. The receiver was appointed by federal district court and the EC was executed and recorded with the Portage County Recorder on June 5, 2013. The EC, based upon Ohio's Uniform Environmental Covenants Act, further secures activity and use limitations on the Site, grants EPA and the settling defendants access to the Site for the purpose of conducting any activity related to the Decree, and specifies that such requirements shall "run with the land" and, hence, be binding upon any future owner of the Site. U.S. EPA determined that an IC Plan was not necessary.

To address the need to conduct regular inspections of ICs at the Site, SNFT responded to U.S. EPA on September 24, 2013 of its intent to monitor the effectiveness of the Site's ICs. SNFT proposed that inspections of the ICs at the Site will be conducted on a quarterly basis and initiated in October 2013. On-site ICs pertain to monitoring use of land, groundwater, and surface water, along with the Site's remedial components. Inspections, including observations regarding changes in land use, surface water or groundwater use, or any inconsistent uses of the property, are recorded on the Quarterly Institutional Controls Inspection Report and maintained on-site by the SNFT.

Through submission of this 2017 groundwater monitoring report for the annual monitoring event completed in April 2017, the SNFT certifies that the Institutional Controls are in place and effective.

CONCLUSIONS

The monitoring results from the April 2017 monitoring event at the SNSS demonstrate that there continues to be no indication of significant migration of Site constituents off-site since cessation of pump-and-treat operations in 2005. Correspondingly, evaluation of the 2010 performance criteria for continued shutdown of the groundwater extraction system shows that those conditions remain satisfied. No MCLs were exceeded in off-site sentinel wells; therefore, no contingency measures are necessary. The April 2017 monitoring results also support the continuation of the current groundwater monitoring approach for the Site.

The results for sediment and surface water samples collected at the confluence of the south and east ditches adjacent to the Site continue to show that concentrations of any detected constituents remain significantly below actionable levels.

In accordance with the contingency actions defined for the Site, if future monitoring results indicate an MCL exceedance at one of the sentinel wells, the Summit National Facility Trust will coordinate with U.S. EPA and Ohio EPA to develop appropriate response measures, which could include additional groundwater sampling (e.g., wells farther downgradient), potential resumption of the operation of the pipe and media drain system, or alternate measures to address the potential that Site constituents may be migrating away from the Site.

MONITORING SCHEDULE

Based on the evaluation of the groundwater monitoring results from the April 2017 annual monitoring event, it is recommended that groundwater level and quality monitoring continue according to the schedule provided in the 2014 (five-year) monitoring report. Therefore, annual SSIPL monitoring is proposed for 2018, as follows:

April-May 2018: Shutdown Wells - SSIPL VOCs

The "shutdown wells" to be monitored through 2018 are as follows:

1. WTU Wells:
   - On-site wells: MW-11, MW-107, MW-108, MW-111, and MW-113
   - Off-site downgradient wells: MW-4, MW-114, and MW-115

2. UIU Wells:
   - On-site wells: MW-207 and MW-224
   - Off-site downgradient wells: MW-209 and MW-220

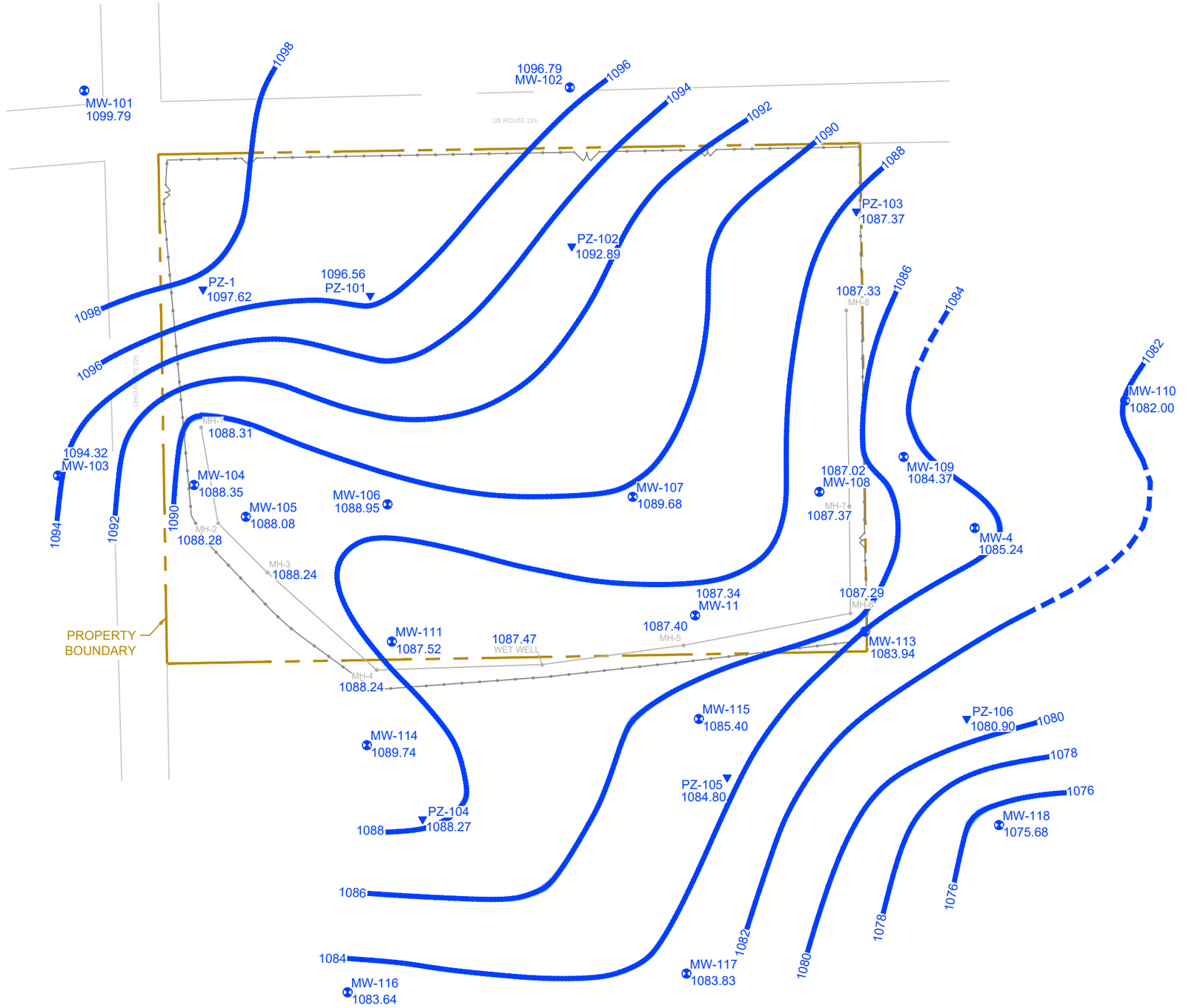
In addition, as required by the Consent Decree, a surface water and sediment sample will be collected from the confluence of the south and east drainage ditches annually, and will be analyzed for TCL VOCs and TCL SVOCs.

The next five-year sampling event will be performed in accordance with the October 2014 report for the May 2014 monitoring event and is scheduled for spring 2019.

FIGURES

Compiled by: MAM	Figure Title: Figure 1. Site Map
Created by: MAM	Project Title: SUMMIT NATIONAL SUPERFUND SITE
Checked By: ADG	Prepared By: EAGON & ASSOCIATES, INC.
Approved By: MTG	Figure: 1
Date: 6/27/2017	

Document Path: F:\ARCGIS\Summit National\SummitFigures\TableRecreate\SUMMITNATIFigures\Summit_Figures_1_SiteMap-REV2.mxd



LEGEND

- MONITORING WELL
- PIEZOMETER
- MEDIA DRAIN MANHOLES
- 1090 GROUNDWATER ELEVATION CONTOUR

SCALE IN FEET

0 125 250

COMPILED BY: NAK/SNB	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE WATER TABLE UNIT, APRIL 12, 2017
DRAFTED BY: RPH	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 2
DATE: 4/12/2017	

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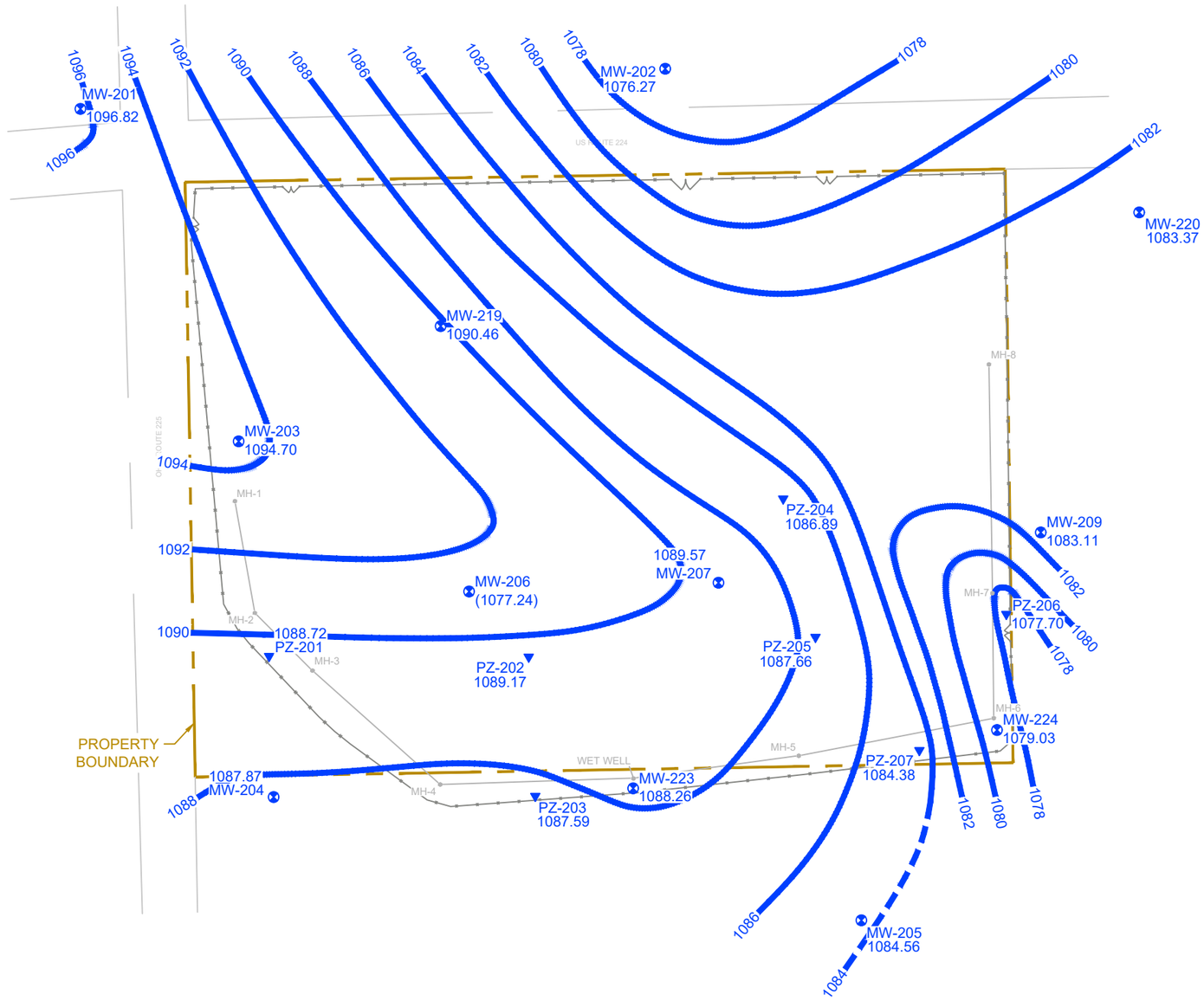

LEGEND

- MONITORING WELL
- PIEZOMETER
- MEDIA DRAIN MANHOLES

1090 — GROUNDWATER ELEVATION CONTOUR

(1077.10) — WATER LEVEL NOT USED FOR CONTOURING

SCALE IN FEET

0 125 250

COMPILED BY: NAK/SNB	FIGURE TITLE: POTENTIOMETRIC SURFACE OF THE UPPER INTERMEDIATE UNIT, APRIL 12, 2017
DRAFTED BY: RPH	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 3
DATE: 4/12/2017	

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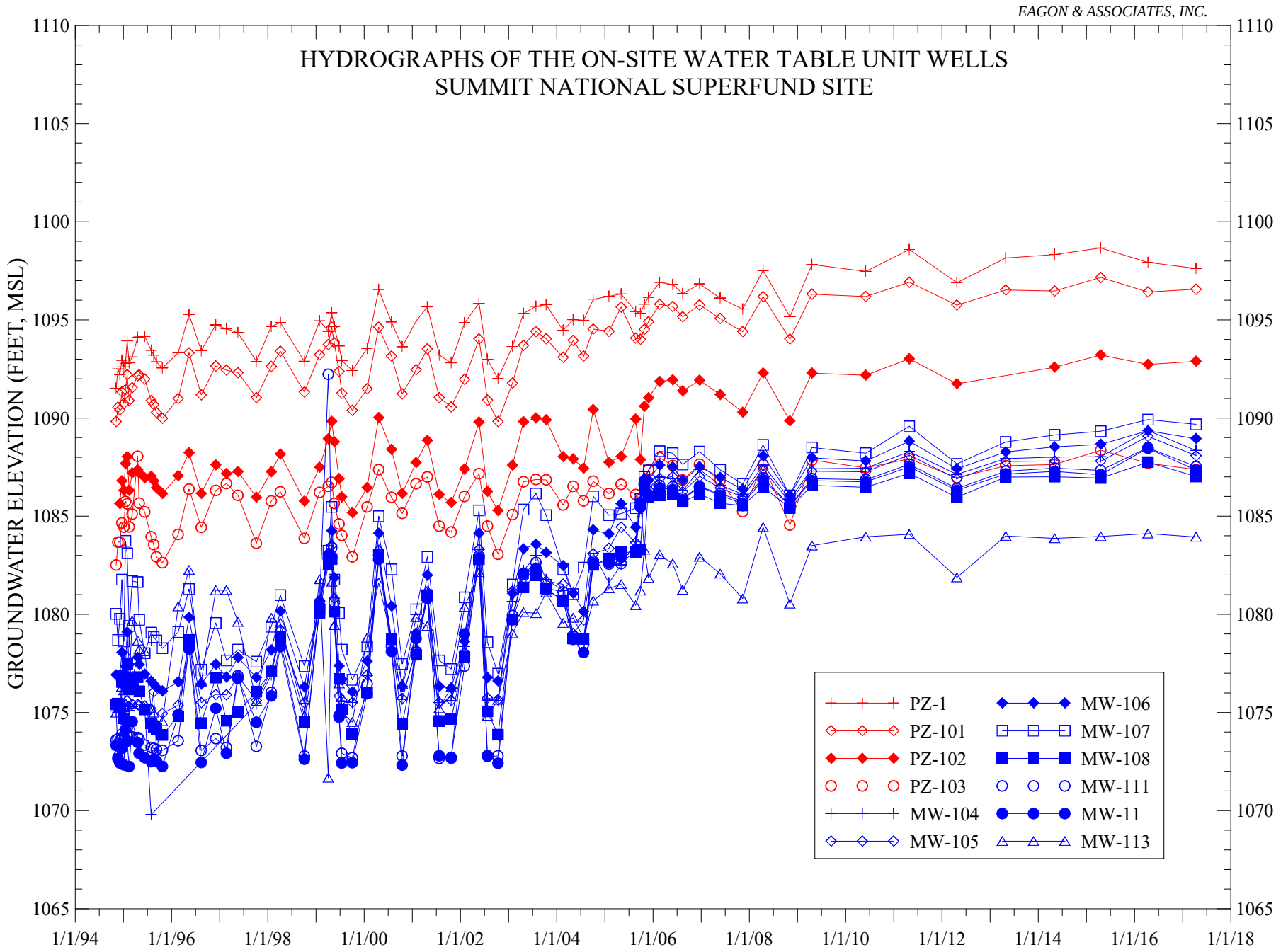
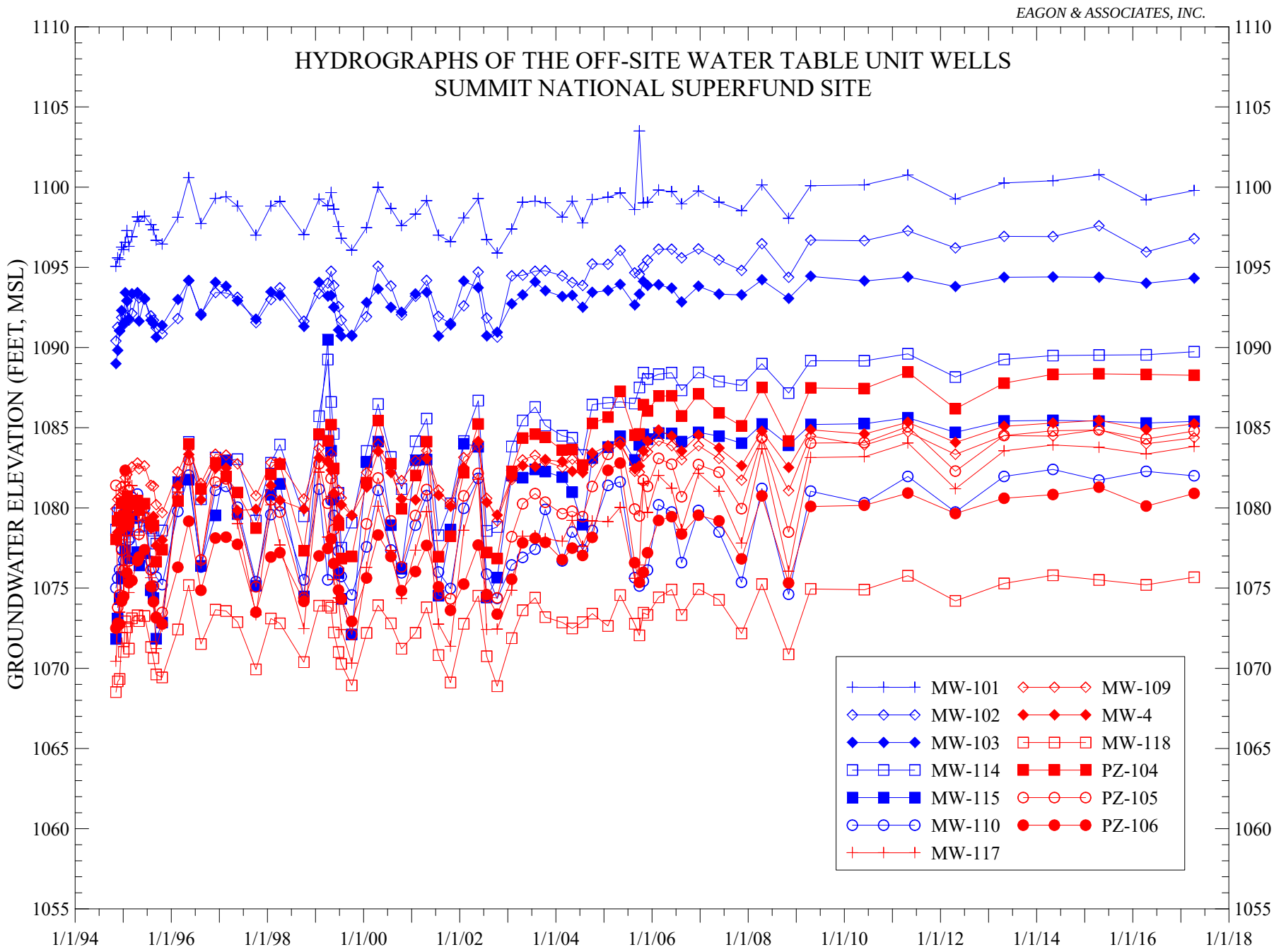


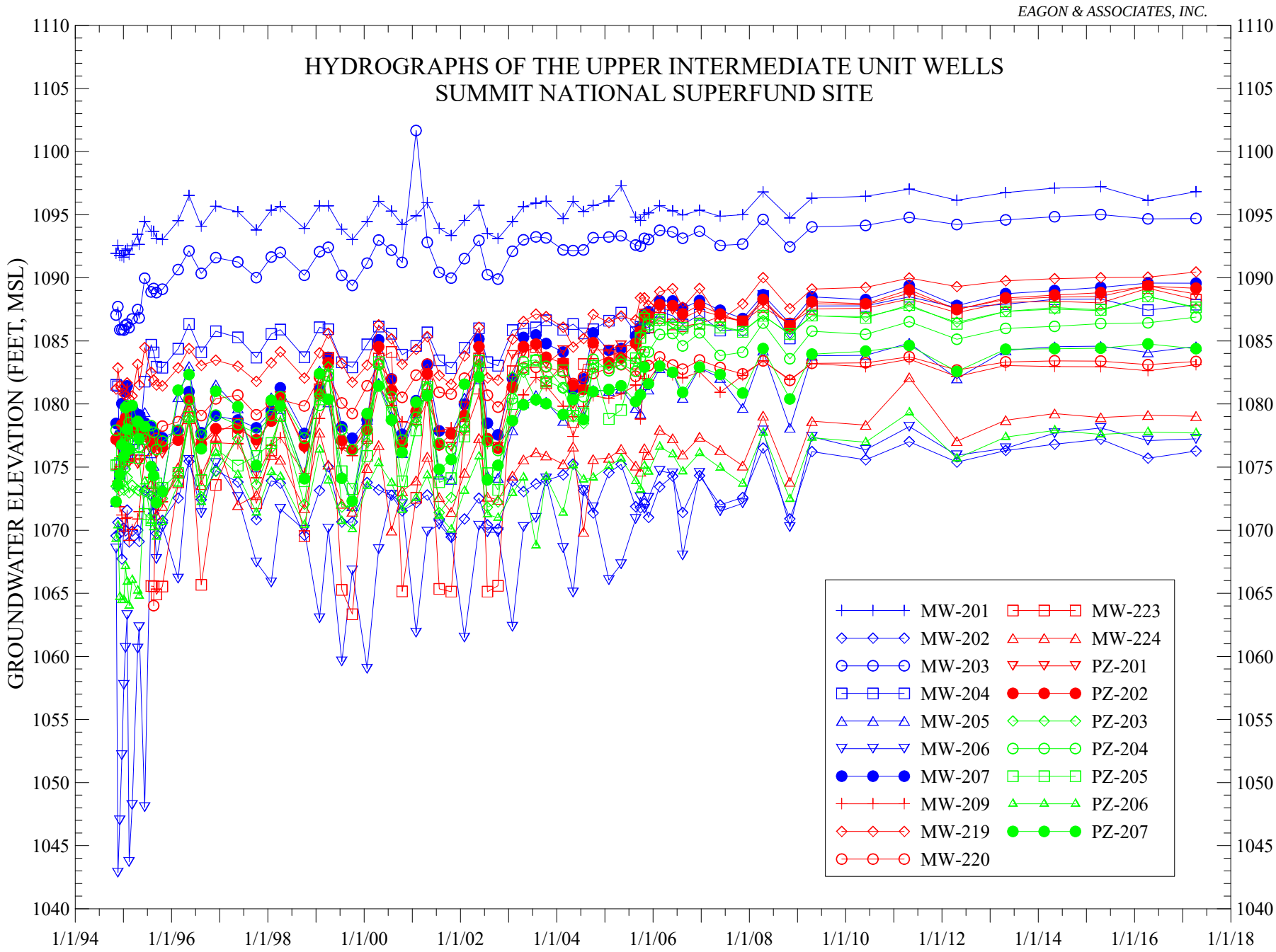
WTUhydsOnSite.GRF
10/5/17

FIGURE 4.



WTUhydsOffSite.GRF
10/5/17

FIGURE 5.



UIUhyds.GRF
10/5/17

FIGURE 6.

TABLES

TABLE 1. SUMMARY OF WATER-LEVEL MEASUREMENTS
SUMMIT NATIONAL SUPERFUND SITE
APRIL 12, 2017

Well Number	Measuring Point Elevation (ft., MSL)	Time (24:00)	Depth to Water (feet)	Water Level Elevation (ft., MSL)	Total Well Depth (ft., TOC)	Comments
Water Table Unit (WTU) Monitoring Wells and Piezometers						
MW-4	1091.09	1056	5.85	1085.24	24.57	
MW-11	1095.93	0950	8.59	1087.34	26.42	
MW-101	1107.57	1018	7.78	1099.79	--	
MW-102	1100.17	1023	3.38	1096.79	--	
MW-103	1096.22	1011	1.90	1094.32	--	
MW-104	1099.81	1003	11.46	1088.35	--	
MW-105	1101.32	0959	13.24	1088.08	--	
MW-106	1102.88	1016	13.93	1088.95	--	
MW-107	1098.27	1029	8.59	1089.68	31.00	
MW-108	1091.96	0918	4.94	1087.02	18.45	
MW-109	1087.42	1049	3.05	1084.37	--	
MW-110	1086.87	1047	4.87	1082.00	--	
MW-111	1099.67	0950	12.15	1087.52	29.32	
MW-113	1088.46	0926	4.52	1083.94	16.45	
MW-114	1097.27	1003	7.53	1089.74	21.39	
MW-115	1101.83	0947	16.43	1085.40	40.98	
MW-116	1105.54	0939	21.90	1083.64	--	
MW-117	1123.97	0943	40.14	1083.83	--	
MW-118	1098.38	1050	22.70	1075.68	--	
PZ-1	1104.43	1009	6.81	1097.62	--	
PZ-101	1108.53	1011	11.97	1096.56	--	
PZ-102	1100.21	1041	7.32	1092.89	--	
PZ-103	1093.98	0910	6.61	1087.37	--	
PZ-104	1097.54	1000	9.27	1088.27	--	
PZ-105	1101.60	0955	16.80	1084.80	--	
PZ-106	1102.23	1054	21.33	1080.90	--	

TABLE 1. SUMMARY OF WATER-LEVEL MEASUREMENTS
SUMMIT NATIONAL SUPERFUND SITE
APRIL 12, 2017

Well Number	Measuring Point Elevation (ft., MSL)	Time (24:00)	Depth to Water (feet)	Water Level Elevation (ft., MSL)	Total Well Depth (ft., TOC)	Comments
Water Table Unit Media Drain Manholes						
MH-1	1102.78	1005	14.47	1088.31	--	
MH-2	1101.04	1001	12.76	1088.28	--	
MH-3	1100.95	0955	12.71	1088.24	--	
MH-4	1100.05	0952	11.81	1088.24	--	
MH-5	1095.68	0941	8.28	1087.40	--	
MH-6	1088.64	0926	1.35	1087.29	--	
MH-7	1089.29	0921	1.92	1087.37	--	
MH-8	1089.23	0916	1.90	1087.33	--	
Wet Well	1098.86	0944	11.39	1087.47	--	
Upper Intermediate Unit (UIU) Monitoring Wells and Piezometers						
MW-201	1107.52	1015	10.70	1096.82	--	
MW-202	1099.50	1025	23.23	1076.27	--	
MW-203	1103.35	1007	8.65	1094.70	--	
MW-204	1098.01	1007	10.14	1087.87	--	
MW-205	1100.90	0952	16.34	1084.56	--	
MW-206	1103.22	1019	25.98	1077.24	--	
MW-207	1098.51	1025	8.94	1089.57	49.84	
MW-209	1087.66	1052	4.55	1083.11	37.70	
MW-219	1108.24	1013	17.78	1090.46	--	
MW-220	1090.92	1029	7.55	1083.37	38.65	
MW-223	1098.37	0945	10.11	1088.26	--	
MW-224	1089.41	0929	10.38	1079.03	36.62	
PZ-201	1099.74	0957	11.02	1088.72	--	
PZ-202	1101.56	1021	12.39	1089.17	--	
PZ-203	1098.31	0948	10.72	1087.59	--	
PZ-204	1095.41	1038	8.52	1086.89	--	
PZ-205	1096.63	1031	8.97	1087.66	--	
PZ-206	1088.05	0924	10.35	1077.70	--	
PZ-207	1091.36	0935	6.98	1084.38	--	

TABLE 2.
WATER-QUALITY DATA SUMMARY, APRIL 2017
GROUNDWATER MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE

Parameter	MW-4 4/13/2017	MW-11 4/12/2017	MW-107 4/13/2017	MW-107 (DUP) 4/13/2017	MW-108 4/12/2017	MW-108 (DUP) 4/12/2017	MW-111 4/12/2017	MW-113 4/13/2017	MW-114 4/13/2017	MW-115 4/13/2017	MW-207 4/12/2017	MW-209 4/13/2017	MW-220 4/13/2017	MW-224 4/12/2017	Rinse Blank #1	Rinse Blank #2	Trip Blank
	Water Table Unit Wells										Upper Intermediate Unit Wells				QA/QC Samples		
1,1,1-Trichloroethane	< 1	**14**	**11**	**11**	**3**	**3.5**	0.67 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	**54**	**1100**	**1200**	**260**	**270**	**19**	< 1	< 1	0.64 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	1.2 J	**55**	**50**	**59**	**51**	**73**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acetone	< 10	< 25	< 63	< 63	< 10	< 10	< 25	< 10	2.7 J	< 10	< 10	5.6 J	4.1 J	< 10	< 10	< 10	< 10
Benzene	< 1	< 2.5	**76**	**73**	**110**	**110**	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 2.5	**42**	**40**	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 1	< 2.5	**56**	**56**	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	**27**	**11**	**11**	**180**	**190**	**4.4**	< 1	< 1	**1.6**	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	< 1	< 2.5	**990**	**970**	0.30 J	0.28 J	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 2.5	**1800**	**1800**	0.74 J	0.72 J	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	< 1	0.91 J	< 6.3	< 6.3	**5.9**	**6**	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	< 1	**42**	< 6.3	< 6.3	**29**	**31**	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	< 1	**4**	**17**	**19**	**82**	**86**	**4.9**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylene (total)	< 2	< 5	**3200**	**3300**	< 2	< 2	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

All results in ug/L

Bold - Quantified Results

J = Estimated result less than practical quantitation limit and greater than method detection limit.

TABLE 3.
COMPARISON OF VOC DETECTIONS WITH MCLs
WATER TABLE UNIT SENTINEL WELLS
APRIL 2017 GROUNDWATER MONITORING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Well ID	Parameter	Units	April 2017 Result	MCL	Exceeds MCL (Yes/No)
Sentinel Wells (WTU)					
MW-114	Acetone	ug/l	2.7 J	--	NA
MW-115	1,1-Dichloroethane	ug/l	0.64 J	--	NA
MW-115	cis-1,2-Dichloroethene	ug/l	1.6	70	No

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2017
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/13/2017	Surface Water (DUP) 4/13/2017	RPD[1]	Field Blank	Trip Blank
Volatile Organic Compounds					
1,1,1-Trichloroethane	< 1	< 1	NC[2]	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	NC[2]	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	NC[2]	< 1	< 1
1,1-Dichloroethane	< 1	< 1	NC[2]	< 1	< 1
1,1-Dichloroethene	< 1	< 1	NC[2]	< 1	< 1
1,2-Dichloroethane	< 1	< 1	NC[2]	< 1	< 1
1,2-Dichloroethene (total)	1.6 J	1.6 J	0%	< 2	< 2
1,2-Dichloropropane	< 1	< 1	NC[2]	< 1	< 1
2-Butanone (MEK)	< 10	< 10	NC[2]	< 10	< 10
2-Hexanone	< 10	< 10	NC[2]	< 10	< 10
4-Methyl-2-pentanone(MIBK)	< 10	< 10	NC[2]	< 10	< 10
Acetone	< 10	< 10	NC[2]	< 10	< 10
Benzene	< 1	< 1	NC[2]	< 1	< 1
Bromodichloromethane	< 1	< 1	NC[2]	< 1	< 1
Bromoform	< 1	< 1	NC[2]	< 1	< 1
Bromomethane	< 1	< 1	NC[2]	< 1	< 1
Carbon disulfide	< 1	< 1	NC[2]	< 1	< 1
Carbon tetrachloride	< 1	< 1	NC[2]	< 1	< 1
Chlorobenzene	< 1	< 1	NC[2]	< 1	< 1
Chloroethane	< 1	< 1	NC[2]	< 1	< 1
Chloroform	< 1	< 1	NC[2]	< 1	< 1
Chloromethane	< 1	< 1	NC[2]	< 1	< 1
cis-1,3-Dichloropropene	< 1	< 1	NC[2]	< 1	< 1
Dibromochloromethane	< 1	< 1	NC[2]	< 1	< 1
Ethylbenzene	< 1	< 1	NC[2]	< 1	< 1
Methylene chloride	< 1	< 1	NC[2]	< 1	< 1
Styrene	< 1	< 1	NC[2]	< 1	< 1
Tetrachloroethene	< 1	< 1	NC[2]	< 1	< 1
Toluene	< 1	< 1	NC[2]	< 1	< 1
trans-1,3-Dichloropropene	< 1	< 1	NC[2]	< 1	< 1
Trichloroethene	0.36 J	0.35 J	2.8%	< 1	< 1
Vinyl chloride	< 1	< 1	NC[2]	< 1	< 1
Xylene (total)	< 2	< 2	NC[2]	< 2	< 2

All results in ug/L

[1] RPD - Relative Percent Difference

[2] NC - Not Calculable

J = Estimated result less than practical quantitation limit and greater than method detection limit.

B = Compound was also detected in the Method Blank sample

Bold - Quantified Result

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2017
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/13/2017	Surface Water (DUP) 4/13/2017	RPD[1]	Field Blank
Semi-Volatile Organic Compounds				
1,2,4-Trichlorobenzene	**0.95**	< 0.89	NC[2]	< 0.89
1,2-Dichlorobenzene	0.23 J	< 0.89	NC[2]	< 0.89
1,3-Dichlorobenzene	< 0.89	< 0.89	NC[2]	< 0.89
1,4-Dichlorobenzene	< 0.89	< 0.89	NC[2]	< 0.89
2,2'-oxybis[1-chloropropane]	< 0.89	< 0.89	NC[2]	< 0.89
2,4,5-Trichlorophenol	< 4.5	< 4.5	NC[2]	< 4.5
2,4,6-Trichlorophenol	< 4.5	< 4.5	NC[2]	< 4.5
2,4-Dichlorophenol	< 1.8	< 1.8	NC[2]	< 1.8
2,4-Dimethylphenol	< 1.8	< 1.8	NC[2]	< 1.8
2,4-Dinitrophenol	< 36	< 36	NC[2]	< 36
2,4-Dinitrotoluene	< 4.5	< 4.5	NC[2]	< 4.5
2,6-Dinitrotoluene	< 4.5	< 4.5	NC[2]	< 4.5
2-Chloronaphthalene	< 0.89	< 0.89	NC[2]	< 0.89
2-Chlorophenol	< 0.89	< 0.89	NC[2]	< 0.89
2-Methylnaphthalene	< 0.18	< 0.18	NC[2]	< 0.18
2-Methylphenol	< 0.89	< 0.89	NC[2]	< 0.89
2-Nitroaniline	< 1.8	< 1.8	NC[2]	< 1.8
2-Nitrophenol	< 1.8	< 1.8	NC[2]	< 1.8
3&4-Methylphenol	< 1.8	< 1.8	NC[2]	< 1.8
3,3'-Dichlorobenzidine	< 4.5	< 4.5	NC[2]	< 4.5
3-Nitroaniline	< 1.8	< 1.8	NC[2]	< 1.8
4,6-Dinitro-2-methylphenol	< 4.5	< 4.5	NC[2]	< 4.5
4-Bromophenyl phenyl ether	< 1.8	< 1.8	NC[2]	< 1.8
4-Chloro-3-methyl phenol	< 1.8	< 1.8	NC[2]	< 1.8
4-Chloroaniline	< 1.8	< 1.8	NC[2]	< 1.8
4-Chlorophenyl phenyl ether	< 1.8	< 1.8	NC[2]	< 1.8
4-Nitroaniline	< 1.8	< 1.8	NC[2]	< 1.8
4-Nitrophenol	< 4.5	< 4.5	NC[2]	< 4.5
Acenaphthene	< 0.18	< 0.18	NC[2]	< 0.18
Acenaphthylene	< 0.18	< 0.18	NC[2]	< 0.18
Anthracene	< 0.18	< 0.18	NC[2]	< 0.18
Benzo(a)anthracene	< 0.18	< 0.18	NC[2]	< 0.18
Benzo(a)pyrene	< 0.18	< 0.18	NC[2]	< 0.18
Benzo(b)fluoranthene	< 0.18	< 0.18	NC[2]	< 0.18
Benzo(g,h,i)perylene	< 0.18	< 0.18	NC[2]	< 0.18
Benzo(k)fluoranthene	< 0.18	< 0.18	NC[2]	< 0.18
bis(2-Chloroethoxy)methane	< 0.89	< 0.89	NC[2]	< 0.89
bis(2-Chloroethyl)ether	< 0.89	< 0.89	NC[2]	< 0.89
bis(2-ethylhexyl)phthalate	3 JB	1.4 JB	72.7%	< 4.5

All results in ug/L
[1] RPD - Relative Percent Difference
[2] NC - Not Calculable
J = Estimated result less than practical quantitation limit and greater than method detection limit.
B = Compound was also detected in the Method Blank sample
Bold - Quantified Result

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2017
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/13/2017	Surface Water (DUP) 4/13/2017	RPD[1]	Field Blank
Semi-Volatile Organic Compounds (Continued)				
Butyl benzyl phthalate	< 1.8	< 1.8	NC[2]	< 1.8
Carbazole	< 0.89	< 0.89	NC[2]	< 0.89
Chrysene	< 0.18	< 0.18	NC[2]	< 0.18
Dibenzo(a,h)anthracene	< 0.18	< 0.18	NC[2]	< 0.18
Dibenzofuran	< 0.89	< 0.89	NC[2]	< 0.89
Diethyl phthalate	2.3 B	2.4 B	4%	2.3 B
Dimethyl phthalate	< 1.8	< 1.8	NC[2]	< 1.8
Di-n-butyl phthalate	1.1 JB	0.78 JB	34.0%	0.75 J
Di-n-octyl phthalate	< 1.8	< 1.8	NC[2]	< 1.8
Fluoranthene	< 0.18	< 0.18	NC[2]	< 0.18
Fluorene	< 0.18	< 0.18	NC[2]	< 0.18
Hexachlorobenzene	< 0.89	< 0.89	NC[2]	< 0.89
Hexachlorobutadiene	< 0.89	< 0.89	NC[2]	< 0.89
Hexachlorocyclopentadiene	< 8.9	< 8.9	NC[2]	< 8.9
Hexachloroethane	< 0.89	< 0.89	NC[2]	< 0.89
Indeno(1,2,3-cd)pyrene	< 0.18	< 0.18	NC[2]	< 0.18
Isophorone	< 0.89	< 0.89	NC[2]	< 0.89
Naphthalene	< 0.18	< 0.18	NC[2]	< 0.18
Nitrobenzene	< 0.89	< 0.89	NC[2]	< 0.89
N-Nitroso-di-n-propylamine	< 0.89	< 0.89	NC[2]	< 0.89
N-Nitrosodiphenylamine	< 0.89	< 0.89	NC[2]	< 0.89
Pentachlorophenol	< 36	< 36	NC[2]	< 36
Phenanthrene	< 0.18	< 0.18	NC[2]	< 0.18
Phenol	< 0.89	< 0.89	NC[2]	< 0.89
Pyrene	< 0.18	< 0.18	NC[2]	< 0.18

All results in ug/L

[1] RPD - Relative Percent Difference

[2] NC - Not Calculable

J = Estimated result less than practical quantitation limit and greater than method detection limit.

B = Compound was also detected in the Method Blank sample

Bold - Quantified Result

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2017
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/13/2017	S&E Ditch Sediment (DUP) 4/13/2017	RPD[1]	Rinsate Blank	Trip Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Volatile Organic Compounds							
1,1,1-Trichloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	8100000	36000000
1,1,2,2-Tetrachloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	600	2700
1,1,2-Trichloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	1100	5000
1,1-Dichloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	3600	16000
1,1-Dichloroethene	< 6.9	< 5.6	NC[3]	< 1	< 1	230000	1000000
1,2-Dichloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	460	2000
1,2-Dichloroethene (total)	< 14	< 11	NC[3]	< 2	< 2	--	--
1,2-Dichloropropane	< 6.9	< 5.6	NC[3]	< 1	< 1	1000	4400
2-Butanone (MEK)	< 28	< 22	NC[3]	< 10	< 10	27000000	190000000
2-Hexanone	< 28	< 22	NC[3]	< 10	< 10	200000	1300000
4-Methyl-2-pentanone(MIBK)	< 28	< 22	NC[3]	< 10	< 10	33000000	140000000
Acetone	< 28	< 22	NC[3]	< 10	< 10	61000000	670000000
Benzene	< 6.9	< 5.6	NC[3]	< 1	< 1	1200	5100
Bromodichloromethane	< 6.9	< 5.6	NC[3]	< 1	< 1	290	1300
Bromoform	< 6.9	< 5.6	NC[3]	< 1	< 1	19000	86000
Bromomethane	< 6.9	< 5.6	NC[3]	< 1	< 1	6800	30000
Carbon disulfide	< 6.9	< 5.6	NC[3]	< 1	< 1	770000	3500000
Carbon tetrachloride	< 6.9	< 5.6	NC[3]	< 1	< 1	650	2900
Chlorobenzene	< 6.9	< 5.6	NC[3]	< 1	< 1	280000	1300000
Chloroethane	< 6.9	< 5.6	NC[3]	< 1	< 1	14000000	57000000
Chloroform	0.32 J	< 5.6	NC[3]	< 1	< 1	320	1400
Chloromethane	< 6.9	< 5.6	NC[3]	< 1	< 1	110000	460000
cis-1,3-Dichloropropene	< 6.9	< 5.6	NC[3]	< 1	< 1	--	--
Dibromochloromethane	< 6.9	< 5.6	NC[3]	< 1	< 1	8300	39000
Ethylbenzene	< 6.9	< 5.6	NC[3]	< 1	< 1	5800	25000
Methylene chloride	< 6.9	< 5.6	NC[3]	< 1	< 1	57000	1000000
Styrene	< 6.9	< 5.6	NC[3]	< 1	< 1	6000000	35000000
Tetrachloroethene	< 6.9	< 5.6	NC[3]	< 1	< 1	24000	100000
Toluene	< 6.9	< 5.6	NC[3]	< 1	< 1	4900000	47000000
trans-1,3-Dichloropropene	< 6.9	< 5.6	NC[3]	< 1	< 1	--	--
Trichloroethene	< 6.9	< 5.6	NC[3]	< 1	< 1	940	6000
Vinyl chloride	< 6.9	< 5.6	NC[3]	< 1	< 1	59	1700
Xylene (total)	< 14	< 11	NC[3]	< 2	< 2	580000	2500000

All values in ug/Kg, except Rinsate Blank and Trip Blank (ug/L)

[1] RPD - Relative Percent Difference

[2] USEPA, Region 9, Regional Screening Levels (RSL); May 2016 (revised); THQ = 1.0

[3] NC - Not Calculable

Bold - Quantified Result

J = Estimated result less than practical quantitation limit and greater than method detection limit.

R = Rejected value based on data validation results

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2017
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/13/2017	S&E Ditch Sediment (DUP) 4/13/2017	RPD[1]	Rinsate Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Semi-Volatile Organic Compounds						
1,2,4-Trichlorobenzene	< 72	< 73	NC[3]	< 0.89	24000	110000
1,2-Dichlorobenzene	< 72	< 73	NC[3]	< 0.89	1800000	9300000
1,3-Dichlorobenzene	< 72	< 73	NC[3]	< 0.89	--	--
1,4-Dichlorobenzene	< 72	< 73	NC[3]	< 0.89	2600	11000
2,2'-oxybis[1-chloropropane]	< 140	< 150	NC[3]	< 0.89	3100000	47000000
2,4,5-Trichlorophenol	< 220	< 220	NC[3]	< 4.5	6300000	82000000
2,4,6-Trichlorophenol	< 220	< 220	NC[3]	< 4.5	49000	210000
2,4-Dichlorophenol	< 220	< 220	NC[3]	< 1.8	190000	2500000
2,4-Dimethylphenol	< 220	< 220	NC[3]	< 1.8	1300000	16000000
2,4-Dinitrophenol	< 470	< 480	NC[3]	< 36	130000	1600000
2,4-Dinitrotoluene	< 290	< 290	NC[3]	< 4.5	1700	7400
2,6-Dinitrotoluene	< 290	< 290	NC[3]	< 4.5	360	1500
2-Chloronaphthalene	< 72	< 73	NC[3]	< 0.89	4800000	60000000
2-Chlorophenol	< 72	< 73	NC[3]	< 0.89	390000	5800000
2-Methylnaphthalene	**1200**	**1100**	9%	< 0.18	240000	3000000
2-Methylphenol	< 290	< 290	NC[3]	< 0.89	3200000	41000000
2-Nitroaniline	< 290	< 290	NC[3]	< 1.8	630000	8000000
2-Nitrophenol	< 72	< 73	NC[3]	< 1.8	--	--
3&4-Methylphenol	< 570	< 590	NC[3]	< 1.8	6300000	82000000
3,3'-Dichlorobenzidine	< 140 R	< 150 R	NC[3]	< 4.5	1200	5100
3-Nitroaniline	< 290 R	< 290 R	NC[3]	< 1.8	--	--
4,6-Dinitro-2-methylphenol	< 220	< 220	NC[3]	< 4.5	5100	66000
4-Bromophenyl phenyl ether	< 72	< 73	NC[3]	< 1.8	--	--
4-Chloro-3-methyl phenol	< 220	< 220	NC[3]	< 1.8	6300000	82000000
4-Chloroaniline	< 220 R	< 220 R	NC[3]	< 1.8	2700	11000
4-Chlorophenyl phenyl ether	< 72	< 73	NC[3]	< 1.8	--	--
4-Nitroaniline	< 290 R	< 290 R	NC[3]	< 1.8	27000	110000
4-Nitrophenol	< 470	< 480	NC[3]	< 4.5	--	--
Acenaphthene	**26**	**20**	26%	< 0.18	3600000	45000000
Acenaphthylene	**18**	**15**	18%	< 0.18	--	--
Anthracene	**21**	**16**	27%	< 0.18	18000000	230000000
Benzo(a)anthracene	**80**	**67**	18%	< 0.18	160	2900
Benzo(a)pyrene	**100**	**87**	14%	< 0.18	16	290
Benzo(b)fluoranthene	**190**	**170**	11%	< 0.18	160	2900
Benzo(g,h,i)perylene	**240**	**250**	4%	< 0.18	--	--
Benzo(k)fluoranthene	**46**	**41**	11%	< 0.18	1600	29000
bis(2-Chloroethoxy)methane	< 140	< 150	NC[3]	< 0.89	190000	2500000
bis(2-Chloroethyl)ether	< 140	< 150	NC[3]	< 0.89	230	1000
bis(2-ethylhexyl)phthalate	< 100	< 100	NC[3]	1.6 J	39000	160000

All values in ug/Kg, except Rinsate Blank (ug/L)

[1] RPD - Relative Percent Difference

[2] USEPA, Region 9, Regional Screening Levels (RSL); May 2016 (revised); THQ = 1.0

[3] NC - Not Calculable

Bold - Quantified Result

J = Estimated result less than practical quantitation limit and greater than method detection limit.

R = Rejected value based on data validation results

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2017
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/13/2017	S&E Ditch Sediment (DUP) 4/13/2017	RPD[1]	Rinsate Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Semi-Volatile Organic Compounds (Continued)						
Butyl benzyl phthalate	< 100	< 100	NC[3]	< 1.8	290000	1200000
Carbazole	40 J	< 73	NC[3]	< 0.89	--	--
Chrysene	**150**	**120**	22%	< 0.18	16000	290000
Dibenz(a,h)anthracene	**20**	**27**	30%	< 0.18	16	290
Dibenzofuran	**260**	**190**	31%	< 0.89	73000	1000000
Diethyl phthalate	< 100	< 100	NC[3]	1.5 J	51000000	660000000
Dimethyl phthalate	< 100	< 100	NC[3]	< 1.8	--	--
Di-n-butyl phthalate	< 100	< 100	NC[3]	1.1 J	6300000	82000000
Di-n-octyl phthalate	< 100	< 100	NC[3]	< 1.8	630000	8200000
Fluoranthene	**180**	**140**	25%	< 0.18	2400000	30000000
Fluorene	**37**	**28**	28%	< 0.18	2400000	30000000
Hexachlorobenzene	< 9.6	< 9.8	NC[3]	< 0.89	210	960
Hexachlorobutadiene	< 72	< 73	NC[3]	< 0.89	1200	5300
Hexachlorocyclopentadiene	< 470 R	< 480 R	NC[3]	< 8.9	1800	7500
Hexachloroethane	< 72	< 73	NC[3]	< 0.89	1800	8000
Indeno(1,2,3-cd)pyrene	**62**	**64**	3%	< 0.18	160	2900
Isophorone	< 72	< 73	NC[3]	< 0.89	570000	2400000
Naphthalene	**870**	**650**	29%	< 0.18	3800	17000
Nitrobenzene	< 140	< 150	NC[3]	< 0.89	5100	22000
N-Nitroso-di-n-propylamine	< 72	< 73	NC[3]	< 0.89	78	330
N-Nitrosodiphenylamine	< 72	< 73	NC[3]	< 0.89	110000	470000
Pentachlorophenol	< 220	< 220	NC[3]	< 36	1000	4000
Phenanthrene	**640**	**540**	17%	< 0.18	--	--
Phenol	< 72	< 73	NC[3]	< 0.89	19000000	250000000
Pyrene	**190**	**170**	11%	< 0.18	1800000	23000000

All values in ug/Kg, except Rinsate Blank (ug/L)

[1] RPD - Relative Percent Difference

[2] USEPA, Region 9, Regional Screening Levels (RSL); May 2016 (revised); THQ = 1.0

[3] NC - Not Calculable

Bold - Quantified Result

J = Estimated result less than practical quantitation limit and greater than method detection limit.

R = Rejected value based on data validation results

APPENDIX A.

LABORATORY ANALYTICAL REPORT AND FIELD FORMS APRIL 2017 GROUNDWATER QUALITY MONITORING EVENT

SAMPLE IDENTIFICATION SUMMARY
APRIL 2017 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Sample ID	Sample Name	Lab ID
Investigative Samples (GW)		
MW-4	GW-041317-NK-010	240-78061-11
MW-11	GW-041217-NK-002	240-78061-2
MW-107	GW-041317-NK-014	240-78061-15
MW-108	GW-041217-NK-004	240-78061-4
MW-111	GW-041217-NK-001	240-78061-1
MW-113	GW-041317-NK-009	240-78061-10
MW-114	GW-041317-NK-013	240-78061-14
MW-115	GW-041317-NK-012	240-78061-13
MW-207	GW-041217-NK-003	240-78061-3
MW-209	GW-041317-NK-011	240-78061-12
MW-220	GW-041317-NK-008	240-78061-9
MW-224	GW-041217-NK-006	240-78061-6
QA/QC Samples (GW)		
Duplicate #1 (MW-108)	GW-04217-NK-005	240-78061-5
Duplicate #2 (MW-107)	GW-04317-NK-015	240-78061-16
MS (MW-224)	GW-04217-NK-006-MS	240-78061-6MS
MSD (MW-224)	GW-04217-NK-006-MSD	240-78061-6MSD
Rinse Blank #1	RB-04217-NK-007	240-78061-7
Rinse Blank #2	RB-0417-NK-016	240-78061-17
Purge/Decon Water	Purge/Decon Water	240-78067-1
Investigative Sample (Ditch)		
S&E Ditch Sediment	SD-041317-AG-020	240-78064-1
QA/QC Samples (Ditch)		
S&E Ditch Sediment (DUP)	SD-041317-AG-021	240-78064-2
S&E Ditch Sediment (RB)	RB-041317-AG-022	240-78064-3
S&E Ditch Sediment (MS)	SD-041317-AG-020MS	240-78064-1MS
S&E Ditch Sediment (MSD)	SD-041317-AG-020MSD	240-78064-1MSD
Investigative Sample (Surface Water)		
Surface Water	SW-041317-AG-017	240-78061-19
QA/QC Samples (Surface Water)		
Surface Water (DUP)	SW-041317-AG-018	240-78061-20
Surface Water (FB)	FB-041317-AG-019	240-78061-21
Surface Water (MS)	SW-041317-AG-017MS	240-78061-19MS
Surface Water (MSD)	SW-041317-AG-017MSD	240-78061-19MSD

Notes:

DUP - Duplicate; RB - Rinse Blank; FB - Field Blank; MS - Matrix Spike; MSD - Matrix Spike Duplicate

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-78061-1
Client Project/Site: Summit National 2017 GW

For:
Eagon & Associates, Inc.
100 Old Wilson Bridge Road
Suite 115
Worthington, Ohio 43085

Attn: Mr. Mike Gibson

Patrick O'Meara

Authorized for release by:
4/26/2017 5:02:59 PM

Patrick O'Meara, Manager of Project Management
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-78061-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2017 GW

Report Number: 240-78061-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/13/2017 2:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3º C, 1.1º C, 1.5º C and 2.3º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples GW-041217-NK-001 (240-78061-1), GW-041217-NK-002 (240-78061-2), GW-041217-NK-003 (240-78061-3), GW-041217-NK-004 (240-78061-4), GW-041217-NK-005 (240-78061-5), GW-041217-NK-006 (240-78061-6), RB-041217-NK-007 (240-78061-7), TRIP BLANK (240-78061-8), GW-041317-NK-008 (240-78061-9), GW-041317-NK-009 (240-78061-10), GW-041317-NK-010 (240-78061-11), GW-041317-NK-011 (240-78061-12), GW-041317-NK-012 (240-78061-13), GW-041317-NK-013 (240-78061-14), GW-041317-NK-014 (240-78061-15), GW-041317-NK-015 (240-78061-16), RB-041317-NK-016 (240-78061-17) and TRIP BLANK (240-78061-18) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/17/2017, 04/18/2017 and 04/20/2017.

Samples GW-041217-NK-001 (240-78061-1)[2.5X], GW-041217-NK-002 (240-78061-2)[2.5X], GW-041217-NK-004 (240-78061-4)[8.33X], GW-041217-NK-005 (240-78061-5)[8.33X], GW-041317-NK-014 (240-78061-15)[5X], GW-041317-NK-014 (240-78061-15)[50X], GW-041317-NK-015 (240-78061-16)[6.25X] and GW-041317-NK-015 (240-78061-16)[62.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-78061-1	GW-041217-NK-001	Water	04/12/17 16:40	04/13/17 14:34
240-78061-2	GW-041217-NK-002	Water	04/12/17 16:55	04/13/17 14:34
240-78061-3	GW-041217-NK-003	Water	04/12/17 17:15	04/13/17 14:34
240-78061-4	GW-041217-NK-004	Water	04/12/17 17:30	04/13/17 14:34
240-78061-5	GW-041217-NK-005	Water	04/12/17 17:30	04/13/17 14:34
240-78061-6	GW-041217-NK-006	Water	04/12/17 17:50	04/13/17 14:34
240-78061-7	RB-041217-NK-007	Water	04/12/17 18:05	04/13/17 14:34
240-78061-8	TRIP BLANK	Water	04/12/17 00:00	04/13/17 14:34
240-78061-9	GW-041317-NK-008	Water	04/13/17 10:00	04/13/17 14:34
240-78061-10	GW-041317-NK-009	Water	04/13/17 10:20	04/13/17 14:34
240-78061-11	GW-041317-NK-010	Water	04/13/17 10:40	04/13/17 14:34
240-78061-12	GW-041317-NK-011	Water	04/13/17 11:00	04/13/17 14:34
240-78061-13	GW-041317-NK-012	Water	04/13/17 11:20	04/13/17 14:34
240-78061-14	GW-041317-NK-013	Water	04/13/17 11:40	04/13/17 14:34
240-78061-15	GW-041317-NK-014	Water	04/13/17 13:00	04/13/17 14:34
240-78061-16	GW-041317-NK-015	Water	04/13/17 13:00	04/13/17 14:34
240-78061-17	RB-041317-NK-016	Water	04/13/17 13:25	04/13/17 14:34
240-78061-18	TRIP BLANK	Water	04/13/17 00:00	04/13/17 14:34

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-001 — Lab Sample ID: 240-78061-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.67	J	2.5	0.58	ug/L	2.5		8260C	Total/NA
1,1-Dichloroethane	19		2.5	0.63	ug/L	2.5		8260C	Total/NA
1,2-Dichloroethane	73		2.5	0.75	ug/L	2.5		8260C	Total/NA
cis-1,2-Dichloroethene	4.4		2.5	0.75	ug/L	2.5		8260C	Total/NA
Vinyl chloride	4.9		2.5	1.1	ug/L	2.5		8260C	Total/NA

Client Sample ID: GW-041217-NK-002 — Lab Sample ID: 240-78061-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		2.5	0.58	ug/L	2.5		8260C	Total/NA
1,1-Dichloroethane	54		2.5	0.63	ug/L	2.5		8260C	Total/NA
1,2-Dichloroethane	1.2	J	2.5	0.75	ug/L	2.5		8260C	Total/NA
cis-1,2-Dichloroethene	27		2.5	0.75	ug/L	2.5		8260C	Total/NA
trans-1,2-Dichloroethene	0.91	J	2.5	0.73	ug/L	2.5		8260C	Total/NA
Trichloroethene	42		2.5	0.83	ug/L	2.5		8260C	Total/NA
Vinyl chloride	4.0		2.5	1.1	ug/L	2.5		8260C	Total/NA

Client Sample ID: GW-041217-NK-003 — Lab Sample ID: 240-78061-3

No Detections.

Client Sample ID: GW-041217-NK-004 — Lab Sample ID: 240-78061-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.0		1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	260		8.3	2.1	ug/L	8.33		8260C	Total/NA
1,2-Dichloroethane	59		1.0	0.30	ug/L	1		8260C	Total/NA
Benzene	110		8.3	2.3	ug/L	8.33		8260C	Total/NA
cis-1,2-Dichloroethene	180		8.3	2.5	ug/L	8.33		8260C	Total/NA
Ethylbenzene	0.30	J	1.0	0.26	ug/L	1		8260C	Total/NA
Toluene	0.74	J	1.0	0.23	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	5.9		1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	29		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	82		8.3	3.7	ug/L	8.33		8260C	Total/NA

Client Sample ID: GW-041217-NK-005 — Lab Sample ID: 240-78061-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.5		1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	270		8.3	2.1	ug/L	8.33		8260C	Total/NA
1,2-Dichloroethane	51		8.3	2.5	ug/L	8.33		8260C	Total/NA
Benzene	110		8.3	2.3	ug/L	8.33		8260C	Total/NA
cis-1,2-Dichloroethene	190		8.3	2.5	ug/L	8.33		8260C	Total/NA
Ethylbenzene	0.28	J	1.0	0.26	ug/L	1		8260C	Total/NA
Toluene	0.72	J	1.0	0.23	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	6.0		1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	31		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	86		8.3	3.7	ug/L	8.33		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-006 — Lab Sample ID: 240-78061-6

No Detections.

Client Sample ID: RB-041217-NK-007 — Lab Sample ID: 240-78061-7

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-78061-8

No Detections.

Client Sample ID: GW-041317-NK-008 — Lab Sample ID: 240-78061-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	1.8	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041317-NK-009 — Lab Sample ID: 240-78061-10

No Detections.

Client Sample ID: GW-041317-NK-010 — Lab Sample ID: 240-78061-11

No Detections.

Client Sample ID: GW-041317-NK-011 — Lab Sample ID: 240-78061-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	10	1.8	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041317-NK-012 — Lab Sample ID: 240-78061-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.64	J	1.0	0.25	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.30	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041317-NK-013 — Lab Sample ID: 240-78061-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.7	J	10	1.8	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041317-NK-014 — Lab Sample ID: 240-78061-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		5.0	1.2	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	1100		50	13	ug/L	50		8260C	Total/NA
1,2-Dichloroethane	55		5.0	1.5	ug/L	5		8260C	Total/NA
Benzene	76		5.0	1.4	ug/L	5		8260C	Total/NA
Chlorobenzene	42		5.0	1.6	ug/L	5		8260C	Total/NA
Chloroethane	56		5.0	2.1	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	11		5.0	1.5	ug/L	5		8260C	Total/NA
Ethylbenzene	990		50	13	ug/L	50		8260C	Total/NA
Toluene	1800		50	12	ug/L	50		8260C	Total/NA
Vinyl chloride	17		5.0	2.3	ug/L	5		8260C	Total/NA
Xylenes, Total	3200		100	12	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-015 — Lab Sample ID: 240-78061-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		6.3	1.4	ug/L	6.25		8260C	Total/NA
1,1-Dichloroethane	1200		63	16	ug/L	62.5		8260C	Total/NA
1,2-Dichloroethane	50		6.3	1.9	ug/L	6.25		8260C	Total/NA
Benzene	73		6.3	1.8	ug/L	6.25		8260C	Total/NA
Chlorobenzene	40		6.3	2.0	ug/L	6.25		8260C	Total/NA
Chloroethane	56		6.3	2.6	ug/L	6.25		8260C	Total/NA
cis-1,2-Dichloroethene	11		6.3	1.9	ug/L	6.25		8260C	Total/NA
Ethylbenzene	970		63	16	ug/L	62.5		8260C	Total/NA
Toluene	1800		63	14	ug/L	62.5		8260C	Total/NA
Vinyl chloride	19		6.3	2.8	ug/L	6.25		8260C	Total/NA
Xylenes, Total	3300		13	1.5	ug/L	6.25		8260C	Total/NA

Client Sample ID: RB-041317-NK-016 — Lab Sample ID: 240-78061-17

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-78061-18

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-001

Lab Sample ID: 240-78061-1

Date Collected: 04/12/17 16:40
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.67**	**J**	2.5	0.58	ug/L			04/17/17 16:49	2.5
1,1-Dichloroethane	**19**		2.5	0.63	ug/L			04/17/17 16:49	2.5
1,2-Dichloroethane	**73**		2.5	0.75	ug/L			04/17/17 16:49	2.5
Acetone	ND		25	4.4	ug/L			04/17/17 16:49	2.5
Benzene	ND		2.5	0.70	ug/L			04/17/17 16:49	2.5
Chlorobenzene	ND		2.5	0.80	ug/L			04/17/17 16:49	2.5
Chloroethane	ND		2.5	1.0	ug/L			04/17/17 16:49	2.5
cis-1,2-Dichloroethene	**4.4**		2.5	0.75	ug/L			04/17/17 16:49	2.5
Ethylbenzene	ND		2.5	0.65	ug/L			04/17/17 16:49	2.5
Toluene	ND		2.5	0.58	ug/L			04/17/17 16:49	2.5
trans-1,2-Dichloroethene	ND		2.5	0.73	ug/L			04/17/17 16:49	2.5
Trichloroethene	ND		2.5	0.83	ug/L			04/17/17 16:49	2.5
Vinyl chloride	**4.9**		2.5	1.1	ug/L			04/17/17 16:49	2.5
Xylenes, Total	ND		5.0	0.60	ug/L			04/17/17 16:49	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*		*04/17/17 16:49*	*2.5*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*04/17/17 16:49*	*2.5*
Dibromofluoromethane (Surr)	*93*		*69 - 124*		*04/17/17 16:49*	*2.5*
Toluene-d8 (Surr)	*103*		*73 - 120*		*04/17/17 16:49*	*2.5*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-002

Lab Sample ID: 240-78061-2

Date Collected: 04/12/17 16:55
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**14**		2.5	0.58	ug/L			04/17/17 17:12	2.5
1,1-Dichloroethane	**54**		2.5	0.63	ug/L			04/17/17 17:12	2.5
1,2-Dichloroethane	**1.2**	**J**	2.5	0.75	ug/L			04/17/17 17:12	2.5
Acetone	ND		25	4.4	ug/L			04/17/17 17:12	2.5
Benzene	ND		2.5	0.70	ug/L			04/17/17 17:12	2.5
Chlorobenzene	ND		2.5	0.80	ug/L			04/17/17 17:12	2.5
Chloroethane	ND		2.5	1.0	ug/L			04/17/17 17:12	2.5
cis-1,2-Dichloroethene	**27**		2.5	0.75	ug/L			04/17/17 17:12	2.5
Ethylbenzene	ND		2.5	0.65	ug/L			04/17/17 17:12	2.5
Toluene	ND		2.5	0.58	ug/L			04/17/17 17:12	2.5
trans-1,2-Dichloroethene	**0.91**	**J**	2.5	0.73	ug/L			04/17/17 17:12	2.5
Trichloroethene	**42**		2.5	0.83	ug/L			04/17/17 17:12	2.5
Vinyl chloride	**4.0**		2.5	1.1	ug/L			04/17/17 17:12	2.5
Xylenes, Total	ND		5.0	0.60	ug/L			04/17/17 17:12	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/17/17 17:12*	*2.5*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/17/17 17:12*	*2.5*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/17/17 17:12*	*2.5*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 17:12*	*2.5*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-003

Lab Sample ID: 240-78061-3

Date Collected: 04/12/17 17:15

Matrix: Water

Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 17:35	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 17:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 17:35	1
Acetone	ND		10	1.8	ug/L			04/17/17 17:35	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 17:35	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 17:35	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 17:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 17:35	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 17:35	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 17:35	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 17:35	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 17:35	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 17:35	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*61 - 138*		*04/17/17 17:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/17/17 17:35*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/17/17 17:35*	*1*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 17:35*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-004

Lab Sample ID: 240-78061-4

Date Collected: 04/12/17 17:30
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.0**		1.0	0.23	ug/L			04/18/17 20:33	1
1,1-Dichloroethane	**260**		8.3	2.1	ug/L			04/17/17 17:59	8.33
1,2-Dichloroethane	**59**		1.0	0.30	ug/L			04/18/17 20:33	1
Acetone	ND		10	1.8	ug/L			04/18/17 20:33	1
Benzene	**110**		8.3	2.3	ug/L			04/17/17 17:59	8.33
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 20:33	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 20:33	1
cis-1,2-Dichloroethene	**180**		8.3	2.5	ug/L			04/17/17 17:59	8.33
Ethylbenzene	**0.30**	**J**	1.0	0.26	ug/L			04/18/17 20:33	1
Toluene	**0.74**	**J**	1.0	0.23	ug/L			04/18/17 20:33	1
trans-1,2-Dichloroethene	**5.9**		1.0	0.29	ug/L			04/18/17 20:33	1
Trichloroethene	**29**		1.0	0.33	ug/L			04/18/17 20:33	1
Vinyl chloride	**82**		8.3	3.7	ug/L			04/17/17 17:59	8.33
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*61 - 138*		*04/17/17 17:59*	*8.33*
1,2-Dichloroethane-d4 (Surr)	*91*		*61 - 138*		*04/18/17 20:33*	*1*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*		*04/17/17 17:59*	*8.33*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/18/17 20:33*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 124*		*04/17/17 17:59*	*8.33*
Dibromofluoromethane (Surr)	*89*		*69 - 124*		*04/18/17 20:33*	*1*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 17:59*	*8.33*
Toluene-d8 (Surr)	*101*		*73 - 120*		*04/18/17 20:33*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-005

Lab Sample ID: 240-78061-5

Date Collected: 04/12/17 17:30
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.5**		1.0	0.23	ug/L			04/25/17 01:53	1
1,1-Dichloroethane	**270**		8.3	2.1	ug/L			04/17/17 18:22	8.33
1,2-Dichloroethane	**51**		8.3	2.5	ug/L			04/17/17 18:22	8.33
Acetone	ND		10	1.8	ug/L			04/25/17 01:53	1
Benzene	**110**		8.3	2.3	ug/L			04/17/17 18:22	8.33
Chlorobenzene	ND		1.0	0.32	ug/L			04/25/17 01:53	1
Chloroethane	ND		1.0	0.41	ug/L			04/25/17 01:53	1
cis-1,2-Dichloroethene	**190**		8.3	2.5	ug/L			04/17/17 18:22	8.33
Ethylbenzene	**0.28**	**J**	1.0	0.26	ug/L			04/25/17 01:53	1
Toluene	**0.72**	**J**	1.0	0.23	ug/L			04/25/17 01:53	1
trans-1,2-Dichloroethene	**6.0**		1.0	0.29	ug/L			04/25/17 01:53	1
Trichloroethene	**31**		1.0	0.33	ug/L			04/25/17 01:53	1
Vinyl chloride	**86**		8.3	3.7	ug/L			04/17/17 18:22	8.33
Xylenes, Total	ND		2.0	0.24	ug/L			04/25/17 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/17/17 18:22*	*8.33*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*		*04/17/17 18:22*	*8.33*
Dibromofluoromethane (Surr)	*89*		*69 - 124*		*04/17/17 18:22*	*8.33*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 18:22*	*8.33*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-006

Lab Sample ID: 240-78061-6

Date Collected: 04/12/17 17:50
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 18:45	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 18:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 18:45	1
Acetone	ND		10	1.8	ug/L			04/17/17 18:45	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 18:45	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 18:45	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 18:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 18:45	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 18:45	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 18:45	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 18:45	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 18:45	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 18:45	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*		*04/17/17 18:45*	*1*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*		*04/17/17 18:45*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 124*		*04/17/17 18:45*	*1*
Toluene-d8 (Surr)	*101*		*73 - 120*		*04/17/17 18:45*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: RB-041217-NK-007

Lab Sample ID: 240-78061-7

Date Collected: 04/12/17 18:05
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 19:08	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 19:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 19:08	1
Acetone	ND		10	1.8	ug/L			04/17/17 19:08	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 19:08	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 19:08	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 19:08	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 19:08	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 19:08	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 19:08	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 19:08	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/17/17 19:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/17/17 19:08*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 124*		*04/17/17 19:08*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/17/17 19:08*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-78061-8

Date Collected: 04/12/17 00:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 19:32	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 19:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 19:32	1
Acetone	ND		10	1.8	ug/L			04/17/17 19:32	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 19:32	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 19:32	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 19:32	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 19:32	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 19:32	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 19:32	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 19:32	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 19:32	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 19:32	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*		*04/17/17 19:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/17/17 19:32*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 124*		*04/17/17 19:32*	*1*
Toluene-d8 (Surr)	*102*		*73 - 120*		*04/17/17 19:32*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-008

Lab Sample ID: 240-78061-9

Date Collected: 04/13/17 10:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 19:55	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 19:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 19:55	1
Acetone	**4.1**	**J**	10	1.8	ug/L			04/17/17 19:55	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 19:55	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 19:55	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 19:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 19:55	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 19:55	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 19:55	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 19:55	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 19:55	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 19:55	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/17/17 19:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*69 - 120*		*04/17/17 19:55*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 124*		*04/17/17 19:55*	*1*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 19:55*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-009

Lab Sample ID: 240-78061-10

Date Collected: 04/13/17 10:20
Date Received: 04/13/17 14:34

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 20:18	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 20:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 20:18	1
Acetone	ND		10	1.8	ug/L			04/17/17 20:18	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 20:18	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 20:18	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 20:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 20:18	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 20:18	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 20:18	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 20:18	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 20:18	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/17/17 20:18*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/17/17 20:18*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 124*		*04/17/17 20:18*	*1*
Toluene-d8 (Surr)	*100*		*73 - 120*		*04/17/17 20:18*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-010

Lab Sample ID: 240-78061-11

Date Collected: 04/13/17 10:40
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 20:41	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 20:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 20:41	1
Acetone	ND		10	1.8	ug/L			04/17/17 20:41	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 20:41	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 20:41	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 20:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 20:41	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 20:41	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 20:41	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 20:41	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 20:41	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 20:41	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/17/17 20:41*	*1*
4-Bromofluorobenzene (Surr)	*92*		*69 - 120*		*04/17/17 20:41*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/17/17 20:41*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/17/17 20:41*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-011

Lab Sample ID: 240-78061-12

Date Collected: 04/13/17 11:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 21:04	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 21:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 21:04	1
Acetone	**5.6**	**J**	10	1.8	ug/L			04/17/17 21:04	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 21:04	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 21:04	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 21:04	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 21:04	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 21:04	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 21:04	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 21:04	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 21:04	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 21:04	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/17/17 21:04*	*1*
4-Bromofluorobenzene (Surr)	*92*		*69 - 120*		*04/17/17 21:04*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/17/17 21:04*	*1*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/17/17 21:04*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-012

Lab Sample ID: 240-78061-13

Date Collected: 04/13/17 11:20
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 21:26	1
1,1-Dichloroethane	**0.64**	**J**	1.0	0.25	ug/L			04/17/17 21:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 21:26	1
Acetone	ND		10	1.8	ug/L			04/17/17 21:26	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 21:26	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 21:26	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 21:26	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.30	ug/L			04/17/17 21:26	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 21:26	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 21:26	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 21:26	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 21:26	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 21:26	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/17/17 21:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*69 - 120*		*04/17/17 21:26*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 124*		*04/17/17 21:26*	*1*
Toluene-d8 (Surr)	*100*		*73 - 120*		*04/17/17 21:26*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-013

Lab Sample ID: 240-78061-14

Date Collected: 04/13/17 11:40
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 21:50	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 21:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 21:50	1
Acetone	**2.7**	**J**	10	1.8	ug/L			04/17/17 21:50	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 21:50	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 21:50	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 21:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 21:50	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 21:50	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 21:50	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 21:50	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 21:50	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 21:50	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*61 - 138*		*04/17/17 21:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*		*04/17/17 21:50*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 124*		*04/17/17 21:50*	*1*
Toluene-d8 (Surr)	*103*		*73 - 120*		*04/17/17 21:50*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-014

Lab Sample ID: 240-78061-15

Date Collected: 04/13/17 13:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11		5.0	1.2	ug/L			04/20/17 20:57	5
1,1-Dichloroethane	1100		50	13	ug/L			04/18/17 14:22	50
1,2-Dichloroethane	55		5.0	1.5	ug/L			04/20/17 20:57	5
Acetone	ND		50	8.8	ug/L			04/20/17 20:57	5
Benzene	76		5.0	1.4	ug/L			04/20/17 20:57	5
Chlorobenzene	42		5.0	1.6	ug/L			04/20/17 20:57	5
Chloroethane	56		5.0	2.1	ug/L			04/20/17 20:57	5
cis-1,2-Dichloroethene	11		5.0	1.5	ug/L			04/20/17 20:57	5
Ethylbenzene	990		50	13	ug/L			04/18/17 14:22	50
Toluene	1800		50	12	ug/L			04/18/17 14:22	50
trans-1,2-Dichloroethene	ND		5.0	1.5	ug/L			04/20/17 20:57	5
Trichloroethene	ND		5.0	1.7	ug/L			04/20/17 20:57	5
Vinyl chloride	17		5.0	2.3	ug/L			04/20/17 20:57	5
Xylenes, Total	3200		100	12	ug/L			04/18/17 14:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*61 - 138*		*04/18/17 14:22*	*50*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 138*		*04/20/17 20:57*	*5*
4-Bromofluorobenzene (Surr)	*100*		*69 - 120*		*04/18/17 14:22*	*50*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*		*04/20/17 20:57*	*5*
Dibromofluoromethane (Surr)	*95*		*69 - 124*		*04/18/17 14:22*	*50*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/20/17 20:57*	*5*
Toluene-d8 (Surr)	*101*		*73 - 120*		*04/18/17 14:22*	*50*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/20/17 20:57*	*5*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-015

Lab Sample ID: 240-78061-16

Date Collected: 04/13/17 13:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**11**		6.3	1.4	ug/L			04/18/17 14:45	6.25
1,1-Dichloroethane	**1200**		63	16	ug/L			04/20/17 16:43	62.5
1,2-Dichloroethane	**50**		6.3	1.9	ug/L			04/18/17 14:45	6.25
Acetone	ND		63	11	ug/L			04/18/17 14:45	6.25
Benzene	**73**		6.3	1.8	ug/L			04/18/17 14:45	6.25
Chlorobenzene	**40**		6.3	2.0	ug/L			04/18/17 14:45	6.25
Chloroethane	**56**		6.3	2.6	ug/L			04/18/17 14:45	6.25
cis-1,2-Dichloroethene	**11**		6.3	1.9	ug/L			04/18/17 14:45	6.25
Ethylbenzene	**970**		63	16	ug/L			04/20/17 16:43	62.5
Toluene	**1800**		63	14	ug/L			04/20/17 16:43	62.5
trans-1,2-Dichloroethene	ND		6.3	1.8	ug/L			04/18/17 14:45	6.25
Trichloroethene	ND		6.3	2.1	ug/L			04/18/17 14:45	6.25
Vinyl chloride	**19**		6.3	2.8	ug/L			04/18/17 14:45	6.25
Xylenes, Total	**3300**		13	1.5	ug/L			04/18/17 14:45	6.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/18/17 14:45*	*6.25*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/20/17 16:43*	*62.5*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*		*04/18/17 14:45*	*6.25*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*		*04/20/17 16:43*	*62.5*
Dibromofluoromethane (Surr)	*89*		*69 - 124*		*04/18/17 14:45*	*6.25*
Dibromofluoromethane (Surr)	*92*		*69 - 124*		*04/20/17 16:43*	*62.5*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 14:45*	*6.25*
Toluene-d8 (Surr)	*100*		*73 - 120*		*04/20/17 16:43*	*62.5*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: RB-041317-NK-016

Lab Sample ID: 240-78061-17

Date Collected: 04/13/17 13:25
Date Received: 04/13/17 14:34

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 17:06	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/20/17 17:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/20/17 17:06	1
Acetone	ND		10	1.8	ug/L			04/20/17 17:06	1
Benzene	ND		1.0	0.28	ug/L			04/20/17 17:06	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/20/17 17:06	1
Chloroethane	ND		1.0	0.41	ug/L			04/20/17 17:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/20/17 17:06	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/20/17 17:06	1
Toluene	ND		1.0	0.23	ug/L			04/20/17 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 17:06	1
Trichloroethene	ND		1.0	0.33	ug/L			04/20/17 17:06	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/20/17 17:06	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/20/17 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*		*04/20/17 17:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/20/17 17:06*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 124*		*04/20/17 17:06*	*1*
Toluene-d8 (Surr)	*101*		*73 - 120*		*04/20/17 17:06*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-78061-18

Date Collected: 04/13/17 00:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 15:31	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 15:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 15:31	1
Acetone	ND		10	1.8	ug/L			04/18/17 15:31	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 15:31	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 15:31	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 15:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/18/17 15:31	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 15:31	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/18/17 15:31	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 15:31	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 15:31	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/18/17 15:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*		*04/18/17 15:31*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 124*		*04/18/17 15:31*	*1*
Toluene-d8 (Surr)	*96*		*73 - 120*		*04/18/17 15:31*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(61-138)	(69-120)	(69-124)	(73-120)
240-78061-1	GW-041217-NK-001	94	99	93	103
240-78061-2	GW-041217-NK-002	93	96	91	98
240-78061-3	GW-041217-NK-003	91	96	91	98
240-78061-4	GW-041217-NK-004	91	95	90	98
240-78061-4	GW-041217-NK-004	91	97	89	101
240-78061-5	GW-041217-NK-005	93	95	89	98
240-78061-6	GW-041217-NK-006	95	98	96	101
240-78061-6 MS	GW-041217-NK-006	95	98	91	104
240-78061-6 MSD	GW-041217-NK-006	95	95	91	102
240-78061-7	RB-041217-NK-007	93	96	93	99
240-78061-8	TRIP BLANK	95	97	94	102
240-78061-9	GW-041317-NK-008	92	93	87	98
240-78061-10	GW-041317-NK-009	93	96	90	100
240-78061-11	GW-041317-NK-010	92	92	91	99
240-78061-12	GW-041317-NK-011	92	92	91	98
240-78061-13	GW-041317-NK-012	92	94	89	100
240-78061-14	GW-041317-NK-013	98	95	93	103
240-78061-15	GW-041317-NK-014	96	100	95	101
240-78061-15	GW-041317-NK-014	90	98	91	99
240-78061-16	GW-041317-NK-015	92	98	89	99
240-78061-16	GW-041317-NK-015	93	98	92	100
240-78061-17	RB-041317-NK-016	94	97	94	101
240-78061-18	TRIP BLANK	93	95	94	96
LCS 240-275007/4	Lab Control Sample	94	94	94	104
LCS 240-275134/8	Lab Control Sample	90	96	91	99
LCS 240-275517/3	Lab Control Sample	94	98	93	103
LCS 240-275993/4	Lab Control Sample	95	97	95	101
MB 240-275007/7	Method Blank	89	96	88	99
MB 240-275134/7	Method Blank	93	96	91	99
MB 240-275517/6	Method Blank	95	99	90	100
MB 240-275993/7	Method Blank	93	94	90	94

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-275007/7
Matrix: Water
Analysis Batch: 275007

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/17/17 15:12	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/17/17 15:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/17/17 15:12	1
Acetone	ND		10	1.8	ug/L			04/17/17 15:12	1
Benzene	ND		1.0	0.28	ug/L			04/17/17 15:12	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/17/17 15:12	1
Chloroethane	ND		1.0	0.41	ug/L			04/17/17 15:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/17/17 15:12	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/17/17 15:12	1
Toluene	ND		1.0	0.23	ug/L			04/17/17 15:12	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/17/17 15:12	1
Trichloroethene	ND		1.0	0.33	ug/L			04/17/17 15:12	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/17/17 15:12	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/17/17 15:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*61 - 138*		*04/17/17 15:12*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/17/17 15:12*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 124*		*04/17/17 15:12*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/17/17 15:12*	*1*

Lab Sample ID: LCS 240-275007/4
Matrix: Water
Analysis Batch: 275007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	64 - 147
1,1-Dichloroethane	20.0	18.5		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	17.8		ug/L		89	68 - 133
Acetone	40.0	28.6		ug/L		71	35 - 131
Benzene	20.0	18.0		ug/L		90	79 - 120
Chlorobenzene	20.0	18.9		ug/L		94	80 - 120
Chloroethane	20.0	21.1		ug/L		106	10 - 149
cis-1,2-Dichloroethene	20.0	18.0		ug/L		90	77 - 120
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120
Toluene	20.0	19.7		ug/L		99	78 - 120
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	74 - 124
Trichloroethene	20.0	17.3		ug/L		87	76 - 124
Vinyl chloride	20.0	19.7		ug/L		98	65 - 124
Xylenes, Total	40.0	38.5		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*
4-Bromofluorobenzene (Surr)	*94*		*69 - 120*
Dibromofluoromethane (Surr)	*94*		*69 - 124*
Toluene-d8 (Surr)	*104*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-78061-6 MS — **Client Sample ID: GW-041217-NK-006**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		20.0	17.6		ug/L		88	57 - 156
1,1-Dichloroethane	ND		20.0	17.4		ug/L		87	69 - 122
1,2-Dichloroethane	ND		20.0	17.3		ug/L		87	64 - 138
Acetone	ND		40.0	27.6		ug/L		69	19 - 133
Benzene	ND		20.0	17.4		ug/L		87	69 - 127
Chlorobenzene	ND		20.0	17.7		ug/L		89	76 - 120
Chloroethane	ND		20.0	18.6		ug/L		93	10 - 141
cis-1,2-Dichloroethene	ND		20.0	16.9		ug/L		85	69 - 127
Ethylbenzene	ND		20.0	17.9		ug/L		89	72 - 121
Toluene	ND		20.0	18.7		ug/L		94	69 - 125
trans-1,2-Dichloroethene	ND		20.0	17.5		ug/L		88	66 - 131
Trichloroethene	ND		20.0	16.1		ug/L		80	68 - 129
Vinyl chloride	ND		20.0	18.3		ug/L		91	55 - 123
Xylenes, Total	ND		40.0	35.9		ug/L		90	71 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*
Dibromofluoromethane (Surr)	*91*		*69 - 124*
Toluene-d8 (Surr)	*104*		*73 - 120*

Lab Sample ID: 240-78061-6 MSD — **Client Sample ID: GW-041217-NK-006**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	17.4		ug/L		87	57 - 156	1	13
1,1-Dichloroethane	ND		20.0	17.4		ug/L		87	69 - 122	0	11
1,2-Dichloroethane	ND		20.0	17.4		ug/L		87	64 - 138	0	11
Acetone	ND		40.0	27.7		ug/L		69	19 - 133	0	35
Benzene	ND		20.0	17.1		ug/L		85	69 - 127	2	10
Chlorobenzene	ND		20.0	17.7		ug/L		89	76 - 120	0	12
Chloroethane	ND		20.0	19.8		ug/L		99	10 - 141	6	35
cis-1,2-Dichloroethene	ND		20.0	16.8		ug/L		84	69 - 127	1	11
Ethylbenzene	ND		20.0	17.8		ug/L		89	72 - 121	1	15
Toluene	ND		20.0	18.5		ug/L		92	69 - 125	1	14
trans-1,2-Dichloroethene	ND		20.0	17.3		ug/L		87	66 - 131	1	11
Trichloroethene	ND		20.0	16.3		ug/L		82	68 - 129	2	12
Vinyl chloride	ND		20.0	19.3		ug/L		96	55 - 123	5	12
Xylenes, Total	ND		40.0	35.3		ug/L		88	71 - 122	2	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*
Dibromofluoromethane (Surr)	*91*		*69 - 124*
Toluene-d8 (Surr)	*102*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-275134/7
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 11:40	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 11:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Acetone	ND		10	1.8	ug/L			04/18/17 11:40	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 11:40	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 11:40	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 11:40	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/18/17 11:40	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 11:40	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 11:40	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/18/17 11:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/18/17 11:40*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/18/17 11:40*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 11:40*	*1*

Lab Sample ID: LCS 240-275134/8
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	64 - 147
1,1-Dichloroethane	20.0	19.7		ug/L		98	74 - 120
1,2-Dichloroethane	20.0	18.6		ug/L		93	68 - 133
Acetone	40.0	29.2		ug/L		73	35 - 131
Benzene	20.0	19.0		ug/L		95	79 - 120
Chlorobenzene	20.0	19.3		ug/L		96	80 - 120
Chloroethane	20.0	21.4		ug/L		107	10 - 149
cis-1,2-Dichloroethene	20.0	18.9		ug/L		94	77 - 120
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
Toluene	20.0	20.3		ug/L		102	78 - 120
trans-1,2-Dichloroethene	20.0	19.3		ug/L		96	74 - 124
Trichloroethene	20.0	18.3		ug/L		92	76 - 124
Vinyl chloride	20.0	19.7		ug/L		98	65 - 124
Xylenes, Total	40.0	40.1		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 138*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*
Dibromofluoromethane (Surr)	*91*		*69 - 124*
Toluene-d8 (Surr)	*99*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-275517/6
Matrix: Water
Analysis Batch: 275517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 12:01	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/20/17 12:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/20/17 12:01	1
Acetone	ND		10	1.8	ug/L			04/20/17 12:01	1
Benzene	ND		1.0	0.28	ug/L			04/20/17 12:01	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/20/17 12:01	1
Chloroethane	ND		1.0	0.41	ug/L			04/20/17 12:01	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/20/17 12:01	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/20/17 12:01	1
Toluene	ND		1.0	0.23	ug/L			04/20/17 12:01	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 12:01	1
Trichloroethene	ND		1.0	0.33	ug/L			04/20/17 12:01	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/20/17 12:01	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/20/17 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*		*04/20/17 12:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*69 - 120*		*04/20/17 12:01*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 124*		*04/20/17 12:01*	*1*
Toluene-d8 (Surr)	*100*		*73 - 120*		*04/20/17 12:01*	*1*

Lab Sample ID: LCS 240-275517/3
Matrix: Water
Analysis Batch: 275517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.1		ug/L		90	64 - 147
1,1-Dichloroethane	20.0	18.4		ug/L		92	74 - 120
1,2-Dichloroethane	20.0	17.6		ug/L		88	68 - 133
Acetone	40.0	29.9		ug/L		75	35 - 131
Benzene	20.0	18.0		ug/L		90	79 - 120
Chlorobenzene	20.0	18.9		ug/L		95	80 - 120
Chloroethane	20.0	22.4		ug/L		112	10 - 149
cis-1,2-Dichloroethene	20.0	17.9		ug/L		89	77 - 120
Ethylbenzene	20.0	19.5		ug/L		98	80 - 120
Toluene	20.0	19.5		ug/L		98	78 - 120
trans-1,2-Dichloroethene	20.0	18.3		ug/L		92	74 - 124
Trichloroethene	20.0	17.3		ug/L		86	76 - 124
Vinyl chloride	20.0	21.2		ug/L		106	65 - 124
Xylenes, Total	40.0	38.3		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*
Dibromofluoromethane (Surr)	*93*		*69 - 124*
Toluene-d8 (Surr)	*103*		*73 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-275993/7
Matrix: Water
Analysis Batch: 275993

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/24/17 18:20	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/24/17 18:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/24/17 18:20	1
Acetone	ND		10	1.8	ug/L			04/24/17 18:20	1
Benzene	ND		1.0	0.28	ug/L			04/24/17 18:20	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/24/17 18:20	1
Chloroethane	ND		1.0	0.41	ug/L			04/24/17 18:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/24/17 18:20	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/24/17 18:20	1
Toluene	ND		1.0	0.23	ug/L			04/24/17 18:20	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			04/24/17 18:20	1
Trichloroethene	ND		1.0	0.33	ug/L			04/24/17 18:20	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/24/17 18:20	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/24/17 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/24/17 18:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*69 - 120*		*04/24/17 18:20*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 124*		*04/24/17 18:20*	*1*
Toluene-d8 (Surr)	*94*		*73 - 120*		*04/24/17 18:20*	*1*

Lab Sample ID: LCS 240-275993/4
Matrix: Water
Analysis Batch: 275993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	64 - 147
1,1-Dichloroethane	20.0	20.8		ug/L		104	74 - 120
1,2-Dichloroethane	20.0	19.0		ug/L		95	68 - 133
Acetone	40.0	30.7		ug/L		77	35 - 131
Benzene	20.0	20.0		ug/L		100	79 - 120
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120
Chloroethane	20.0	24.5		ug/L		123	10 - 149
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	77 - 120
Ethylbenzene	20.0	20.8		ug/L		104	80 - 120
Toluene	20.0	20.2		ug/L		101	78 - 120
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	74 - 124
Trichloroethene	20.0	18.9		ug/L		94	76 - 124
Vinyl chloride	20.0	23.6		ug/L		118	65 - 124
Xylenes, Total	40.0	40.8		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*
Dibromofluoromethane (Surr)	*95*		*69 - 124*
Toluene-d8 (Surr)	*101*		*73 - 120*

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

GC/MS VOA

Analysis Batch: 275007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-1	GW-041217-NK-001	Total/NA	Water	8260C	
240-78061-2	GW-041217-NK-002	Total/NA	Water	8260C	
240-78061-3	GW-041217-NK-003	Total/NA	Water	8260C	
240-78061-4	GW-041217-NK-004	Total/NA	Water	8260C	
240-78061-5	GW-041217-NK-005	Total/NA	Water	8260C	
240-78061-6	GW-041217-NK-006	Total/NA	Water	8260C	
240-78061-7	RB-041217-NK-007	Total/NA	Water	8260C	
240-78061-8	TRIP BLANK	Total/NA	Water	8260C	
240-78061-9	GW-041317-NK-008	Total/NA	Water	8260C	
240-78061-10	GW-041317-NK-009	Total/NA	Water	8260C	
240-78061-11	GW-041317-NK-010	Total/NA	Water	8260C	
240-78061-12	GW-041317-NK-011	Total/NA	Water	8260C	
240-78061-13	GW-041317-NK-012	Total/NA	Water	8260C	
240-78061-14	GW-041317-NK-013	Total/NA	Water	8260C	
MB 240-275007/7	Method Blank	Total/NA	Water	8260C	
LCS 240-275007/4	Lab Control Sample	Total/NA	Water	8260C	
240-78061-6 MS	GW-041217-NK-006	Total/NA	Water	8260C	
240-78061-6 MSD	GW-041217-NK-006	Total/NA	Water	8260C	

Analysis Batch: 275134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-4	GW-041217-NK-004	Total/NA	Water	8260C	
240-78061-15	GW-041317-NK-014	Total/NA	Water	8260C	
240-78061-16	GW-041317-NK-015	Total/NA	Water	8260C	
240-78061-18	TRIP BLANK	Total/NA	Water	8260C	
MB 240-275134/7	Method Blank	Total/NA	Water	8260C	
LCS 240-275134/8	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 275517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-15	GW-041317-NK-014	Total/NA	Water	8260C	
240-78061-16	GW-041317-NK-015	Total/NA	Water	8260C	
240-78061-17	RB-041317-NK-016	Total/NA	Water	8260C	
MB 240-275517/6	Method Blank	Total/NA	Water	8260C	
LCS 240-275517/3	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 275993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-5	GW-041217-NK-005	Total/NA	Water	8260C	
MB 240-275993/7	Method Blank	Total/NA	Water	8260C	
LCS 240-275993/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041217-NK-001 — Lab Sample ID: 240-78061-1

Date Collected: 04/12/17 16:40 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2.5	275007	04/17/17 16:49	HMB	TAL CAN

Client Sample ID: GW-041217-NK-002 — Lab Sample ID: 240-78061-2

Date Collected: 04/12/17 16:55 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2.5	275007	04/17/17 17:12	HMB	TAL CAN

Client Sample ID: GW-041217-NK-003 — Lab Sample ID: 240-78061-3

Date Collected: 04/12/17 17:15 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 17:35	HMB	TAL CAN

Client Sample ID: GW-041217-NK-004 — Lab Sample ID: 240-78061-4

Date Collected: 04/12/17 17:30 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8.33	275007	04/17/17 17:59	HMB	TAL CAN
Total/NA	Analysis	8260C		1	275134	04/18/17 20:33	HMB	TAL CAN

Client Sample ID: GW-041217-NK-005 — Lab Sample ID: 240-78061-5

Date Collected: 04/12/17 17:30 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8.33	275007	04/17/17 18:22	HMB	TAL CAN
Total/NA	Analysis	8260C		1	275993	04/25/17 01:53	TJL1	TAL CAN

Client Sample ID: GW-041217-NK-006 — Lab Sample ID: 240-78061-6

Date Collected: 04/12/17 17:50 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 18:45	HMB	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: RB-041217-NK-007 — Lab Sample ID: 240-78061-7

Date Collected: 04/12/17 18:05 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 19:08	HMB	TAL CAN

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-78061-8

Date Collected: 04/12/17 00:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 19:32	HMB	TAL CAN

Client Sample ID: GW-041317-NK-008 — Lab Sample ID: 240-78061-9

Date Collected: 04/13/17 10:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 19:55	HMB	TAL CAN

Client Sample ID: GW-041317-NK-009 — Lab Sample ID: 240-78061-10

Date Collected: 04/13/17 10:20 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 20:18	HMB	TAL CAN

Client Sample ID: GW-041317-NK-010 — Lab Sample ID: 240-78061-11

Date Collected: 04/13/17 10:40 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 20:41	HMB	TAL CAN

Client Sample ID: GW-041317-NK-011 — Lab Sample ID: 240-78061-12

Date Collected: 04/13/17 11:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 21:04	HMB	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Client Sample ID: GW-041317-NK-012 — Lab Sample ID: 240-78061-13

Date Collected: 04/13/17 11:20 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 21:26	HMB	TAL CAN

Client Sample ID: GW-041317-NK-013 — Lab Sample ID: 240-78061-14

Date Collected: 04/13/17 11:40 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275007	04/17/17 21:50	HMB	TAL CAN

Client Sample ID: GW-041317-NK-014 — Lab Sample ID: 240-78061-15

Date Collected: 04/13/17 13:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	275134	04/18/17 14:22	HMB	TAL CAN
Total/NA	Analysis	8260C		5	275517	04/20/17 20:57	HMB	TAL CAN

Client Sample ID: GW-041317-NK-015 — Lab Sample ID: 240-78061-16

Date Collected: 04/13/17 13:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		6.25	275134	04/18/17 14:45	HMB	TAL CAN
Total/NA	Analysis	8260C		62.5	275517	04/20/17 16:43	HMB	TAL CAN

Client Sample ID: RB-041317-NK-016 — Lab Sample ID: 240-78061-17

Date Collected: 04/13/17 13:25 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275517	04/20/17 17:06	HMB	TAL CAN

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-78061-18

Date Collected: 04/13/17 00:00 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 15:31	HMB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 GW

TestAmerica Job ID: 240-78061-1

Laboratory: TestAmerica Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	04-30-17 *
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-17 *
Illinois	NELAP	5	200004	07-31-17 *
Kansas	NELAP	7	E-10336	01-31-18
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (WW)	State Program	4	98016	12-31-17
Minnesota	NELAP	5	039-999-348	12-31-17
Minnesota (Petrofund)	State Program	1	3506	07-31-17 *
Nevada	State Program	9	OH-000482008A	07-31-17 *
New Jersey	NELAP	2	OH001	06-30-17 *
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-17 *
Texas	NELAP	6	T104704517-15-5	08-31-17 *
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-17
Washington	State Program	10	C971	01-12-18
West Virginia DEP	State Program	3	210	12-31-16 *
Wisconsin	State Program	5	999518190	08-31-17 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, Ohio 44720
Ph. (330) 497-9396 ; fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Mike Gibson	Site Contact: SNFT	Date: 4/13/17	COC No: -
Eagon & Associates, Inc.	Sampler: N. Karow, A. Berkowsky	Lab Contact: Patrick J. O'Meara	Carrier: Hand Delivered	1 of 2 COCs
100 Old Wilson Bridge Road, Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(614) 888-5760 Ph. / (614) 888-5760 Fax	TAT if different from Below _____			Lab Sampling:
a.graham@eagoninc.com / mgibson@eagoninc.com	☑ 2 weeks			
Project Name: Summit National - 2017 Annual GW	☐ 1 week			Job / SDG No.:
Site: Summit National Superfund Site	☐ 2 days			
P O # No PO required	☐ 1 day			Sampler: NK, AB, ADC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - (MOD) SSIPL VOCs	Sample Specific Notes:
GW-041217-NK-001	4/12/17	1640	Grab	Water	3	N	N	X	
GW-041217-NK-002		1655				N	N	X	
GW-041217-NK-003		1715				N	N	X	
GW-041217-NK-004		1730				N	N	X	
GW-041217-NK-005		1730				N	N	X	
GW-041217-NK-006		1750				N	Y	X	
GW-041217-NK-006 MS		1750				N	Y	X	
GW-041217-NK-006 MSD		1750				N	Y	X	
RB-041217-NK-007		1805				N	N	X	
Trip Blanks	—	—	—	O	2	N	N	X	

240-78061 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D Graham	Eagon & Associates, Inc.	4/13/17		TA	4.13.17 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.1, dated 02/20/2013

TestAmerica Canton
4101 Shuffel Street NW
North Canton, Ohio 44720
Ph. (330) 497-9396 ; fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Mike Gibson	Site Contact: SNFT	Date: 4/13/17	COC No: -
Eagon & Associates, Inc.	Sampler:	Lab Contact: Patrick J. O'Meara	Carrier: Hand Delivered	2 of 2 COCs
100 Old Wilson Bridge Road, Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(614) 888-5760 Ph. / (614) 888-5760 Fax	TAT if different from Below _____			Lab Sampling:
a.graham@eagoninc.com / mgibson@eagoninc.com	☑ 2 weeks			
Project Name: Summit National - 2017 Annual GW	☐ 1 week			Job / SDG No.:
Site: Summit National Superfund Site	☐ 2 days			
P O # No PO required	☐ 1 day			Sampler: NK, AD, ADG

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C - (MOD) SSIPL VOCs	Sample Specific Notes:
GW-041317-NK-008	4/13/17	1000	Grab	Water	3	N		X	
GW-041317-NK-009		1020				N		X	
GW-041317-NK-010		1040				N		X	
GW-041317-NK-011		1100				N		X	
GW-041317-NK-012		1120				N		X	
GW-041317-NK-013		1140				N		X	
GW-041317-NK-014		1300				N		X	
GW-041317-NK-015		1300				N		X	
RB-041317-NK-016		1325				N		X	
Trip Blanks	—	—	—	O	2	N		X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								2	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	4/13/17 @		TA	4.13.17 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.1, dated 02/20/2013

TestAmerica Canton
4101 Shuffel Street NW
North Canton, Ohio 44720
Ph. (330) 497-9396 ; fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Mike Gibson	Site Contact: SNFT	Date: 4/13/17	COC No: -
Eagon & Associates, Inc.	Sampler: A. Graham	Lab Contact: Patrick J. O'Meara	Carrier: HAND DELIVERED	1 of 1 COCs
100 Old Wilson Bridge Road, Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(614) 888-5760 Ph. / (614) 888-5760 Fax	TAT if different from Below _____			Lab Sampling:
a.graham@eagoninc.com / mgibson@eagoninc.com	☑ 2 weeks			
Project Name: Summit National - 2017 Annual SW	☐ 1 week			Job / SDG No.:
Site: Summit National Superfund Site	☐ 2 days			
P O # No PO required	☐ 1 day			Sampler: ADG

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - (MOD) Project TCL VOCs	8270D - (MOD) Project TCL SVOCs	Sample Specific Notes:
SW-041317-AG-017	4/13/17	0820	Grab	Water	5	N		X	X	
SW-041317-AG-017 MS	↓	↓	↓	↓	5	N		X	X	
SW-041317-AG-017 MSD	↓	↓	↓	↓	5	N		X	X	
SW-041317-AG-018	↓	↓	↓	↓	5	N		X	X	
FB-041317-AG-019	↓	0850	GRAB	WATER	5	N		X	X	
TRIP BLANKS	—	—	—	O	2	N		X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								2	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	4/13/17e		TA	4-13-17 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.1, dated 02/20/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 78061
Canton Facility

Client Eagon + Assoc Site Name _____ Cooler unpacked by: Gerry Burns

Cooler Received on 4/13/17 Opened on 4/13/17

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
   IR GUN# IR-8 (CF -0.3 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF +0.8°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this. Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B630301VB Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: [signature]

C.O.C. States a total of 6x40ml HCL Trip Blanks. Only 4x40ml HCL T.B's rec'd. Will log 1 as samples 8 & 18, 2 as sample 22.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____.

Ref: SOP NC-SC-0005, Sample Receiving
\\tacorp\corp\QA\QA_Facilities\Canton-QA\Document-Management\Work-Instruction\In Revision\WI-NC-099-040717 Cooler Receipt Form.doc djl

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 78061

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	8	2.6	2.3	ICE
		0.6	0.3	
		1.4	1.1	
		1.8	1.5	

X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099H-071615 Cooler Receipt Form_page 2 - Multiple Coolers.doc rls

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-4

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 10:56 (2400 Hr. Clock)

Purge/Sample Method: DRY X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1091.09 (ft/msl)

Depth to Water (DTW) (from TOC) 5.85 (ft)

Groundwater Elevation (site datum, from TOC) 1085.24 (ft/msl)

Total Well Depth (from TOC) 245.7 (ft)

Water Column Height (well depth - DTW) 187.2 (ft)

Casing ID 04 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N)

Filter Device Y or (N) ~~0.45µ~~ or ___ µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X-Other FOOT VALVE

Pump Type (Vol) X — A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) X — A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	13:21	00:32	12.3	20.8	1.7 (DRY)

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
13:18	5.60						
13:21	START	100					
13:36		125	6.59	3430	7.8		
13:53	DRY	20.8					
4/13/17	SAMPLE						
10:40	4.15	20.8	6.23	2840	7.6	8.02	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	10:40	20.8	6.23	2840	7.6	8.02	

FIELD COMMENTS

Sample Appearance: CLEAR **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW ↗ Air Temp: ~50°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): WELL VOL= 18.72' x 0.656 = 12.3 GAL x 3 = 36.9 GALLONS

Sample I.D. #: GW-041317-NK-010 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KARON	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL **Sample Point:** MW-11

WELL DATA

Water-Level Date 04/12/17 (MM DD YY) **Water-Level Time** 09:50 (2400 Hr. Clock) **Purge/Sample Method:** 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1095.93 (ft/msl) **Depth to Water (DTW) (from TOC)** 8.59 (ft) **Groundwater Elevation (site datum, from TOC)** 1087.34 (ft/msl)

Total Well Depth (from TOC) 26.42 (ft) Water Column Height (well depth - DTW) 17.83 (ft) Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N) Filter Device Y or (N) 0.45µ or — µ *(circle or fill in)*

Purging Device X A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device D

X-Other foot valve

Pump Type (Vol) — A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) A A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L/Gal) IN (PUMP/TUBING/WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters/Gallons) *circle one*	(PUMP/TUBING/WELL) VOLS PURGED *(optional)*
04/12/17	14:32	00:38	2.9	15.0	5.2

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
09:50	8.59						
14:32	START						
14:40	—	3.0	6.54	1170	10.3	—	—
14:46	—	6.0	6.58	1160.3	10.1	—	—
14:53	—	9.0	6.60	1156.1	10.0	—	—
15:02	—	12.0	6.64	1153.8	10.0	—	—
15:10	—	15.0	6.62	1153.6	9.9	—	—
4/12/17	SAMPLE	—	—	—	—	—	—
16:55	~~16.55~~ 8.60	15.0	6.60	1188.0	7.4	24.6	—

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L/Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/12/17	16:55	15.0	6.60	1880	7.4	24.6	—

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Well vol. = 26.42 − 8.59 = 17.83 × 0.164 = 2.9 gallons

Sample I.D. #: GW-041217-NK-002 Samples Collected: SSIPL VOCs (3-40 ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	Nick A Karow	Nick G Z	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-107

WELL DATA

Water-Level Date (MM DD YY)	04 12 17	Water-Level Time (2400 Hr. Clock)	10:29	Purge/Sample Method:	3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.
Well Elevation (at TOC) (ft/msl)	109827	Depth to Water (DTW) (from TOC) (ft)	8.59	Groundwater Elevation (site datum, from TOC) (ft/msl)	108968
Total Well Depth (from TOC) (ft)	3100	Water Column Height (well depth - DTW) (ft)	22.41	Casing ID (in)	02

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or N

Filter Device: Y or N ~~0.45µ~~ or ___ µ *(circle or fill in)*

Purging Device: X — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

Pump Type (Vol): X — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-0.17 inch (4.5 ml/ft), X -Other

X-Other: FOOT VALVE

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
041317	0758	0017	37	188	5.1

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0750	866						
0758	STATAT	100					
0801	~~8~~	138	670	2160	70		
0804		175	679	2130	77		
0808		113	678	2130	79		
0811		150	681	1990	79		
0815		188	679	2110	80	426	
4/13/17	SAMPLE						
1300	864	188	679	2210	68	273	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
041317	1300	188	680	2210	68	273	

FIELD COMMENTS

Sample Appearance: CLEAR **Odor:** STRONG/STALE **Color:** LIGHT GREY **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW ↗ Air Temp: ~45°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): WELL VOL = 22.41' x 0.164 = 3.7 GAL x 3 = 11.1 GALLONS

Sample I.D. #: GW-041317-NK-014 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KAROW	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-108

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 09:18 (2400 Hr. Clock)

Purge/Sample Method: 3-5 X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1091.96 (ft/msl)

Depth to Water (DTW) (from TOC) 4.94 (ft)

Groundwater Elevation (site datum, from TOC) 1087.02 (ft/msl)

Total Well Depth (from TOC) 18.45 (ft)

Water Column Height (well depth - DTW) 13.51 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N)

Filter Device Y or (N) ~~0.45µ~~ or _____ µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol) X
A-P1200M (495 ml)
B-P1101M (395 ml)
C-P1150 (130 ml)
X-Other

Tubing ID (Vol/Ft) A
A-3/8 inch (22 ml/ft)
B-1/4 inch (10 ml/ft)
C-0.17 inch (4.5 ml/ft)
X -Other

X-Other FOOT VALVE

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	15:36	00:30	2.3	12.5	5.4

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
15:33	15.00						
15:36	START	10.0					
15:42		12.5	6.59	1749	7.8		
15:47		15.0	6.66	1855	7.5		
15:54		17.5	6.69	1926	7.6		
16:00		10.0	6.70	1959	7.5		
16:06		12.5	6.70	1977	7.4	9.01	
4/12/17	SAMPLE						
17:30	15.01	12.5	6.72	1712		25.4	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/12/17	17:30	12.5	6.72	1712	7.3	25.4	

FIELD COMMENTS

Sample Appearance: CLOUDY **Odor:** SLIGHT STALE **Color:** ORANGE **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW ↗ Air Temp: ~65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): WELL VOL = 13.51' x 0.164 = 2.3 GAL x 3 = 6.9 GALLONS

Sample I.D. #: GW-041217-NK-004 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	NICK AKRON	[signature]	Eagon & Associates, Inc.

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-111

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 0950 (2400 Hr. Clock)

Purge/Sample Method: 3-5 X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1099.67 (ft/msl)

Depth to Water (DTW) (from TOC) 12.15 (ft)

Groundwater Elevation (site datum, from TOC) 1087.52 (ft/msl)

Total Well Depth (from TOC) 29.32 (ft)

Water Column Height (well depth - DTW) 17.17 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N)

Filter Device Y or (N) ~~0.45µ~~ or — µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X-Other fast valve

Pump Type (Vol) — A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) A A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	1353	0:19	2.8	9.0	3.2

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
0950	12.15						
1353	START	0.0					
1401	—	3.0	5.85	3480	11.7	—	—
1407	—	6.0	5.88	3460	11.6	—	—
1412	—	9.0	5.89	3480	11.5	—	—
4/12/17	SAMPLE	—	—	—	—	—	—
1640	12.16	9.0	5.90	4190	9.2	126	—

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/12/17	1640	9.0	5.90	4190	9.2	126	—

FIELD COMMENTS

Sample Appearance: CLOUDY **Odor:** NONE **Color:** LIGHT ORANGE/BROWN **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW ↗ Air Temp: ~65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

Well vol. = 29.32 - 12.15 = 17.17 × 0.164 = 2.8 gallons

Sample I.D. #: GW-041217-NK-001 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	Nick A Karow	[signature]	Eagon & Associates, Inc.

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-113

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 09:26 (2400 Hr. Clock)

Purge/Sample Method: DRY X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1088.46 (ft/msl)

Depth to Water (DTW) (from TOC) 4.52 (ft)

Groundwater Elevation (site datum, from TOC) 1083.94 (ft/msl)

Total Well Depth (from TOC) 16.46 (ft)

Water Column Height (well depth - DTW) 11.94 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated ~~Y~~ or N

Filter Device Y or N 0.45µ or — µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X-Other foot valve

Pump Type (Vol) — A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) A A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (~~L~~ Gal) IN (~~PUMP/TUBING~~ WELL CASING) *circle one of each*	ACTUAL VOL PURGED (~~Liters~~ Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	13:17	0:12	20	45	2.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (~~L~~ Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
09:26	4.52						
13:17	START	0.0	—	—	—	—	—
13:21	—	2.0	7.19	3110	8.9	—	—
13:27	—	4.0	7.12	3060	8.7	—	—
13:29	DRY	4.5	—	—	—	—	—
:							
4/13/17	SAMPLE	—	—	—	—	—	—
10:26	4.60	4.5	6.60	3740	6.8	18.4	—
:							
:							

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L~~ Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	10:26	4.5	6.60	3740	6.8	18.4	—

FIELD COMMENTS

Sample Appearance: CLEAR **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW ↗ Air Temp: ~50°F Precipitation: Y or ~~N~~

Specific Comments (including purge/well volume calculations if required):

well vol. = 16.46 - 4.52 = 11.94 × 0.164 = 2.0 gals. ; moderate sulfer odor during purging

Sample I.D. #: GW-041317-NK-009 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KARAS	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL **Sample Point:** MW-114

WELL DATA

Water-Level Date: 04/12/17 (MM DD YY) Water-Level Time: 10:03 (2400 Hr. Clock) Purge/Sample Method: 3-5 (X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.)

Well Elevation (at TOC): 1097.27 (ft/msl) Depth to Water (DTW) (from TOC): 7.53 (ft) Groundwater Elevation (site datum, from TOC): 1089.74 (ft/msl)

Total Well Depth (from TOC): 21.39 (ft) Water Column Height (well depth - DTW): 13.86 (ft) Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or (N)

Filter Device: Y or (N) 0.45µ or ___ µ (circle or fill in)

Purging Device: X — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

X-Other: FOOT VALVE

Pump Type (Vol): X — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-0.17 inch (4.5 ml/ft), X-Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) circle one of each	ACTUAL VOL PURGED (Liters:Gallons) circle one	(PUMP/TUBING:WELL) VOLS PURGED (optional)
04/13/17	09:06	00:24	23	100	4.3

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) circle one	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
09:02	17.91						
09:06	STARTT	100					
09:11		25	6.09	22710	17.7		
09:17		50	5.81	23610	18.1		
09:23		75	5.78	23810	18.2		
09:30		100	5.87	23510	18.3	7.39	
4/13/17	SAMPLE						
11:40	18.22	100	5.78	23710	17.6	6.28	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) circle one	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	11:40	100	5.78	23710	17.6	6.28	

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: ORANGE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: ~50°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): WELL VOL: 13.86' x 0.164 = 2.3 GAL x 3 = 6.9 GALLONS

Sample I.D. #: GW-041317-NK-013 Samples Collected: SSIPL VOCs (3-40 ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KAROW	Nick A K	Eagon & Associates, Inc.

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-115

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 09:47 (2400 Hr. Clock)

Purge/Sample Method: 3-5 X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1101.83 (ft/msl)

Depth to Water (DTW) (from TOC) 16.43 (ft)

Groundwater Elevation (site datum, from TOC) 1085.40 (ft/msl)

Total Well Depth (from TOC) 40.98 (ft)

Water Column Height (well depth - DTW) 24.55 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N)

Filter Device Y or (N) 0.45µ ~~or~~ ___ µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Pump Type (Vol) X
A-P1200M (495 ml)
B-P1101M (395 ml)
C-P1150 (130 ml)
X-Other

Tubing ID (Vol/Ft) A
A-3/8 inch (22 ml/ft)
B-1/4 inch (10 ml/ft)
C-0.17 inch (4.5 ml/ft)
X -Other

X-Other FOOT VALVE

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L: Gal) IN (PUMP/TUBING: WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters: Gallons) *circle one*	(PUMP/TUBING: WELL) VOLS PURGED *(optional)*
04/13/17	08:38	00:14	41	128	3.1

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
08:34	16.52						
08:38	START	10					
08:42		43	6.41	2380	8.7		
08:47		85	6.47	2390	8.8		
08:52		128	6.48	2370	8.9	12.7	
4/13/17	SAMPLE						
11:20	16.52	128	6.99	1765	9.3	35.8	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L : Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	11:20	128	6.99	1765	9.3	35.8	—

FIELD COMMENTS

Sample Appearance: CLEAR **Odor:** NONE **Color:** NONE **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW ↗ Air Temp: ~50°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): WELL VOL = 24.55' x 0.164 = 4.01 GAL x 3 = 12.3 GALLONS

Sample I.D. #: GW-041317-NK-012 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KARON	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-207

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 10:25 (2400 Hr. Clock)

Purge/Sample Method: 3-5 X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1098.51 (ft/msl)

Depth to Water (DTW) (from TOC) 8.94 (ft)

Groundwater Elevation (site datum, from TOC) 1089.57 (ft/msl)

Total Well Depth (from TOC) 49.84 (ft)

Water Column Height (well depth - DTW) 40.90 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or N

Filter Device ~~Y~~ or N ~~0.45µ~~ or ____ µ *(circle or fill in)*

Purging Device X — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device D

Pump Type (Vol) X — A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft) A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-0.17 inch (4.5 ml/ft), X -Other

X-Other FOOT VALVE

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	14:53	00:21	6.8	210	3.1

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L/Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
14:52	8.95						
14:53	START	0.0					
15:00		7.0	6.55	3950	9.1		
15:08		14.0	6.44	3950	9.0		
15:14		21.0	6.41	3930	9.0	17.0 AB	
:							
4/17/17	SAMPLE						
17:15	9.00	21.0	7.39	3860	8.3	46.6	
:							
:							

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/12/17	17:15	21.0	7.39	3860	8.3	46.6	

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: ____

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: ~65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): WELL VOL = 40.90' x 0.164 = 6.8 GAL x 3 = 20.4 GALLONS

FIELD COMMENTS

Sample I.D. #: GW-041217-NK-003 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	Nick A Karas	[signature]	Eagon & Associates, Inc

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-209

WELL DATA

Water-Level Date 04/12/17 (MM DD YY)

Water-Level Time 10:52 (2400 Hr. Clock)

Purge/Sample Method: DRY X = Other
LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC) 1087.66 (ft/msl)

Depth to Water (DTW) (from TOC) 4.55 (ft)

Groundwater Elevation (site datum, from TOC) 1083.11 (ft/msl)

Total Well Depth (from TOC) 37.70 (ft)

Water Column Height (well depth - DTW) 33.15 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or (N)

Filter Device Y or (N) ~~0.45µ~~ or ___ µ *(circle or fill in)*

Purging Device X

Sampling Device D

A-Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

X-Other FOOT VALVE

Pump Type (Vol) X
A-P1200M (495 ml)
B-P1101M (395 ml)
C-P1150 (130 ml)
X-Other

Tubing ID (Vol/Ft) A
A-3/8 inch (22 ml/ft)
B-1/4 inch (10 ml/ft)
C-0.17 inch (4.5 ml/ft)
X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*
04/12/17	1405	0027	55	126	23 DRY

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L:Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
1401	4.60						
1405	START	100					
1415		55	6.40	3640	9.2		
1427		110	6.29	3690	9.3		
1432	DRY	126					
4/13/17	SAMPLE						
1100	19.91	126	5.90	2900	7.0	7.94	

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (L:Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	1100	126	5.90	2900	7.0	7.94	—

FIELD COMMENTS

Sample Appearance: Clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH From SW ↗ Air Temp: ~50°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): WELL VOL= 33.15 x 0.164 = 5.5 GAL x 3 = 16.5 GALLONS

Sample I.D. #: GW-041317-NK-011 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KAZOL	[signature]	Eagon & Associates, Inc.

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: MW-220

WELL DATA

Water-Level Date: 04/12/17 (MM/DD/YY)

Water-Level Time: 10:29

Purge/Sample Method: DRY
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) 1096.92 (ft/msl)

Depth to Water (DTW) (from TOC) 7.55 (ft)

Groundwater Elevation (site datum, from TOC) 1083.37 (ft/msl)

Total Well Depth (from TOC) 38.65 (ft)

Water Column Height (well depth - DTW) 31.10 (ft)

Casing ID 02 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or (N)

Filter Device: Y or (N) ~~0.45µ~~ or _____ µ *(circle or fill in)*

Purging Device X — A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device D

Pump Type (Vol) X — A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft) A — A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

X - Other FOOT VALVE

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L or Gal) IN (PUMP/TUBING or WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters or Gallons) *circle one*	PUMP/TUBING or WELL VOLS PURGED *(optional)*
04/12/17	11:44	00:26	52	100	2 (DRY)

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L or Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
11:41	7.62	—	—	—	—	—	—
11:44	START	00	—	—	—	—	—
11:56	—	53	7.77	4230	18.8	—	—
12:08	DRY	100	—	—	—	—	—
4/13/17	SAMPLE	—	—	—	—	—	—
10:00	11.19	100	6.88	31810	17.5	3.20	—

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L or Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
04/13/17	10:00	100	6.88	31810	17.5	3.20	—

Sample Apperance: clear **Odor:** none **Color:** none **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: 5-10 MPH FROM SW ↗ Air Temp: ~50°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): WELL VOL = 31.10' × 0.164 = 5.2 GAL × 3 = 15.6 GALLONS

FIELD COMMENTS

SAMPLE ID#: GW-041317-NK-008

SAMPLES COLLECTED:
SS1 PH VOCs (3- 40 mL VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature
4/13/17	NICK A KARON	[signature]

EAGON & ASSOCIATES, INC.

EA-200, R: 9/16

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL **Sample Point:** MW-224

WELL DATA

Water-Level Date: 04/12/17 (MM DD YY) Water-Level Time: 09:29 (2400 Hr. Clock) Purge/Sample Method: 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

Well Elevation (at TOC): 1089.41 (ft/msl) Depth to Water (DTW) (from TOC): 10.38 (ft) Groundwater Elevation (site datum, from TOC): 1079.03 (ft/msl)

Total Well Depth (from TOC): 36.62 (ft) Water Column Height (well depth - DTW): 26.24 (ft) Casing ID: 02 (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated: Y or (N) Filter Device: Y or (N) 0.45µ or — µ *(circle or fill in)*

Purging Device: X A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device: D

Pump Type (Vol): X A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft): X A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X -Other

X-Other: foot valve

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (~~L~~: Gal) IN (~~PUMP/TUBING~~: WELL CASING) *circle one of each*	ACTUAL VOL PURGED (~~Liters~~: Gallons) *circle one*	(~~PUMP/TUBING~~: WELL) VOLS PURGED *(optional)*
04/12/17	15:26	04:58 ADD	4.3	18.0	4.2

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (~~L~~: Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)
09:29	10.38						
15:26	START	10.0					
15:36		14.5	7.05	3210	12.0		
15:46		19.0	7.22	3120	12.2		
15:59		13.5	7.24	3090	12.2		
16:24		18.0	7.29	3040	12.1		
:							
4/12/17	SAMPLE						
17:50	10.85	18.0	7.38	3890	9.2	13.2	
:							

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L~~: Gals) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/12/17	17:50	18.0	7.38	3890	9.2	13.2	—

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: 65°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

well vol. = 36.62 − 10.38 = 26.24 × 0.164 = 4.3 gallons

Sample I.D. #: GW-041217-NK-006 Samples Collected:

COLLECTED MATRIX SPIKE = GW-041217-NK-006-MS SSIPL VOCs (3-40ml VIALS)

MATRIX SPIKE DUP = GW-041217-NK-006-MSD

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	NICK A KAROW	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: DUPLICATE #1

WELL DATA

Water-Level Date (MM DD YY)

Water-Level Time (2400 Hr. Clock)

Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or N

Filter Device Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X-Other ____

Pump Type (Vol) ____ A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L : Gals~~) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (~~ml/min~~)
04 12 17	1730	—	6.70	1682	8.0	214	—

Sample Appearance: CLEAR **Odor:** SLIGHT STALE **Color:** ORANGE **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: ~65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

"DUPLICATE #1" IS A DUPLICATE BY CONTAINER COLLECTED FROM WELL MW-~~208~~ 108 (NAK)

SEE FIELD INFORMATION FORM FOR WELL MW-108 FOR PURGE + WELL INFO

Sample I.D. #: GW-041217-NK-005 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	NICK A KAROS	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: DUPLICATE #2

WELL DATA

Water-Level Date (MM DD YY) | Water-Level Time (2400 Hr. Clock) | Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

Well Elevation (at TOC) (ft/msl) | Depth to Water (DTW) (from TOC) (ft) | Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) | Water Column Height (well depth - DTW) (ft) | Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or N | Filter Device Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X-Other ____

Pump Type (Vol) ____ A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-0.17 inch (4.5 ml/ft) X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L: Gals~~) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (~~ml/min~~)
04/13/17	1300	—	6.80	2210	6.8	2.73	—

Sample Appearance: CLEAR **Odor:** STRONG/STALE **Color:** LIGHT GREY **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 MPH from SW ↗ Air Temp: ~45°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

"DUPLICATE #2" IS AN EXACT DUPLICATE BY CONTAINER OF MONITORING WELL MW-107

SEE FIELD SHEET FOR WELL MW-107 FOR WELL & PURGE INFORMATION

Sample I.D. #: GW-041317-NK-015 Samples Collected:

SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KAZOW	Nick A K	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: RINSE BLANK #1

WELL DATA

Water-Level Date	(MM DD YY)	Water-Level Time	(2400 Hr. Clock)	Purge/Sample Method:	X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.
Well Elevation (at TOC)	(ft/msl)	Depth to Water (DTW) (from TOC)	(ft)	Groundwater Elevation (site datum, from TOC)	(ft/msl)
Total Well Depth (from TOC)	(ft)	Water Column Height (well depth - DTW)	(ft)	Casing ID	(in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or N

Filter Device Y or N 0.45µ or µ *(circle or fill in)*

Purging Device: A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device

X-Other

Pump Type (Vol): A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-0.17 inch (4.5 ml/ft), X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L : Gals~~) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (~~ml/min~~)
04 12 17	1805	—	823	78	187	108	—

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW ↗ Air Temp: ~ 65°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

"RINSE BLANK #1" SAMPLE COLLECTED BY POURING LAB SUPPLIED DI WATER OVER SS. BAILER AND INTO SAMPLE CONTAINERS AFTER USE AND DECONTAMINATION AT WELL MW-224.

Sample I.D. #: RB-041217-NK-007 Samples Collected: SSIPL VOCs (3-40ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/12/17	Nick A Karow	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: RINSE BLANK #2

WELL DATA

Water-Level Date (MM DD YY) | Water-Level Time (2400 Hr. Clock) | Purge/Sample Method: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

Well Elevation (at TOC) (ft/msl) | Depth to Water (DTW) (from TOC) (ft) | Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft) | Water Column Height (well depth - DTW) (ft) | Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment...Dedicated Y or N | Filter Device Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ | Sampling Device ____ | X-Other ____

A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Pump Type (Vol): A-P1200M (495 ml), B-P1101M (395 ml), C-P1150 (130 ml), X-Other

Tubing ID (Vol/Ft): A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-0.17 inch (4.5 ml/ft), X -Other

PURGE INFO

PURGE DATE (MM DD YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L:Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	ACTUAL VOL PURGED (Liters:Gallons) *circle one*	(PUMP/TUBING:WELL) VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr Clock)	DTW (ft)	Vol. Purged (L : Gals) *circle one*	pH (std)	Conductance (µmhos/cm)	Temp (°C)	Turbidity (ntu)	Rate (ml/min)

Suggested range for 3 consec. readings or Permit/State requirements may be entered in spaces provided above (optional).

FIELD DATA

SAMPLE DATE (MM DD YY)	SAMPLE TIME (2400 Hr. Clock)	VOL PURGED (~~L : Gals~~) *circle one*	pH (std)	CONDUCTANCE (umhos/cm)	TEMP (°C)	TURBIDITY (ntu)	RATE (ml/min)
04/13/17	1325	—	5.02	343	11.0	0.56	—

Sample Appearance: CLEAR **Odor:** NONE **Color:** NONE **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 mph from SW ↗ Air Temp: ~45°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

"RINSE BLANK #2" SAMPLE COLLECTED BY POURING LAB-SUPPLIED DI WATER OVER SS. BAILER + INTO SAMPLE CONTAINERS AFTER DECON + USE AT WELL MW-107

Sample I.D. #: RB-041317-NK-016 Samples Collected: SSIPL VOCs (3-40 ml VIALS)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature	Company
4/13/17	NICK A KAROW	[signature]	Eagon & Associates, Inc.

FIELD METER CALIBRATION RECORD

Project Name: Summit National Superfund Sampler(s): Andrew Barchowsky, Nick Karow

pH Meter(s): Make/Model/Serial No: Oakton/300 Series/357833

Buffer Brand/Expiration: pH 4 IE/2-26-18 ; pH 7 IE/4-28-18 ; pH 10 —

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
4/12/17	1116	calibrate	4.02	7.04	—	15.5
4/13/17	710	calibrate	4.01	7.05	—	14.2

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton/300 Series/357833

Cond. Solution Brand/Expiration: IE/5-24-17 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)
4/12/17	1119	calibrate	1413	15.5
4/13/17	713	calibrate	1413	14.2

Notes: 4490 calibration
4500
4580

Turbidity Meter(s): Make/Model/Serial No.: Hach/2100Q/14110C037172

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)
4/12/17	1120	check	6.05	5.94
4/13/17	716	check	6.05	5.98

Notes:

Sampler (Name): Andrew Barchowsky
Nick A Karow

Sampler (Signature): Andrew Barchowsky

Forms\fieldmeterform2

Eagon & Associates, Inc.

FIELD METER CALIBRATION RECORD

Project Name: SUMMIT NATIONAL Sampler(s): A. GRAHAM

pH Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Buffer Brand/Expiration: pH 4 IE / 2-26-18 ; pH 7 IE / 4-28-18 ; pH 10 IE / 1-13-18

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
4/12/17	1216	Calibrate	4.02	6.99	10.01	17.0
4/13/17	0817	Calibrate	3.96	7.01	10.03	10.7

Conductivity/Temp. Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Cond. Solution Brand/Expiration: IE / 5-24-17 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/17	1210	Calibrate	1417	16.9	
4/13/17	0809	Calibrate	1414	10.7	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q / 1411 0C037175

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/17	1209	check	5.06	5.09	
4/13/17	0811	check	5.06	5.07	

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

APPENDIX B.

LABORATORY ANALYTICAL REPORTS AND FIELD FORMS, APRIL 2017 S&E DITCH SURFACE WATER AND SEDIMENT SAMPLING RESULTS

SAMPLE IDENTIFICATION SUMMARY
APRIL 2017 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Sample ID	Sample Name	Lab ID
Investigative Samples (GW)		
MW-4	GW-041317-NK-010	240-78061-11
MW-11	GW-041217-NK-002	240-78061-2
MW-107	GW-041317-NK-014	240-78061-15
MW-108	GW-041217-NK-004	240-78061-4
MW-111	GW-041217-NK-001	240-78061-1
MW-113	GW-041317-NK-009	240-78061-10
MW-114	GW-041317-NK-013	240-78061-14
MW-115	GW-041317-NK-012	240-78061-13
MW-207	GW-041217-NK-003	240-78061-3
MW-209	GW-041317-NK-011	240-78061-12
MW-220	GW-041317-NK-008	240-78061-9
MW-224	GW-041217-NK-006	240-78061-6
QA/QC Samples (GW)		
Duplicate #1 (MW-108)	GW-04217-NK-005	240-78061-5
Duplicate #2 (MW-107)	GW-04317-NK-015	240-78061-16
MS (MW-224)	GW-04217-NK-006-MS	240-78061-6MS
MSD (MW-224)	GW-04217-NK-006-MSD	240-78061-6MSD
Rinse Blank #1	RB-04217-NK-007	240-78061-7
Rinse Blank #2	RB-0417-NK-016	240-78061-17
Purge/Decon Water	Purge/Decon Water	240-78067-1
Investigative Sample (Ditch)		
S&E Ditch Sediment	SD-041317-AG-020	240-78064-1
QA/QC Samples (Ditch)		
S&E Ditch Sediment (DUP)	SD-041317-AG-021	240-78064-2
S&E Ditch Sediment (RB)	RB-041317-AG-022	240-78064-3
S&E Ditch Sediment (MS)	SD-041317-AG-020MS	240-78064-1MS
S&E Ditch Sediment (MSD)	SD-041317-AG-020MSD	240-78064-1MSD
Investigative Sample (Surface Water)		
Surface Water	SW-041317-AG-017	240-78061-19
QA/QC Samples (Surface Water)		
Surface Water (DUP)	SW-041317-AG-018	240-78061-20
Surface Water (FB)	FB-041317-AG-019	240-78061-21
Surface Water (MS)	SW-041317-AG-017MS	240-78061-19MS
Surface Water (MSD)	SW-041317-AG-017MSD	240-78061-19MSD

Notes:

DUP - Duplicate; RB - Rinse Blank; FB - Field Blank; MS - Matrix Spike; MSD - Matrix Spike Duplicate

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-78061-2
Client Project/Site: Summit National 2017 SW
Revision: 1

For:
Eagon & Associates, Inc.
100 Old Wilson Bridge Road
Suite 115
Worthington, Ohio 43085

Attn: Mr. Mike Gibson

Patrick O'Meara

Authorized for release by:
4/21/2017 3:53:12 PM

Patrick O'Meara, Manager of Project Management
(330)966-5725
patrick.omeara@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-78061-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2017 SW

Report Number: 240-78061-2

Revised

Revision 4/21/17: Corrected the sample IDs on samples SW-041317-AG-017 (240-78061-19), SW-041317-AG-018 (240-78061-20) and FB-041317-AG-019 (240-78061-21).

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT
The samples were received on 4/13/2017 2:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3º C, 1.1º C, 1.5º C and 2.3º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)
Samples SW-041317-AG-017 (240-78061-19), SW-041317-AG-018 (240-78061-20), FB-041317-AG-019 (240-78061-21) and TRIP BLANKS (240-78061-22) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/18/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)
Samples SW-041317-AG-017 (240-78061-19), SW-041317-AG-018 (240-78061-20) and FB-041317-AG-019 (240-78061-21) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/14/2017 and analyzed on 04/18/2017.

Job ID: 240-78061-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

Diethyl phthalate was detected in method blank MB 240-274728/9-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-274728/9-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 240-274728 and analytical batch 240-275088 recovered outside control limits for the following analytes: 3-Nitroaniline and Carbazole. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

3-Nitroaniline failed the recovery criteria high for the MS/MSD of sample SW-041317-AG-017 (240-78061-19) in batch 240-275088.

The continuing calibration verification (CCV) associated with batch 240-275088 recovered above the upper control limit for 4-Nitrophenol, 4-Nitroaniline, 3-Nitroaniline and Carbazole. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: SW-041317-AG-017 (240-78061-19), SW-041317-AG-017 (240-78061-19[MS]), SW-041317-AG-017 (240-78061-19[MSD]), SW-041317-AG-018 (240-78061-20) and FB-041317-AG-019 (240-78061-21).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-78061-19	SW-041317-AG-017	Water	04/13/17 08:20	04/13/17 14:34
240-78061-20	SW-041317-AG-018	Water	04/13/17 08:20	04/13/17 14:34
240-78061-21	FB-041317-AG-019	Water	04/13/17 08:50	04/13/17 14:34
240-78061-22	TRIP BLANKS	Water	04/13/17 00:00	04/13/17 14:34

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-017 — Lab Sample ID: 240-78061-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	1.6	J	2.0	0.56	ug/L	1		8260C	Total/NA
Trichloroethene	0.36	J	1.0	0.33	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	3.0	J B	4.5	1.4	ug/L	1		8270D	Total/NA
1,2-Dichlorobenzene	0.23	J	0.89	0.13	ug/L	1		8270D	Total/NA
Diethyl phthalate	2.3	B	1.8	0.11	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	1.1	J B	4.5	0.36	ug/L	1		8270D	Total/NA
1,2,4-Trichlorobenzene	0.95		0.89	0.14	ug/L	1		8270D	Total/NA

Client Sample ID: SW-041317-AG-018 — Lab Sample ID: 240-78061-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	1.6	J	2.0	0.56	ug/L	1		8260C	Total/NA
Trichloroethene	0.35	J	1.0	0.33	ug/L	1		8260C	Total/NA
Bis(2-ethylhexyl) phthalate	1.4	J B	4.5	1.4	ug/L	1		8270D	Total/NA
Diethyl phthalate	2.4	B	1.8	0.11	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.78	J B	4.5	0.36	ug/L	1		8270D	Total/NA

Client Sample ID: FB-041317-AG-019 — Lab Sample ID: 240-78061-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	2.3	B	1.8	0.11	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.75	J B	4.5	0.36	ug/L	1		8270D	Total/NA

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-78061-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-017

Lab Sample ID: 240-78061-19

Date Collected: 04/13/17 08:20
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 15:55	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 15:55	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 15:55	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 15:55	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 15:55	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 15:55	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 15:55	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 15:55	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 15:55	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 15:55	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 15:55	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 15:55	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 15:55	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 15:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 15:55	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 15:55	1
1,2-Dichloroethene, Total	**1.6**	**J**	2.0	0.56	ug/L			04/18/17 15:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 15:55	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 15:55	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 15:55	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 15:55	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 15:55	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 15:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 15:55	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 15:55	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 15:55	1
Trichloroethene	**0.36**	**J**	1.0	0.33	ug/L			04/18/17 15:55	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 15:55	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/18/17 15:55*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 124*		*04/18/17 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*		*04/18/17 15:55*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 15:55*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18	0.039	ug/L		04/14/17 08:38	04/18/17 12:21	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/14/17 08:38	04/18/17 12:21	1
Anthracene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 12:21	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 12:21	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/14/17 08:38	04/18/17 12:21	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 12:21	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/14/17 08:38	04/18/17 12:21	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 12:21	1

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-017
Date Collected: 04/13/17 08:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78061-19
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.89	0.033	ug/L		04/14/17 08:38	04/18/17 12:21	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 12:21	1
Bis(2-ethylhexyl) phthalate	**3.0**	**J B**	4.5	1.4	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/14/17 08:38	04/18/17 12:21	1
Butylbenzylphthalate	ND		1.8	0.19	ug/L		04/14/17 08:38	04/18/17 12:21	1
Carbazole	ND	*	0.89	0.094	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 12:21	1
Chrysene	ND		0.18	0.031	ug/L		04/14/17 08:38	04/18/17 12:21	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/14/17 08:38	04/18/17 12:21	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 12:21	1
1,2-Dichlorobenzene	**0.23**	**J**	0.89	0.13	ug/L		04/14/17 08:38	04/18/17 12:21	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 12:21	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 12:21	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 12:21	1
Diethyl phthalate	**2.3**	**B**	1.8	0.11	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 12:21	1
Dimethyl phthalate	ND		1.8	0.090	ug/L		04/14/17 08:38	04/18/17 12:21	1
Di-n-butyl phthalate	**1.1**	**J B**	4.5	0.36	ug/L		04/14/17 08:38	04/18/17 12:21	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/14/17 08:38	04/18/17 12:21	1
Di-n-octyl phthalate	ND		1.8	0.33	ug/L		04/14/17 08:38	04/18/17 12:21	1
Fluoranthene	ND		0.18	0.024	ug/L		04/14/17 08:38	04/18/17 12:21	1
Fluorene	ND		0.18	0.030	ug/L		04/14/17 08:38	04/18/17 12:21	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 12:21	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 12:21	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/14/17 08:38	04/18/17 12:21	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/14/17 08:38	04/18/17 12:21	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 12:21	1
Isophorone	ND		0.89	0.038	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 12:21	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/14/17 08:38	04/18/17 12:21	1
Naphthalene	ND		0.18	0.038	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 12:21	1
3-Nitroaniline	ND	* F1	1.8	0.24	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/14/17 08:38	04/18/17 12:21	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 12:21	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/14/17 08:38	04/18/17 12:21	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/14/17 08:38	04/18/17 12:21	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 12:21	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/14/17 08:38	04/18/17 12:21	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-017

Lab Sample ID: 240-78061-19

Date Collected: 04/13/17 08:20
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		36	4.9	ug/L		04/14/17 08:38	04/18/17 12:21	1
Phenanthrene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 12:21	1
Phenol	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 12:21	1
Pyrene	ND		0.18	0.025	ug/L		04/14/17 08:38	04/18/17 12:21	1
1,2,4-Trichlorobenzene	**0.95**		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/14/17 08:38	04/18/17 12:21	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*44 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*
2-Fluorophenol (Surr)	*78*		*26 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*
Nitrobenzene-d5 (Surr)	*78*		*44 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*
Phenol-d5 (Surr)	*55*		*16 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*
Terphenyl-d14 (Surr)	*79*		*43 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*36 - 120*	*04/14/17 08:38*	*04/18/17 12:21*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-018

Lab Sample ID: 240-78061-20

Date Collected: 04/13/17 08:20
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 16:18	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 16:18	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 16:18	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 16:18	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 16:18	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 16:18	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 16:18	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 16:18	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 16:18	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 16:18	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 16:18	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 16:18	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 16:18	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 16:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 16:18	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 16:18	1
1,2-Dichloroethene, Total	**1.6**	**J**	2.0	0.56	ug/L			04/18/17 16:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 16:18	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 16:18	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 16:18	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 16:18	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 16:18	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 16:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 16:18	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 16:18	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 16:18	1
Trichloroethene	**0.35**	**J**	1.0	0.33	ug/L			04/18/17 16:18	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 16:18	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*		*04/18/17 16:18*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 124*		*04/18/17 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/18/17 16:18*	*1*
Toluene-d8 (Surr)	*98*		*73 - 120*		*04/18/17 16:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18	0.039	ug/L		04/14/17 08:38	04/18/17 13:34	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/14/17 08:38	04/18/17 13:34	1
Anthracene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 13:34	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 13:34	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/14/17 08:38	04/18/17 13:34	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 13:34	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/14/17 08:38	04/18/17 13:34	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 13:34	1

Client Sample ID: SW-041317-AG-018

Lab Sample ID: 240-78061-20

Date Collected: 04/13/17 08:20

Matrix: Water

Date Received: 04/13/17 14:34

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.89	0.033	ug/L		04/14/17 08:38	04/18/17 13:34	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 13:34	1
Bis(2-ethylhexyl) phthalate	**1.4**	**J B**	4.5	1.4	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/14/17 08:38	04/18/17 13:34	1
Butylbenzylphthalate	ND		1.8	0.19	ug/L		04/14/17 08:38	04/18/17 13:34	1
Carbazole	ND	*	0.89	0.094	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 13:34	1
Chrysene	ND		0.18	0.031	ug/L		04/14/17 08:38	04/18/17 13:34	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/14/17 08:38	04/18/17 13:34	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:34	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:34	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:34	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:34	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 13:34	1
Diethyl phthalate	**2.4**	**B**	1.8	0.11	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 13:34	1
Dimethyl phthalate	ND		1.8	0.090	ug/L		04/14/17 08:38	04/18/17 13:34	1
Di-n-butyl phthalate	**0.78**	**J B**	4.5	0.36	ug/L		04/14/17 08:38	04/18/17 13:34	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/14/17 08:38	04/18/17 13:34	1
Di-n-octyl phthalate	ND		1.8	0.33	ug/L		04/14/17 08:38	04/18/17 13:34	1
Fluoranthene	ND		0.18	0.024	ug/L		04/14/17 08:38	04/18/17 13:34	1
Fluorene	ND		0.18	0.030	ug/L		04/14/17 08:38	04/18/17 13:34	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:34	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:34	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/14/17 08:38	04/18/17 13:34	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/14/17 08:38	04/18/17 13:34	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 13:34	1
Isophorone	ND		0.89	0.038	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 13:34	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/14/17 08:38	04/18/17 13:34	1
Naphthalene	ND		0.18	0.038	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 13:34	1
3-Nitroaniline	ND	*	1.8	0.24	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/14/17 08:38	04/18/17 13:34	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:34	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/14/17 08:38	04/18/17 13:34	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/14/17 08:38	04/18/17 13:34	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 13:34	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/14/17 08:38	04/18/17 13:34	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-018

Lab Sample ID: 240-78061-20

Date Collected: 04/13/17 08:20

Matrix: Water

Date Received: 04/13/17 14:34

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		36	4.9	ug/L		04/14/17 08:38	04/18/17 13:34	1
Phenanthrene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 13:34	1
Phenol	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:34	1
Pyrene	ND		0.18	0.025	ug/L		04/14/17 08:38	04/18/17 13:34	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/14/17 08:38	04/18/17 13:34	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*44 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*
2-Fluorophenol (Surr)	*71*		*26 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*
Phenol-d5 (Surr)	*62*		*16 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*
Terphenyl-d14 (Surr)	*78*		*43 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*36 - 120*	*04/14/17 08:38*	*04/18/17 13:34*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: FB-041317-AG-019

Lab Sample ID: 240-78061-21

Date Collected: 04/13/17 08:50
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 16:41	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 16:41	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 16:41	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 16:41	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 16:41	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 16:41	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 16:41	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 16:41	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 16:41	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 16:41	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 16:41	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 16:41	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 16:41	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 16:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 16:41	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 16:41	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 16:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 16:41	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 16:41	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 16:41	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 16:41	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 16:41	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 16:41	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 16:41	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 16:41	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 16:41	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 16:41	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 16:41	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/18/17 16:41*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 124*		*04/18/17 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/18/17 16:41*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 16:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18	0.039	ug/L		04/14/17 08:38	04/18/17 13:58	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/14/17 08:38	04/18/17 13:58	1
Anthracene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 13:58	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 13:58	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/14/17 08:38	04/18/17 13:58	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 13:58	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/14/17 08:38	04/18/17 13:58	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 13:58	1

Client Sample ID: FB-041317-AG-019

Lab Sample ID: 240-78061-21

Date Collected: 04/13/17 08:50

Matrix: Water

Date Received: 04/13/17 14:34

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.89	0.033	ug/L		04/14/17 08:38	04/18/17 13:58	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 13:58	1
Bis(2-ethylhexyl) phthalate	ND		4.5	1.4	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/14/17 08:38	04/18/17 13:58	1
Butylbenzylphthalate	ND		1.8	0.19	ug/L		04/14/17 08:38	04/18/17 13:58	1
Carbazole	ND	*	0.89	0.094	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 13:58	1
Chrysene	ND		0.18	0.031	ug/L		04/14/17 08:38	04/18/17 13:58	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/14/17 08:38	04/18/17 13:58	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:58	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:58	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 13:58	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:58	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 13:58	1
Diethyl phthalate	**2.3**	**B**	1.8	0.11	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 13:58	1
Dimethyl phthalate	ND		1.8	0.090	ug/L		04/14/17 08:38	04/18/17 13:58	1
Di-n-butyl phthalate	**0.75**	**J B**	4.5	0.36	ug/L		04/14/17 08:38	04/18/17 13:58	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/14/17 08:38	04/18/17 13:58	1
Di-n-octyl phthalate	ND		1.8	0.33	ug/L		04/14/17 08:38	04/18/17 13:58	1
Fluoranthene	ND		0.18	0.024	ug/L		04/14/17 08:38	04/18/17 13:58	1
Fluorene	ND		0.18	0.030	ug/L		04/14/17 08:38	04/18/17 13:58	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:58	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:58	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/14/17 08:38	04/18/17 13:58	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/14/17 08:38	04/18/17 13:58	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 13:58	1
Isophorone	ND		0.89	0.038	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 13:58	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/14/17 08:38	04/18/17 13:58	1
Naphthalene	ND		0.18	0.038	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 13:58	1
3-Nitroaniline	ND	*	1.8	0.24	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/14/17 08:38	04/18/17 13:58	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:58	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/14/17 08:38	04/18/17 13:58	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/14/17 08:38	04/18/17 13:58	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 13:58	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/14/17 08:38	04/18/17 13:58	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: FB-041317-AG-019

Lab Sample ID: 240-78061-21

Date Collected: 04/13/17 08:50

Matrix: Water

Date Received: 04/13/17 14:34

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		36	4.9	ug/L		04/14/17 08:38	04/18/17 13:58	1
Phenanthrene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 13:58	1
Phenol	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 13:58	1
Pyrene	ND		0.18	0.025	ug/L		04/14/17 08:38	04/18/17 13:58	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/14/17 08:38	04/18/17 13:58	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*
2-Fluorophenol (Surr)	*75*		*26 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*
Phenol-d5 (Surr)	*56*		*16 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*
Terphenyl-d14 (Surr)	*80*		*43 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*36 - 120*	*04/14/17 08:38*	*04/18/17 13:58*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-78061-22

Date Collected: 04/13/17 00:00
Matrix: Water
Date Received: 04/13/17 14:34

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 17:04	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 17:04	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 17:04	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 17:04	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 17:04	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 17:04	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 17:04	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 17:04	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 17:04	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 17:04	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 17:04	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 17:04	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 17:04	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 17:04	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 17:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 17:04	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 17:04	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 17:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 17:04	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 17:04	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 17:04	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 17:04	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 17:04	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 17:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 17:04	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 17:04	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 17:04	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 17:04	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 17:04	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 17:04	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 17:04	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 17:04	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*69 - 120*		*04/18/17 17:04*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 124*		*04/18/17 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*61 - 138*		*04/18/17 17:04*	*1*
Toluene-d8 (Surr)	*96*		*73 - 120*		*04/18/17 17:04*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(69-120)	(69-124)	(61-138)	(73-120)
240-78061-19	SW-041317-AG-017	97	95	94	99
240-78061-19 MS	SW-041317-AG-017	98	90	94	101
240-78061-19 MSD	SW-041317-AG-017	98	90	88	98
240-78061-20	SW-041317-AG-018	98	93	92	98
240-78061-21	FB-041317-AG-019	97	90	93	99
240-78061-22	TRIP BLANKS	95	93	92	96
LCS 240-275134/8	Lab Control Sample	96	91	90	99
MB 240-275134/7	Method Blank	96	91	93	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(44-120)	(26-120)	(44-120)	(16-120)	(43-120)	(36-120)
240-78061-19	SW-041317-AG-017	74	78	78	55	79	74
240-78061-19 MS	SW-041317-AG-017	79	87	84	69	76	84
240-78061-19 MSD	SW-041317-AG-017	70	79	77	58	70	77
240-78061-20	SW-041317-AG-018	71	71	76	62	78	71
240-78061-21	FB-041317-AG-019	72	75	76	56	80	69
LCS 240-274728/10-A	Lab Control Sample	93	107	99	81	90	92
LCSD 240-274728/11-A	Lab Control Sample Dup	83	90	89	83	80	85
MB 240-274728/9-A	Method Blank	72	96	73	80	72	69

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-275134/7
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 11:40	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 11:40	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 11:40	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 11:40	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 11:40	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 11:40	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 11:40	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 11:40	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 11:40	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 11:40	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 11:40	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 11:40	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 11:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 11:40	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 11:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 11:40	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 11:40	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 11:40	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 11:40	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 11:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 11:40	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 11:40	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 11:40	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 11:40	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/18/17 11:40*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/18/17 11:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/18/17 11:40*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 11:40*	*1*

Lab Sample ID: LCS 240-275134/8
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	29.2		ug/L		73	35 - 131
Benzene	20.0	19.0		ug/L		95	79 - 120
Bromodichloromethane	20.0	18.0		ug/L		90	79 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-275134/8
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	20.0	17.2		ug/L		86	55 - 145
Bromomethane	20.0	18.7		ug/L		94	17 - 158
2-Butanone	40.0	33.8		ug/L		85	43 - 149
Carbon disulfide	20.0	19.7		ug/L		99	49 - 141
Carbon tetrachloride	20.0	17.9		ug/L		89	55 - 171
Chlorobenzene	20.0	19.3		ug/L		96	80 - 120
Chloroethane	20.0	21.4		ug/L		107	10 - 149
Chloroform	20.0	19.0		ug/L		95	80 - 120
Chloromethane	20.0	17.2		ug/L		86	59 - 124
cis-1,3-Dichloropropene	20.0	17.2		ug/L		86	75 - 120
Dibromochloromethane	20.0	18.3		ug/L		92	64 - 129
1,1-Dichloroethane	20.0	19.7		ug/L		98	74 - 120
1,2-Dichloroethane	20.0	18.6		ug/L		93	68 - 133
1,1-Dichloroethene	20.0	19.7		ug/L		99	65 - 127
1,2-Dichloroethene, Total	40.0	38.2		ug/L		96	76 - 121
1,2-Dichloropropane	20.0	19.3		ug/L		97	78 - 127
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
2-Hexanone	40.0	38.1		ug/L		95	28 - 169
Methylene Chloride	20.0	18.7		ug/L		94	64 - 140
4-Methyl-2-pentanone	40.0	36.4		ug/L		91	53 - 144
Styrene	20.0	19.6		ug/L		98	80 - 121
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	58 - 122
Tetrachloroethene	20.0	19.7		ug/L		99	80 - 122
Toluene	20.0	20.3		ug/L		102	78 - 120
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	64 - 147
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	76 - 121
Trichloroethene	20.0	18.3		ug/L		92	76 - 124
Vinyl chloride	20.0	19.7		ug/L		98	65 - 124
Xylenes, Total	40.0	40.1		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*
Dibromofluoromethane (Surr)	*91*		*69 - 124*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 138*
Toluene-d8 (Surr)	*99*		*73 - 120*

Lab Sample ID: 240-78061-19 MS
Matrix: Water
Analysis Batch: 275134

Client Sample ID: SW-041317-AG-017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		40.0	25.0		ug/L		62	19 - 133
Benzene	ND		20.0	18.2		ug/L		91	69 - 127
Bromodichloromethane	ND		20.0	16.7		ug/L		84	75 - 128
Bromoform	ND		20.0	15.6		ug/L		78	61 - 135
Bromomethane	ND		20.0	18.6		ug/L		93	10 - 148
2-Butanone	ND		40.0	28.2		ug/L		71	34 - 153

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-78061-19 MS — **Client Sample ID: SW-041317-AG-017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275134

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	ND		20.0	19.1		ug/L		96	46 - 143
Carbon tetrachloride	ND		20.0	17.7		ug/L		89	53 - 175
Chlorobenzene	ND		20.0	18.8		ug/L		94	76 - 120
Chloroethane	ND		20.0	21.0		ug/L		105	10 - 141
Chloroform	ND		20.0	17.9		ug/L		89	74 - 125
Chloromethane	ND		20.0	16.0		ug/L		80	34 - 127
cis-1,3-Dichloropropene	ND		20.0	15.6		ug/L		78	68 - 120
Dibromochloromethane	ND		20.0	17.2		ug/L		86	62 - 131
1,1-Dichloroethane	ND		20.0	18.3		ug/L		92	69 - 122
1,2-Dichloroethane	ND		20.0	17.5		ug/L		88	64 - 138
1,1-Dichloroethene	ND		20.0	19.2		ug/L		96	62 - 127
1,2-Dichloroethene, Total	1.6	J	40.0	38.1		ug/L		91	68 - 129
1,2-Dichloropropane	ND		20.0	18.1		ug/L		90	72 - 131
Ethylbenzene	ND		20.0	19.7		ug/L		98	72 - 121
2-Hexanone	ND		40.0	33.4		ug/L		83	21 - 184
Methylene Chloride	ND		20.0	16.5		ug/L		82	52 - 137
4-Methyl-2-pentanone	ND		40.0	31.6		ug/L		79	53 - 147
Styrene	ND		20.0	19.1		ug/L		96	74 - 125
1,1,2,2-Tetrachloroethane	ND		20.0	18.3		ug/L		91	51 - 123
Tetrachloroethene	ND		20.0	19.6		ug/L		98	69 - 126
Toluene	ND		20.0	19.4		ug/L		97	69 - 125
trans-1,3-Dichloropropene	ND		20.0	16.4		ug/L		82	59 - 120
1,1,1-Trichloroethane	ND		20.0	18.7		ug/L		93	57 - 156
1,1,2-Trichloroethane	ND		20.0	18.4		ug/L		92	68 - 127
Trichloroethene	0.36	J	20.0	17.4		ug/L		85	68 - 129
Vinyl chloride	ND		20.0	19.2		ug/L		96	55 - 123
Xylenes, Total	ND		40.0	39.0		ug/L		98	71 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*
Dibromofluoromethane (Surr)	*90*		*69 - 124*
1,2-Dichloroethane-d4 (Surr)	*94*		*61 - 138*
Toluene-d8 (Surr)	*101*		*73 - 120*

Lab Sample ID: 240-78061-19 MSD — **Client Sample ID: SW-041317-AG-017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		40.0	25.4		ug/L		64	19 - 133	2	35
Benzene	ND		20.0	16.9		ug/L		84	69 - 127	8	10
Bromodichloromethane	ND		20.0	15.6		ug/L		78	75 - 128	7	13
Bromoform	ND		20.0	14.7		ug/L		74	61 - 135	6	13
Bromomethane	ND		20.0	17.4		ug/L		87	10 - 148	7	35
2-Butanone	ND		40.0	27.7		ug/L		69	34 - 153	2	23
Carbon disulfide	ND		20.0	18.2		ug/L		91	46 - 143	5	18
Carbon tetrachloride	ND		20.0	16.6		ug/L		83	53 - 175	7	17
Chlorobenzene	ND		20.0	16.9		ug/L		85	76 - 120	11	12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-78061-19 MSD — **Client Sample ID: SW-041317-AG-017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275134

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		20.0	20.0		ug/L		100	10 - 141	5	35
Chloroform	ND		20.0	16.8		ug/L		84	74 - 125	6	11
Chloromethane	ND		20.0	15.9		ug/L		79	34 - 127	1	25
cis-1,3-Dichloropropene	ND		20.0	14.3		ug/L		72	68 - 120	8	13
Dibromochloromethane	ND		20.0	15.8		ug/L		79	62 - 131	8	15
1,1-Dichloroethane	ND		20.0	17.4		ug/L		87	69 - 122	5	11
1,2-Dichloroethane	ND		20.0	16.2		ug/L		81	64 - 138	8	11
1,1-Dichloroethene	ND		20.0	18.8		ug/L		94	62 - 127	2	14
1,2-Dichloroethene, Total	1.6	J	40.0	36.1		ug/L		86	68 - 129	5	10
1,2-Dichloropropane	ND		20.0	16.5		ug/L		82	72 - 131	9	12
Ethylbenzene	ND		20.0	17.5		ug/L		88	72 - 121	12	15
2-Hexanone	ND		40.0	32.0		ug/L		80	21 - 184	4	12
Methylene Chloride	ND		20.0	16.0		ug/L		80	52 - 137	3	12
4-Methyl-2-pentanone	ND		40.0	30.0		ug/L		75	53 - 147	5	16
Styrene	ND		20.0	17.2		ug/L		86	74 - 125	11	14
1,1,2,2-Tetrachloroethane	ND		20.0	17.8		ug/L		89	51 - 123	3	17
Tetrachloroethene	ND		20.0	17.4		ug/L		87	69 - 126	11	18
Toluene	ND		20.0	17.6		ug/L		88	69 - 125	10	14
trans-1,3-Dichloropropene	ND		20.0	15.5		ug/L		78	59 - 120	5	14
1,1,1-Trichloroethane	ND		20.0	17.4		ug/L		87	57 - 156	7	13
1,1,2-Trichloroethane	ND		20.0	17.1		ug/L		86	68 - 127	7	11
Trichloroethene	0.36	J	20.0	16.2		ug/L		79	68 - 129	7	12
Vinyl chloride	ND		20.0	18.7		ug/L		94	55 - 123	2	12
Xylenes, Total	ND		40.0	34.7		ug/L		87	71 - 122	12	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*69 - 120*
Dibromofluoromethane (Surr)	*90*		*69 - 124*
1,2-Dichloroethane-d4 (Surr)	*88*		*61 - 138*
Toluene-d8 (Surr)	*98*		*73 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-274728/9-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275088 — **Prep Batch: 274728**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		04/14/17 08:38	04/18/17 09:07	1
Acenaphthylene	ND		0.20	0.020	ug/L		04/14/17 08:38	04/18/17 09:07	1
Anthracene	ND		0.20	0.031	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[a]anthracene	ND		0.20	0.059	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[a]pyrene	ND		0.20	0.030	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[b]fluoranthene	ND		0.20	0.059	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[g,h,i]perylene	ND		0.20	0.050	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		04/14/17 08:38	04/18/17 09:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.037	ug/L		04/14/17 08:38	04/18/17 09:07	1
Bis(2-chloroethyl)ether	ND		1.0	0.19	ug/L		04/14/17 08:38	04/18/17 09:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-274728/9-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.89	J	5.0	1.5	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Bromophenyl phenyl ether	ND		2.0	0.35	ug/L		04/14/17 08:38	04/18/17 09:07	1
Butylbenzylphthalate	ND		2.0	0.22	ug/L		04/14/17 08:38	04/18/17 09:07	1
Carbazole	ND		1.0	0.11	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chloroaniline	ND		2.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chloro-3-methylphenol	ND		2.0	0.28	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Chloronaphthalene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Chlorophenol	ND		1.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		04/14/17 08:38	04/18/17 09:07	1
Chrysene	ND		0.20	0.035	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dibenzofuran	ND		1.0	0.14	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
3,3'-Dichlorobenzidine	ND		5.0	0.35	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dichlorophenol	ND		2.0	0.29	ug/L		04/14/17 08:38	04/18/17 09:07	1
Diethyl phthalate	2.41		2.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dimethylphenol	ND		2.0	0.31	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dimethyl phthalate	ND		2.0	0.10	ug/L		04/14/17 08:38	04/18/17 09:07	1
Di-n-butyl phthalate	1.23	J	5.0	0.40	ug/L		04/14/17 08:38	04/18/17 09:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.53	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dinitrophenol	ND		40	6.1	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dinitrotoluene	ND		5.0	0.26	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,6-Dinitrotoluene	ND		5.0	0.24	ug/L		04/14/17 08:38	04/18/17 09:07	1
Di-n-octyl phthalate	ND		2.0	0.37	ug/L		04/14/17 08:38	04/18/17 09:07	1
Fluoranthene	ND		0.20	0.027	ug/L		04/14/17 08:38	04/18/17 09:07	1
Fluorene	ND		0.20	0.034	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorobenzene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorobutadiene	ND		1.0	0.14	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorocyclopentadiene	ND		10	2.5	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachloroethane	ND		1.0	0.22	ug/L		04/14/17 08:38	04/18/17 09:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.048	ug/L		04/14/17 08:38	04/18/17 09:07	1
Isophorone	ND		1.0	0.042	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Methylnaphthalene	ND		0.20	0.037	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Methylphenol	ND		1.0	0.19	ug/L		04/14/17 08:38	04/18/17 09:07	1
3 & 4 Methylphenol	ND		2.0	0.34	ug/L		04/14/17 08:38	04/18/17 09:07	1
Naphthalene	ND		0.20	0.043	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Nitroaniline	ND		2.0	0.31	ug/L		04/14/17 08:38	04/18/17 09:07	1
3-Nitroaniline	ND		2.0	0.27	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Nitroaniline	ND		2.0	0.24	ug/L		04/14/17 08:38	04/18/17 09:07	1
Nitrobenzene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Nitrophenol	ND		2.0	0.21	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Nitrophenol	ND		5.0	0.59	ug/L		04/14/17 08:38	04/18/17 09:07	1
N-Nitrosodi-n-propylamine	ND		1.0	0.16	ug/L		04/14/17 08:38	04/18/17 09:07	1
N-Nitrosodiphenylamine	ND		1.0	0.11	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.18	ug/L		04/14/17 08:38	04/18/17 09:07	1
Pentachlorophenol	ND		40	5.5	ug/L		04/14/17 08:38	04/18/17 09:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-274728/9-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.031	ug/L		04/14/17 08:38	04/18/17 09:07	1
Phenol	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
Pyrene	ND		0.20	0.028	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4,5-Trichlorophenol	ND		5.0	0.37	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4,6-Trichlorophenol	ND		5.0	0.26	ug/L		04/14/17 08:38	04/18/17 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
2-Fluorophenol (Surr)	*96*		*26 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Phenol-d5 (Surr)	*80*		*16 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Terphenyl-d14 (Surr)	*72*		*43 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*36 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*

Lab Sample ID: LCS 240-274728/10-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	28.6		ug/L		89	58 - 120
Acenaphthylene	32.0	27.8		ug/L		87	59 - 120
Anthracene	32.0	27.7		ug/L		86	58 - 120
Benzo[a]anthracene	32.0	26.6		ug/L		83	58 - 120
Benzo[a]pyrene	32.0	28.7		ug/L		90	63 - 120
Benzo[b]fluoranthene	32.0	28.8		ug/L		90	59 - 120
Benzo[g,h,i]perylene	32.0	27.5		ug/L		86	41 - 127
Benzo[k]fluoranthene	32.0	29.1		ug/L		91	61 - 120
Bis(2-chloroethoxy)methane	32.0	28.2		ug/L		88	63 - 120
Bis(2-chloroethyl)ether	32.0	26.7		ug/L		84	57 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.1		ug/L		94	62 - 120
4-Bromophenyl phenyl ether	32.0	26.8		ug/L		84	55 - 120
Butylbenzylphthalate	32.0	28.9		ug/L		90	60 - 120
Carbazole	32.0	46.2	*	ug/L		144	59 - 120
4-Chloroaniline	32.0	29.2		ug/L		91	10 - 120
4-Chloro-3-methylphenol	32.0	30.3		ug/L		95	59 - 120
2-Chloronaphthalene	32.0	27.3		ug/L		85	56 - 120
2-Chlorophenol	32.0	28.8		ug/L		90	62 - 120
4-Chlorophenyl phenyl ether	32.0	27.6		ug/L		86	57 - 120
Chrysene	32.0	26.4		ug/L		83	59 - 120
Dibenz(a,h)anthracene	32.0	26.5		ug/L		83	39 - 125
Dibenzofuran	32.0	27.5		ug/L		86	58 - 120
1,2-Dichlorobenzene	32.0	26.5		ug/L		83	10 - 120
1,3-Dichlorobenzene	32.0	25.6		ug/L		80	10 - 120
1,4-Dichlorobenzene	32.0	25.9		ug/L		81	10 - 120
3,3'-Dichlorobenzidine	64.0	52.0		ug/L		81	10 - 120
2,4-Dichlorophenol	32.0	30.5		ug/L		95	63 - 120
Diethyl phthalate	32.0	32.5		ug/L		102	64 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-274728/10-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	32.0	28.3		ug/L		88	41 - 120
Dimethyl phthalate	32.0	29.7		ug/L		93	63 - 120
Di-n-butyl phthalate	32.0	29.4		ug/L		92	58 - 120
4,6-Dinitro-2-methylphenol	64.0	43.7		ug/L		68	40 - 120
2,4-Dinitrophenol	64.0	36.6	J	ug/L		57	20 - 120
2,4-Dinitrotoluene	32.0	29.8		ug/L		93	62 - 120
2,6-Dinitrotoluene	32.0	29.5		ug/L		92	63 - 120
Di-n-octyl phthalate	32.0	29.9		ug/L		94	58 - 128
Fluoranthene	32.0	29.5		ug/L		92	59 - 120
Fluorene	32.0	28.8		ug/L		90	57 - 120
Hexachlorobenzene	32.0	26.7		ug/L		83	48 - 120
Hexachlorobutadiene	32.0	26.1		ug/L		82	47 - 120
Hexachlorocyclopentadiene	32.0	24.1		ug/L		75	24 - 120
Hexachloroethane	32.0	25.8		ug/L		80	48 - 120
Indeno[1,2,3-cd]pyrene	32.0	27.2		ug/L		85	49 - 121
Isophorone	32.0	29.1		ug/L		91	66 - 120
2-Methylnaphthalene	32.0	28.1		ug/L		88	57 - 120
2-Methylphenol	32.0	28.8		ug/L		90	55 - 120
3 & 4 Methylphenol	32.0	28.9		ug/L		90	53 - 120
Naphthalene	32.0	28.1		ug/L		88	58 - 120
2-Nitroaniline	32.0	31.3		ug/L		98	62 - 120
3-Nitroaniline	32.0	65.1	*	ug/L		203	10 - 171
4-Nitroaniline	32.0	40.9		ug/L		128	32 - 132
Nitrobenzene	32.0	29.6		ug/L		92	63 - 120
2-Nitrophenol	32.0	29.4		ug/L		92	65 - 120
4-Nitrophenol	64.0	54.0		ug/L		84	18 - 120
N-Nitrosodi-n-propylamine	32.0	29.2		ug/L		91	63 - 120
N-Nitrosodiphenylamine	32.0	28.7		ug/L		90	54 - 120
2,2'-oxybis[1-chloropropane]	32.0	28.9		ug/L		90	61 - 120
Pentachlorophenol	64.0	45.9	J	ug/L		72	33 - 120
Phenanthrene	32.0	27.1		ug/L		85	57 - 120
Phenol	32.0	24.6		ug/L		77	21 - 120
Pyrene	32.0	26.5		ug/L		83	57 - 120
1,2,4-Trichlorobenzene	32.0	25.6		ug/L		80	61 - 120
2,4,5-Trichlorophenol	32.0	29.7		ug/L		93	61 - 120
2,4,6-Trichlorophenol	32.0	28.7		ug/L		90	57 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*93*		*44 - 120*
2-Fluorophenol (Surr)	*107*		*26 - 120*
Nitrobenzene-d5 (Surr)	*99*		*44 - 120*
Phenol-d5 (Surr)	*81*		*16 - 120*
Terphenyl-d14 (Surr)	*90*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*92*		*36 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274728/11-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	32.0	25.5		ug/L		80	58 - 120	11	35
Acenaphthylene	32.0	24.7		ug/L		77	59 - 120	12	35
Anthracene	32.0	25.1		ug/L		78	58 - 120	10	35
Benzo[a]anthracene	32.0	23.8		ug/L		74	58 - 120	11	35
Benzo[a]pyrene	32.0	26.3		ug/L		82	63 - 120	9	35
Benzo[b]fluoranthene	32.0	26.7		ug/L		84	59 - 120	7	35
Benzo[g,h,i]perylene	32.0	24.7		ug/L		77	41 - 127	11	35
Benzo[k]fluoranthene	32.0	26.3		ug/L		82	61 - 120	10	35
Bis(2-chloroethoxy)methane	32.0	25.2		ug/L		79	63 - 120	11	35
Bis(2-chloroethyl)ether	32.0	24.9		ug/L		78	57 - 120	7	35
Bis(2-ethylhexyl) phthalate	32.0	26.1		ug/L		81	62 - 120	14	35
4-Bromophenyl phenyl ether	32.0	24.5		ug/L		76	55 - 120	9	35
Butylbenzylphthalate	32.0	25.8		ug/L		81	60 - 120	11	35
Carbazole	32.0	41.8	*	ug/L		131	59 - 120	10	35
4-Chloroaniline	32.0	24.8		ug/L		78	10 - 120	16	35
4-Chloro-3-methylphenol	32.0	27.7		ug/L		86	59 - 120	9	35
2-Chloronaphthalene	32.0	24.3		ug/L		76	56 - 120	12	35
2-Chlorophenol	32.0	26.6		ug/L		83	62 - 120	8	35
4-Chlorophenyl phenyl ether	32.0	25.0		ug/L		78	57 - 120	10	35
Chrysene	32.0	23.9		ug/L		75	59 - 120	10	35
Dibenz(a,h)anthracene	32.0	24.7		ug/L		77	39 - 125	7	35
Dibenzofuran	32.0	24.6		ug/L		77	58 - 120	11	35
1,2-Dichlorobenzene	32.0	24.0		ug/L		75	10 - 120	10	35
1,3-Dichlorobenzene	32.0	22.7		ug/L		71	10 - 120	12	35
1,4-Dichlorobenzene	32.0	22.5		ug/L		70	10 - 120	14	35
3,3'-Dichlorobenzidine	64.0	48.0		ug/L		75	10 - 120	8	35
2,4-Dichlorophenol	32.0	27.3		ug/L		85	63 - 120	11	35
Diethyl phthalate	32.0	29.4		ug/L		92	64 - 120	10	35
2,4-Dimethylphenol	32.0	25.9		ug/L		81	41 - 120	9	35
Dimethyl phthalate	32.0	27.1		ug/L		85	63 - 120	9	35
Di-n-butyl phthalate	32.0	26.2		ug/L		82	58 - 120	11	35
4,6-Dinitro-2-methylphenol	64.0	40.8		ug/L		64	40 - 120	7	35
2,4-Dinitrophenol	64.0	34.2	J	ug/L		53	20 - 120	7	35
2,4-Dinitrotoluene	32.0	26.6		ug/L		83	62 - 120	11	35
2,6-Dinitrotoluene	32.0	26.4		ug/L		82	63 - 120	11	35
Di-n-octyl phthalate	32.0	27.3		ug/L		85	58 - 128	9	35
Fluoranthene	32.0	26.7		ug/L		83	59 - 120	10	35
Fluorene	32.0	25.5		ug/L		80	57 - 120	12	35
Hexachlorobenzene	32.0	23.6		ug/L		74	48 - 120	12	35
Hexachlorobutadiene	32.0	23.7		ug/L		74	47 - 120	10	35
Hexachlorocyclopentadiene	32.0	21.6		ug/L		68	24 - 120	11	35
Hexachloroethane	32.0	22.7		ug/L		71	48 - 120	13	35
Indeno[1,2,3-cd]pyrene	32.0	24.9		ug/L		78	49 - 121	9	35
Isophorone	32.0	26.2		ug/L		82	66 - 120	10	35
2-Methylnaphthalene	32.0	25.3		ug/L		79	57 - 120	11	35
2-Methylphenol	32.0	27.8		ug/L		87	55 - 120	4	35
3 & 4 Methylphenol	32.0	27.4		ug/L		85	53 - 120	6	35
Naphthalene	32.0	25.1		ug/L		78	58 - 120	11	35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274728/11-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitroaniline	32.0	28.0		ug/L		87	62 - 120	11	35
3-Nitroaniline	32.0	57.7	*	ug/L		180	10 - 171	12	35
4-Nitroaniline	32.0	36.4		ug/L		114	32 - 132	12	35
Nitrobenzene	32.0	27.1		ug/L		85	63 - 120	9	35
2-Nitrophenol	32.0	25.5		ug/L		80	65 - 120	14	35
4-Nitrophenol	64.0	51.3		ug/L		80	18 - 120	5	35
N-Nitrosodi-n-propylamine	32.0	27.4		ug/L		86	63 - 120	6	35
N-Nitrosodiphenylamine	32.0	25.2		ug/L		79	54 - 120	13	35
2,2'-oxybis[1-chloropropane]	32.0	27.2		ug/L		85	61 - 120	6	35
Pentachlorophenol	64.0	41.4	J	ug/L		65	33 - 120	10	35
Phenanthrene	32.0	24.6		ug/L		77	57 - 120	10	35
Phenol	32.0	24.5		ug/L		77	21 - 120	0	35
Pyrene	32.0	24.1		ug/L		75	57 - 120	10	35
1,2,4-Trichlorobenzene	32.0	23.4		ug/L		73	61 - 120	9	35
2,4,5-Trichlorophenol	32.0	26.6		ug/L		83	61 - 120	11	35
2,4,6-Trichlorophenol	32.0	25.7		ug/L		80	57 - 120	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*
2-Fluorophenol (Surr)	*90*		*26 - 120*
Nitrobenzene-d5 (Surr)	*89*		*44 - 120*
Phenol-d5 (Surr)	*83*		*16 - 120*
Terphenyl-d14 (Surr)	*80*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*85*		*36 - 120*

Lab Sample ID: 240-78061-19 MS
Matrix: Water
Analysis Batch: 275088

Client Sample ID: SW-041317-AG-017
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		28.6	19.9		ug/L		70	34 - 120
Acenaphthylene	ND		28.6	20.0		ug/L		70	33 - 120
Anthracene	ND		28.6	20.3		ug/L		71	35 - 120
Benzo[a]anthracene	ND		28.6	19.2		ug/L		67	35 - 120
Benzo[a]pyrene	ND		28.6	21.3		ug/L		75	34 - 120
Benzo[b]fluoranthene	ND		28.6	21.4		ug/L		75	36 - 122
Benzo[g,h,i]perylene	ND		28.6	19.6		ug/L		69	10 - 129
Benzo[k]fluoranthene	ND		28.6	21.9		ug/L		77	38 - 120
Bis(2-chloroethoxy)methane	ND		28.6	21.2		ug/L		74	34 - 120
Bis(2-chloroethyl)ether	ND		28.6	21.3		ug/L		74	31 - 121
Bis(2-ethylhexyl) phthalate	3.0	J B	28.6	21.9		ug/L		66	27 - 120
4-Bromophenyl phenyl ether	ND		28.6	19.7		ug/L		69	27 - 120
Butylbenzylphthalate	ND		28.6	21.9		ug/L		77	30 - 120
Carbazole	ND	*	28.6	33.1		ug/L		116	10 - 120
4-Chloroaniline	ND		28.6	19.8		ug/L		69	10 - 120
4-Chloro-3-methylphenol	ND		28.6	22.9		ug/L		80	15 - 127
2-Chloronaphthalene	ND		28.6	19.0		ug/L		66	25 - 120
2-Chlorophenol	ND		28.6	23.8		ug/L		83	34 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78061-19 MS — **Client Sample ID: SW-041317-AG-017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275088 — **Prep Batch: 274728**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	ND		28.6	19.1		ug/L		67	26 - 120
Chrysene	ND		28.6	19.5		ug/L		68	37 - 120
Dibenz(a,h)anthracene	ND		28.6	19.7		ug/L		69	10 - 120
Dibenzofuran	ND		28.6	19.6		ug/L		69	28 - 120
1,2-Dichlorobenzene	0.23	J	28.6	17.7		ug/L		61	39 - 120
1,3-Dichlorobenzene	ND		28.6	15.8		ug/L		55	36 - 120
1,4-Dichlorobenzene	ND		28.6	16.4		ug/L		58	37 - 120
3,3'-Dichlorobenzidine	ND		57.1	34.0		ug/L		59	10 - 120
2,4-Dichlorophenol	ND		28.6	23.8		ug/L		83	33 - 120
Diethyl phthalate	2.3	B	28.6	25.4		ug/L		81	33 - 120
2,4-Dimethylphenol	ND		28.6	22.0		ug/L		77	17 - 120
Dimethyl phthalate	ND		28.6	22.2		ug/L		78	32 - 120
Di-n-butyl phthalate	1.1	J B	28.6	21.0		ug/L		70	31 - 120
4,6-Dinitro-2-methylphenol	ND		57.1	35.8		ug/L		63	11 - 120
2,4-Dinitrophenol	ND		57.1	30.1	J	ug/L		53	10 - 127
2,4-Dinitrotoluene	ND		28.6	23.3		ug/L		82	33 - 120
2,6-Dinitrotoluene	ND		28.6	21.9		ug/L		77	32 - 120
Di-n-octyl phthalate	ND		28.6	23.7		ug/L		83	10 - 120
Fluoranthene	ND		28.6	21.2		ug/L		74	36 - 120
Fluorene	ND		28.6	20.3		ug/L		71	35 - 120
Hexachlorobenzene	ND		28.6	19.4		ug/L		68	25 - 120
Hexachlorobutadiene	ND		28.6	17.8		ug/L		62	19 - 120
Hexachlorocyclopentadiene	ND		28.6	17.7		ug/L		62	12 - 120
Hexachloroethane	ND		28.6	16.1		ug/L		56	20 - 120
Indeno[1,2,3-cd]pyrene	ND		28.6	20.0		ug/L		70	10 - 123
Isophorone	ND		28.6	21.9		ug/L		77	35 - 120
2-Methylnaphthalene	ND		28.6	19.3		ug/L		68	26 - 120
2-Methylphenol	ND		28.6	23.8		ug/L		83	31 - 120
3 & 4 Methylphenol	ND		28.6	23.9		ug/L		84	33 - 120
Naphthalene	ND		28.6	19.3		ug/L		68	14 - 120
2-Nitroaniline	ND		28.6	23.4		ug/L		82	32 - 120
3-Nitroaniline	ND	* F1	28.6	44.2	F1	ug/L		155	10 - 120
4-Nitroaniline	ND		28.6	29.5		ug/L		103	10 - 120
Nitrobenzene	ND		28.6	22.4		ug/L		78	35 - 120
2-Nitrophenol	ND		28.6	22.7		ug/L		79	32 - 122
4-Nitrophenol	ND		57.1	38.8		ug/L		68	15 - 120
N-Nitrosodi-n-propylamine	ND		28.6	23.1		ug/L		81	35 - 120
N-Nitrosodiphenylamine	ND		28.6	19.9		ug/L		70	10 - 125
2,2'-oxybis[1-chloropropane]	ND		28.6	22.2		ug/L		78	28 - 120
Pentachlorophenol	ND		57.1	39.2		ug/L		69	16 - 120
Phenanthrene	ND		28.6	20.0		ug/L		70	36 - 120
Phenol	ND		28.6	18.1		ug/L		63	20 - 120
Pyrene	ND		28.6	19.6		ug/L		69	36 - 120
1,2,4-Trichlorobenzene	0.95		28.6	17.6		ug/L		58	39 - 120
2,4,5-Trichlorophenol	ND		28.6	22.9		ug/L		80	29 - 120
2,4,6-Trichlorophenol	ND		28.6	22.0		ug/L		77	29 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78061-19 MS
Matrix: Water
Analysis Batch: 275088

Client Sample ID: SW-041317-AG-017
Prep Type: Total/NA
Prep Batch: 274728

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*79*		*44 - 120*
2-Fluorophenol (Surr)	*87*		*26 - 120*
Nitrobenzene-d5 (Surr)	*84*		*44 - 120*
Phenol-d5 (Surr)	*69*		*16 - 120*
Terphenyl-d14 (Surr)	*76*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*84*		*36 - 120*

Lab Sample ID: 240-78061-19 MSD
Matrix: Water
Analysis Batch: 275088

Client Sample ID: SW-041317-AG-017
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		28.6	18.7		ug/L		65	34 - 120	7	35
Acenaphthylene	ND		28.6	18.5		ug/L		65	33 - 120	8	35
Anthracene	ND		28.6	19.4		ug/L		68	35 - 120	4	35
Benzo[a]anthracene	ND		28.6	17.9		ug/L		63	35 - 120	7	35
Benzo[a]pyrene	ND		28.6	20.2		ug/L		71	34 - 120	6	35
Benzo[b]fluoranthene	ND		28.6	20.0		ug/L		70	36 - 122	7	35
Benzo[g,h,i]perylene	ND		28.6	18.6		ug/L		65	10 - 129	5	35
Benzo[k]fluoranthene	ND		28.6	20.4		ug/L		71	38 - 120	7	35
Bis(2-chloroethoxy)methane	ND		28.6	19.7		ug/L		69	34 - 120	8	35
Bis(2-chloroethyl)ether	ND		28.6	17.5		ug/L		61	31 - 121	19	35
Bis(2-ethylhexyl) phthalate	3.0	J B	28.6	20.1		ug/L		60	27 - 120	9	35
4-Bromophenyl phenyl ether	ND		28.6	18.4		ug/L		64	27 - 120	7	35
Butylbenzylphthalate	ND		28.6	20.0		ug/L		70	30 - 120	9	35
Carbazole	ND	*	28.6	31.8		ug/L		111	10 - 120	4	35
4-Chloroaniline	ND		28.6	22.2		ug/L		78	10 - 120	11	35
4-Chloro-3-methylphenol	ND		28.6	21.7		ug/L		76	15 - 127	5	35
2-Chloronaphthalene	ND		28.6	17.8		ug/L		62	25 - 120	7	35
2-Chlorophenol	ND		28.6	19.6		ug/L		69	34 - 120	19	35
4-Chlorophenyl phenyl ether	ND		28.6	18.3		ug/L		64	26 - 120	4	35
Chrysene	ND		28.6	18.0		ug/L		63	37 - 120	8	35
Dibenz(a,h)anthracene	ND		28.6	18.4		ug/L		64	10 - 120	7	35
Dibenzofuran	ND		28.6	18.2		ug/L		64	28 - 120	7	35
1,2-Dichlorobenzene	0.23	J	28.6	16.0		ug/L		55	39 - 120	10	35
1,3-Dichlorobenzene	ND		28.6	15.1		ug/L		53	36 - 120	5	35
1,4-Dichlorobenzene	ND		28.6	15.3		ug/L		54	37 - 120	7	35
3,3'-Dichlorobenzidine	ND		57.1	31.2		ug/L		55	10 - 120	8	35
2,4-Dichlorophenol	ND		28.6	22.1		ug/L		77	33 - 120	7	35
Diethyl phthalate	2.3	B	28.6	23.1		ug/L		73	33 - 120	9	35
2,4-Dimethylphenol	ND		28.6	20.2		ug/L		71	17 - 120	8	35
Dimethyl phthalate	ND		28.6	21.0		ug/L		73	32 - 120	6	35
Di-n-butyl phthalate	1.1	J B	28.6	20.0		ug/L		66	31 - 120	5	35
4,6-Dinitro-2-methylphenol	ND		57.1	33.6		ug/L		59	11 - 120	6	35
2,4-Dinitrophenol	ND		57.1	28.1	J	ug/L		49	10 - 127	7	35
2,4-Dinitrotoluene	ND		28.6	21.6		ug/L		75	33 - 120	8	35
2,6-Dinitrotoluene	ND		28.6	21.0		ug/L		74	32 - 120	4	35
Di-n-octyl phthalate	ND		28.6	22.0		ug/L		77	10 - 120	8	35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78061-19 MSD | **Client Sample ID: SW-041317-AG-017**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 275088 | **Prep Batch: 274728**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	ND		28.6	20.3		ug/L		71	36 - 120	5	35
Fluorene	ND		28.6	19.1		ug/L		67	35 - 120	6	35
Hexachlorobenzene	ND		28.6	18.0		ug/L		63	25 - 120	8	35
Hexachlorobutadiene	ND		28.6	16.8		ug/L		59	19 - 120	6	35
Hexachlorocyclopentadiene	ND		28.6	16.8		ug/L		59	12 - 120	5	35
Hexachloroethane	ND		28.6	15.1		ug/L		53	20 - 120	7	35
Indeno[1,2,3-cd]pyrene	ND		28.6	18.7		ug/L		65	10 - 123	7	35
Isophorone	ND		28.6	20.2		ug/L		71	35 - 120	8	35
2-Methylnaphthalene	ND		28.6	18.0		ug/L		63	26 - 120	7	35
2-Methylphenol	ND		28.6	20.1		ug/L		70	31 - 120	17	35
3 & 4 Methylphenol	ND		28.6	20.2		ug/L		71	33 - 120	17	35
Naphthalene	ND		28.6	17.9		ug/L		63	14 - 120	7	35
2-Nitroaniline	ND		28.6	22.1		ug/L		77	32 - 120	6	35
3-Nitroaniline	ND	* F1	28.6	41.0	F1	ug/L		144	10 - 120	7	35
4-Nitroaniline	ND		28.6	27.4		ug/L		96	10 - 120	7	35
Nitrobenzene	ND		28.6	20.6		ug/L		72	35 - 120	8	35
2-Nitrophenol	ND		28.6	20.9		ug/L		73	32 - 122	8	35
4-Nitrophenol	ND		57.1	38.8		ug/L		68	15 - 120	0	35
N-Nitrosodi-n-propylamine	ND		28.6	19.1		ug/L		67	35 - 120	19	35
N-Nitrosodiphenylamine	ND		28.6	18.4		ug/L		64	10 - 125	8	35
2,2'-oxybis[1-chloropropane]	ND		28.6	18.2		ug/L		64	28 - 120	20	35
Pentachlorophenol	ND		57.1	36.9		ug/L		65	16 - 120	6	31
Phenanthrene	ND		28.6	18.8		ug/L		66	36 - 120	6	35
Phenol	ND		28.6	15.7		ug/L		55	20 - 120	14	35
Pyrene	ND		28.6	18.1		ug/L		63	36 - 120	8	35
1,2,4-Trichlorobenzene	0.95		28.6	16.6		ug/L		55	39 - 120	6	35
2,4,5-Trichlorophenol	ND		28.6	21.5		ug/L		75	29 - 120	6	35
2,4,6-Trichlorophenol	ND		28.6	20.3		ug/L		71	29 - 120	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*44 - 120*
2-Fluorophenol (Surr)	*79*		*26 - 120*
Nitrobenzene-d5 (Surr)	*77*		*44 - 120*
Phenol-d5 (Surr)	*58*		*16 - 120*
Terphenyl-d14 (Surr)	*70*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*77*		*36 - 120*

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

GC/MS VOA

Analysis Batch: 275134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-19	SW-041317-AG-017	Total/NA	Water	8260C	
240-78061-20	SW-041317-AG-018	Total/NA	Water	8260C	
240-78061-21	FB-041317-AG-019	Total/NA	Water	8260C	
240-78061-22	TRIP BLANKS	Total/NA	Water	8260C	
MB 240-275134/7	Method Blank	Total/NA	Water	8260C	
LCS 240-275134/8	Lab Control Sample	Total/NA	Water	8260C	
240-78061-19 MS	SW-041317-AG-017	Total/NA	Water	8260C	
240-78061-19 MSD	SW-041317-AG-017	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 274728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-19	SW-041317-AG-017	Total/NA	Water	3510C	
240-78061-20	SW-041317-AG-018	Total/NA	Water	3510C	
240-78061-21	FB-041317-AG-019	Total/NA	Water	3510C	
MB 240-274728/9-A	Method Blank	Total/NA	Water	3510C	
LCS 240-274728/10-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 240-274728/11-A	Lab Control Sample Dup	Total/NA	Water	3510C	
240-78061-19 MS	SW-041317-AG-017	Total/NA	Water	3510C	
240-78061-19 MSD	SW-041317-AG-017	Total/NA	Water	3510C	

Analysis Batch: 275088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78061-19	SW-041317-AG-017	Total/NA	Water	8270D	274728
240-78061-20	SW-041317-AG-018	Total/NA	Water	8270D	274728
240-78061-21	FB-041317-AG-019	Total/NA	Water	8270D	274728
MB 240-274728/9-A	Method Blank	Total/NA	Water	8270D	274728
LCS 240-274728/10-A	Lab Control Sample	Total/NA	Water	8270D	274728
LCSD 240-274728/11-A	Lab Control Sample Dup	Total/NA	Water	8270D	274728
240-78061-19 MS	SW-041317-AG-017	Total/NA	Water	8270D	274728
240-78061-19 MSD	SW-041317-AG-017	Total/NA	Water	8270D	274728

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Client Sample ID: SW-041317-AG-017 — Lab Sample ID: 240-78061-19

Date Collected: 04/13/17 08:20
Date Received: 04/13/17 14:34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 15:55	HMB	TAL CAN
Total/NA	Prep	3510C			274728	04/14/17 08:38	KEH	TAL CAN
Total/NA	Analysis	8270D		1	275088	04/18/17 12:21	TMH	TAL CAN

Client Sample ID: SW-041317-AG-018 — Lab Sample ID: 240-78061-20

Date Collected: 04/13/17 08:20
Date Received: 04/13/17 14:34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 16:18	HMB	TAL CAN
Total/NA	Prep	3510C			274728	04/14/17 08:38	KEH	TAL CAN
Total/NA	Analysis	8270D		1	275088	04/18/17 13:34	TMH	TAL CAN

Client Sample ID: FB-041317-AG-019 — Lab Sample ID: 240-78061-21

Date Collected: 04/13/17 08:50
Date Received: 04/13/17 14:34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 16:41	HMB	TAL CAN
Total/NA	Prep	3510C			274728	04/14/17 08:38	KEH	TAL CAN
Total/NA	Analysis	8270D		1	275088	04/18/17 13:58	TMH	TAL CAN

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-78061-22

Date Collected: 04/13/17 00:00
Date Received: 04/13/17 14:34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 17:04	HMB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 SW

TestAmerica Job ID: 240-78061-2

Laboratory: TestAmerica Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	04-30-17 *
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-17 *
Illinois	NELAP	5	200004	07-31-17 *
Kansas	NELAP	7	E-10336	01-31-18
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (WW)	State Program	4	98016	12-31-17
Minnesota	NELAP	5	039-999-348	12-31-17
Minnesota (Petrofund)	State Program	1	3506	07-31-17 *
Nevada	State Program	9	OH-000482008A	07-31-17 *
New Jersey	NELAP	2	OH001	06-30-17 *
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-17
Texas	NELAP	6	T104704517-15-5	08-31-17
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-17
Washington	State Program	10	C971	01-12-18
West Virginia DEP	State Program	3	210	12-31-16 *
Wisconsin	State Program	5	999518190	08-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, Ohio 44720
Ph. (330) 497-9396 ; fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

Client Contact	Project Manager: Mike Gibson	Site Contact: SNFT	Date: 4/13/17	COC No:
Eagon & Associates, Inc.	Sampler: A. Graham	Lab Contact: Patrick J. O'Meara	Carrier: HAND DELIVERED	1 of 1 COCs
100 Old Wilson Bridge Road, Suite 115	Analysis Turnaround Time			For Lab Use Only:
Worthington, Ohio 43085	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(614) 888-5760 Ph. / (614) 888-5760 Fax	TAT if different from Below _____			Lab Sampling:
a.graham@eagoninc.com / mgibson@eagoninc.com	☑ 2 weeks			
Project Name: Summit National - 2017 Annual SW	☐ 1 week			Job / SDG No.:
Site: Summit National Superfund Site	☐ 2 days			
P O # No PO required	☐ 1 day			Sampler: ADG

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - (MOD) Project TCL VOCs	8270D - (MOD) Project TCL SVOCs	Sample Specific Notes:
SW-041317-AG-017	4/13/17	0820	Grab	Water	5	N		X	X	
SW-041317-AG-017 MS	↓	↓	↓	↓	5	N		X	X	
SW-041317-AG-017 MSD	↓	↓	↓	↓	5	N		X	X	
SW-041317-AG-018	↓	↓	↓	↓	5	N		X	X	
FB-041317-AG-019	↓	0850	GRAB	WATER	5	N		X	X	
TRIP BLANKS	—	—	—	O	2	N		X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | 2 | 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	4/13/17e		TA	4-13-17 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.1, dated 02/20/2013

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 78061

Client Eagon + Assoc Site Name _____

Cooler Received on 4/13/17 Opened on 4/13/17

Cooler unpacked by: Gary Burns

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler ~~temperature upon~~ receipt ☑ See Multiple Cooler Form
   ~~IR GUN#~~ IR-8 (CF ~~-0.3~~ °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF +0.8°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #B630301VB Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [signature]

C.O.C. States a total of 6x40ml HCL Trip Blanks. Only 4x40ml HCL T.B's rec'd. Will log 1 as Samples 8 & 18, 2 as Samples 22.

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____.

Ref: SOP NC-SC-0005, Sample Receiving
\\tacorp\corp\QA\QA_Facilities\Canton-QA\Document-Management\Work-Instruction\In Revision\WI-NC-099-040717 Cooler Receipt Form.doc djl

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 180061

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	8	2.6	2.3	ICE
		0.6	0.3	
		1.4	1.1	
		1.8	1.5	

X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099H-071615 Cooler Receipt Form_page 2 - Multiple Coolers.doc rls

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: S & E DITCH SURFACE WATER

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: GRAB
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ (circle or fill in)

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X - Other ____

Pump Type (Vol) ____ A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
041317	0820		7.18	878	11.4	11.5	

FIELD COMMENTS

Sample Apperance: Clear Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0 mph Air Temp: ~50°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): Surface water samples collected by filling sample bottles by submerging ~2" below surface of water near confluence of S & E ditches.

SAMPLE ID #: SW-041317-AG-017
SW-041317-AG-017 MS
SW-041317-AG-017 MSD

Samples Collected: TCL VOCs, TCL SVOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/13/17 — Date
Andrew D. Graham — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 R: 9/16

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: SE DITCH SURFACE WATER DUP

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: GRAB
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X - Other ____

Pump Type (Vol) ____ A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
041317	0820		7.16	881	11.5	6.26	

Sample Apperance: Clear Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0 mph Air Temp: ~50°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): Collected duplicate sample at the same time and in same manner as original surface water sample.

FIELD COMMENTS

SAMPLE ID#: SW-041317-AG-01B

Samples Collected:
TCL VOCs, TCL SVOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/13/17 — Date

Andrew D. Graham — Name

Signature

EAGON & ASSOCIATES, INC.

EA-200 R: 9/16

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: SURFACE WATER FIELD BLANK

WELL DATA

Water-Level Date: (MM/DD/YY) **Water-Level Time:** **Purge/Sample Method:** GRAB
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl) **Depth to Water (DTW) (from TOC)** (ft) **Groundwater Elevation (site datum, from TOC)** (ft/msl)

Total Well Depth (from TOC) (ft) Water Column Height (well depth - DTW) (ft) Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? ~~Y or N~~ Filter Device: ~~Y or N~~ ~~0.45µ or~~ ____ µ *(circle or fill in)*

Purging Device / Sampling Device: A-Submersible Pump, B-Peristaltic Pump, C-Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

X - Other

Pump Type (Vol): A-P1200M (495 mL), B-P1101M (395 mL), C-P1150 (130 mL), X-Other

Tubing ID (Vol/Ft): A-3/8 inch (22 mL/ft), B-1/4 inch (10 mL/ft), C-0.17 inch (4.5 mL/ft), X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
041317	0850		4.49	1007	15.0	0.97	

FIELD COMMENTS

Sample Apperance: Clear Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: 0 mph Air Temp: ~50°F Precipitation: Y or N

Comments (including purge/well volume calculations if required): Collected field blank for surface water by pouring lab-supplied deionized water directly into sample containers near surface water sampling point at SE corner of site.

SAMPLE ID#: FB-041317-AG-019

Samples Collected: TCL VOCs, TCL SVOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/13/17 Date — Andrew D. Graham Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 R: 9/16

FIELD METER CALIBRATION RECORD

Project Name: SUMMIT NATIONAL Sampler(s): A. GRAHAM

pH Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Buffer Brand/Expiration: pH 4 IE / 2-26-18 ; pH 7 IE / 4-28-18 ; pH 10 IE / 1-13-18

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
4/12/17	1216	Calibrate	4.02	6.99	10.01	17.0
4/13/17	0817	Calibrate	3.96	7.01	10.03	10.7

Conductivity/Temp. Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Cond. Solution Brand/Expiration: IE / 5-24-17 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/17	1210	Calibrate	1417	16.9	
4/13/17	0809	Calibrate	1414	10.7	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q / 1411 0C037175

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/17	1209	check	5.06	5.09	
4/13/17	0811	check	5.06	5.07	

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-78064-1
Client Project/Site: Summit National 2017 Sediment

For:
Eagon & Associates, Inc.
100 Old Wilson Bridge Road
Suite 115
Worthington, Ohio 43085

Attn: Mr. Mike Gibson

Patrick O'Meara

Authorized for release by:
4/21/2017 4:28:14 PM

Patrick O'Meara, Manager of Project Management
(330)966-5725
patrick.omeara@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-78064-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2017 Sediment

Report Number: 240-78064-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT
The samples were received on 4/13/2017 2:34 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3º C, 1.1º C, 1.5º C and 2.3º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)
Samples SD-041317-AG-020 (240-78064-1) and SD-041317-AG-021 (240-78064-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 04/13/2017 and analyzed on 04/18/2017.

1,1,2,2-Tetrachloroethane exceeded the RPD limit for the MSD of sample SD-041317-AG-020 (240-78064-1) in batch 240-275075.

Internal standard responses were outside of acceptance limits for the following samples: SD-041317-AG-020 (240-78064-1) and SD-041317-AG-020 (240-78064-1[MS]). The samples show evidence of matrix interference.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GCMS)
Samples RB-041317-AG-022 (240-78064-3) and TRIP BLANKS (240-78064-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/18/2017.

Job ID: 240-78064-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)
Samples SD-041317-AG-020 (240-78064-1) and SD-041317-AG-021 (240-78064-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/14/2017 and analyzed on 04/18/2017 and 04/19/2017.

Several analytes failed the recovery criteria low for the MS/MSD of sample SD-041317-AG-020 (240-78064-1) in batch 240-275310. 4-Chloroaniline exceeded the RPD limit.

The continuing calibration verification (CCV) associated with batch 275310 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol. The following sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported: SD-041317-AG-020 (240-78064-1).

The analyte bis (2-chloroisopropyl) ether had RFs below method recommendations. A LODV was analyzed to demonstrate sensitivity for this analyte at the reporting limit for the following samples: SD-041317-AG-020 (240-78064-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)
Sample RB-041317-AG-022 (240-78064-3) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The sample was prepared on 04/14/2017 and analyzed on 04/18/2017.

Diethyl phthalate was detected in method blank MB 240-274728/9-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Bis(2-ethylhexyl) phthalate and Di-n-butyl phthalate were detected in method blank MB 240-274728/9-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 240-274728 and analytical batch 240-275088 recovered outside control limits for the following analytes: 3-Nitroaniline and Carbazole. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 240-275088 recovered above the upper control limit for 4-Nitrophenol, 4-Nitroaniline, 3-Nitroaniline and Carbazole. The following sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported: RB-041317-AG-022 (240-78064-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS
Samples SD-041317-AG-020 (240-78064-1) and SD-041317-AG-021 (240-78064-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/14/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-78064-1	SD-041317-AG-020	Solid	04/13/17 09:20	04/13/17 14:34
240-78064-2	SD-041317-AG-021	Solid	04/13/17 09:20	04/13/17 14:34
240-78064-3	RB-041317-AG-022	Water	04/13/17 10:05	04/13/17 14:34
240-78064-4	TRIP BLANKS	Water	04/13/17 00:00	04/13/17 14:34

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-020 — Lab Sample ID: 240-78064-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.32	J	6.9	0.32	ug/Kg	1	☼	8260C	Total/NA
Acenaphthene	26		9.6	1.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	18		9.6	0.50	ug/Kg	1	☼	8270D	Total/NA
Anthracene	21		9.6	1.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	80		9.6	0.90	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	100		9.6	0.92	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	190		9.6	0.85	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	240		9.6	0.50	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	46		9.6	0.98	ug/Kg	1	☼	8270D	Total/NA
Carbazole	40	J	72	39	ug/Kg	1	☼	8270D	Total/NA
Chrysene	150		9.6	1.6	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	20		9.6	0.95	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	260		72	0.95	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	180		9.6	0.79	ug/Kg	1	☼	8270D	Total/NA
Fluorene	37		9.6	0.76	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	62		9.6	0.50	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	1200		9.6	0.72	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	870		9.6	1.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	640		9.6	1.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	190		9.6	0.63	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SD-041317-AG-021 — Lab Sample ID: 240-78064-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	20		9.8	1.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	15		9.8	0.51	ug/Kg	1	☼	8270D	Total/NA
Anthracene	16		9.8	1.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	67		9.8	0.92	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	87		9.8	0.94	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	170		9.8	0.86	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	250		9.8	0.51	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	41		9.8	1.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	120		9.8	1.6	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	27		9.8	0.97	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	190		73	0.97	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	140		9.8	0.81	ug/Kg	1	☼	8270D	Total/NA
Fluorene	28		9.8	0.78	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	64		9.8	0.51	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	1100		9.8	0.73	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	650		9.8	1.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	540		9.8	1.1	ug/Kg	1	☼	8270D	Total/NA
Pyrene	170		9.8	0.64	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: RB-041317-AG-022 — Lab Sample ID: 240-78064-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1.6	J B	4.5	1.4	ug/L	1		8270D	Total/NA
Diethyl phthalate	1.5	J B	1.8	0.11	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	1.1	J B	4.5	0.36	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-78064-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-020

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-1

Matrix: Solid
Percent Solids: 70.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.2	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Benzene	ND		6.9	0.44	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Bromodichloromethane	ND		6.9	0.46	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Bromoform	ND		6.9	0.55	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Bromomethane	ND		6.9	0.81	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
2-Butanone	ND		28	1.8	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Carbon disulfide	ND		6.9	0.29	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Carbon tetrachloride	ND		6.9	0.35	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Chlorobenzene	ND		6.9	0.46	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Chloroethane	ND		6.9	0.52	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Chloroform	**0.32**	**J**	6.9	0.32	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Chloromethane	ND		6.9	0.52	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
cis-1,3-Dichloropropene	ND		6.9	0.36	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Dibromochloromethane	ND		6.9	0.41	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,1-Dichloroethane	ND		6.9	0.46	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,2-Dichloroethane	ND		6.9	0.40	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,1-Dichloroethene	ND		6.9	0.75	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,2-Dichloroethene, Total	ND		14	0.58	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,2-Dichloropropane	ND		6.9	0.43	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Ethylbenzene	ND		6.9	0.37	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
2-Hexanone	ND		28	0.80	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Methylene Chloride	ND		6.9	0.33	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
4-Methyl-2-pentanone	ND		28	1.2	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Styrene	ND		6.9	0.37	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,1,2,2-Tetrachloroethane	ND	* F2	6.9	0.36	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Tetrachloroethene	ND		6.9	0.51	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Toluene	ND		6.9	0.47	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
trans-1,3-Dichloropropene	ND		6.9	0.29	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,1,1-Trichloroethane	ND		6.9	0.32	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
1,1,2-Trichloroethane	ND		6.9	0.54	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Trichloroethene	ND		6.9	0.57	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Vinyl chloride	ND		6.9	0.39	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1
Xylenes, Total	ND		14	0.55	ug/Kg	☼	04/13/17 17:37	04/18/17 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*61 - 132*	*04/13/17 17:37*	*04/18/17 08:37*	*1*
Dibromofluoromethane (Surr)	*93*		*43 - 131*	*04/13/17 17:37*	*04/18/17 08:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*61 - 127*	*04/13/17 17:37*	*04/18/17 08:37*	*1*
Toluene-d8 (Surr)	*109*		*66 - 125*	*04/13/17 17:37*	*04/18/17 08:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**		9.6	1.1	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Acenaphthylene	**18**		9.6	0.50	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Anthracene	**21**		9.6	1.1	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Benzo[a]anthracene	**80**		9.6	0.90	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Benzo[a]pyrene	**100**		9.6	0.92	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Benzo[b]fluoranthene	**190**		9.6	0.85	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Benzo[g,h,i]perylene	**240**		9.6	0.50	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Benzo[k]fluoranthene	**46**		9.6	0.98	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1

Client Sample ID: SD-041317-AG-020

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-1

Matrix: Solid
Percent Solids: 70.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		140	32	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Bis(2-chloroethyl)ether	ND		140	2.9	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Bis(2-ethylhexyl) phthalate	ND		100	27	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Bromophenyl phenyl ether	ND		72	19	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Butylbenzylphthalate	ND		100	14	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Carbazole	**40**	**J**	72	39	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Chloroaniline	ND	F1 F2	220	24	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Chloro-3-methylphenol	ND		220	30	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Chloronaphthalene	ND		72	0.65	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Chlorophenol	ND		72	12	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Chlorophenyl phenyl ether	ND		72	19	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Chrysene	**150**		9.6	1.6	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Dibenz(a,h)anthracene	**20**		9.6	0.95	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Dibenzofuran	**260**		72	0.95	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
1,2-Dichlorobenzene	ND		72	14	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
1,3-Dichlorobenzene	ND		72	16	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
1,4-Dichlorobenzene	ND		72	29	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
3,3'-Dichlorobenzidine	ND	F1	140	26	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4-Dichlorophenol	ND		220	29	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Diethyl phthalate	ND		100	23	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4-Dimethylphenol	ND		220	29	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Dimethyl phthalate	ND		100	24	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Di-n-butyl phthalate	ND		100	22	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4,6-Dinitro-2-methylphenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4-Dinitrophenol	ND		470	30	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4-Dinitrotoluene	ND		290	24	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,6-Dinitrotoluene	ND		290	30	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Di-n-octyl phthalate	ND		100	11	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Fluoranthene	**180**		9.6	0.79	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Fluorene	**37**		9.6	0.76	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Hexachlorobenzene	ND		9.6	3.0	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Hexachlorobutadiene	ND		72	8.0	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Hexachlorocyclopentadiene	ND	F1	470	12	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Hexachloroethane	ND		72	13	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Indeno[1,2,3-cd]pyrene	**62**		9.6	0.50	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Isophorone	ND		72	19	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Methylnaphthalene	**1200**		9.6	0.72	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Methylphenol	ND		290	16	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
3 & 4 Methylphenol	ND		570	29	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Naphthalene	**870**		9.6	1.2	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Nitroaniline	ND		290	13	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
3-Nitroaniline	ND	F1	290	23	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Nitroaniline	ND	F1	290	37	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Nitrobenzene	ND		140	3.2	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2-Nitrophenol	ND		72	12	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
4-Nitrophenol	ND		470	24	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
N-Nitrosodi-n-propylamine	ND		72	9.0	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
N-Nitrosodiphenylamine	ND		72	30	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,2'-oxybis[1-chloropropane]	ND		140	14	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-020

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-1

Matrix: Solid
Percent Solids: 70.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Phenanthrene	**640**		9.6	1.0	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Phenol	ND		72	10	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
Pyrene	**190**		9.6	0.63	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
1,2,4-Trichlorobenzene	ND		72	5.0	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4,5-Trichlorophenol	ND		220	36	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1
2,4,6-Trichlorophenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/19/17 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*39 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*
2-Fluorophenol (Surr)	*77*		*33 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*
Nitrobenzene-d5 (Surr)	*87*		*32 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*
Phenol-d5 (Surr)	*79*		*32 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*
Terphenyl-d14 (Surr)	*85*		*47 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 120*	*04/14/17 08:51*	*04/19/17 18:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**70.7**		0.1	0.1	%			04/14/17 09:31	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-021

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-2

Matrix: Solid
Percent Solids: 67.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	3.4	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Benzene	ND		5.6	0.36	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Bromodichloromethane	ND		5.6	0.37	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Bromoform	ND		5.6	0.44	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Bromomethane	ND		5.6	0.66	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
2-Butanone	ND		22	1.4	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Carbon disulfide	ND		5.6	0.23	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Carbon tetrachloride	ND		5.6	0.28	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Chlorobenzene	ND		5.6	0.37	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Chloroethane	ND		5.6	0.42	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Chloroform	ND		5.6	0.26	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Chloromethane	ND		5.6	0.42	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
cis-1,3-Dichloropropene	ND		5.6	0.29	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Dibromochloromethane	ND		5.6	0.33	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,1-Dichloroethane	ND		5.6	0.37	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,2-Dichloroethane	ND		5.6	0.32	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,1-Dichloroethene	ND		5.6	0.60	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,2-Dichloroethene, Total	ND		11	0.47	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,2-Dichloropropane	ND		5.6	0.34	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Ethylbenzene	ND		5.6	0.30	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
2-Hexanone	ND		22	0.65	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Methylene Chloride	ND		5.6	0.27	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
4-Methyl-2-pentanone	ND		22	0.99	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Styrene	ND		5.6	0.30	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.29	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Tetrachloroethene	ND		5.6	0.41	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Toluene	ND		5.6	0.38	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
trans-1,3-Dichloropropene	ND		5.6	0.23	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,1,1-Trichloroethane	ND		5.6	0.26	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
1,1,2-Trichloroethane	ND		5.6	0.43	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Trichloroethene	ND		5.6	0.46	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Vinyl chloride	ND		5.6	0.31	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1
Xylenes, Total	ND		11	0.44	ug/Kg	☼	04/13/17 17:37	04/18/17 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*61 - 132*	*04/13/17 17:37*	*04/18/17 09:42*	*1*
Dibromofluoromethane (Surr)	*93*		*43 - 131*	*04/13/17 17:37*	*04/18/17 09:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*61 - 127*	*04/13/17 17:37*	*04/18/17 09:42*	*1*
Toluene-d8 (Surr)	*97*		*66 - 125*	*04/13/17 17:37*	*04/18/17 09:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**20**		9.8	1.1	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Acenaphthylene	**15**		9.8	0.51	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Anthracene	**16**		9.8	1.1	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Benzo[a]anthracene	**67**		9.8	0.92	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Benzo[a]pyrene	**87**		9.8	0.94	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Benzo[b]fluoranthene	**170**		9.8	0.86	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Benzo[g,h,i]perylene	**250**		9.8	0.51	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Benzo[k]fluoranthene	**41**		9.8	1.0	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1

Client Sample ID: SD-041317-AG-021

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-2

Matrix: Solid
Percent Solids: 67.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		150	32	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Bis(2-chloroethyl)ether	ND		150	2.9	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Bis(2-ethylhexyl) phthalate	ND		100	28	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Bromophenyl phenyl ether	ND		73	19	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Butylbenzylphthalate	ND		100	15	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Carbazole	ND		73	40	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Chloroaniline	ND		220	25	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Chloro-3-methylphenol	ND		220	31	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Chloronaphthalene	ND		73	0.66	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Chlorophenol	ND		73	12	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Chlorophenyl phenyl ether	ND		73	19	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Chrysene	**120**		9.8	1.6	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Dibenz(a,h)anthracene	**27**		9.8	0.97	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Dibenzofuran	**190**		73	0.97	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
1,2-Dichlorobenzene	ND		73	14	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
1,3-Dichlorobenzene	ND		73	16	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
1,4-Dichlorobenzene	ND		73	29	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
3,3'-Dichlorobenzidine	ND		150	26	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4-Dichlorophenol	ND		220	29	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Diethyl phthalate	ND		100	23	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4-Dimethylphenol	ND		220	29	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Dimethyl phthalate	ND		100	25	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Di-n-butyl phthalate	ND		100	22	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4,6-Dinitro-2-methylphenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4-Dinitrophenol	ND		480	31	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4-Dinitrotoluene	ND		290	25	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,6-Dinitrotoluene	ND		290	31	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Di-n-octyl phthalate	ND		100	12	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Fluoranthene	**140**		9.8	0.81	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Fluorene	**28**		9.8	0.78	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Hexachlorobenzene	ND		9.8	3.1	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Hexachlorobutadiene	ND		73	8.2	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Hexachlorocyclopentadiene	ND		480	12	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Hexachloroethane	ND		73	13	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Indeno[1,2,3-cd]pyrene	**64**		9.8	0.51	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Isophorone	ND		73	19	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Methylnaphthalene	**1100**		9.8	0.73	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Methylphenol	ND		290	16	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
3 & 4 Methylphenol	ND		590	29	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Naphthalene	**650**		9.8	1.2	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Nitroaniline	ND		290	13	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
3-Nitroaniline	ND		290	23	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Nitroaniline	ND		290	38	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Nitrobenzene	ND		150	3.2	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2-Nitrophenol	ND		73	12	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
4-Nitrophenol	ND		480	25	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
N-Nitrosodi-n-propylamine	ND		73	9.2	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
N-Nitrosodiphenylamine	ND		73	31	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,2'-oxybis[1-chloropropane]	ND		150	14	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-021

Date Collected: 04/13/17 09:20
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-2

Matrix: Solid
Percent Solids: 67.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Phenanthrene	**540**		9.8	1.1	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Phenol	ND		73	11	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
Pyrene	**170**		9.8	0.64	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
1,2,4-Trichlorobenzene	ND		73	5.1	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4,5-Trichlorophenol	ND		220	37	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1
2,4,6-Trichlorophenol	ND		220	13	ug/Kg	☼	04/14/17 08:51	04/18/17 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*
2-Fluorophenol (Surr)	*72*		*33 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*
Nitrobenzene-d5 (Surr)	*88*		*32 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*
Phenol-d5 (Surr)	*73*		*32 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*
Terphenyl-d14 (Surr)	*84*		*47 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*10 - 120*	*04/14/17 08:51*	*04/18/17 19:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**67.9**		0.1	0.1	%			04/14/17 09:31	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: RB-041317-AG-022

Date Collected: 04/13/17 10:05
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 17:28	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 17:28	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 17:28	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 17:28	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 17:28	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 17:28	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 17:28	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 17:28	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 17:28	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 17:28	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 17:28	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 17:28	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 17:28	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 17:28	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 17:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 17:28	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 17:28	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 17:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 17:28	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 17:28	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 17:28	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 17:28	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 17:28	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 17:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 17:28	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 17:28	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 17:28	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 17:28	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 17:28	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 17:28	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 17:28	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*69 - 120*		*04/18/17 17:28*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 124*		*04/18/17 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 138*		*04/18/17 17:28*	*1*
Toluene-d8 (Surr)	*96*		*73 - 120*		*04/18/17 17:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18	0.039	ug/L		04/14/17 08:38	04/18/17 14:22	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/14/17 08:38	04/18/17 14:22	1
Anthracene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 14:22	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 14:22	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/14/17 08:38	04/18/17 14:22	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/14/17 08:38	04/18/17 14:22	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/14/17 08:38	04/18/17 14:22	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 14:22	1

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: RB-041317-AG-022
Date Collected: 04/13/17 10:05
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.89	0.033	ug/L		04/14/17 08:38	04/18/17 14:22	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 14:22	1
Bis(2-ethylhexyl) phthalate	**1.6**	**J B**	4.5	1.4	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/14/17 08:38	04/18/17 14:22	1
Butylbenzylphthalate	ND		1.8	0.19	ug/L		04/14/17 08:38	04/18/17 14:22	1
Carbazole	ND	*	0.89	0.094	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 14:22	1
Chrysene	ND		0.18	0.031	ug/L		04/14/17 08:38	04/18/17 14:22	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/14/17 08:38	04/18/17 14:22	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 14:22	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 14:22	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/14/17 08:38	04/18/17 14:22	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 14:22	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/14/17 08:38	04/18/17 14:22	1
Diethyl phthalate	**1.5**	**J B**	1.8	0.11	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 14:22	1
Dimethyl phthalate	ND		1.8	0.090	ug/L		04/14/17 08:38	04/18/17 14:22	1
Di-n-butyl phthalate	**1.1**	**J B**	4.5	0.36	ug/L		04/14/17 08:38	04/18/17 14:22	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/14/17 08:38	04/18/17 14:22	1
Di-n-octyl phthalate	ND		1.8	0.33	ug/L		04/14/17 08:38	04/18/17 14:22	1
Fluoranthene	ND		0.18	0.024	ug/L		04/14/17 08:38	04/18/17 14:22	1
Fluorene	ND		0.18	0.030	ug/L		04/14/17 08:38	04/18/17 14:22	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 14:22	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 14:22	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/14/17 08:38	04/18/17 14:22	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/14/17 08:38	04/18/17 14:22	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/14/17 08:38	04/18/17 14:22	1
Isophorone	ND		0.89	0.038	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/14/17 08:38	04/18/17 14:22	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/14/17 08:38	04/18/17 14:22	1
Naphthalene	ND		0.18	0.038	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/14/17 08:38	04/18/17 14:22	1
3-Nitroaniline	ND	*	1.8	0.24	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/14/17 08:38	04/18/17 14:22	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 14:22	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/14/17 08:38	04/18/17 14:22	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/14/17 08:38	04/18/17 14:22	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 14:22	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/14/17 08:38	04/18/17 14:22	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: RB-041317-AG-022

Date Collected: 04/13/17 10:05
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		36	4.9	ug/L		04/14/17 08:38	04/18/17 14:22	1
Phenanthrene	ND		0.18	0.028	ug/L		04/14/17 08:38	04/18/17 14:22	1
Phenol	ND		0.89	0.13	ug/L		04/14/17 08:38	04/18/17 14:22	1
Pyrene	ND		0.18	0.025	ug/L		04/14/17 08:38	04/18/17 14:22	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/14/17 08:38	04/18/17 14:22	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/14/17 08:38	04/18/17 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*
2-Fluorophenol (Surr)	*72*		*26 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*
Nitrobenzene-d5 (Surr)	*75*		*44 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*
Phenol-d5 (Surr)	*61*		*16 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*
Terphenyl-d14 (Surr)	*78*		*43 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*36 - 120*	*04/14/17 08:38*	*04/18/17 14:22*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: TRIP BLANKS

Date Collected: 04/13/17 00:00
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 17:51	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 17:51	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 17:51	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 17:51	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 17:51	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 17:51	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 17:51	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 17:51	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 17:51	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 17:51	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 17:51	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 17:51	1
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 17:51	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 17:51	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 17:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 17:51	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 17:51	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 17:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 17:51	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 17:51	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 17:51	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 17:51	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 17:51	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 17:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 17:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 17:51	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 17:51	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 17:51	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 17:51	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 17:51	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 17:51	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 17:51	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*69 - 120*		*04/18/17 17:51*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 124*		*04/18/17 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*61 - 138*		*04/18/17 17:51*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 17:51*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(61-132)	(43-131)	(61-127)	(66-125)
240-78064-1	SD-041317-AG-020	78	93	103	109
240-78064-1 MS	SD-041317-AG-020	74	94	98	121
240-78064-1 MSD	SD-041317-AG-020	102	97	108	99
240-78064-2	SD-041317-AG-021	97	93	109	97
LCS 240-275075/6	Lab Control Sample	99	93	100	97
MB 240-275076/1-A	Method Blank	95	94	104	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(69-120)	(69-124)	(61-138)	(73-120)
240-78064-3	RB-041317-AG-022	94	92	90	96
240-78064-4	TRIP BLANKS	97	94	95	99
LCS 240-275134/8	Lab Control Sample	96	91	90	99
MB 240-275134/7	Method Blank	96	91	93	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(39-120)	(33-120)	(32-120)	(32-120)	(47-120)	(10-120)
240-78064-1	SD-041317-AG-020	83	77	87	79	85	68
240-78064-1 MS	SD-041317-AG-020	86	74	81	82	91	65
240-78064-1 MSD	SD-041317-AG-020	84	75	83	82	93	73
240-78064-2	SD-041317-AG-021	85	72	88	73	84	68
LCS 240-274733/20-A	Lab Control Sample	89	81	88	84	96	56
LCSD 240-274733/21-A	Lab Control Sample Dup	89	82	89	85	102	54
MB 240-274733/19-A	Method Blank	85	68	79	71	88	37

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(44-120)	(26-120)	(44-120)	(16-120)	(43-120)	(36-120)
240-78064-3	RB-041317-AG-022	72	72	75	61	78	68
LCS 240-274728/10-A	Lab Control Sample	93	107	99	81	90	92
LCSD 240-274728/11-A	Lab Control Sample Dup	83	90	89	83	80	85
MB 240-274728/9-A	Method Blank	72	96	73	80	72	69

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 240-275075/6
Matrix: Solid
Analysis Batch: 275075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	74.8		ug/Kg		75	24 - 125
Benzene	50.0	44.5		ug/Kg		89	77 - 120
Bromodichloromethane	50.0	50.8		ug/Kg		102	61 - 132
Bromoform	50.0	43.4		ug/Kg		87	40 - 140
Bromomethane	50.0	47.0		ug/Kg		94	10 - 153
2-Butanone	100	80.8		ug/Kg		81	51 - 120
Carbon disulfide	50.0	45.5		ug/Kg		91	17 - 163
Carbon tetrachloride	50.0	48.6		ug/Kg		97	43 - 144
Chlorobenzene	50.0	44.5		ug/Kg		89	76 - 120
Chloroethane	50.0	50.7		ug/Kg		101	10 - 166
Chloroform	50.0	46.3		ug/Kg		93	74 - 120
Chloromethane	50.0	43.8		ug/Kg		88	41 - 124
cis-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	66 - 126
Dibromochloromethane	50.0	44.4		ug/Kg		89	46 - 125
1,1-Dichloroethane	50.0	45.0		ug/Kg		90	72 - 120
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	71 - 120
1,1-Dichloroethene	50.0	44.0		ug/Kg		88	58 - 130
1,2-Dichloroethene, Total	100	93.1		ug/Kg		93	77 - 120
1,2-Dichloropropane	50.0	47.9		ug/Kg		96	78 - 122
Ethylbenzene	50.0	46.0		ug/Kg		92	76 - 120
2-Hexanone	100	100		ug/Kg		100	52 - 129
Methylene Chloride	50.0	45.8		ug/Kg		92	64 - 126
4-Methyl-2-pentanone	100	102		ug/Kg		102	65 - 131
Styrene	50.0	47.6		ug/Kg		95	80 - 120
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/Kg		94	78 - 120
Tetrachloroethene	50.0	45.0		ug/Kg		90	68 - 122
Toluene	50.0	44.0		ug/Kg		88	74 - 120
trans-1,3-Dichloropropene	50.0	44.6		ug/Kg		89	55 - 121
1,1,1-Trichloroethane	50.0	52.1		ug/Kg		104	60 - 136
1,1,2-Trichloroethane	50.0	46.3		ug/Kg		93	80 - 120
Trichloroethene	50.0	45.6		ug/Kg		91	73 - 123
Vinyl chloride	50.0	47.7		ug/Kg		95	49 - 131
Xylenes, Total	100	93.0		ug/Kg		93	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*61 - 132*
Dibromofluoromethane (Surr)	*93*		*43 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*61 - 127*
Toluene-d8 (Surr)	*97*		*66 - 125*

Lab Sample ID: MB 240-275076/1-A
Matrix: Solid
Analysis Batch: 275075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.1	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Benzene	ND		5.0	0.32	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Bromodichloromethane	ND		5.0	0.33	ug/Kg		04/18/17 04:17	04/18/17 05:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-275076/1-A
Matrix: Solid
Analysis Batch: 275075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	0.40	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Bromomethane	ND		5.0	0.59	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
2-Butanone	ND		20	1.3	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Carbon disulfide	ND		5.0	0.21	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Carbon tetrachloride	ND		5.0	0.25	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Chlorobenzene	ND		5.0	0.33	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Chloroethane	ND		5.0	0.38	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Chloroform	ND		5.0	0.23	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Chloromethane	ND		5.0	0.38	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
cis-1,3-Dichloropropene	ND		5.0	0.26	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Dibromochloromethane	ND		5.0	0.30	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,1-Dichloroethane	ND		5.0	0.33	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,2-Dichloroethane	ND		5.0	0.29	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,1-Dichloroethene	ND		5.0	0.54	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,2-Dichloroethene, Total	ND		10	0.42	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,2-Dichloropropane	ND		5.0	0.31	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Ethylbenzene	ND		5.0	0.27	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
2-Hexanone	ND		20	0.58	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Methylene Chloride	ND		5.0	0.24	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
4-Methyl-2-pentanone	ND		20	0.89	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Styrene	ND		5.0	0.27	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Tetrachloroethene	ND		5.0	0.37	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Toluene	ND		5.0	0.34	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
trans-1,3-Dichloropropene	ND		5.0	0.21	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,1,1-Trichloroethane	ND		5.0	0.23	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
1,1,2-Trichloroethane	ND		5.0	0.39	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Trichloroethene	ND		5.0	0.41	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Vinyl chloride	ND		5.0	0.28	ug/Kg		04/18/17 04:17	04/18/17 05:43	1
Xylenes, Total	ND		10	0.40	ug/Kg		04/18/17 04:17	04/18/17 05:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*61 - 132*	*04/18/17 04:17*	*04/18/17 05:43*	*1*
Dibromofluoromethane (Surr)	*94*		*43 - 131*	*04/18/17 04:17*	*04/18/17 05:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*61 - 127*	*04/18/17 04:17*	*04/18/17 05:43*	*1*
Toluene-d8 (Surr)	*96*		*66 - 125*	*04/18/17 04:17*	*04/18/17 05:43*	*1*

Lab Sample ID: 240-78064-1 MS
Matrix: Solid
Analysis Batch: 275075

Client Sample ID: SD-041317-AG-020
Prep Type: Total/NA
Prep Batch: 275076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		51.4	32.1		ug/Kg	☼	63	15 - 127
Benzene	ND		25.7	21.1		ug/Kg	☼	82	33 - 127
Bromodichloromethane	ND		25.7	19.4		ug/Kg	☼	76	22 - 127
Bromoform	ND		25.7	14.4		ug/Kg	☼	56	10 - 120
Bromomethane	ND		25.7	23.5		ug/Kg	☼	91	13 - 138
2-Butanone	ND		51.4	40.4		ug/Kg	☼	79	29 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-78064-1 MS — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275075 — **Prep Batch: 275076**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	ND		25.7	19.5		ug/Kg	☼	76	15 - 131
Carbon tetrachloride	ND		25.7	22.3		ug/Kg	☼	87	17 - 127
Chlorobenzene	ND		25.7	20.0		ug/Kg	☼	78	15 - 122
Chloroethane	ND		25.7	26.1		ug/Kg	☼	102	15 - 148
Chloroform	0.32	J	25.7	22.9		ug/Kg	☼	89	41 - 121
Chloromethane	ND		25.7	22.7		ug/Kg	☼	88	33 - 122
cis-1,3-Dichloropropene	ND		25.7	15.1		ug/Kg	☼	59	13 - 127
Dibromochloromethane	ND		25.7	18.9		ug/Kg	☼	74	19 - 120
1,1-Dichloroethane	ND		25.7	22.4		ug/Kg	☼	87	41 - 122
1,2-Dichloroethane	ND		25.7	22.1		ug/Kg	☼	86	35 - 122
1,1-Dichloroethene	ND		25.7	21.8		ug/Kg	☼	85	30 - 139
1,2-Dichloroethene, Total	ND		51.4	44.1		ug/Kg	☼	86	46 - 121
1,2-Dichloropropane	ND		25.7	22.0		ug/Kg	☼	86	38 - 130
Ethylbenzene	ND		25.7	22.0		ug/Kg	☼	86	18 - 126
2-Hexanone	ND		51.4	45.7		ug/Kg	☼	89	21 - 136
Methylene Chloride	ND		25.7	22.8		ug/Kg	☼	89	34 - 134
4-Methyl-2-pentanone	ND		51.4	44.2		ug/Kg	☼	86	16 - 164
Styrene	ND		25.7	16.7		ug/Kg	☼	65	10 - 128
1,1,2,2-Tetrachloroethane	ND	* F2	25.7	36.4	*	ug/Kg	☼	142	16 - 157
Tetrachloroethene	ND		25.7	24.4		ug/Kg	☼	95	17 - 126
Toluene	ND		25.7	25.5		ug/Kg	☼	99	29 - 127
trans-1,3-Dichloropropene	ND		25.7	17.2		ug/Kg	☼	67	11 - 120
1,1,1-Trichloroethane	ND		25.7	25.3		ug/Kg	☼	98	33 - 130
1,1,2-Trichloroethane	ND		25.7	25.0		ug/Kg	☼	97	19 - 137
Trichloroethene	ND		25.7	18.7		ug/Kg	☼	73	10 - 160
Vinyl chloride	ND		25.7	24.0		ug/Kg	☼	93	31 - 134
Xylenes, Total	ND		51.4	43.7		ug/Kg	☼	85	10 - 137

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*74*		*61 - 132*
Dibromofluoromethane (Surr)	*94*		*43 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*61 - 127*
Toluene-d8 (Surr)	*121*		*66 - 125*

Lab Sample ID: 240-78064-1 MSD — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275075 — **Prep Batch: 275076**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		53.6	31.3		ug/Kg	☼	58	15 - 127	3	40
Benzene	ND		26.8	18.9		ug/Kg	☼	70	33 - 127	11	40
Bromodichloromethane	ND		26.8	18.9		ug/Kg	☼	70	22 - 127	3	40
Bromoform	ND		26.8	13.9		ug/Kg	☼	52	10 - 120	3	40
Bromomethane	ND		26.8	21.1		ug/Kg	☼	79	13 - 138	11	40
2-Butanone	ND		53.6	39.6		ug/Kg	☼	74	29 - 127	2	40
Carbon disulfide	ND		26.8	16.3		ug/Kg	☼	61	15 - 131	18	40
Carbon tetrachloride	ND		26.8	19.0		ug/Kg	☼	71	17 - 127	16	40
Chlorobenzene	ND		26.8	16.3		ug/Kg	☼	61	15 - 122	20	40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-78064-1 MSD
Matrix: Solid
Analysis Batch: 275075

Client Sample ID: SD-041317-AG-020
Prep Type: Total/NA
Prep Batch: 275076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		26.8	22.5		ug/Kg	☼	84	15 - 148	15	40
Chloroform	0.32	J	26.8	20.1		ug/Kg	☼	75	41 - 121	13	40
Chloromethane	ND		26.8	19.8		ug/Kg	☼	74	33 - 122	13	40
cis-1,3-Dichloropropene	ND		26.8	15.3		ug/Kg	☼	57	13 - 127	1	40
Dibromochloromethane	ND		26.8	14.2		ug/Kg	☼	53	19 - 120	28	40
1,1-Dichloroethane	ND		26.8	19.6		ug/Kg	☼	73	41 - 122	14	40
1,2-Dichloroethane	ND		26.8	20.9		ug/Kg	☼	78	35 - 122	5	40
1,1-Dichloroethene	ND		26.8	18.9		ug/Kg	☼	71	30 - 139	14	40
1,2-Dichloroethene, Total	ND		53.6	39.1		ug/Kg	☼	73	46 - 121	12	40
1,2-Dichloropropane	ND		26.8	20.5		ug/Kg	☼	77	38 - 130	7	40
Ethylbenzene	ND		26.8	16.9		ug/Kg	☼	63	18 - 126	26	40
2-Hexanone	ND		53.6	37.8		ug/Kg	☼	71	21 - 136	19	40
Methylene Chloride	ND		26.8	19.5		ug/Kg	☼	73	34 - 134	16	40
4-Methyl-2-pentanone	ND		53.6	46.1		ug/Kg	☼	86	16 - 164	4	40
Styrene	ND		26.8	15.0		ug/Kg	☼	56	10 - 128	11	40
1,1,2,2-Tetrachloroethane	ND	* F2	26.8	18.8	F2	ug/Kg	☼	70	16 - 157	64	40
Tetrachloroethene	ND		26.8	17.2		ug/Kg	☼	64	17 - 126	35	40
Toluene	ND		26.8	17.3		ug/Kg	☼	65	29 - 127	38	40
trans-1,3-Dichloropropene	ND		26.8	14.8		ug/Kg	☼	55	11 - 120	15	40
1,1,1-Trichloroethane	ND		26.8	22.1		ug/Kg	☼	82	33 - 130	13	40
1,1,2-Trichloroethane	ND		26.8	18.6		ug/Kg	☼	70	19 - 137	29	40
Trichloroethene	ND		26.8	17.5		ug/Kg	☼	65	10 - 160	7	40
Vinyl chloride	ND		26.8	21.5		ug/Kg	☼	80	31 - 134	11	40
Xylenes, Total	ND		53.6	35.1		ug/Kg	☼	65	10 - 137	22	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*61 - 132*
Dibromofluoromethane (Surr)	*97*		*43 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*61 - 127*
Toluene-d8 (Surr)	*99*		*66 - 125*

Lab Sample ID: MB 240-275134/7
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.8	ug/L			04/18/17 11:40	1
Benzene	ND		1.0	0.28	ug/L			04/18/17 11:40	1
Bromodichloromethane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Bromoform	ND		1.0	0.43	ug/L			04/18/17 11:40	1
Bromomethane	ND		1.0	0.42	ug/L			04/18/17 11:40	1
2-Butanone	ND		10	1.0	ug/L			04/18/17 11:40	1
Carbon disulfide	ND		1.0	0.34	ug/L			04/18/17 11:40	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			04/18/17 11:40	1
Chlorobenzene	ND		1.0	0.32	ug/L			04/18/17 11:40	1
Chloroethane	ND		1.0	0.41	ug/L			04/18/17 11:40	1
Chloroform	ND		1.0	0.31	ug/L			04/18/17 11:40	1
Chloromethane	ND		1.0	0.43	ug/L			04/18/17 11:40	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-275134/7
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.26	ug/L			04/18/17 11:40	1
Dibromochloromethane	ND		1.0	0.25	ug/L			04/18/17 11:40	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			04/18/17 11:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			04/18/17 11:40	1
1,2-Dichloroethene, Total	ND		2.0	0.56	ug/L			04/18/17 11:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Ethylbenzene	ND		1.0	0.26	ug/L			04/18/17 11:40	1
2-Hexanone	ND		10	1.2	ug/L			04/18/17 11:40	1
Methylene Chloride	ND		1.0	0.53	ug/L			04/18/17 11:40	1
4-Methyl-2-pentanone	ND		10	0.71	ug/L			04/18/17 11:40	1
Styrene	ND		1.0	0.23	ug/L			04/18/17 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.32	ug/L			04/18/17 11:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/18/17 11:40	1
Toluene	ND		1.0	0.23	ug/L			04/18/17 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.31	ug/L			04/18/17 11:40	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			04/18/17 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L			04/18/17 11:40	1
Trichloroethene	ND		1.0	0.33	ug/L			04/18/17 11:40	1
Vinyl chloride	ND		1.0	0.45	ug/L			04/18/17 11:40	1
Xylenes, Total	ND		2.0	0.24	ug/L			04/18/17 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*		*04/18/17 11:40*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 124*		*04/18/17 11:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*61 - 138*		*04/18/17 11:40*	*1*
Toluene-d8 (Surr)	*99*		*73 - 120*		*04/18/17 11:40*	*1*

Lab Sample ID: LCS 240-275134/8
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	29.2		ug/L		73	35 - 131
Benzene	20.0	19.0		ug/L		95	79 - 120
Bromodichloromethane	20.0	18.0		ug/L		90	79 - 125
Bromoform	20.0	17.2		ug/L		86	55 - 145
Bromomethane	20.0	18.7		ug/L		94	17 - 158
2-Butanone	40.0	33.8		ug/L		85	43 - 149
Carbon disulfide	20.0	19.7		ug/L		99	49 - 141
Carbon tetrachloride	20.0	17.9		ug/L		89	55 - 171
Chlorobenzene	20.0	19.3		ug/L		96	80 - 120
Chloroethane	20.0	21.4		ug/L		107	10 - 149
Chloroform	20.0	19.0		ug/L		95	80 - 120
Chloromethane	20.0	17.2		ug/L		86	59 - 124
cis-1,3-Dichloropropene	20.0	17.2		ug/L		86	75 - 120
Dibromochloromethane	20.0	18.3		ug/L		92	64 - 129
1,1-Dichloroethane	20.0	19.7		ug/L		98	74 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-275134/8
Matrix: Water
Analysis Batch: 275134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	20.0	18.6		ug/L		93	68 - 133
1,1-Dichloroethene	20.0	19.7		ug/L		99	65 - 127
1,2-Dichloroethene, Total	40.0	38.2		ug/L		96	76 - 121
1,2-Dichloropropane	20.0	19.3		ug/L		97	78 - 127
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
2-Hexanone	40.0	38.1		ug/L		95	28 - 169
Methylene Chloride	20.0	18.7		ug/L		94	64 - 140
4-Methyl-2-pentanone	40.0	36.4		ug/L		91	53 - 144
Styrene	20.0	19.6		ug/L		98	80 - 121
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	58 - 122
Tetrachloroethene	20.0	19.7		ug/L		99	80 - 122
Toluene	20.0	20.3		ug/L		102	78 - 120
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	64 - 147
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	76 - 121
Trichloroethene	20.0	18.3		ug/L		92	76 - 124
Vinyl chloride	20.0	19.7		ug/L		98	65 - 124
Xylenes, Total	40.0	40.1		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*69 - 120*
Dibromofluoromethane (Surr)	*91*		*69 - 124*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 138*
Toluene-d8 (Surr)	*99*		*73 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-274728/9-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		04/14/17 08:38	04/18/17 09:07	1
Acenaphthylene	ND		0.20	0.020	ug/L		04/14/17 08:38	04/18/17 09:07	1
Anthracene	ND		0.20	0.031	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[a]anthracene	ND		0.20	0.059	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[a]pyrene	ND		0.20	0.030	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[b]fluoranthene	ND		0.20	0.059	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[g,h,i]perylene	ND		0.20	0.050	ug/L		04/14/17 08:38	04/18/17 09:07	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		04/14/17 08:38	04/18/17 09:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.037	ug/L		04/14/17 08:38	04/18/17 09:07	1
Bis(2-chloroethyl)ether	ND		1.0	0.19	ug/L		04/14/17 08:38	04/18/17 09:07	1
Bis(2-ethylhexyl) phthalate	1.89	J	5.0	1.5	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Bromophenyl phenyl ether	ND		2.0	0.35	ug/L		04/14/17 08:38	04/18/17 09:07	1
Butylbenzylphthalate	ND		2.0	0.22	ug/L		04/14/17 08:38	04/18/17 09:07	1
Carbazole	ND		1.0	0.11	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chloroaniline	ND		2.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chloro-3-methylphenol	ND		2.0	0.28	ug/L		04/14/17 08:38	04/18/17 09:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-274728/9-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Chlorophenol	ND		1.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		04/14/17 08:38	04/18/17 09:07	1
Chrysene	ND		0.20	0.035	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dibenzofuran	ND		1.0	0.14	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
3,3'-Dichlorobenzidine	ND		5.0	0.35	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dichlorophenol	ND		2.0	0.29	ug/L		04/14/17 08:38	04/18/17 09:07	1
Diethyl phthalate	2.41		2.0	0.13	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dimethylphenol	ND		2.0	0.31	ug/L		04/14/17 08:38	04/18/17 09:07	1
Dimethyl phthalate	ND		2.0	0.10	ug/L		04/14/17 08:38	04/18/17 09:07	1
Di-n-butyl phthalate	1.23	J	5.0	0.40	ug/L		04/14/17 08:38	04/18/17 09:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.53	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dinitrophenol	ND		40	6.1	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4-Dinitrotoluene	ND		5.0	0.26	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,6-Dinitrotoluene	ND		5.0	0.24	ug/L		04/14/17 08:38	04/18/17 09:07	1
Di-n-octyl phthalate	ND		2.0	0.37	ug/L		04/14/17 08:38	04/18/17 09:07	1
Fluoranthene	ND		0.20	0.027	ug/L		04/14/17 08:38	04/18/17 09:07	1
Fluorene	ND		0.20	0.034	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorobenzene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorobutadiene	ND		1.0	0.14	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachlorocyclopentadiene	ND		10	2.5	ug/L		04/14/17 08:38	04/18/17 09:07	1
Hexachloroethane	ND		1.0	0.22	ug/L		04/14/17 08:38	04/18/17 09:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.048	ug/L		04/14/17 08:38	04/18/17 09:07	1
Isophorone	ND		1.0	0.042	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Methylnaphthalene	ND		0.20	0.037	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Methylphenol	ND		1.0	0.19	ug/L		04/14/17 08:38	04/18/17 09:07	1
3 & 4 Methylphenol	ND		2.0	0.34	ug/L		04/14/17 08:38	04/18/17 09:07	1
Naphthalene	ND		0.20	0.043	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Nitroaniline	ND		2.0	0.31	ug/L		04/14/17 08:38	04/18/17 09:07	1
3-Nitroaniline	ND		2.0	0.27	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Nitroaniline	ND		2.0	0.24	ug/L		04/14/17 08:38	04/18/17 09:07	1
Nitrobenzene	ND		1.0	0.12	ug/L		04/14/17 08:38	04/18/17 09:07	1
2-Nitrophenol	ND		2.0	0.21	ug/L		04/14/17 08:38	04/18/17 09:07	1
4-Nitrophenol	ND		5.0	0.59	ug/L		04/14/17 08:38	04/18/17 09:07	1
N-Nitrosodi-n-propylamine	ND		1.0	0.16	ug/L		04/14/17 08:38	04/18/17 09:07	1
N-Nitrosodiphenylamine	ND		1.0	0.11	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.18	ug/L		04/14/17 08:38	04/18/17 09:07	1
Pentachlorophenol	ND		40	5.5	ug/L		04/14/17 08:38	04/18/17 09:07	1
Phenanthrene	ND		0.20	0.031	ug/L		04/14/17 08:38	04/18/17 09:07	1
Phenol	ND		1.0	0.15	ug/L		04/14/17 08:38	04/18/17 09:07	1
Pyrene	ND		0.20	0.028	ug/L		04/14/17 08:38	04/18/17 09:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4,5-Trichlorophenol	ND		5.0	0.37	ug/L		04/14/17 08:38	04/18/17 09:07	1
2,4,6-Trichlorophenol	ND		5.0	0.26	ug/L		04/14/17 08:38	04/18/17 09:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-274728/9-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274728

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
2-Fluorophenol (Surr)	*96*		*26 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Phenol-d5 (Surr)	*80*		*16 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
Terphenyl-d14 (Surr)	*72*		*43 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*36 - 120*	*04/14/17 08:38*	*04/18/17 09:07*	*1*

Lab Sample ID: LCS 240-274728/10-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	28.6		ug/L		89	58 - 120
Acenaphthylene	32.0	27.8		ug/L		87	59 - 120
Anthracene	32.0	27.7		ug/L		86	58 - 120
Benzo[a]anthracene	32.0	26.6		ug/L		83	58 - 120
Benzo[a]pyrene	32.0	28.7		ug/L		90	63 - 120
Benzo[b]fluoranthene	32.0	28.8		ug/L		90	59 - 120
Benzo[g,h,i]perylene	32.0	27.5		ug/L		86	41 - 127
Benzo[k]fluoranthene	32.0	29.1		ug/L		91	61 - 120
Bis(2-chloroethoxy)methane	32.0	28.2		ug/L		88	63 - 120
Bis(2-chloroethyl)ether	32.0	26.7		ug/L		84	57 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.1		ug/L		94	62 - 120
4-Bromophenyl phenyl ether	32.0	26.8		ug/L		84	55 - 120
Butylbenzylphthalate	32.0	28.9		ug/L		90	60 - 120
Carbazole	32.0	46.2	*	ug/L		144	59 - 120
4-Chloroaniline	32.0	29.2		ug/L		91	10 - 120
4-Chloro-3-methylphenol	32.0	30.3		ug/L		95	59 - 120
2-Chloronaphthalene	32.0	27.3		ug/L		85	56 - 120
2-Chlorophenol	32.0	28.8		ug/L		90	62 - 120
4-Chlorophenyl phenyl ether	32.0	27.6		ug/L		86	57 - 120
Chrysene	32.0	26.4		ug/L		83	59 - 120
Dibenz(a,h)anthracene	32.0	26.5		ug/L		83	39 - 125
Dibenzofuran	32.0	27.5		ug/L		86	58 - 120
1,2-Dichlorobenzene	32.0	26.5		ug/L		83	10 - 120
1,3-Dichlorobenzene	32.0	25.6		ug/L		80	10 - 120
1,4-Dichlorobenzene	32.0	25.9		ug/L		81	10 - 120
3,3'-Dichlorobenzidine	64.0	52.0		ug/L		81	10 - 120
2,4-Dichlorophenol	32.0	30.5		ug/L		95	63 - 120
Diethyl phthalate	32.0	32.5		ug/L		102	64 - 120
2,4-Dimethylphenol	32.0	28.3		ug/L		88	41 - 120
Dimethyl phthalate	32.0	29.7		ug/L		93	63 - 120
Di-n-butyl phthalate	32.0	29.4		ug/L		92	58 - 120
4,6-Dinitro-2-methylphenol	64.0	43.7		ug/L		68	40 - 120
2,4-Dinitrophenol	64.0	36.6	J	ug/L		57	20 - 120
2,4-Dinitrotoluene	32.0	29.8		ug/L		93	62 - 120
2,6-Dinitrotoluene	32.0	29.5		ug/L		92	63 - 120
Di-n-octyl phthalate	32.0	29.9		ug/L		94	58 - 128

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-274728/10-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	32.0	29.5		ug/L		92	59 - 120
Fluorene	32.0	28.8		ug/L		90	57 - 120
Hexachlorobenzene	32.0	26.7		ug/L		83	48 - 120
Hexachlorobutadiene	32.0	26.1		ug/L		82	47 - 120
Hexachlorocyclopentadiene	32.0	24.1		ug/L		75	24 - 120
Hexachloroethane	32.0	25.8		ug/L		80	48 - 120
Indeno[1,2,3-cd]pyrene	32.0	27.2		ug/L		85	49 - 121
Isophorone	32.0	29.1		ug/L		91	66 - 120
2-Methylnaphthalene	32.0	28.1		ug/L		88	57 - 120
2-Methylphenol	32.0	28.8		ug/L		90	55 - 120
3 & 4 Methylphenol	32.0	28.9		ug/L		90	53 - 120
Naphthalene	32.0	28.1		ug/L		88	58 - 120
2-Nitroaniline	32.0	31.3		ug/L		98	62 - 120
3-Nitroaniline	32.0	65.1	*	ug/L		203	10 - 171
4-Nitroaniline	32.0	40.9		ug/L		128	32 - 132
Nitrobenzene	32.0	29.6		ug/L		92	63 - 120
2-Nitrophenol	32.0	29.4		ug/L		92	65 - 120
4-Nitrophenol	64.0	54.0		ug/L		84	18 - 120
N-Nitrosodi-n-propylamine	32.0	29.2		ug/L		91	63 - 120
N-Nitrosodiphenylamine	32.0	28.7		ug/L		90	54 - 120
2,2'-oxybis[1-chloropropane]	32.0	28.9		ug/L		90	61 - 120
Pentachlorophenol	64.0	45.9	J	ug/L		72	33 - 120
Phenanthrene	32.0	27.1		ug/L		85	57 - 120
Phenol	32.0	24.6		ug/L		77	21 - 120
Pyrene	32.0	26.5		ug/L		83	57 - 120
1,2,4-Trichlorobenzene	32.0	25.6		ug/L		80	61 - 120
2,4,5-Trichlorophenol	32.0	29.7		ug/L		93	61 - 120
2,4,6-Trichlorophenol	32.0	28.7		ug/L		90	57 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*93*		*44 - 120*
2-Fluorophenol (Surr)	*107*		*26 - 120*
Nitrobenzene-d5 (Surr)	*99*		*44 - 120*
Phenol-d5 (Surr)	*81*		*16 - 120*
Terphenyl-d14 (Surr)	*90*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*92*		*36 - 120*

Lab Sample ID: LCSD 240-274728/11-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	32.0	25.5		ug/L		80	58 - 120	11	35
Acenaphthylene	32.0	24.7		ug/L		77	59 - 120	12	35
Anthracene	32.0	25.1		ug/L		78	58 - 120	10	35
Benzo[a]anthracene	32.0	23.8		ug/L		74	58 - 120	11	35
Benzo[a]pyrene	32.0	26.3		ug/L		82	63 - 120	9	35
Benzo[b]fluoranthene	32.0	26.7		ug/L		84	59 - 120	7	35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274728/11-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	32.0	24.7		ug/L		77	41 - 127	11	35
Benzo[k]fluoranthene	32.0	26.3		ug/L		82	61 - 120	10	35
Bis(2-chloroethoxy)methane	32.0	25.2		ug/L		79	63 - 120	11	35
Bis(2-chloroethyl)ether	32.0	24.9		ug/L		78	57 - 120	7	35
Bis(2-ethylhexyl) phthalate	32.0	26.1		ug/L		81	62 - 120	14	35
4-Bromophenyl phenyl ether	32.0	24.5		ug/L		76	55 - 120	9	35
Butylbenzylphthalate	32.0	25.8		ug/L		81	60 - 120	11	35
Carbazole	32.0	41.8	*	ug/L		131	59 - 120	10	35
4-Chloroaniline	32.0	24.8		ug/L		78	10 - 120	16	35
4-Chloro-3-methylphenol	32.0	27.7		ug/L		86	59 - 120	9	35
2-Chloronaphthalene	32.0	24.3		ug/L		76	56 - 120	12	35
2-Chlorophenol	32.0	26.6		ug/L		83	62 - 120	8	35
4-Chlorophenyl phenyl ether	32.0	25.0		ug/L		78	57 - 120	10	35
Chrysene	32.0	23.9		ug/L		75	59 - 120	10	35
Dibenz(a,h)anthracene	32.0	24.7		ug/L		77	39 - 125	7	35
Dibenzofuran	32.0	24.6		ug/L		77	58 - 120	11	35
1,2-Dichlorobenzene	32.0	24.0		ug/L		75	10 - 120	10	35
1,3-Dichlorobenzene	32.0	22.7		ug/L		71	10 - 120	12	35
1,4-Dichlorobenzene	32.0	22.5		ug/L		70	10 - 120	14	35
3,3'-Dichlorobenzidine	64.0	48.0		ug/L		75	10 - 120	8	35
2,4-Dichlorophenol	32.0	27.3		ug/L		85	63 - 120	11	35
Diethyl phthalate	32.0	29.4		ug/L		92	64 - 120	10	35
2,4-Dimethylphenol	32.0	25.9		ug/L		81	41 - 120	9	35
Dimethyl phthalate	32.0	27.1		ug/L		85	63 - 120	9	35
Di-n-butyl phthalate	32.0	26.2		ug/L		82	58 - 120	11	35
4,6-Dinitro-2-methylphenol	64.0	40.8		ug/L		64	40 - 120	7	35
2,4-Dinitrophenol	64.0	34.2	J	ug/L		53	20 - 120	7	35
2,4-Dinitrotoluene	32.0	26.6		ug/L		83	62 - 120	11	35
2,6-Dinitrotoluene	32.0	26.4		ug/L		82	63 - 120	11	35
Di-n-octyl phthalate	32.0	27.3		ug/L		85	58 - 128	9	35
Fluoranthene	32.0	26.7		ug/L		83	59 - 120	10	35
Fluorene	32.0	25.5		ug/L		80	57 - 120	12	35
Hexachlorobenzene	32.0	23.6		ug/L		74	48 - 120	12	35
Hexachlorobutadiene	32.0	23.7		ug/L		74	47 - 120	10	35
Hexachlorocyclopentadiene	32.0	21.6		ug/L		68	24 - 120	11	35
Hexachloroethane	32.0	22.7		ug/L		71	48 - 120	13	35
Indeno[1,2,3-cd]pyrene	32.0	24.9		ug/L		78	49 - 121	9	35
Isophorone	32.0	26.2		ug/L		82	66 - 120	10	35
2-Methylnaphthalene	32.0	25.3		ug/L		79	57 - 120	11	35
2-Methylphenol	32.0	27.8		ug/L		87	55 - 120	4	35
3 & 4 Methylphenol	32.0	27.4		ug/L		85	53 - 120	6	35
Naphthalene	32.0	25.1		ug/L		78	58 - 120	11	35
2-Nitroaniline	32.0	28.0		ug/L		87	62 - 120	11	35
3-Nitroaniline	32.0	57.7	*	ug/L		180	10 - 171	12	35
4-Nitroaniline	32.0	36.4		ug/L		114	32 - 132	12	35
Nitrobenzene	32.0	27.1		ug/L		85	63 - 120	9	35
2-Nitrophenol	32.0	25.5		ug/L		80	65 - 120	14	35
4-Nitrophenol	64.0	51.3		ug/L		80	18 - 120	5	35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274728/11-A
Matrix: Water
Analysis Batch: 275088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodi-n-propylamine	32.0	27.4		ug/L		86	63 - 120	6	35
N-Nitrosodiphenylamine	32.0	25.2		ug/L		79	54 - 120	13	35
2,2'-oxybis[1-chloropropane]	32.0	27.2		ug/L		85	61 - 120	6	35
Pentachlorophenol	64.0	41.4	J	ug/L		65	33 - 120	10	35
Phenanthrene	32.0	24.6		ug/L		77	57 - 120	10	35
Phenol	32.0	24.5		ug/L		77	21 - 120	0	35
Pyrene	32.0	24.1		ug/L		75	57 - 120	10	35
1,2,4-Trichlorobenzene	32.0	23.4		ug/L		73	61 - 120	9	35
2,4,5-Trichlorophenol	32.0	26.6		ug/L		83	61 - 120	11	35
2,4,6-Trichlorophenol	32.0	25.7		ug/L		80	57 - 120	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*44 - 120*
2-Fluorophenol (Surr)	*90*		*26 - 120*
Nitrobenzene-d5 (Surr)	*89*		*44 - 120*
Phenol-d5 (Surr)	*83*		*16 - 120*
Terphenyl-d14 (Surr)	*80*		*43 - 120*
2,4,6-Tribromophenol (Surr)	*85*		*36 - 120*

Lab Sample ID: MB 240-274733/19-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Anthracene	ND		6.7	0.78	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Bis(2-ethylhexyl) phthalate	ND		70	19	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Butylbenzylphthalate	ND		70	10	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Carbazole	ND		50	27	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Chloroaniline	ND		150	17	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Chloronaphthalene	ND		50	0.45	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Chlorophenol	ND		50	8.2	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Chrysene	ND		6.7	1.1	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Dibenzofuran	ND		50	0.66	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
1,2-Dichlorobenzene	ND		50	9.7	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
1,3-Dichlorobenzene	ND		50	11	ug/Kg		04/14/17 08:51	04/18/17 09:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-274733/19-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		50	20	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Diethyl phthalate	ND		70	16	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Dimethyl phthalate	ND		70	17	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Di-n-butyl phthalate	ND		70	15	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4,6-Dinitro-2-methylphenol	ND		150	9.2	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4-Dinitrophenol	ND		330	21	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4-Dinitrotoluene	ND		200	17	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Di-n-octyl phthalate	ND		70	7.9	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Fluoranthene	ND		6.7	0.55	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Fluorene	ND		6.7	0.53	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Hexachlorobutadiene	ND		50	5.6	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Hexachlorocyclopentadiene	ND		330	8.1	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Hexachloroethane	ND		50	9.0	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Isophorone	ND		50	13	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Methylnaphthalene	ND		6.7	0.50	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Methylphenol	ND		200	11	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Naphthalene	ND		6.7	0.82	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Nitroaniline	ND		200	9.1	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
3-Nitroaniline	ND		200	16	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Nitroaniline	ND		200	26	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Nitrobenzene	ND		100	2.2	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2-Nitrophenol	ND		50	8.3	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
4-Nitrophenol	ND		330	17	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
N-Nitrosodi-n-propylamine	ND		50	6.3	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,2'-oxybis[1-chloropropane]	ND		100	9.5	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Pentachlorophenol	ND		150	9.1	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Phenanthrene	ND		6.7	0.73	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Phenol	ND		50	7.3	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
Pyrene	ND		6.7	0.44	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
1,2,4-Trichlorobenzene	ND		50	3.5	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		04/14/17 08:51	04/18/17 09:20	1
2,4,6-Trichlorophenol	ND		150	8.9	ug/Kg		04/14/17 08:51	04/18/17 09:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*
2-Fluorophenol (Surr)	*68*		*33 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*
Nitrobenzene-d5 (Surr)	*79*		*32 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*
Phenol-d5 (Surr)	*71*		*32 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*
Terphenyl-d14 (Surr)	*88*		*47 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*
2,4,6-Tribromophenol (Surr)	*37*		*10 - 120*	*04/14/17 08:51*	*04/18/17 09:20*	*1*

QC Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Lab Sample ID: LCS 240-274733/20-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	567		ug/Kg		85	55 - 120
Acenaphthylene	667	554		ug/Kg		83	54 - 120
Anthracene	667	595		ug/Kg		89	59 - 120
Benzo[a]anthracene	667	555		ug/Kg		83	60 - 120
Benzo[a]pyrene	667	635		ug/Kg		95	61 - 120
Benzo[b]fluoranthene	667	601		ug/Kg		90	60 - 120
Benzo[g,h,i]perylene	667	600		ug/Kg		90	60 - 120
Benzo[k]fluoranthene	667	590		ug/Kg		89	61 - 120
Bis(2-chloroethoxy)methane	667	543		ug/Kg		81	53 - 120
Bis(2-chloroethyl)ether	667	518		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	667	607		ug/Kg		91	57 - 120
4-Bromophenyl phenyl ether	667	553		ug/Kg		83	48 - 120
Butylbenzylphthalate	667	577		ug/Kg		87	58 - 120
Carbazole	667	554		ug/Kg		83	56 - 120
4-Chloroaniline	667	422		ug/Kg		63	41 - 120
4-Chloro-3-methylphenol	667	576		ug/Kg		86	52 - 120
2-Chloronaphthalene	667	549		ug/Kg		82	54 - 120
2-Chlorophenol	667	533		ug/Kg		80	50 - 120
4-Chlorophenyl phenyl ether	667	574		ug/Kg		86	56 - 120
Chrysene	667	558		ug/Kg		84	62 - 120
Dibenz(a,h)anthracene	667	643		ug/Kg		97	59 - 120
Dibenzofuran	667	564		ug/Kg		85	57 - 120
1,2-Dichlorobenzene	667	541		ug/Kg		81	32 - 120
1,3-Dichlorobenzene	667	527		ug/Kg		79	29 - 120
1,4-Dichlorobenzene	667	537		ug/Kg		81	33 - 120
3,3'-Dichlorobenzidine	1330	900		ug/Kg		68	39 - 120
2,4-Dichlorophenol	667	574		ug/Kg		86	51 - 120
Diethyl phthalate	667	605		ug/Kg		91	58 - 120
2,4-Dimethylphenol	667	485		ug/Kg		73	34 - 120
Dimethyl phthalate	667	572		ug/Kg		86	59 - 120
Di-n-butyl phthalate	667	555		ug/Kg		83	54 - 120
4,6-Dinitro-2-methylphenol	1330	964		ug/Kg		72	23 - 120
2,4-Dinitrophenol	1330	515		ug/Kg		39	10 - 120
2,4-Dinitrotoluene	667	592		ug/Kg		89	57 - 120
2,6-Dinitrotoluene	667	568		ug/Kg		85	61 - 120
Di-n-octyl phthalate	667	577		ug/Kg		87	54 - 120
Fluoranthene	667	598		ug/Kg		90	57 - 120
Fluorene	667	531		ug/Kg		80	56 - 120
Hexachlorobenzene	667	568		ug/Kg		85	43 - 120
Hexachlorobutadiene	667	618		ug/Kg		93	48 - 120
Hexachlorocyclopentadiene	667	444		ug/Kg		67	23 - 120
Hexachloroethane	667	511		ug/Kg		77	46 - 120
Indeno[1,2,3-cd]pyrene	667	624		ug/Kg		94	62 - 120
Isophorone	667	548		ug/Kg		82	54 - 120
2-Methylnaphthalene	667	590		ug/Kg		89	53 - 120
2-Methylphenol	667	521		ug/Kg		78	48 - 120
3 & 4 Methylphenol	667	560		ug/Kg		84	49 - 120
Naphthalene	667	572		ug/Kg		86	53 - 120
2-Nitroaniline	667	507		ug/Kg		76	50 - 120
3-Nitroaniline	667	462		ug/Kg		69	51 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-274733/20-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitroaniline	667	541		ug/Kg		81	52 - 120
Nitrobenzene	667	546		ug/Kg		82	50 - 120
2-Nitrophenol	667	568		ug/Kg		85	49 - 120
4-Nitrophenol	1330	1150		ug/Kg		86	37 - 120
N-Nitrosodi-n-propylamine	667	541		ug/Kg		81	49 - 120
N-Nitrosodiphenylamine	667	524		ug/Kg		79	52 - 120
2,2'-oxybis[1-chloropropane]	667	484		ug/Kg		73	34 - 120
Pentachlorophenol	1330	817		ug/Kg		61	23 - 120
Phenanthrene	667	577		ug/Kg		87	58 - 120
Phenol	667	508		ug/Kg		76	49 - 120
Pyrene	667	545		ug/Kg		82	57 - 120
1,2,4-Trichlorobenzene	667	583		ug/Kg		88	28 - 120
2,4,5-Trichlorophenol	667	395		ug/Kg		59	31 - 120
2,4,6-Trichlorophenol	667	361		ug/Kg		54	18 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*89*		*39 - 120*
2-Fluorophenol (Surr)	*81*		*33 - 120*
Nitrobenzene-d5 (Surr)	*88*		*32 - 120*
Phenol-d5 (Surr)	*84*		*32 - 120*
Terphenyl-d14 (Surr)	*96*		*47 - 120*
2,4,6-Tribromophenol (Surr)	*56*		*10 - 120*

Lab Sample ID: LCSD 240-274733/21-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	667	568		ug/Kg		85	55 - 120	0	40
Acenaphthylene	667	557		ug/Kg		84	54 - 120	1	40
Anthracene	667	608		ug/Kg		91	59 - 120	2	40
Benzo[a]anthracene	667	576		ug/Kg		86	60 - 120	4	40
Benzo[a]pyrene	667	662		ug/Kg		99	61 - 120	4	40
Benzo[b]fluoranthene	667	662		ug/Kg		99	60 - 120	10	40
Benzo[g,h,i]perylene	667	639		ug/Kg		96	60 - 120	6	40
Benzo[k]fluoranthene	667	652		ug/Kg		98	61 - 120	10	40
Bis(2-chloroethoxy)methane	667	544		ug/Kg		82	53 - 120	0	40
Bis(2-chloroethyl)ether	667	519		ug/Kg		78	45 - 120	0	40
Bis(2-ethylhexyl) phthalate	667	613		ug/Kg		92	57 - 120	1	40
4-Bromophenyl phenyl ether	667	583		ug/Kg		87	48 - 120	5	40
Butylbenzylphthalate	667	585		ug/Kg		88	58 - 120	1	40
Carbazole	667	573		ug/Kg		86	56 - 120	3	40
4-Chloroaniline	667	421		ug/Kg		63	41 - 120	0	40
4-Chloro-3-methylphenol	667	573		ug/Kg		86	52 - 120	0	40
2-Chloronaphthalene	667	554		ug/Kg		83	54 - 120	1	40
2-Chlorophenol	667	534		ug/Kg		80	50 - 120	0	40
4-Chlorophenyl phenyl ether	667	604		ug/Kg		91	56 - 120	5	40
Chrysene	667	560		ug/Kg		84	62 - 120	0	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274733/21-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	667	679		ug/Kg		102	59 - 120	5	40
Dibenzofuran	667	570		ug/Kg		85	57 - 120	1	40
1,2-Dichlorobenzene	667	541		ug/Kg		81	32 - 120	0	40
1,3-Dichlorobenzene	667	525		ug/Kg		79	29 - 120	0	40
1,4-Dichlorobenzene	667	536		ug/Kg		80	33 - 120	0	40
3,3'-Dichlorobenzidine	1330	883		ug/Kg		66	39 - 120	2	40
2,4-Dichlorophenol	667	584		ug/Kg		88	51 - 120	2	40
Diethyl phthalate	667	604		ug/Kg		91	58 - 120	0	40
2,4-Dimethylphenol	667	469		ug/Kg		70	34 - 120	3	40
Dimethyl phthalate	667	566		ug/Kg		85	59 - 120	1	40
Di-n-butyl phthalate	667	602		ug/Kg		90	54 - 120	8	40
4,6-Dinitro-2-methylphenol	1330	811		ug/Kg		61	23 - 120	17	40
2,4-Dinitrophenol	1330	374		ug/Kg		28	10 - 120	32	40
2,4-Dinitrotoluene	667	598		ug/Kg		90	57 - 120	1	40
2,6-Dinitrotoluene	667	577		ug/Kg		87	61 - 120	2	40
Di-n-octyl phthalate	667	626		ug/Kg		94	54 - 120	8	40
Fluoranthene	667	616		ug/Kg		92	57 - 120	3	40
Fluorene	667	562		ug/Kg		84	56 - 120	6	40
Hexachlorobenzene	667	639		ug/Kg		96	43 - 120	12	40
Hexachlorobutadiene	667	615		ug/Kg		92	48 - 120	0	40
Hexachlorocyclopentadiene	667	439		ug/Kg		66	23 - 120	1	40
Hexachloroethane	667	512		ug/Kg		77	46 - 120	0	40
Indeno[1,2,3-cd]pyrene	667	661		ug/Kg		99	62 - 120	6	40
Isophorone	667	545		ug/Kg		82	54 - 120	1	40
2-Methylnaphthalene	667	588		ug/Kg		88	53 - 120	0	40
2-Methylphenol	667	533		ug/Kg		80	48 - 120	2	40
3 & 4 Methylphenol	667	563		ug/Kg		84	49 - 120	1	40
Naphthalene	667	570		ug/Kg		86	53 - 120	0	40
2-Nitroaniline	667	522		ug/Kg		78	50 - 120	3	40
3-Nitroaniline	667	468		ug/Kg		70	51 - 120	1	40
4-Nitroaniline	667	562		ug/Kg		84	52 - 120	4	40
Nitrobenzene	667	553		ug/Kg		83	50 - 120	1	40
2-Nitrophenol	667	570		ug/Kg		86	49 - 120	0	40
4-Nitrophenol	1330	1150		ug/Kg		86	37 - 120	0	40
N-Nitrosodi-n-propylamine	667	538		ug/Kg		81	49 - 120	1	40
N-Nitrosodiphenylamine	667	564		ug/Kg		85	52 - 120	7	40
2,2'-oxybis[1-chloropropane]	667	486		ug/Kg		73	34 - 120	0	40
Pentachlorophenol	1330	821		ug/Kg		62	23 - 120	1	40
Phenanthrene	667	592		ug/Kg		89	58 - 120	3	40
Phenol	667	508		ug/Kg		76	49 - 120	0	40
Pyrene	667	590		ug/Kg		88	57 - 120	8	40
1,2,4-Trichlorobenzene	667	584		ug/Kg		88	28 - 120	0	40
2,4,5-Trichlorophenol	667	380		ug/Kg		57	31 - 120	4	40
2,4,6-Trichlorophenol	667	365		ug/Kg		55	18 - 120	1	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*89*		*39 - 120*
2-Fluorophenol (Surr)	*82*		*33 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 240-274733/21-A
Matrix: Solid
Analysis Batch: 275112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 274733

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*89*		*32 - 120*
Phenol-d5 (Surr)	*85*		*32 - 120*
Terphenyl-d14 (Surr)	*102*		*47 - 120*
2,4,6-Tribromophenol (Surr)	*54*		*10 - 120*

Lab Sample ID: 240-78064-1 MS
Matrix: Solid
Analysis Batch: 275310

Client Sample ID: SD-041317-AG-020
Prep Type: Total/NA
Prep Batch: 274733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	26		936	816		ug/Kg	☼	84	42 - 120
Acenaphthylene	18		936	790		ug/Kg	☼	82	43 - 120
Anthracene	21		936	842		ug/Kg	☼	88	39 - 120
Benzo[a]anthracene	80		936	860		ug/Kg	☼	83	33 - 122
Benzo[a]pyrene	100		936	961		ug/Kg	☼	92	33 - 124
Benzo[b]fluoranthene	190		936	1110		ug/Kg	☼	99	35 - 125
Benzo[g,h,i]perylene	240		936	770		ug/Kg	☼	56	10 - 135
Benzo[k]fluoranthene	46		936	938		ug/Kg	☼	95	33 - 128
Bis(2-chloroethoxy)methane	ND		936	688		ug/Kg	☼	73	40 - 120
Bis(2-chloroethyl)ether	ND		936	608		ug/Kg	☼	65	26 - 120
Bis(2-ethylhexyl) phthalate	ND		936	817		ug/Kg	☼	87	43 - 123
4-Bromophenyl phenyl ether	ND		936	872		ug/Kg	☼	93	41 - 120
Butylbenzylphthalate	ND		936	763		ug/Kg	☼	81	44 - 120
Carbazole	40	J	936	853		ug/Kg	☼	87	42 - 120
4-Chloroaniline	ND	F1 F2	936	55.7	J F1	ug/Kg	☼	6	11 - 120
4-Chloro-3-methylphenol	ND		936	842		ug/Kg	☼	90	24 - 120
2-Chloronaphthalene	ND		936	724		ug/Kg	☼	77	42 - 120
2-Chlorophenol	ND		936	674		ug/Kg	☼	72	35 - 120
4-Chlorophenyl phenyl ether	ND		936	819		ug/Kg	☼	87	49 - 120
Chrysene	150		936	859		ug/Kg	☼	75	30 - 128
Dibenz(a,h)anthracene	20		936	752		ug/Kg	☼	78	29 - 121
Dibenzofuran	260		936	949		ug/Kg	☼	74	47 - 120
1,2-Dichlorobenzene	ND		936	623		ug/Kg	☼	67	25 - 120
1,3-Dichlorobenzene	ND		936	605		ug/Kg	☼	65	24 - 120
1,4-Dichlorobenzene	ND		936	610		ug/Kg	☼	65	28 - 120
3,3'-Dichlorobenzidine	ND	F1	1870	ND	F1	ug/Kg	☼	0	10 - 120
2,4-Dichlorophenol	ND		936	781		ug/Kg	☼	83	40 - 120
Diethyl phthalate	ND		936	801		ug/Kg	☼	86	51 - 120
2,4-Dimethylphenol	ND		936	751		ug/Kg	☼	80	21 - 120
Dimethyl phthalate	ND		936	757		ug/Kg	☼	81	51 - 120
Di-n-butyl phthalate	ND		936	862		ug/Kg	☼	92	47 - 120
4,6-Dinitro-2-methylphenol	ND		1870	831		ug/Kg	☼	44	10 - 120
2,4-Dinitrophenol	ND		1870	556		ug/Kg	☼	30	10 - 120
2,4-Dinitrotoluene	ND		936	786		ug/Kg	☼	84	49 - 120
2,6-Dinitrotoluene	ND		936	769		ug/Kg	☼	82	51 - 120
Di-n-octyl phthalate	ND		936	907		ug/Kg	☼	97	27 - 143
Fluoranthene	180		936	956		ug/Kg	☼	83	35 - 125
Fluorene	37		936	802		ug/Kg	☼	82	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78064-1 MS — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275310 — **Prep Batch: 274733**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	ND		936	854		ug/Kg	☼	91	37 - 120
Hexachlorobutadiene	ND		936	762		ug/Kg	☼	81	33 - 120
Hexachlorocyclopentadiene	ND	F1	936	ND	F1	ug/Kg	☼	0	10 - 120
Hexachloroethane	ND		936	414		ug/Kg	☼	44	23 - 120
Indeno[1,2,3-cd]pyrene	62		936	725		ug/Kg	☼	71	20 - 128
Isophorone	ND		936	688		ug/Kg	☼	73	39 - 120
2-Methylnaphthalene	1200		936	1520		ug/Kg	☼	37	29 - 120
2-Methylphenol	ND		936	1050		ug/Kg	☼	113	29 - 120
3 & 4 Methylphenol	ND		936	795		ug/Kg	☼	85	35 - 120
Naphthalene	870		936	1260		ug/Kg	☼	42	32 - 120
2-Nitroaniline	ND		936	696		ug/Kg	☼	74	43 - 120
3-Nitroaniline	ND	F1	936	61.2	J F1	ug/Kg	☼	7	11 - 120
4-Nitroaniline	ND	F1	936	57.6	J F1	ug/Kg	☼	6	21 - 121
Nitrobenzene	ND		936	679		ug/Kg	☼	73	38 - 120
2-Nitrophenol	ND		936	745		ug/Kg	☼	80	31 - 120
4-Nitrophenol	ND		1870	1830		ug/Kg	☼	97	29 - 120
N-Nitrosodi-n-propylamine	ND		936	675		ug/Kg	☼	72	38 - 120
N-Nitrosodiphenylamine	ND		936	883		ug/Kg	☼	94	45 - 120
2,2'-oxybis[1-chloropropane]	ND		936	568		ug/Kg	☼	61	26 - 120
Pentachlorophenol	ND		1870	469		ug/Kg	☼	25	10 - 120
Phenanthrene	640		936	1290		ug/Kg	☼	69	43 - 120
Phenol	ND		936	663		ug/Kg	☼	71	30 - 120
Pyrene	190		936	875		ug/Kg	☼	73	41 - 122
1,2,4-Trichlorobenzene	ND		936	735		ug/Kg	☼	79	27 - 120
2,4,5-Trichlorophenol	ND		936	761		ug/Kg	☼	81	19 - 120
2,4,6-Trichlorophenol	ND		936	633		ug/Kg	☼	68	14 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*39 - 120*
2-Fluorophenol (Surr)	*74*		*33 - 120*
Nitrobenzene-d5 (Surr)	*81*		*32 - 120*
Phenol-d5 (Surr)	*82*		*32 - 120*
Terphenyl-d14 (Surr)	*91*		*47 - 120*
2,4,6-Tribromophenol (Surr)	*65*		*10 - 120*

Lab Sample ID: 240-78064-1 MSD — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275310 — **Prep Batch: 274733**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	26		931	814		ug/Kg	☼	85	42 - 120	0	40
Acenaphthylene	18		931	781		ug/Kg	☼	82	43 - 120	1	31
Anthracene	21		931	873		ug/Kg	☼	92	39 - 120	4	40
Benzo[a]anthracene	80		931	911		ug/Kg	☼	89	33 - 122	6	40
Benzo[a]pyrene	100		931	998		ug/Kg	☼	96	33 - 124	4	40
Benzo[b]fluoranthene	190		931	1180		ug/Kg	☼	106	35 - 125	6	40
Benzo[g,h,i]perylene	240		931	725		ug/Kg	☼	52	10 - 135	6	40
Benzo[k]fluoranthene	46		931	1030		ug/Kg	☼	106	33 - 128	9	38

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78064-1 MSD — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275310 — **Prep Batch: 274733**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	ND		931	715		ug/Kg	☼	77	40 - 120	4	40
Bis(2-chloroethyl)ether	ND		931	633		ug/Kg	☼	68	26 - 120	4	40
Bis(2-ethylhexyl) phthalate	ND		931	873		ug/Kg	☼	94	43 - 123	7	27
4-Bromophenyl phenyl ether	ND		931	847		ug/Kg	☼	91	41 - 120	3	25
Butylbenzylphthalate	ND		931	797		ug/Kg	☼	86	44 - 120	4	25
Carbazole	40	J	931	875		ug/Kg	☼	90	42 - 120	2	38
4-Chloroaniline	ND	F1 F2	931	27.6	J F1 F2	ug/Kg	☼	3	11 - 120	67	40
4-Chloro-3-methylphenol	ND		931	839		ug/Kg	☼	90	24 - 120	0	40
2-Chloronaphthalene	ND		931	729		ug/Kg	☼	78	42 - 120	1	36
2-Chlorophenol	ND		931	696		ug/Kg	☼	75	35 - 120	3	40
4-Chlorophenyl phenyl ether	ND		931	810		ug/Kg	☼	87	49 - 120	1	27
Chrysene	150		931	936		ug/Kg	☼	84	30 - 128	9	40
Dibenz(a,h)anthracene	20		931	705		ug/Kg	☼	74	29 - 121	6	39
Dibenzofuran	260		931	965		ug/Kg	☼	76	47 - 120	2	35
1,2-Dichlorobenzene	ND		931	686		ug/Kg	☼	74	25 - 120	9	40
1,3-Dichlorobenzene	ND		931	626		ug/Kg	☼	67	24 - 120	3	40
1,4-Dichlorobenzene	ND		931	639		ug/Kg	☼	69	28 - 120	5	40
3,3'-Dichlorobenzidine	ND	F1	1860	ND	F1	ug/Kg	☼	0	10 - 120	NC	40
2,4-Dichlorophenol	ND		931	791		ug/Kg	☼	85	40 - 120	1	37
Diethyl phthalate	ND		931	786		ug/Kg	☼	84	51 - 120	2	26
2,4-Dimethylphenol	ND		931	748		ug/Kg	☼	80	21 - 120	0	37
Dimethyl phthalate	ND		931	761		ug/Kg	☼	82	51 - 120	0	29
Di-n-butyl phthalate	ND		931	860		ug/Kg	☼	92	47 - 120	0	24
4,6-Dinitro-2-methylphenol	ND		1860	941		ug/Kg	☼	51	10 - 120	13	40
2,4-Dinitrophenol	ND		1860	654		ug/Kg	☼	35	10 - 120	16	40
2,4-Dinitrotoluene	ND		931	786		ug/Kg	☼	84	49 - 120	0	28
2,6-Dinitrotoluene	ND		931	767		ug/Kg	☼	82	51 - 120	0	30
Di-n-octyl phthalate	ND		931	999		ug/Kg	☼	107	27 - 143	10	29
Fluoranthene	180		931	1020		ug/Kg	☼	90	35 - 125	6	36
Fluorene	37		931	794		ug/Kg	☼	81	45 - 120	1	39
Hexachlorobenzene	ND		931	870		ug/Kg	☼	93	37 - 120	2	25
Hexachlorobutadiene	ND		931	784		ug/Kg	☼	84	33 - 120	3	40
Hexachlorocyclopentadiene	ND	F1	931	ND	F1	ug/Kg	☼	0	10 - 120	NC	40
Hexachloroethane	ND		931	515		ug/Kg	☼	55	23 - 120	22	40
Indeno[1,2,3-cd]pyrene	62		931	674		ug/Kg	☼	66	20 - 128	7	36
Isophorone	ND		931	697		ug/Kg	☼	75	39 - 120	1	40
2-Methylnaphthalene	1200		931	1660		ug/Kg	☼	51	29 - 120	8	40
2-Methylphenol	ND		931	1020		ug/Kg	☼	110	29 - 120	3	40
3 & 4 Methylphenol	ND		931	819		ug/Kg	☼	88	35 - 120	3	40
Naphthalene	870		931	1360		ug/Kg	☼	53	32 - 120	8	40
2-Nitroaniline	ND		931	688		ug/Kg	☼	74	43 - 120	1	33
3-Nitroaniline	ND	F1	931	ND	F1	ug/Kg	☼	0	11 - 120	NC	40
4-Nitroaniline	ND	F1	931	ND	F1	ug/Kg	☼	0	21 - 121	NC	36
Nitrobenzene	ND		931	698		ug/Kg	☼	75	38 - 120	3	40
2-Nitrophenol	ND		931	763		ug/Kg	☼	82	31 - 120	2	40
4-Nitrophenol	ND		1860	1740		ug/Kg	☼	93	29 - 120	5	40
N-Nitrosodi-n-propylamine	ND		931	699		ug/Kg	☼	75	38 - 120	3	40
N-Nitrosodiphenylamine	ND		931	876		ug/Kg	☼	94	45 - 120	1	24

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-78064-1 MSD — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 275310 — **Prep Batch: 274733**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]	ND		931	587		ug/Kg	☼	63	26 - 120	3	40
Pentachlorophenol	ND		1860	332		ug/Kg	☼	18	10 - 120	34	40
Phenanthrene	640		931	1410		ug/Kg	☼	83	43 - 120	10	34
Phenol	ND		931	676		ug/Kg	☼	73	30 - 120	2	40
Pyrene	190		931	963		ug/Kg	☼	83	41 - 122	10	35
1,2,4-Trichlorobenzene	ND		931	758		ug/Kg	☼	81	27 - 120	3	40
2,4,5-Trichlorophenol	ND		931	789		ug/Kg	☼	85	19 - 120	4	40
2,4,6-Trichlorophenol	ND		931	687		ug/Kg	☼	74	14 - 120	8	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*84*		*39 - 120*
2-Fluorophenol (Surr)	*75*		*33 - 120*
Nitrobenzene-d5 (Surr)	*83*		*32 - 120*
Phenol-d5 (Surr)	*82*		*32 - 120*
Terphenyl-d14 (Surr)	*93*		*47 - 120*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 120*

Method: Moisture - Percent Moisture

Lab Sample ID: 240-78064-1 DU — **Client Sample ID: SD-041317-AG-020**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 274751

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	70.7			71.9		%				2	20

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

GC/MS VOA

Analysis Batch: 275075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-1	SD-041317-AG-020	Total/NA	Solid	8260C	275076
240-78064-2	SD-041317-AG-021	Total/NA	Solid	8260C	275076
MB 240-275076/1-A	Method Blank	Total/NA	Solid	8260C	275076
LCS 240-275075/6	Lab Control Sample	Total/NA	Solid	8260C	
240-78064-1 MS	SD-041317-AG-020	Total/NA	Solid	8260C	275076
240-78064-1 MSD	SD-041317-AG-020	Total/NA	Solid	8260C	275076

Prep Batch: 275076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-1	SD-041317-AG-020	Total/NA	Solid	5035	
240-78064-2	SD-041317-AG-021	Total/NA	Solid	5035	
MB 240-275076/1-A	Method Blank	Total/NA	Solid	5035	
240-78064-1 MS	SD-041317-AG-020	Total/NA	Solid	5035	
240-78064-1 MSD	SD-041317-AG-020	Total/NA	Solid	5035	

Analysis Batch: 275134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-3	RB-041317-AG-022	Total/NA	Water	8260C	
240-78064-4	TRIP BLANKS	Total/NA	Water	8260C	
MB 240-275134/7	Method Blank	Total/NA	Water	8260C	
LCS 240-275134/8	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 274728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-3	RB-041317-AG-022	Total/NA	Water	3510C	
MB 240-274728/9-A	Method Blank	Total/NA	Water	3510C	
LCS 240-274728/10-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 240-274728/11-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 274733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-1	SD-041317-AG-020	Total/NA	Solid	3540C	
240-78064-2	SD-041317-AG-021	Total/NA	Solid	3540C	
MB 240-274733/19-A	Method Blank	Total/NA	Solid	3540C	
LCS 240-274733/20-A	Lab Control Sample	Total/NA	Solid	3540C	
LCSD 240-274733/21-A	Lab Control Sample Dup	Total/NA	Solid	3540C	
240-78064-1 MS	SD-041317-AG-020	Total/NA	Solid	3540C	
240-78064-1 MSD	SD-041317-AG-020	Total/NA	Solid	3540C	

Analysis Batch: 275088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-3	RB-041317-AG-022	Total/NA	Water	8270D	274728
MB 240-274728/9-A	Method Blank	Total/NA	Water	8270D	274728
LCS 240-274728/10-A	Lab Control Sample	Total/NA	Water	8270D	274728
LCSD 240-274728/11-A	Lab Control Sample Dup	Total/NA	Water	8270D	274728

GC/MS Semi VOA (Continued)

Analysis Batch: 275112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-2	SD-041317-AG-021	Total/NA	Solid	8270D	274733
MB 240-274733/19-A	Method Blank	Total/NA	Solid	8270D	274733
LCS 240-274733/20-A	Lab Control Sample	Total/NA	Solid	8270D	274733
LCSD 240-274733/21-A	Lab Control Sample Dup	Total/NA	Solid	8270D	274733

Analysis Batch: 275310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-1	SD-041317-AG-020	Total/NA	Solid	8270D	274733
240-78064-1 MS	SD-041317-AG-020	Total/NA	Solid	8270D	274733
240-78064-1 MSD	SD-041317-AG-020	Total/NA	Solid	8270D	274733

General Chemistry

Analysis Batch: 274751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-78064-1	SD-041317-AG-020	Total/NA	Solid	Moisture	
240-78064-2	SD-041317-AG-021	Total/NA	Solid	Moisture	
240-78064-1 DU	SD-041317-AG-020	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: SD-041317-AG-020 — Lab Sample ID: 240-78064-1

Date Collected: 04/13/17 09:20 — **Matrix: Solid**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	274751	04/14/17 09:31	JWW	TAL CAN

Client Sample ID: SD-041317-AG-020 — Lab Sample ID: 240-78064-1

Date Collected: 04/13/17 09:20 — **Matrix: Solid**
Date Received: 04/13/17 14:34 — **Percent Solids: 70.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			275076	04/13/17 17:37	TJL2	TAL CAN
Total/NA	Analysis	8260C		1	275075	04/18/17 08:37	TJL2	TAL CAN
Total/NA	Prep	3540C			274733	04/14/17 08:51	DT	TAL CAN
Total/NA	Analysis	8270D		1	275310	04/19/17 18:13	JMG	TAL CAN

Client Sample ID: SD-041317-AG-021 — Lab Sample ID: 240-78064-2

Date Collected: 04/13/17 09:20 — **Matrix: Solid**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	274751	04/14/17 09:31	JWW	TAL CAN

Client Sample ID: SD-041317-AG-021 — Lab Sample ID: 240-78064-2

Date Collected: 04/13/17 09:20 — **Matrix: Solid**
Date Received: 04/13/17 14:34 — **Percent Solids: 67.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			275076	04/13/17 17:37	TJL2	TAL CAN
Total/NA	Analysis	8260C		1	275075	04/18/17 09:42	TJL2	TAL CAN
Total/NA	Prep	3540C			274733	04/14/17 08:51	DT	TAL CAN
Total/NA	Analysis	8270D		1	275112	04/18/17 19:58	JMG	TAL CAN

Client Sample ID: RB-041317-AG-022 — Lab Sample ID: 240-78064-3

Date Collected: 04/13/17 10:05 — **Matrix: Water**
Date Received: 04/13/17 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 17:28	HMB	TAL CAN
Total/NA	Prep	3510C			274728	04/14/17 08:38	KEH	TAL CAN
Total/NA	Analysis	8270D		1	275088	04/18/17 14:22	TMH	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Client Sample ID: TRIP BLANKS

Date Collected: 04/13/17 00:00
Date Received: 04/13/17 14:34

Lab Sample ID: 240-78064-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275134	04/18/17 17:51	HMB	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2017 Sediment

TestAmerica Job ID: 240-78064-1

Laboratory: TestAmerica Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	04-30-17 *
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-17 *
Illinois	NELAP	5	200004	07-31-17 *
Kansas	NELAP	7	E-10336	01-31-18
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (WW)	State Program	4	98016	12-31-17
Minnesota	NELAP	5	039-999-348	12-31-17
Minnesota (Petrofund)	State Program	1	3506	07-31-17 *
Nevada	State Program	9	OH-000482008A	07-31-17 *
New Jersey	NELAP	2	OH001	06-30-17 *
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-17
Texas	NELAP	6	T104704517-15-5	08-31-17
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-17
Washington	State Program	10	C971	01-12-18
West Virginia DEP	State Program	3	210	12-31-16 *
Wisconsin	State Program	5	999518190	08-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, Ohio 44720
Ph. (330) 497-9396 ; fax (330) 497-0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Mike Gibson	Site Contact: SNFT	Date: 4/13/17	COC No:
Eagon & Associates, Inc.	Sampler: A. GRAHAM	Lab Contact: Patrick J. O'Meara	Carrier: HAND DELIVERED	1 of 1 COCs
100 Old Wilson Bridge Road, Suite 115	**Analysis Turnaround Time**			For Lab Use Only:
Worthington, Ohio 43085	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
(614) 888-5760 Ph. / (614) 888-5760 Fax	TAT if different from Below _____			Lab Sampling:
a.graham@eagoninc.com / mgibson@eagoninc.com	☑ 2 weeks			
Project Name: Summit National - 2017 Annual Sediment	☐ 1 week			Job / SDG No.:
Site: Summit National Superfund Site	☐ 2 days			
P O # No PO required	☐ 1 day			Sampler: ADG

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8270D - Moisture Content (Comp)	8260C - Project VOCs-Terracores (Grab)	8270D - (MOD) Project TCL SVOCs (Comp)	8260C - (MOD) Project TCL VOCs (Grab)	8270D - (MOD) TCL SVOCs (Grab)	Sample Specific Notes:
SD-041317-AG-020	4/13/17	0920	G/C	Solid	5	N		X	X	X			
SD-041317-AG-020 MS	↓	↓	↓	↓	↓	N		X	X	X			
SD-041317-AG-020 MSD	↓	↓	↓	↓	↓	N		X	X	X			
SD-041317-AG-021	↓	↓	↓	↓	↓	N		X	X	X			
RB-041317-AG-022	↓	1005	GRAB	water	5	N					X	X	
TRIP BLANKS	—	—	—	O	2	N					X		
								1	6	1	2		

240-78064 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Andrew D. Graham	Eagon & Associates, Inc.	4/13/17		TA	4/13/17 1434
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.1, dated 02/20/2013

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 78064

Client Eagon + Assoc Site Name _____ Cooler unpacked by: Gerry Burns

Cooler Received on 4/13/17 Opened on 4/13/17

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other Multiple

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
   ~~IR GUN# IR-8 (CF -0.3 °C)~~ Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF +0.8°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____ Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B630301VB Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____.

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 180064

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	8	2.6	2.3	ICE
		0.6	0.3	
		1.4	1.1	
		1.8	1.5	

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: S & E DITCH SEDIMENT

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: GRAB (VOCs) COMP. (SVOCs)
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: ~~Y or N~~ 0.45µ or ____ µ *(circle or fill in)*

Purging Device: —
A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Sampling Device: X

X - Other: SS spoon & bowl

Pump Type (Vol): —
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft): —
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
04/13/17	09:20						

Sample Apperance: Dark gray **Odor:** None **Color:** Dark gray/blk **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: ~0-5mph / NE Air Temp: ~50°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): Collected sediment sample w/ S.S trowel then transferred to S.S. bowl; collect. VOCs first w/ Terraclin Samplers; then composited sample before collecting filling SVOC sample jars; sediment samples collected at confluence of S & E ditches ~1-2' below water surface ~10' SE of well MW-113.

FIELD COMMENTS

SAMPLE ID#:
SD-041317-AG-020
SD-041317-AG-020MS
SD-041317-AG-020MSD
Duplicate Sample collected (SD-041317-AG-021)

Samples Collected:
TCL VOCs, TCL SVOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/13/17 — Date
Andrew D. Graham — Name
Signature

EAGON & ASSOCIATES, INC.

EA-200 R-9/16

FIELD INFORMATION FORM

Site Name: SUMMIT NATIONAL

Sample Point: S&E DITCH SEDIMENT RINSE BLANK

WELL DATA

Water-Level Date: (MM/DD/YY)

Water-Level Time:

Purge/Sample Method: GRAB
LF = Low Flow P = Passive Dry = Dry V = Volumetric

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? (Y) or N

Filter Device: ~~Y or N~~ 0.~~45µ~~ or ___ µ *(circle or fill in)*

Purging Device ___
A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Sampling Device X

X - Other SS Bowl

Pump Type (Vol) ___
A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft) ___
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

PURGE INFO

PURGE DATE (MM/DD/YY)	START PURGE TIME (2400 Hr. Clock)	ELAPSED HRS (hrs:min)	WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each*	TOTAL VOL PURGED (Liters : Gallons) *circle one*	PUMP/TUBING:WELL VOLS PURGED *(optional)*

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L : Gals)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)

FIELD DATA

SAMPLE DATE (MM/DD/YY)	SAMPLE TIME (2400 Hr. Clock)	VOL. PURGED (L : Gals)	pH (S.U.)	SPEC. CONDUCTANCE (µmhos/cm)	TEMPERATURE (°C)	TURBIDITY (NTU)	RATE (mL/min)
04/13/17	1010:15	—	5.76	5.49	13.0	1.24	—

Sample Apperance: Clear **Odor:** None **Color:** None **Other:** —

Weather Conditions (at sample time): Wind Speed / Direction: ~0-5mph / NE Air Temp: ~50°F Precipitation: Y or (N)

Comments (including purge/well volume calculations if required): S&E ditch sediment rinsate blank collected after decon of S.S. bowl after collecting S&E ditch sediment sample; sample was collected by pouring lab supplied deionized water into bowl then decanting into sample containers.

SAMPLE ID#: RB-041317-AG-022

Samples Collected:
TCL VOCs, TCL VOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

Date	Name	Signature
4/13/17	Andrew D. Graham	[signature]

EAGON & ASSOCIATES, INC.

EA-200 R-9/16

FIELD METER CALIBRATION RECORD

Project Name: SUMMIT NATIONAL Sampler(s): A. GRAHAM

pH Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Buffer Brand/Expiration: pH 4 IE / 2-26-18 ; pH 7 IE / 4-28-18 ; pH 10 IE / 1-13-18

Date	Time	Calibrate/Check	pH 4 Buffer Result (S.U.)	pH 7 Buffer Result (S.U.)	pH 10 Buffer Result (S.U.)	Temp. of Cal. Soln' (°C)
4/12/17	1216	Calibrate	4.02	6.99	10.01	17.0
4/13/17	0817	Calibrate	3.96	7.01	10.03	10.7

Conductivity/Temp. Meter(s): Make/Model/Serial No: OAKTON 300 / 357834

Cond. Solution Brand/Expiration: IE / 5-24-17 Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/17	1210	Calibrate	1417	16.9	
4/13/17	0809	Calibrate	1414	10.7	

Turbidity Meter(s): Make/Model/Serial No.: HACH 2100Q / 1411 0C037175

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/17	1209	check	5.06	5.09	
4/13/17	0811	check	5.06	5.07	

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

APPENDIX C.

DATA VALIDATION RESULTS

DATA VALIDATION RESULTS

Groundwater Samples

Groundwater samples were collected from 12 monitoring wells during the April 2017 annual monitoring event at the Summit National Superfund Site (Site). Trip blanks, rinse blanks, duplicates, and matrix spike (MS)/matrix spike duplicate (MSD) samples were collected and analyzed per the frequency specified in the QAPP. Specifically, one trip blank was analyzed for volatile organic compounds (VOCs) by SW-846 Method 8260C, two rinse blank samples and two duplicate samples were collected and analyzed for the complete list of event parameters, and MS/MSD samples were collected from one Site monitoring well.

Duplicate sample results are compared to original sample results on the attached summary table (Table C1) and the relative percent difference (RPD) was calculated for each set of quantified results. Calculable RPD values between the original and duplicate samples were less than 20 percent for all duplicate comparisons.

The sample receipt summary (included in the laboratory analytical report) indicates that all samples were received at the laboratory at temperatures of 2.3, 0.3, 1.1 and 1.5°C and all samples were adequately preserved.

Analysis of VOCs includes results that are below the reporting limit (RL) but are above the method detection limit (MDL). These results are qualified with a "J" qualifier indicating that the result is an estimated value. The analytical results narrative provided by the laboratory, TestAmerica Laboratories of North Canton, Ohio, specifies dilution factors used and deviations from quality control (QC) protocols.

Volatile Organic Compounds

Samples were analyzed for VOCs by SW-846 Method 8260C. All analyses were performed within the required method holding time. All surrogate and blank spike recoveries

were compliant and there were no detections of target compounds reported in the method blank analyses. MS/MSD recoveries also were compliant. There were no VOC detections in the trip blank. Dilution factors used for analysis of samples from MW-11 (2.5 times), MW-107 (5-50 times), MW-108 (1-8.3 times), and MW-111 (2.5 times) have resulted in correspondingly higher RLs and PQLs. Reported results from MW-108 and MW-111 are in some cases nondetect for compounds typically detected during past events and some results are reported as estimated at levels similar to previously quantified detections.

Sediment Samples

A sediment sample and duplicate were collected from the south and east ditch. One rinse blank also was collected and a trip blank was analyzed for volatile organic compounds only. Samples were analyzed for VOCs by SW-846 Method 8260C and semi-volatile organic compounds (SVOCs) by SW-846 Method 8270D. MS/MSD sediment samples also were collected.

The sample receipt summary indicates that all samples were received at the laboratory at temperatures of 2.3, 0.3, 1.1 and 1.5°C and all samples were adequately preserved.

Analysis of VOCs and SVOCs includes results that are below the RL but are above the MDL. These results are qualified with a "J" qualifier indicating that the result is an estimated value. The analytical results narrative provided by the laboratory specifies dilution factors used and deviations from QC protocols.

Duplicate sample results are compared to original sample results on the attached summary table (Table 5 of the report) and the RPD was calculated for each set of quantified results. RPD values were greater than 20 percent for Acenaphthene, Anthracene, Chrysene, Dibenz(a,h)anthracene, Dibenzofuran, Fluoranthene, Fluorene, and Naphthalene. Calculable RPD values between the original and duplicate samples were less than 20 percent for all other duplicate comparisons. It is noted that sampling procedures for the sediment sample and duplicate include mixing of the sample volume prior to filling sample containers in an effort to

homogenize the sample volume. However, the analyses are of separate sediment sample volumes and some differences in results are not unexpected. Data are not qualified due to RPD exceedances alone. Additional evaluation of analytical results and QC data are provided in the following paragraphs.

Volatile Organic Compounds

Samples were analyzed for VOCs by SW-846 Method 8260C. All analyses were performed within the required method holding time. All surrogate and blank spike recoveries were compliant.

The TestAmerica narrative in the laboratory analytical data report indicates that there was an RPD exceedance for MS and MSD recoveries of 1,1,2,2-Tetrachloroethane. The MS and MSD recoveries were compliant and 1,1,2,2-Tetrachloroethane was not detected in the sample or duplicate. The nondetect results are consistent with historical results for 1,1,2,2-Tetrachloroethane. No data have been qualified due to the RPD exceedance.

Semi-Volatile Organic Compounds

Samples were analyzed for SVOCs by SW-846 Method 8270D. All extractions and analyses were performed within the required method hold times. All surrogate recoveries were compliant.

Diethyl phthalate, Bis(2-ethylhexyl) phthalate, and Di-n-butyl phthalate were detected in the method blank associated with analysis of the rinse blank sample. The method blank results were 2.41 micrograms per kilogram (ug/Kg), 1.89J ug/Kg and 1.23J ug/Kg, respectively. Results for these compounds from the rinse blank sample were 1.5J ug/Kg, 1.6J ug/Kg and 1.1J ug/Kg, respectively. The similarity of the sample results to the method blank results suggests that the reported sample detections are from a laboratory derived source and are not present in the rinse blank sample.

Laboratory control sample (LCS) and duplicate (LCSD) recoveries were above the QC limits for Carbazole and 3-Nitroaniline in the LCS and LCSD associated with analysis of the rinse blank sample. Recoveries for Carbazole were 144 percent and 131 percent. The upper QC limit is 120 percent. Recoveries for 3-Nitroaniline were 203 percent and 180 percent and the upper QC limit is 171 percent. The high LCS recoveries indicate a potential high bias to the sample results. Neither compound was detected in the rinse blank sample. None of the rinse blank results were qualified due to the LCS exceedances.

The laboratory analytical report narrative indicates that continuing calibration verification (CCV) recoveries exceeded the upper control limit for 4-Nitrophenol, 4-Nitroaniline, 3-Nitroaniline, and Carbazole. The high CCV recoveries indicate a potential high bias to the sample results. The rinse blank results for these compounds were nondetect. No data have been qualified due to the CCV recovery exceedances.

MS/MSD recoveries were below the QC limits as detailed in the following table in the QC samples associated with analysis of the sediment sample and duplicate.

	MS Recovery	MSD Recovery	Lower QC Limit	RPD	RPD Limit
4-Chloroaniline	6%	3%	11%	67%	40%
3,3-Dichlorobenzidene	0%	0%	10%	NC	40%
Hexachlorocyclopentadiene	0%	0%	10%	NC	40%
3-Nitroaniline	7%	0%	11%	NC	40%
4-Nitroaniline	6%	0%	21%	NC	36%

NC = Not Calculable

As shown on the table, the RPD exceeded the QC limit for 4-Chloroaniline. RPDs could not be calculated for the other compounds due to zero recoveries. The low MS/MSD recoveries indicate a potential low bias to the sample results. Sample results for the above listed

compounds were all nondetect and the nondetect results are consistent with historical results. However, the results are rejected (R qualifier) due to the low or zero MS/MSD recoveries.

The laboratory analytical report narrative indicates that CCV recovery exceeded the upper control limit for 4,6-Dinitro-2-methylphenol. The high CCV recovery indicates a potential high bias to the sample results. The sample and duplicate results were nondetect for 4,6-Dinitro-2-methylphenol. No data have been qualified due to the CCV recovery exceedance.

Surface Water Samples

A surface water sample and duplicate were collected from the confluence of the south and east ditches. One field blank was collected and a trip blank was analyzed for volatile organic compounds only. Samples were analyzed for VOCs by SW-846 Method 8260C and SVOCs by SW-846 Method 8270D. Site specific MS/MSD samples also were collected.

Duplicate sample results are compared to original sample results on the attached summary table (Table 4 of the report) and the RPD was calculated for each set of quantified results. RPD values were greater than 20 percent for Bis(2-ethylhexyl)phthalate (72.7 %) and Di-n-butyl phthalate (34.0 %). Calculable RPD values between the original and duplicate samples were less than 20 percent for all other duplicate comparisons. These RPD values that were greater than 20 percent were calculated based two estimated values. Data are not qualified due to RPD exceedances alone.

The sample receipt summary (included in the laboratory analytical report) indicates that all samples were received at the laboratory at temperatures of 2.3, 0.3, 1.1 and 1.5°C and all samples were adequately preserved.

Analysis of VOCs and SVOCs includes results that are below the RL but are above the MDL. These results are qualified with a "J" qualifier indicating that the result is an estimated value. The analytical results narrative provided by the laboratory, TestAmerica, specifies

dilution factors used and deviations from quality control (QC) protocols.

Volatile Organic Compounds

Samples were analyzed for VOCs by SW-846 Method 8260C. All analyses were performed within the required method holding time. All surrogate recoveries were compliant and there were no detections of target compounds reported in the method blank analyses. All spike recoveries were compliant and there were no other QC discrepancies associated with analysis of the sample, duplicate, field blank and trip blank.

Semi-Volatile Organic Compounds

Samples were analyzed for SVOCs by SW-846 Method 8270D. All extractions and analyses were performed within the required method hold times. All surrogate recoveries were compliant.

Diethyl phthalate, Bis(2-ethylhexyl) phthalate, and Di-n-butyl phthalate were detected in the method blank associated with analysis of the surface-water sample, duplicate and field blank.. The method blank results are compared to sample results in the following table.

	Method Blank	Surface Water Sample	Duplicate	Field Blank
Bis(2-ethylhexyl)phthalate	1.89J ug/L	3.0 ug/L	1.4J ug/L	<4.5 ug/L
Diethyl phthalate	2.41 ug/L	2.3 ug/L	2.4 ug/L	2.3 ug/L
Di-n-Butyl phthalate	1.23J ug/L	1.1J ug/L	0.78J ug/L	0.75J ug/L

The similarity of the sample results to the method blank results suggests that the detections are from a laboratory derived source and are not present in the associated samples.

The MS recovery was above the QC limit for 3-Chloroaniline in the QC sample associated with analysis of the surface-water sample, duplicate, and field blank. The MS recovery was 155 percent. The upper QC limit is 120 percent. The MSD recovery was 144 percent. The high MS/MSD recoveries indicate a potential high bias in the sample results. The results for all samples were nondetect and are reported unqualified.

The laboratory analytical report narrative indicates that CCV recoveries exceeded the upper control limit for 4-Nitrophenol, 4-Nitroaniline, 3-Nitroaniline, and Carbazole. The high CCV recoveries indicate a potential high bias to the sample results. The sample, duplicate and field blank results for these compounds were nondetect. No data have been qualified due to the CCV recovery exceedances.

LCS and LCSD recoveries were above the QC limits for Carbazole and 3-Nitroaniline in the LCS and LCSD associated with analyses of the sample, duplicate and field blank. Recoveries for Carbazole were 144 percent and 131 percent. The upper QC limit is 120 percent. Recoveries for 3-Nitroaniline were 203 percent and 180 percent and the upper QC limit is 171 percent. The high LCS recoveries indicate a potential high bias to the sample results. Neither compound was detected in the associated samples. None of the sample results were qualified due to the LCS exceedances.

Summary

The April 2017 annual monitoring event performed at the Site included collection of groundwater samples from 12 monitoring wells. A surface-water sample and sediment sample also were collected from the south and east ditch. The appropriate number of duplicate samples, rinse blank and field blank samples, and MS/MSD samples were collected in accordance with the requirements specified in the QAPP. Trip blanks for VOC analyses were included in each cooler that contained samples for VOC analysis. Sample results were qualified as estimated or rejected as described in this data validation report. Five of the SVOC results for the sediment sample and its duplicate were rejected due to low MS/MSD recoveries. Completeness for the April 2017 groundwater monitoring event is 98.8 percent.

TABLE C1.
RELATIVE PERCENT DIFFERENCES OF QUANTIFIED RESULTS
SUMMIT NATIONAL SUPERFUND SITE

Location				
Parameter	**Units**	**Investigative Sample**	**Duplicate Sample**	**RPD[1]**
MW-107		GW-041317-NK-014	GW-041317-NK-015	
1,1,1-Trichloroethane	ug/L	11	11	0%
1,1-Dichloroethane	ug/L	1100	1200	9%
1,2-Dichloroethane	ug/L	55	50	10%
Acetone	ug/L	< 63	< 63	NC[2]
Benzene	ug/L	76	73	4%
Chlorobenzene	ug/L	42	40	5%
Chloroethane	ug/L	56	56	0%
cis-1,2-Dichloroethene	ug/L	11	11	0%
Ethylbenzene	ug/L	990	970	2%
Toluene	ug/L	1800	1800	0%
trans-1,2-Dichloroethene	ug/L	< 6.3	< 6.3	NC[2]
Trichloroethene	ug/L	< 6.3	< 6.3	NC[2]
Vinyl chloride	ug/L	17	19	11%
Xylene (total)	ug/L	3200	3300	3%
MW-108		GW-041217-NK-004	GW-041217-NK-005	
1,1,1-Trichloroethane	ug/L	3	3.5	15%
1,1-Dichloroethane	ug/L	260	270	4%
1,2-Dichloroethane	ug/L	59	51	15%
Acetone	ug/L	< 10	< 10	NC[2]
Benzene	ug/L	110	110	0%
Chlorobenzene	ug/L	< 1	< 1	NC[2]
Chloroethane	ug/L	< 1	< 1	NC[2]
cis-1,2-Dichloroethene	ug/L	180	190	5%
Ethylbenzene	ug/L	0.30 J	0.28 J	NC[2]
Toluene	ug/L	0.74 J	0.72 J	NC[2]
trans-1,2-Dichloroethene	ug/L	5.9	6	2%
Trichloroethene	ug/L	29	31	7%
Vinyl chloride	ug/L	82	86	5%
Xylene (total)	ug/L	< 2	< 2	NC[2]

Notes:

ND - Non-Detect

[1] RPD - Relative Percent Difference

[2] NC - Not Calculable

[3] J - Estimated result less than the practical quantitation limit and greater than the method detection limit.

APPENDIX D.

TIME-SERIES PLOTS OF WATER-QUALITY DATA, ANNUAL MONITORING WELLS

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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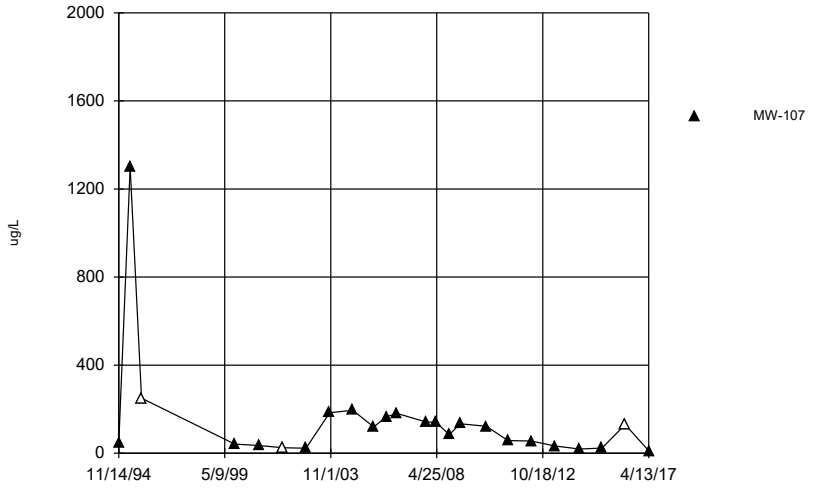

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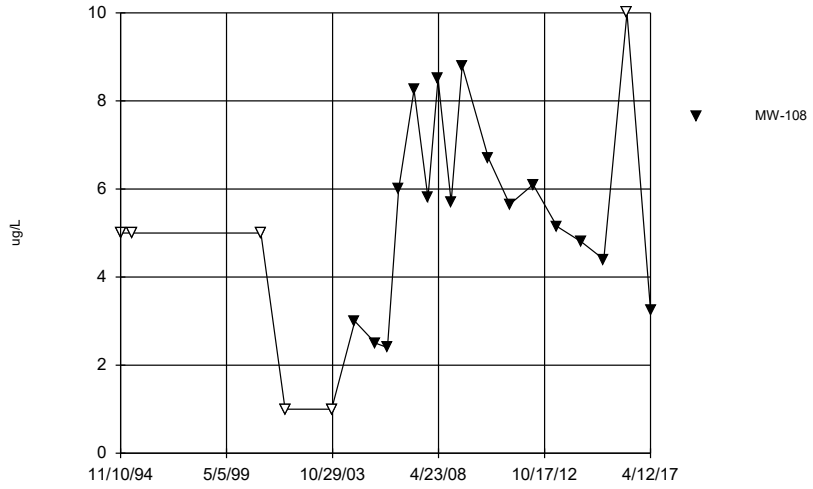

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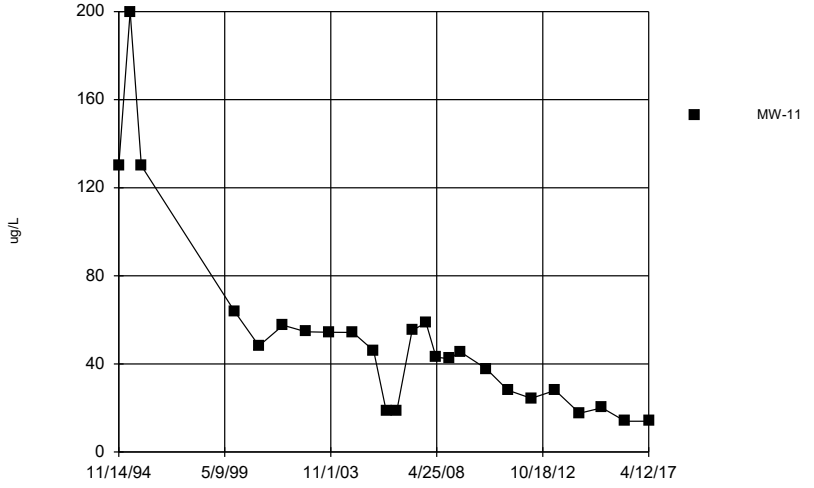

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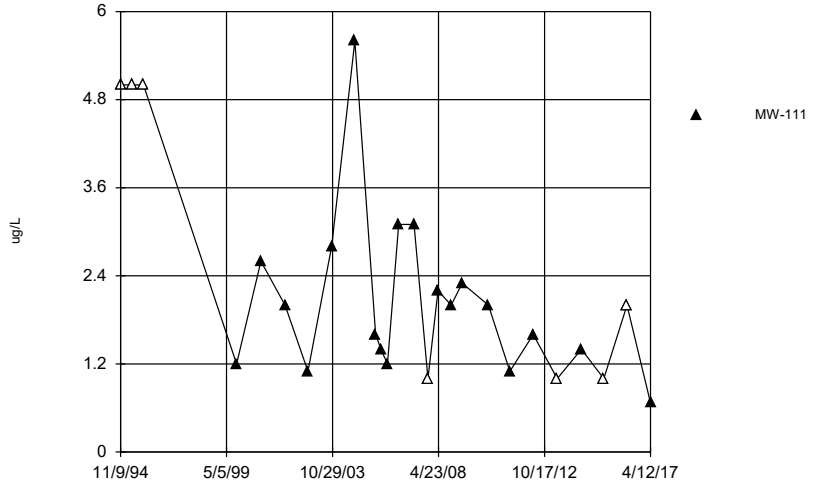

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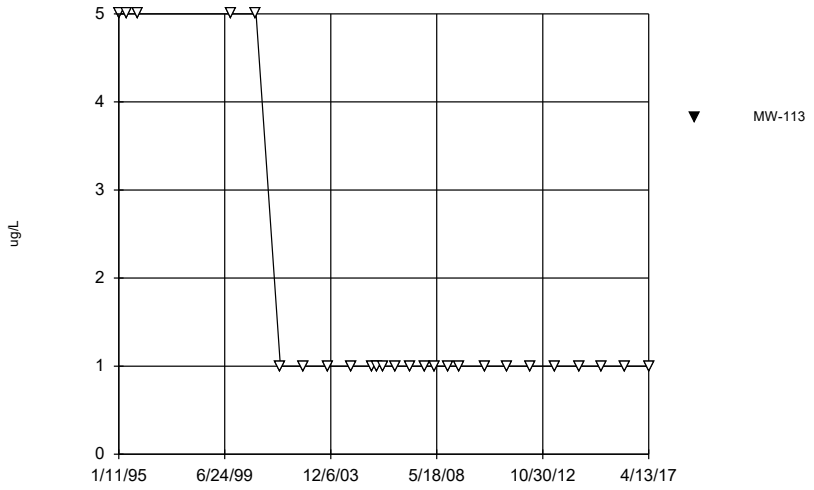

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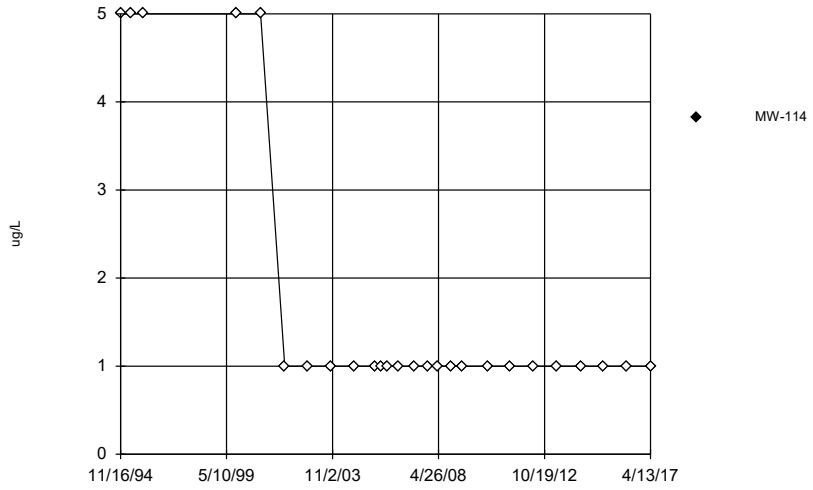

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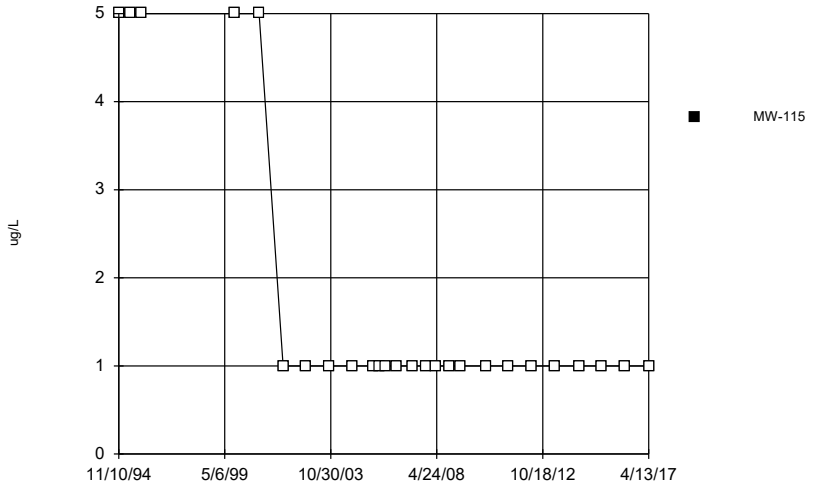

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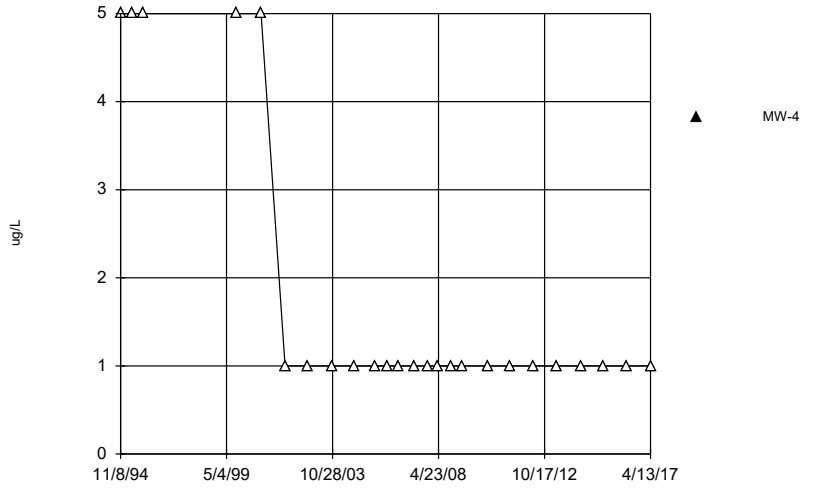

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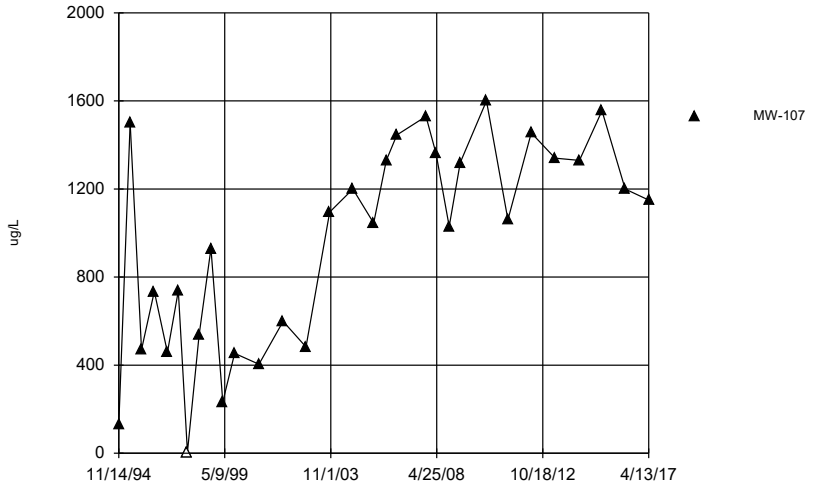

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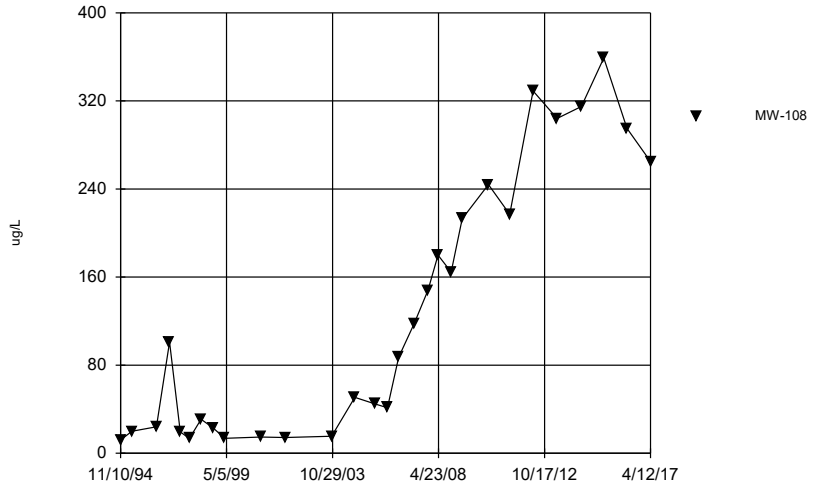

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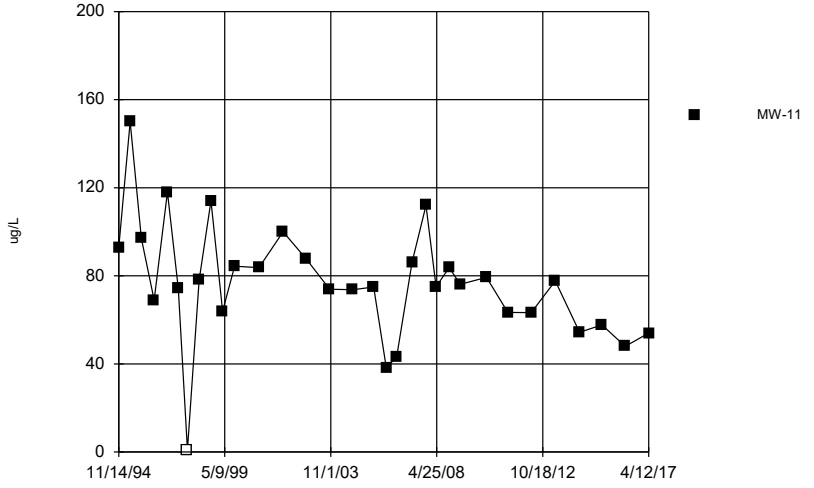

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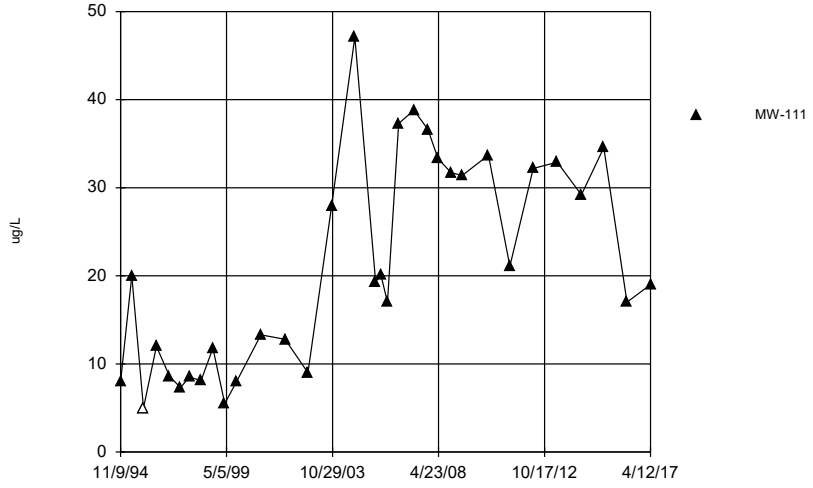

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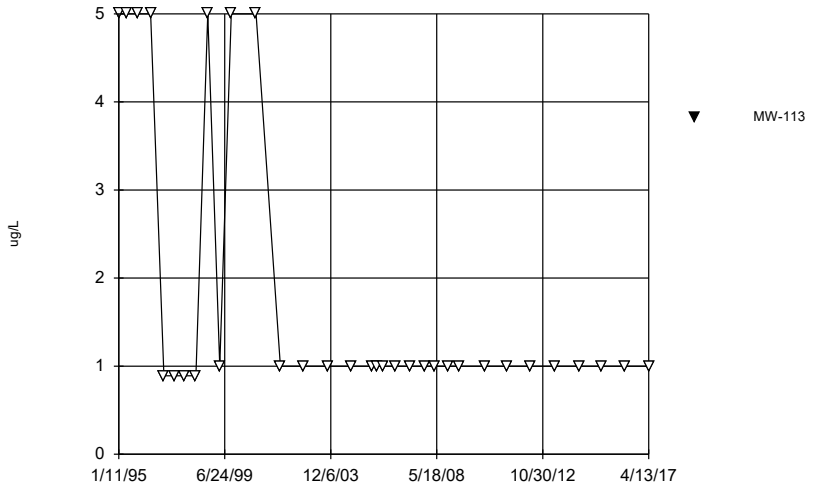

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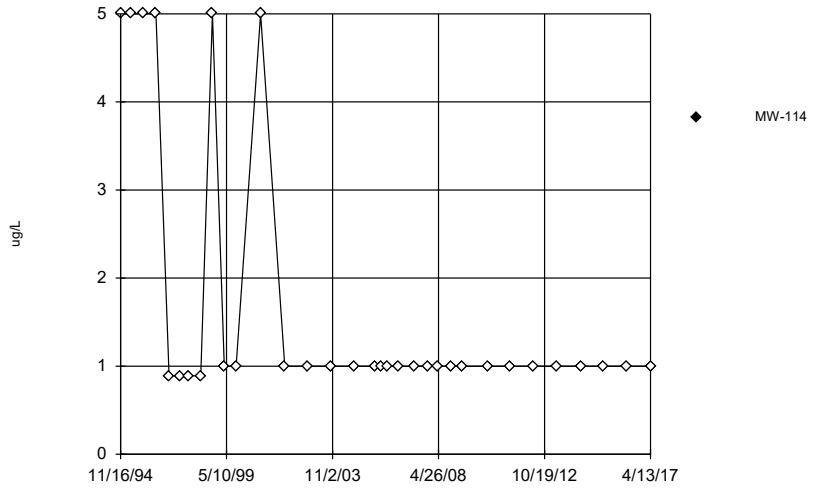

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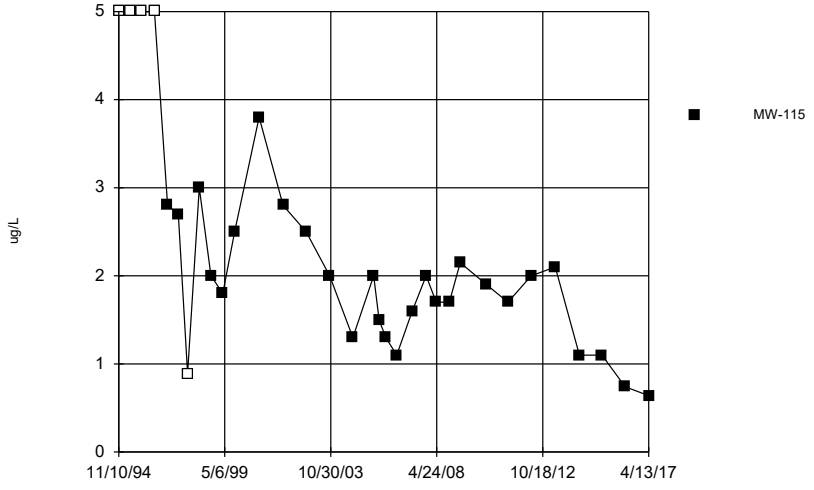

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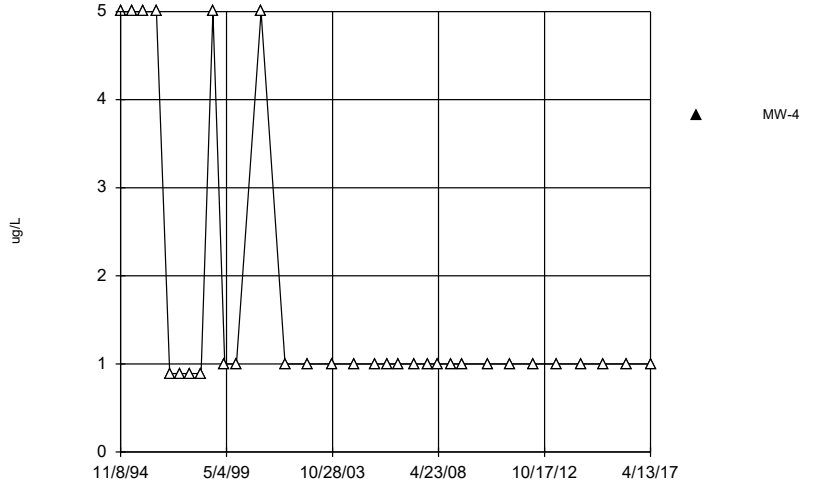

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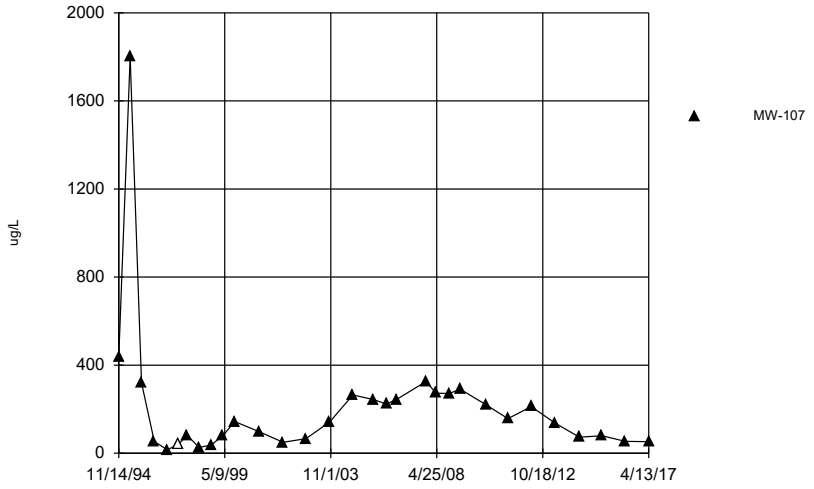

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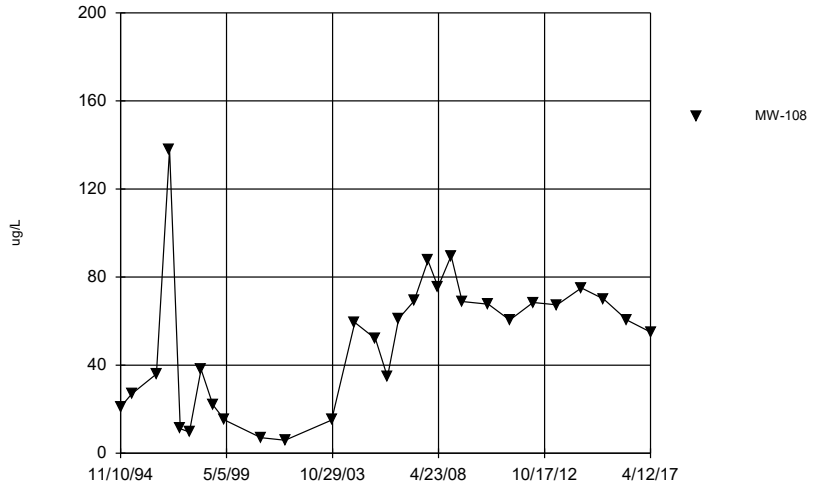

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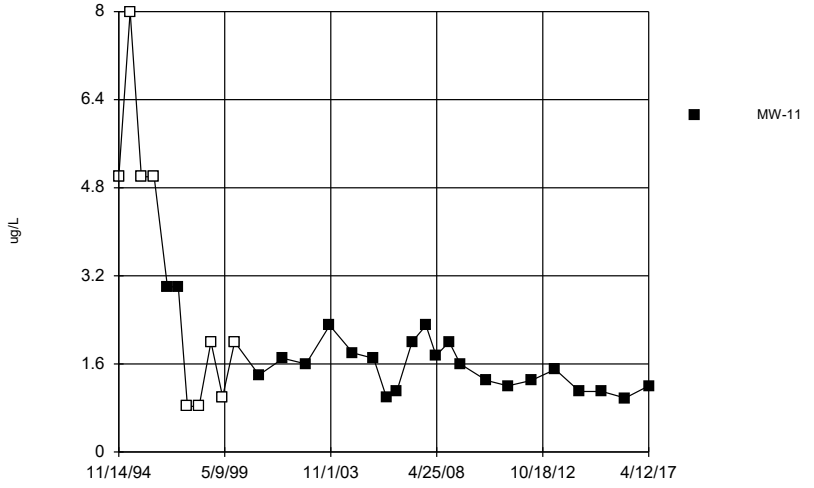

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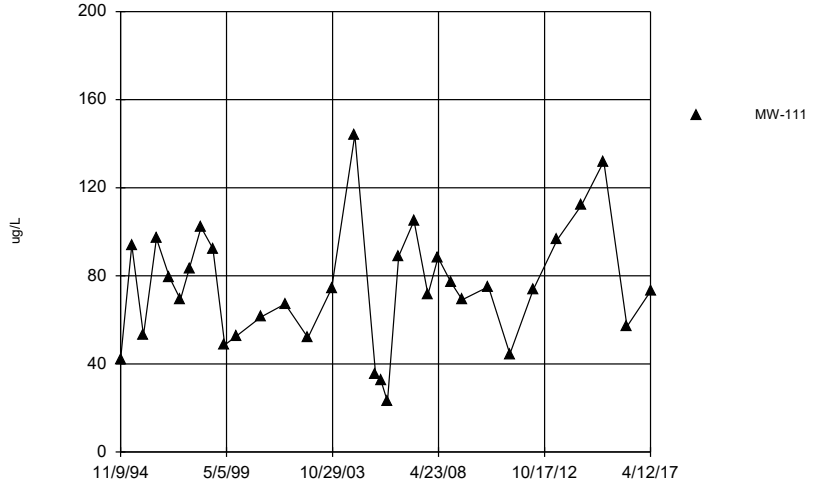

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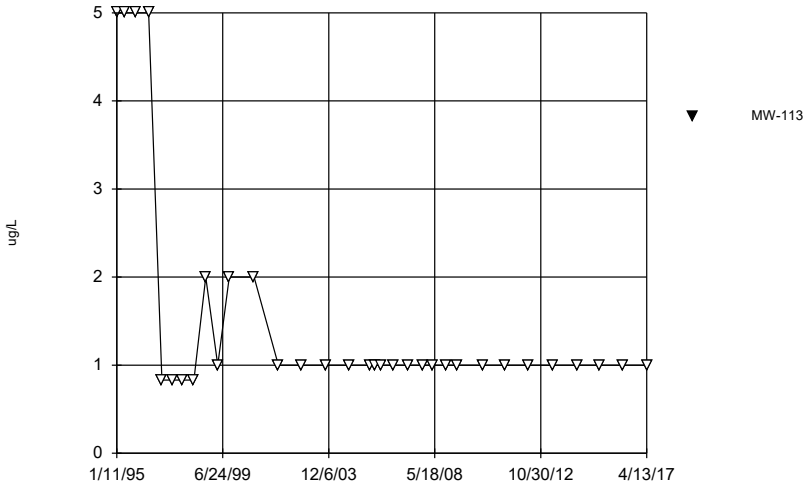

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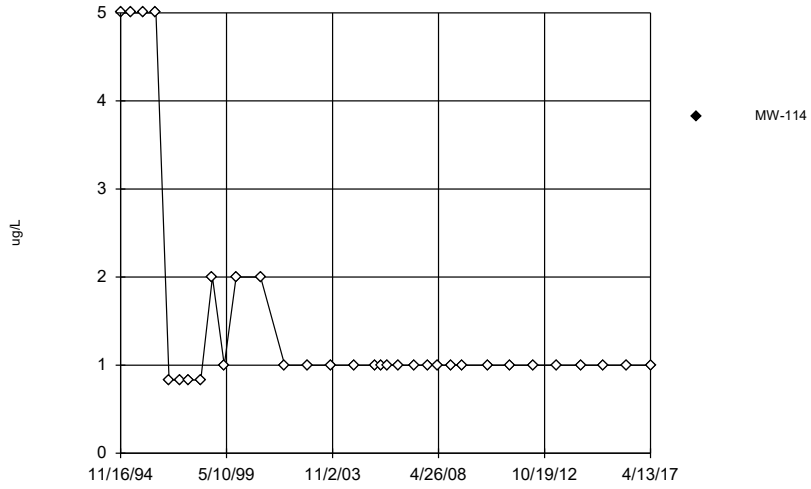
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/28/2017 1:24 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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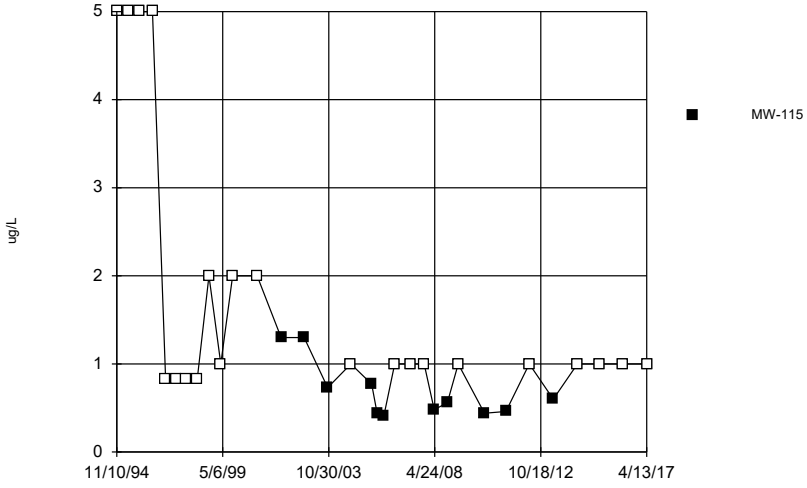
Time Series



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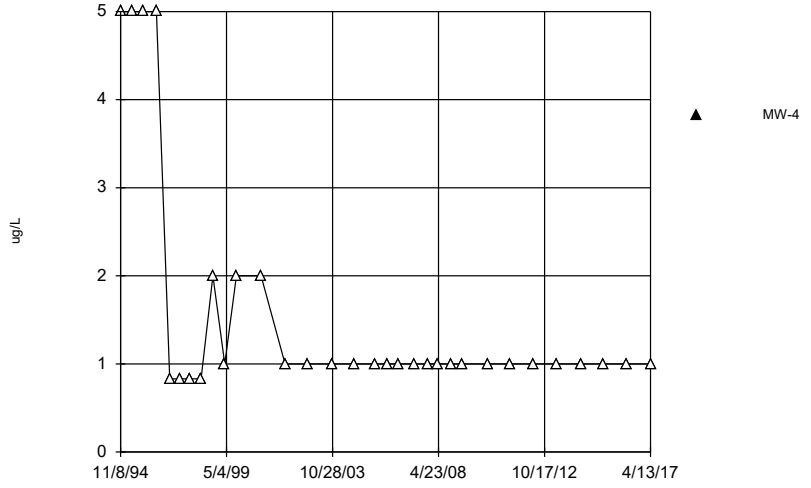
Time Series



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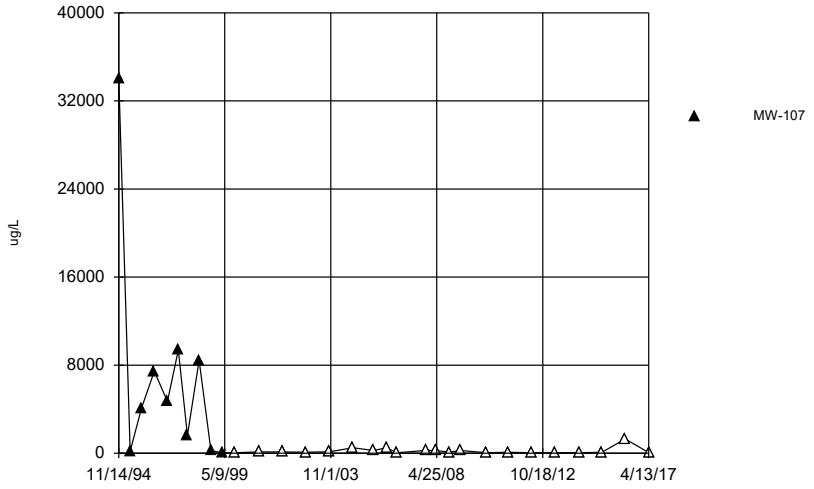

Constituent: Acetone Analysis Run 4/28/2017 1:24 PM View: WTU Time Series
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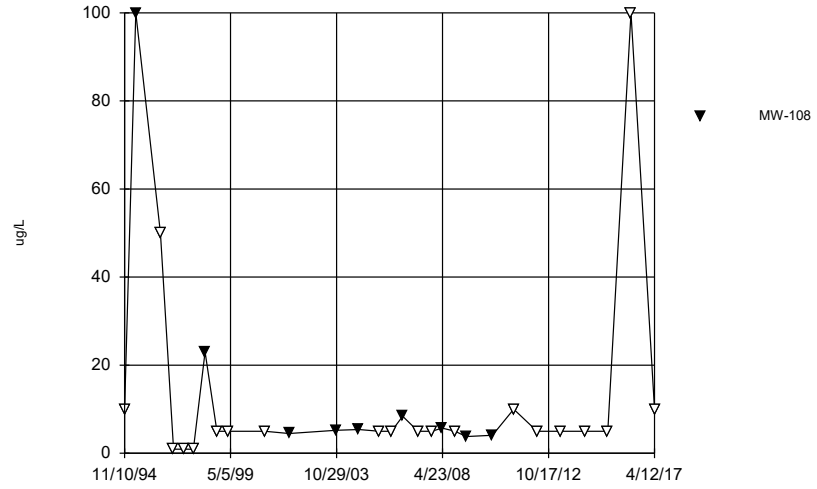

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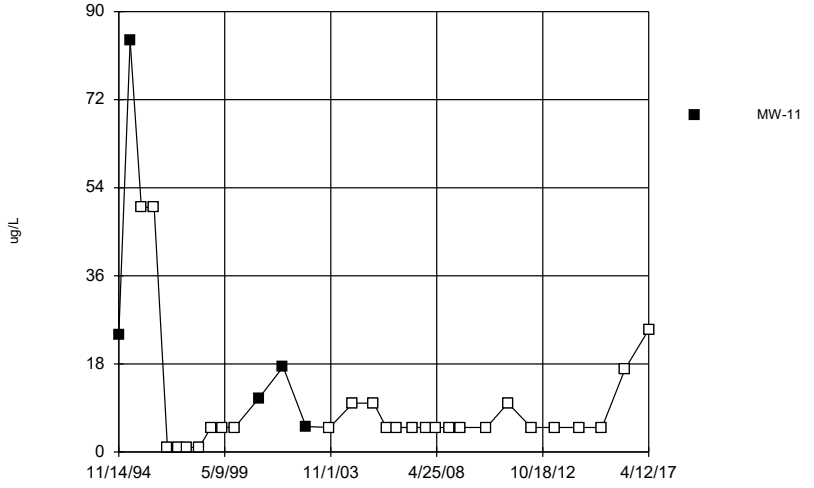

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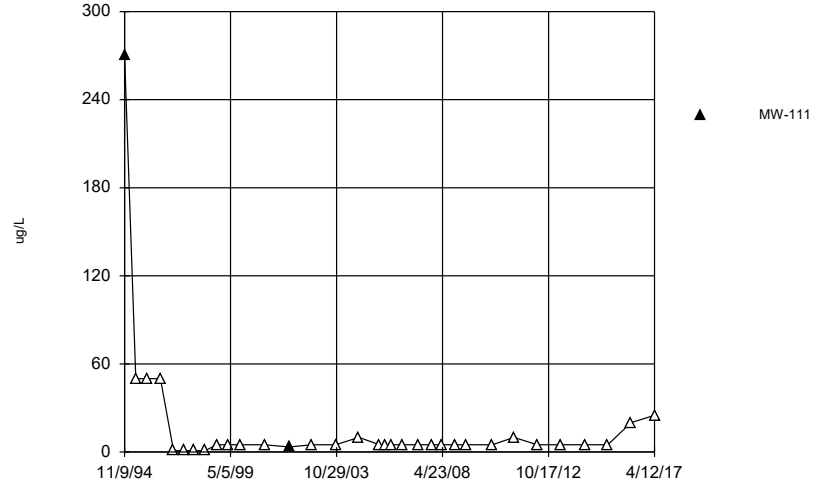

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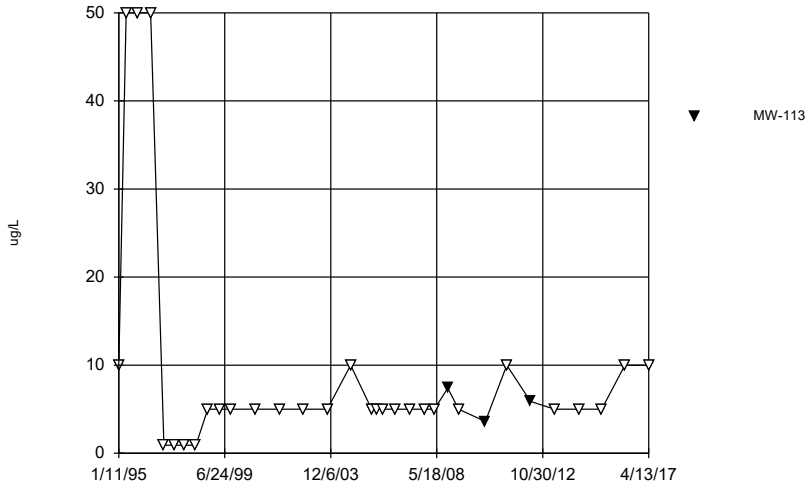

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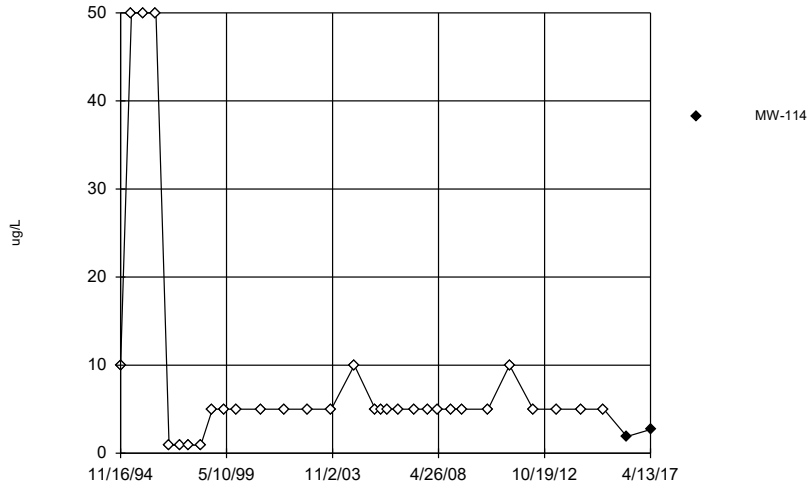

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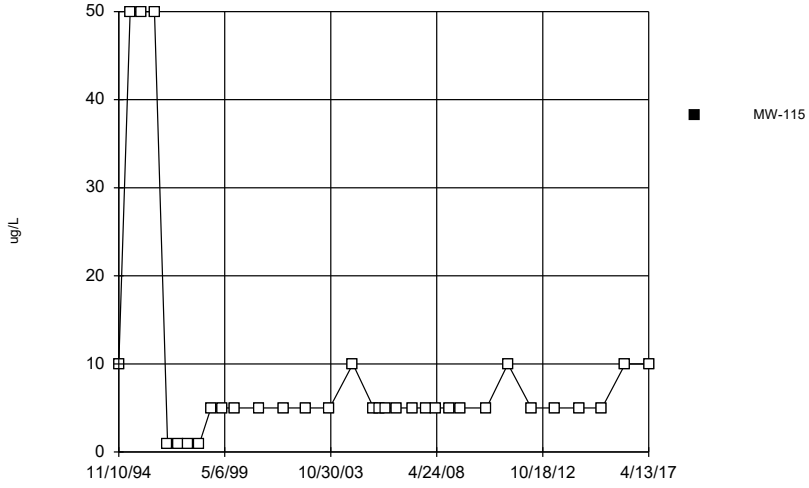

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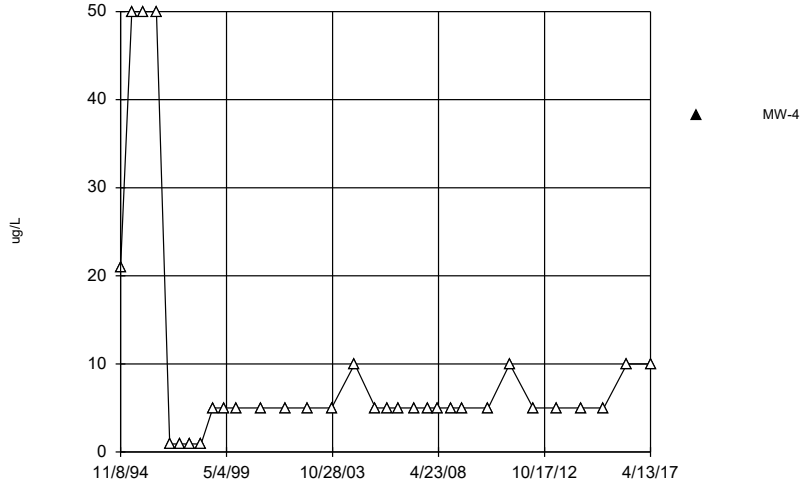

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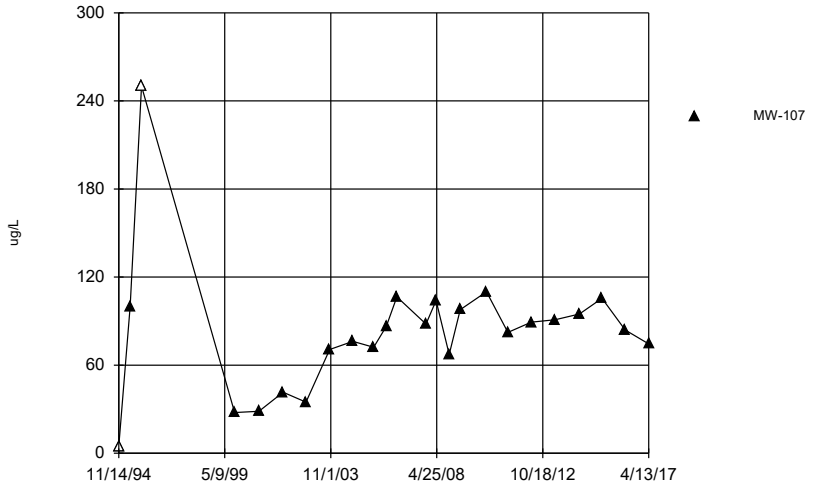

Constituent: Benzene Analysis Run 4/28/2017 1:24 PM View: WTU Time Series
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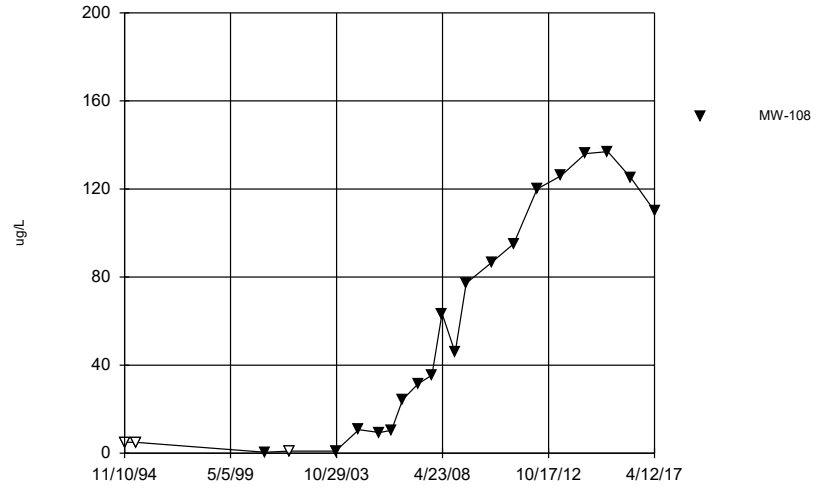

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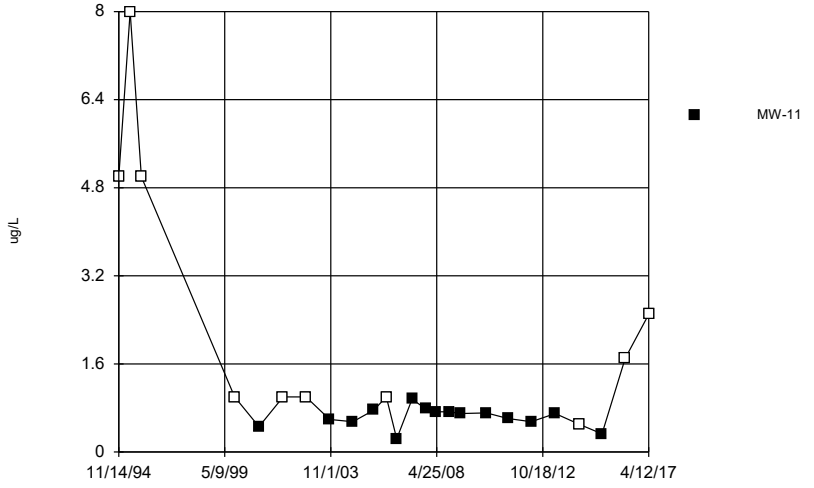

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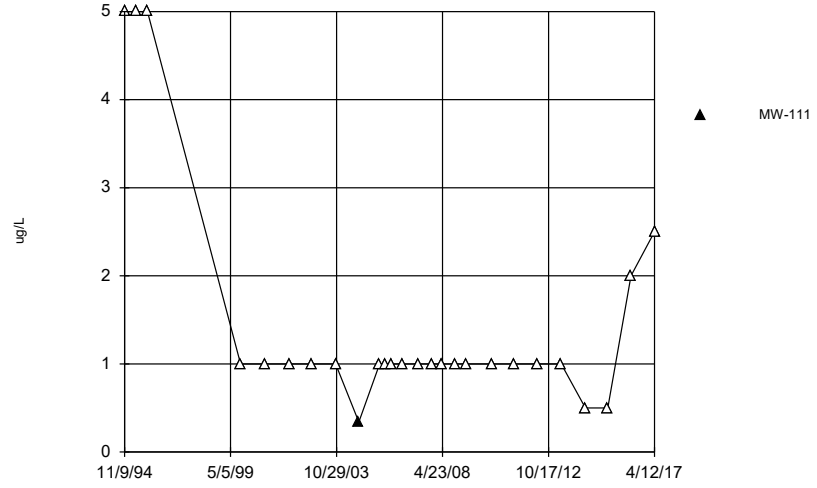

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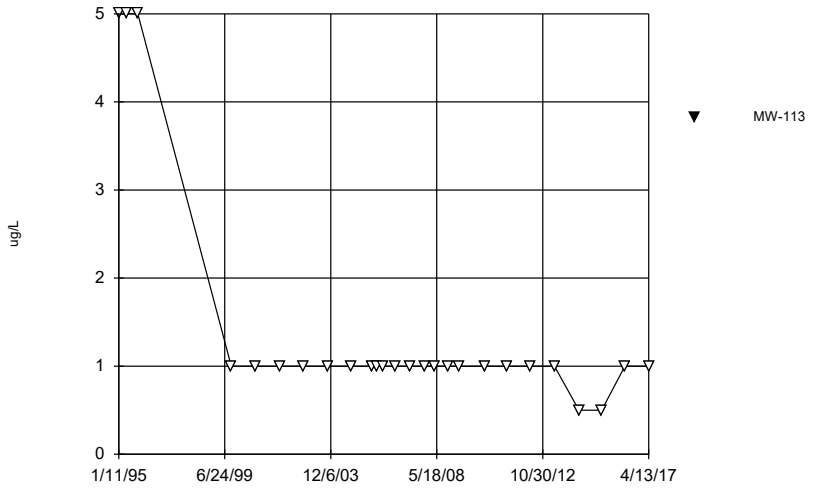

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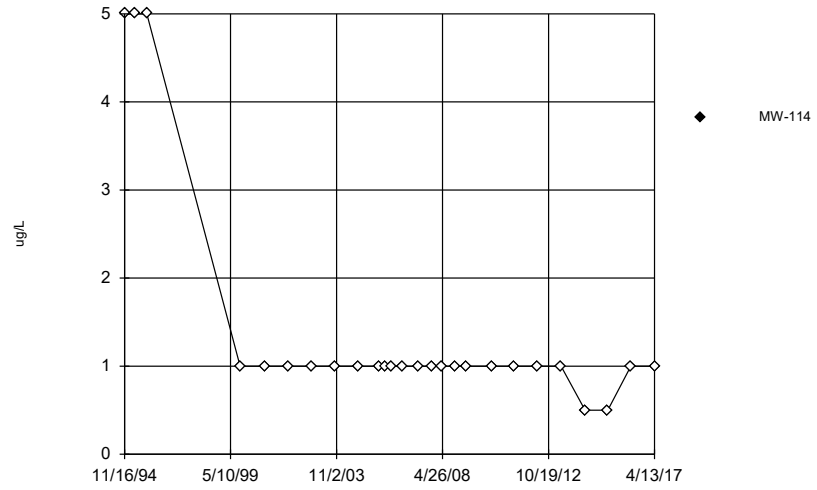

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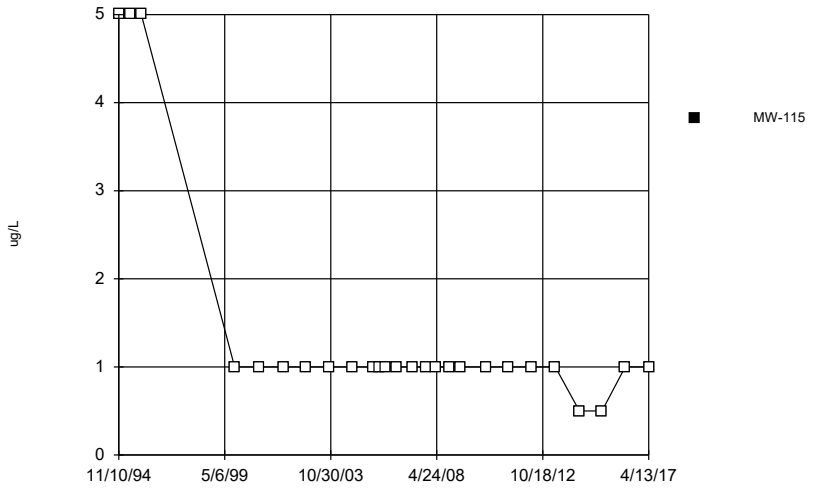

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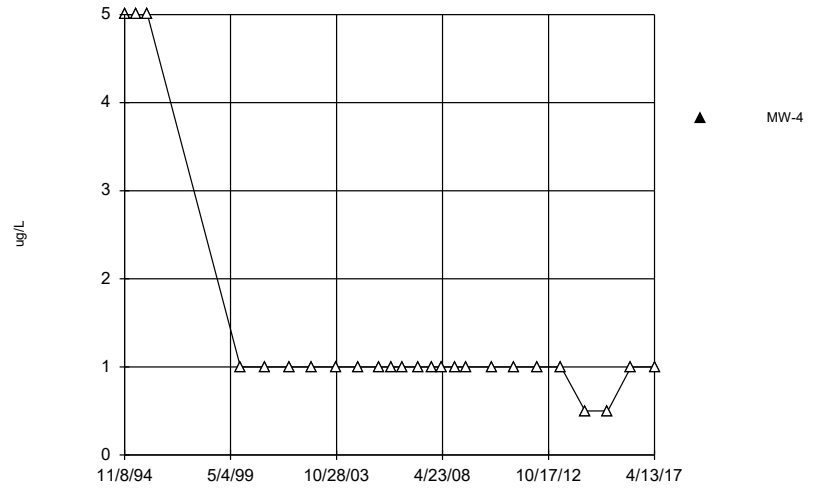

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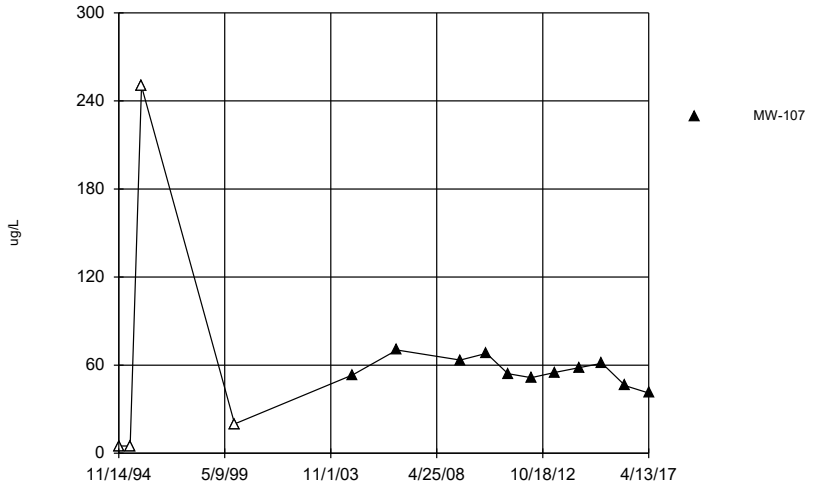

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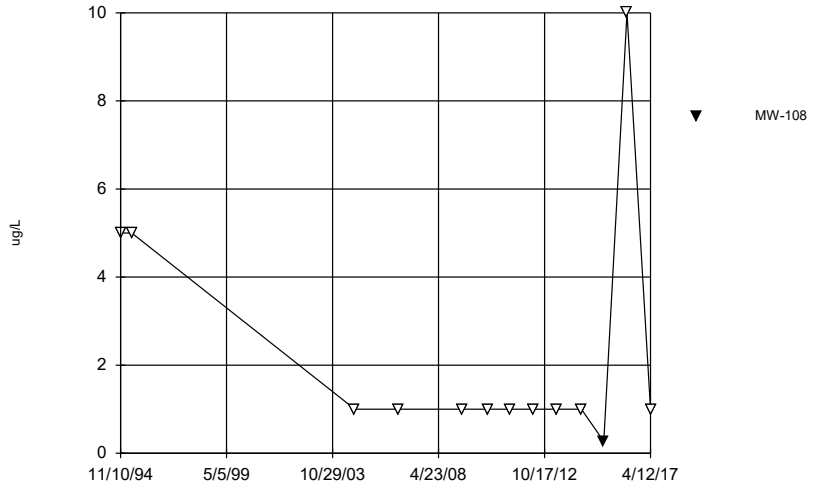

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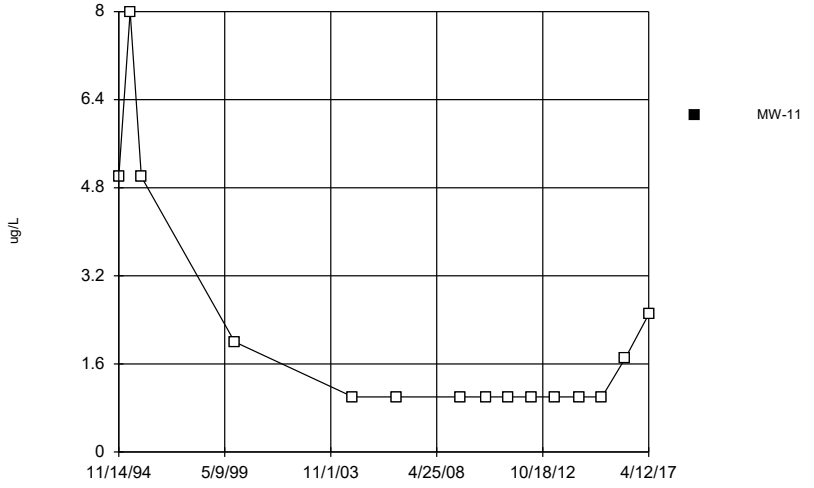

Constituent: Chlorobenzene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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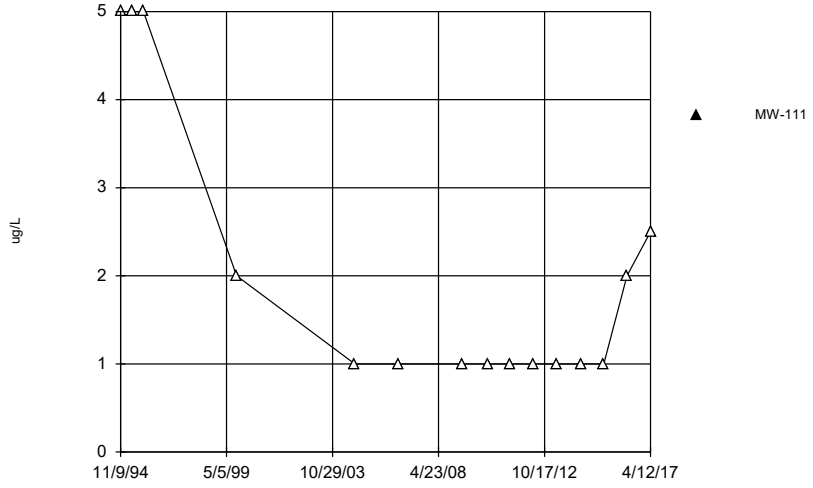

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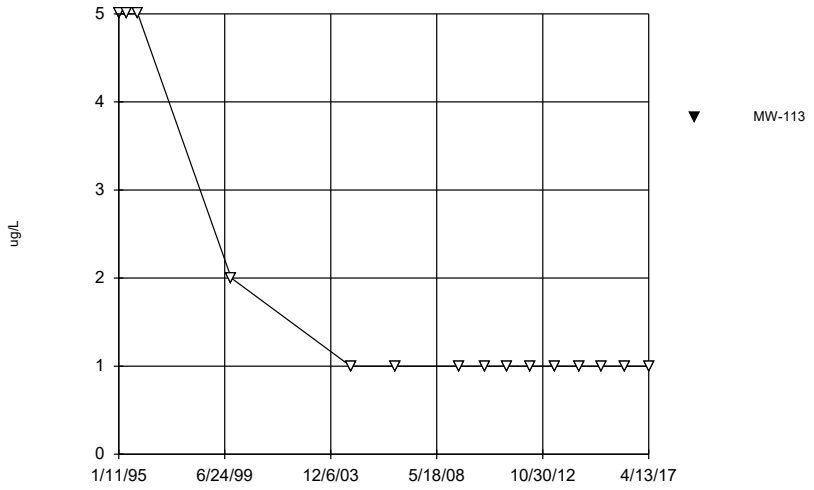

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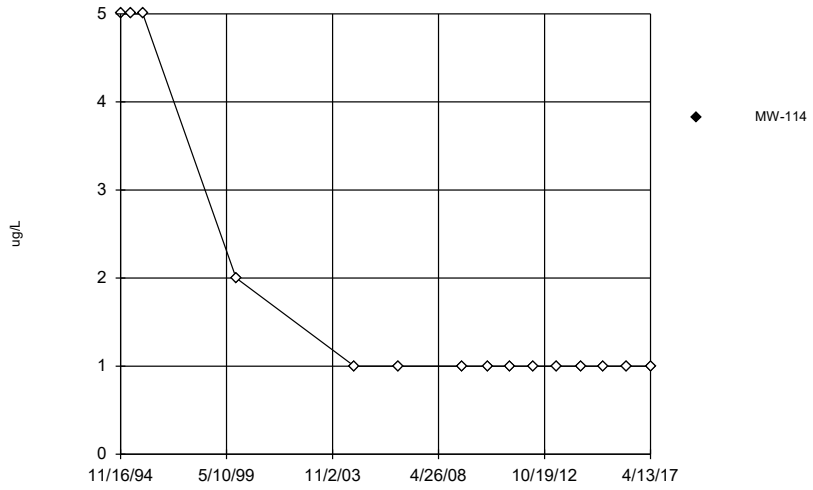

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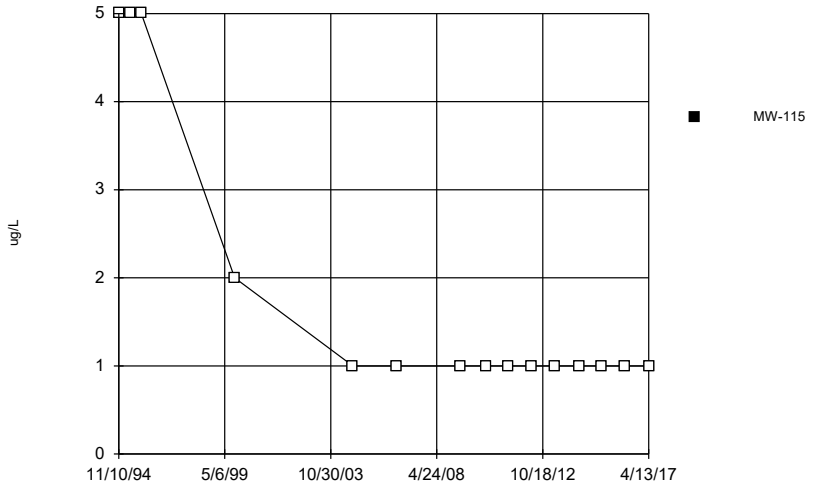

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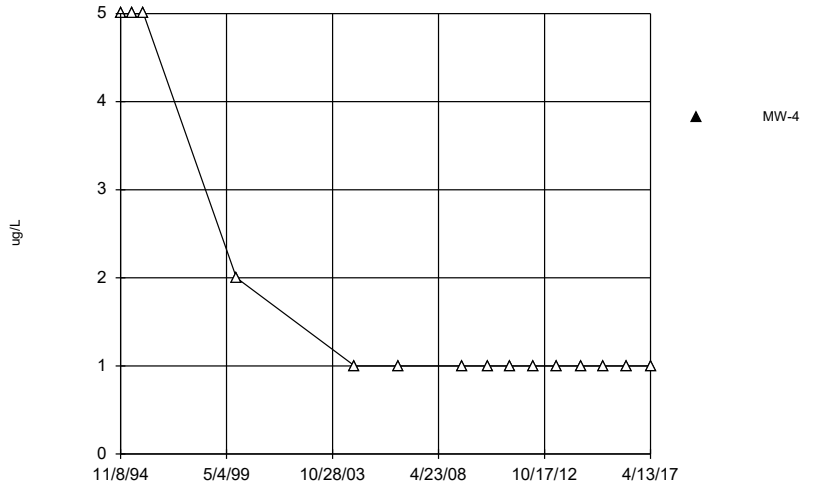

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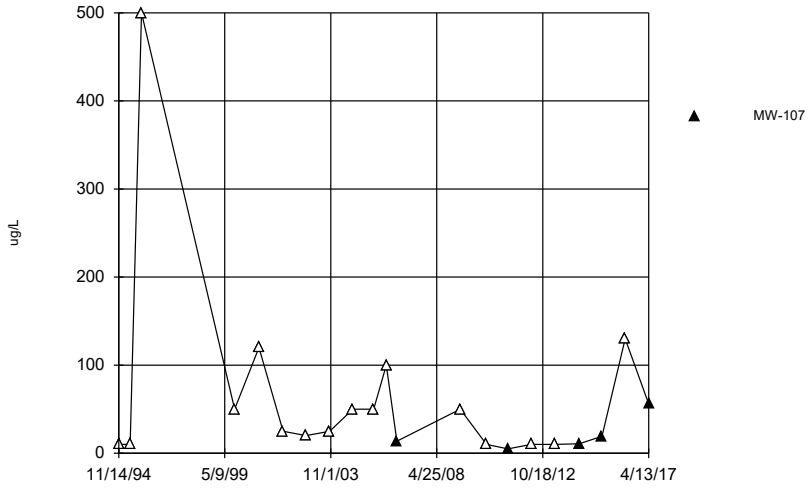

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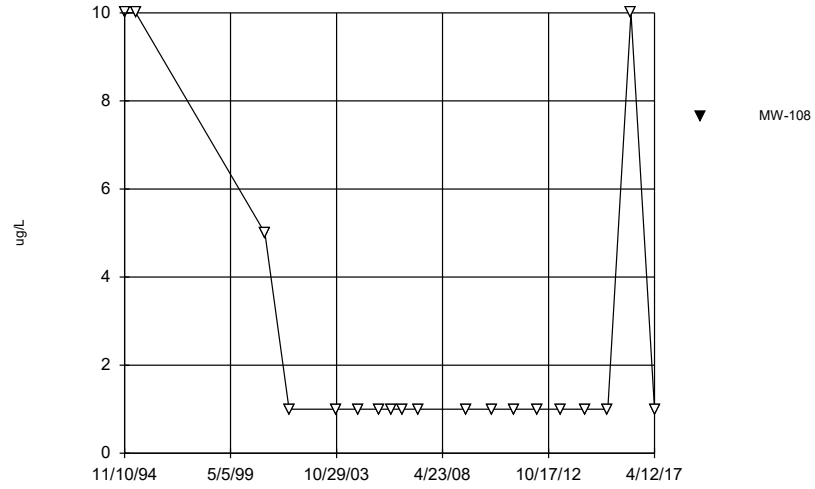

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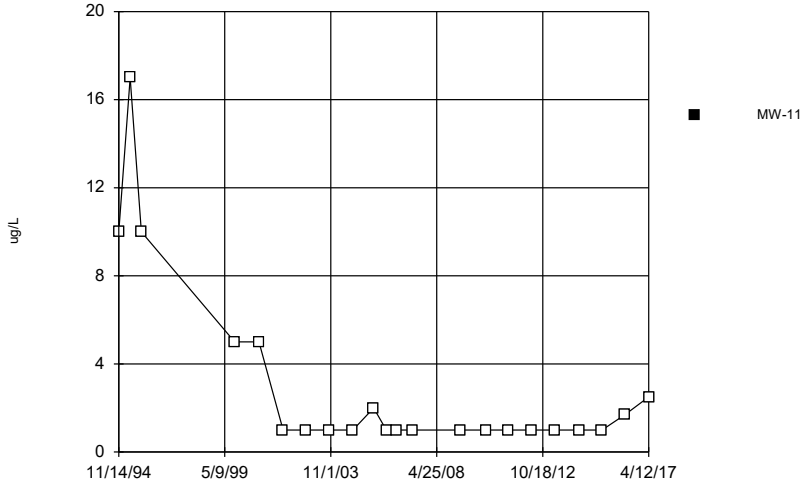

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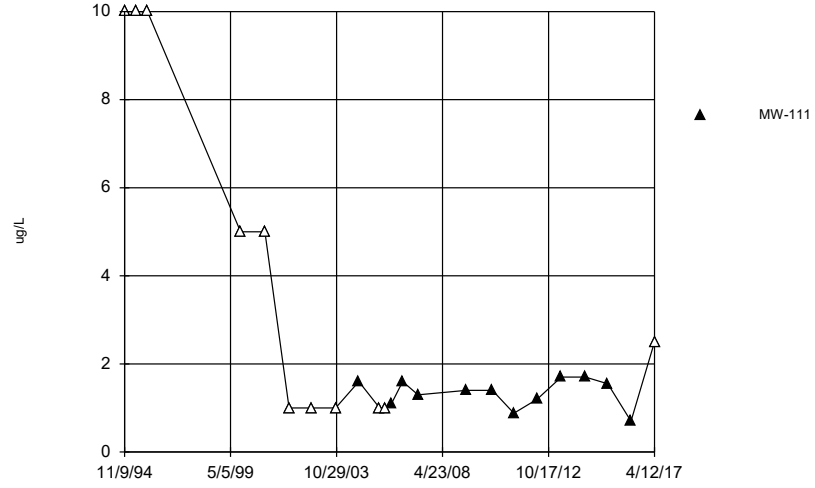

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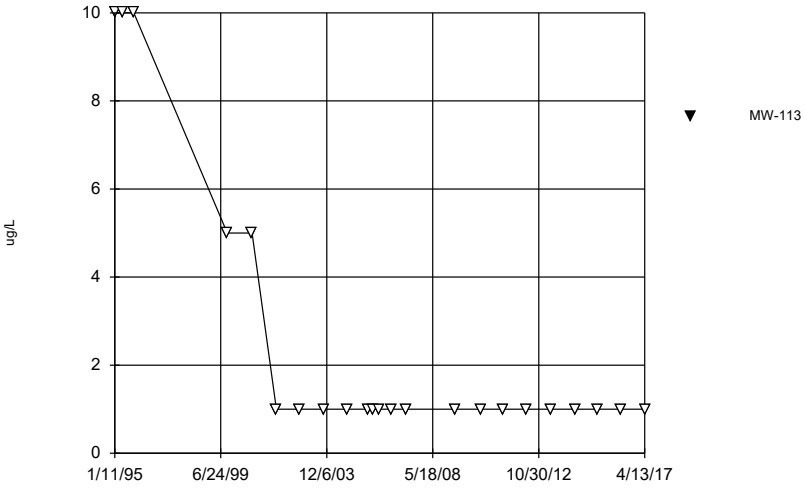

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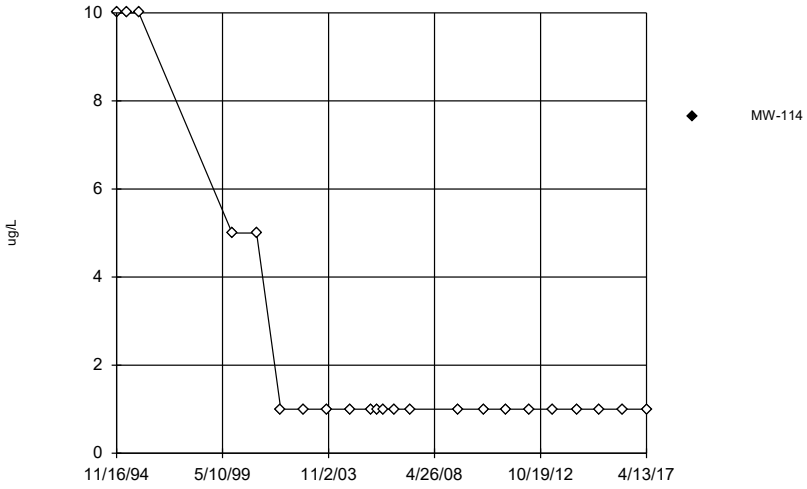

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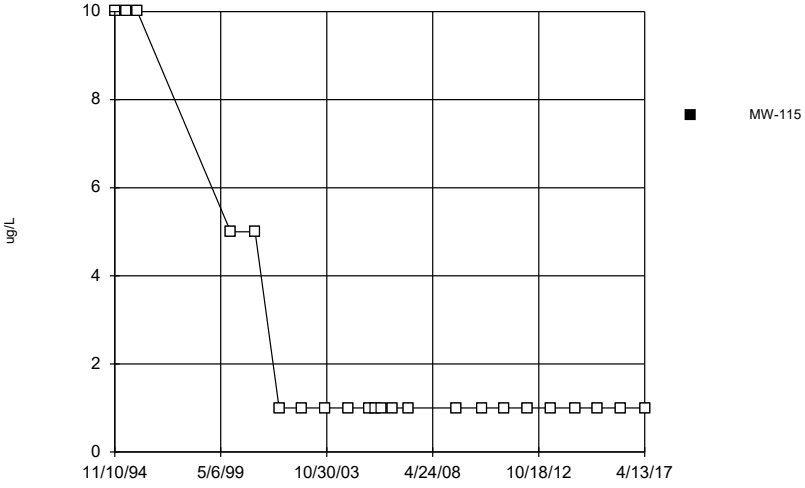

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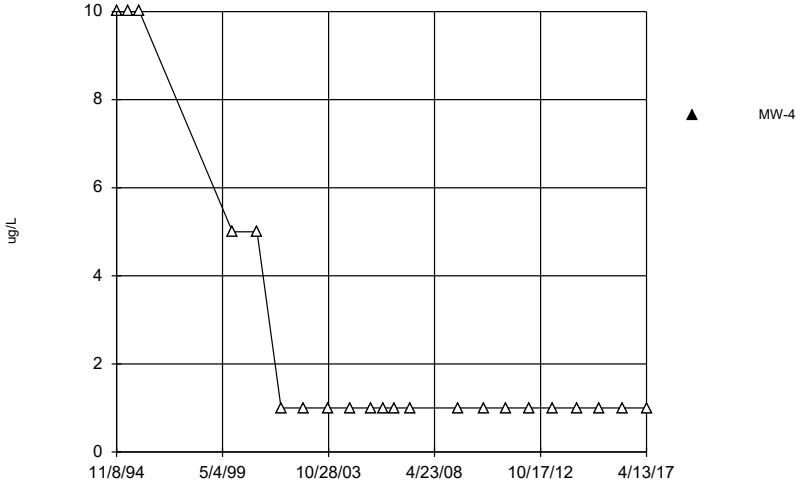

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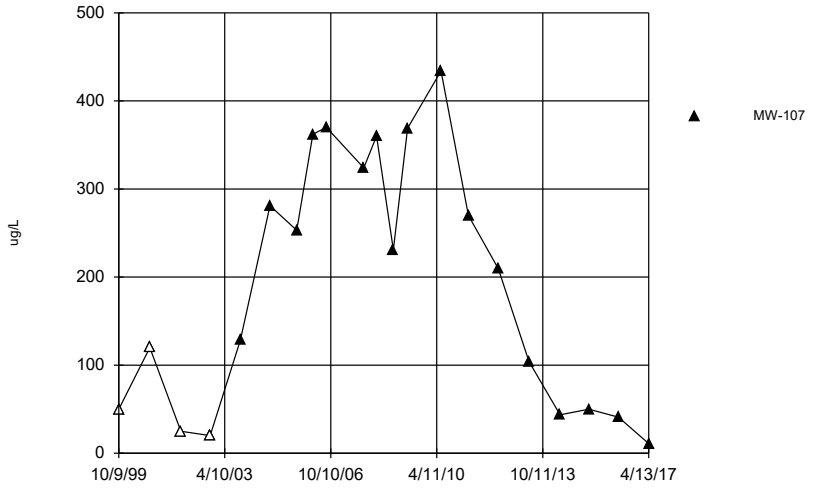

Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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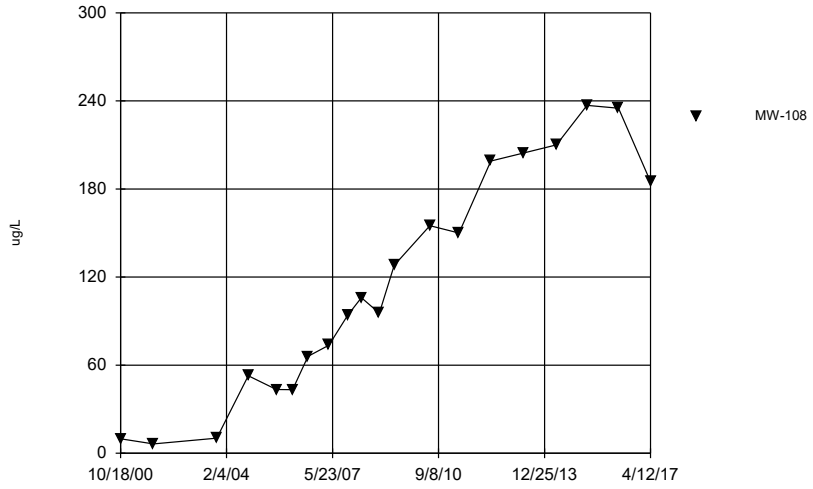

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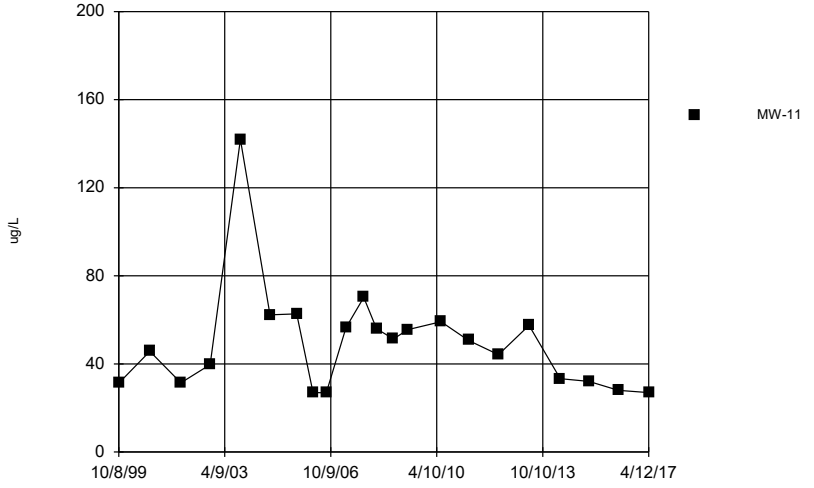

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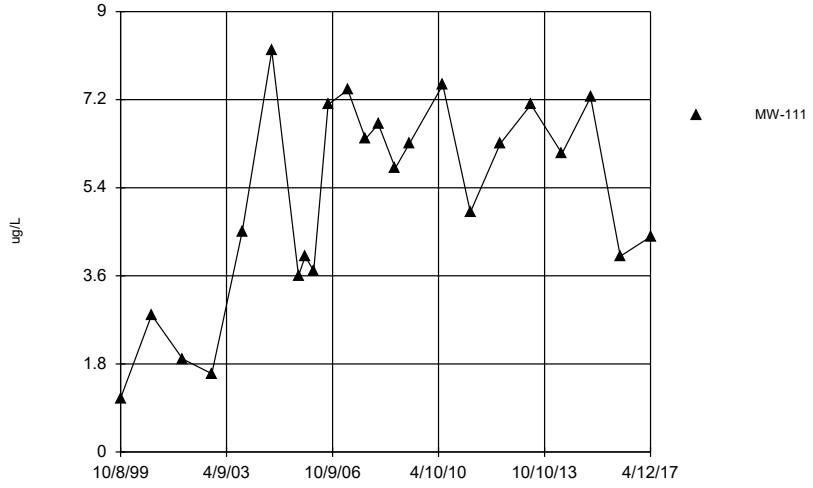
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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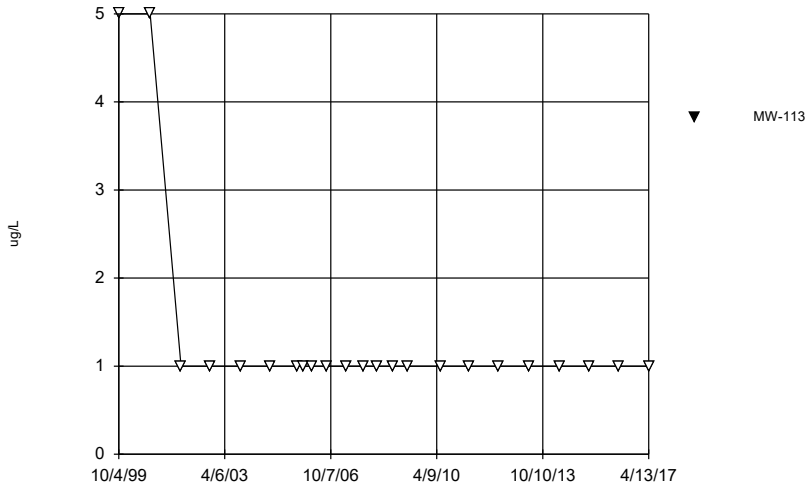
Hollow symbols indicate censored values.

Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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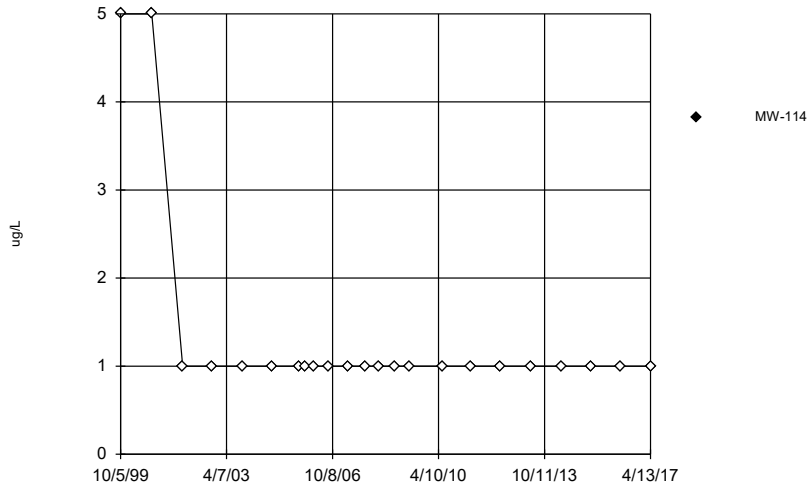
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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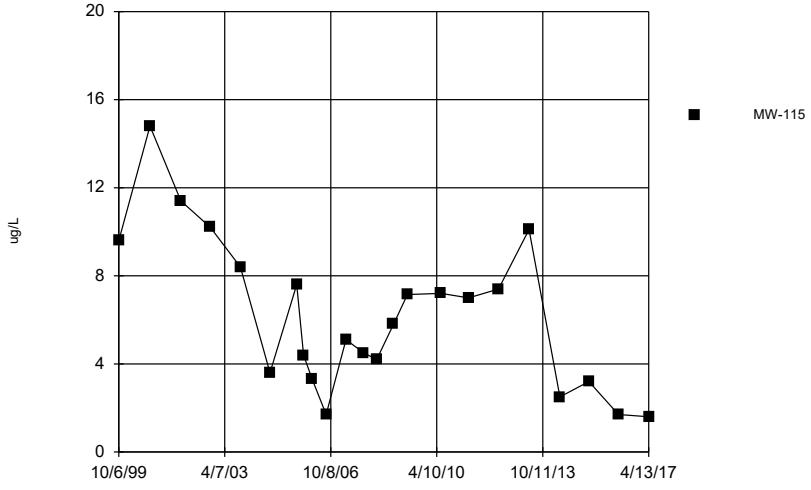
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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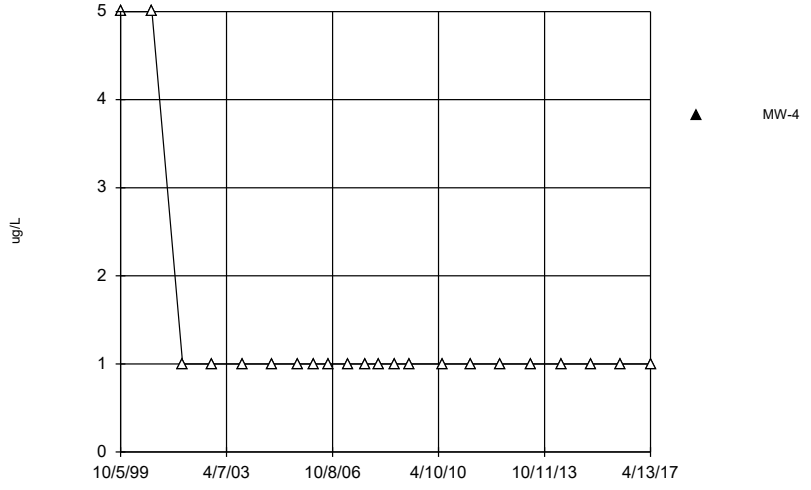
Time Series



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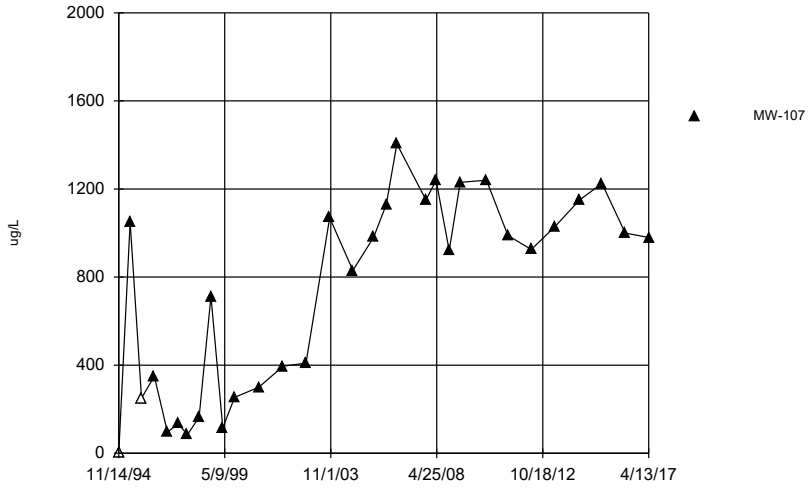
Time Series



Constituent: Ethylbenzene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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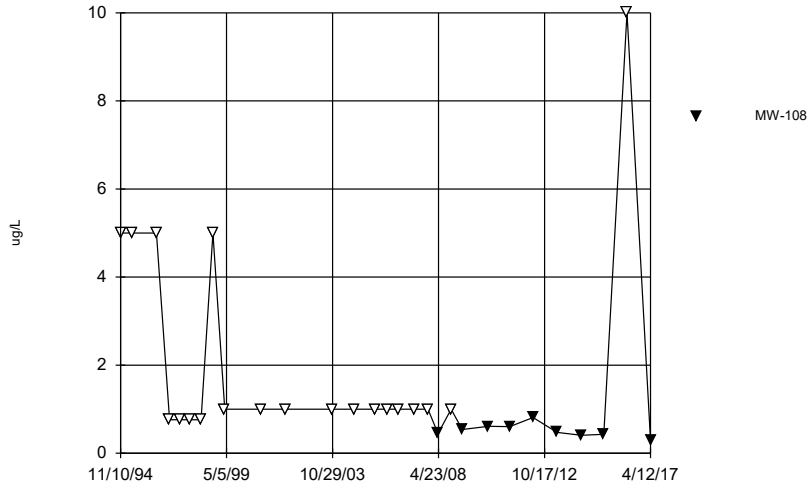

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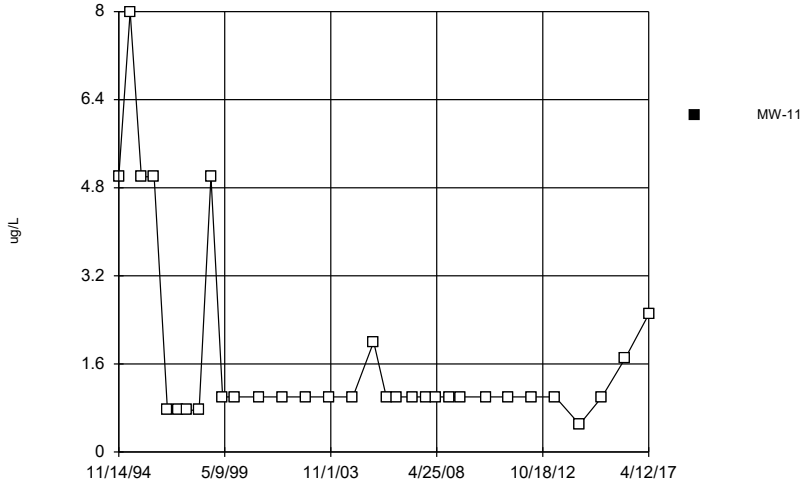
Time Series



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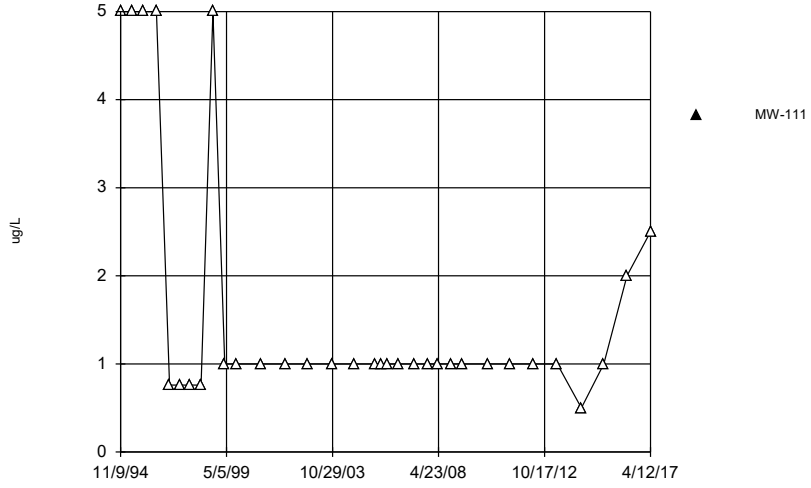

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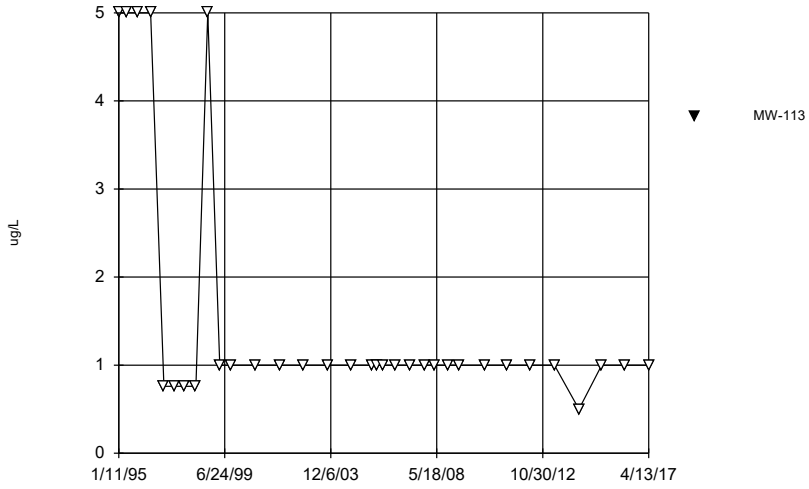

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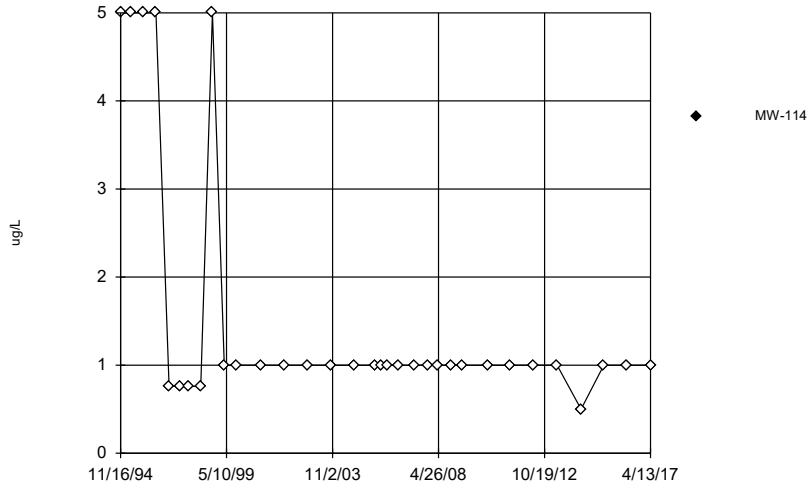

Constituent: Ethylbenzene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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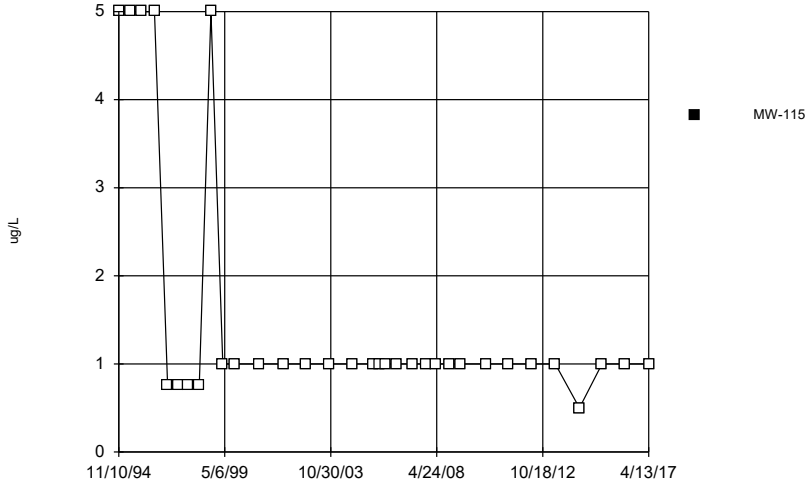

Constituent: Ethylbenzene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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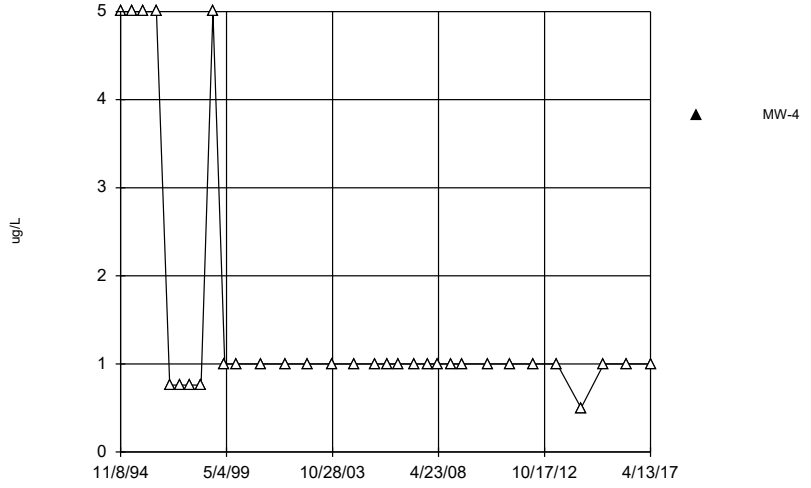

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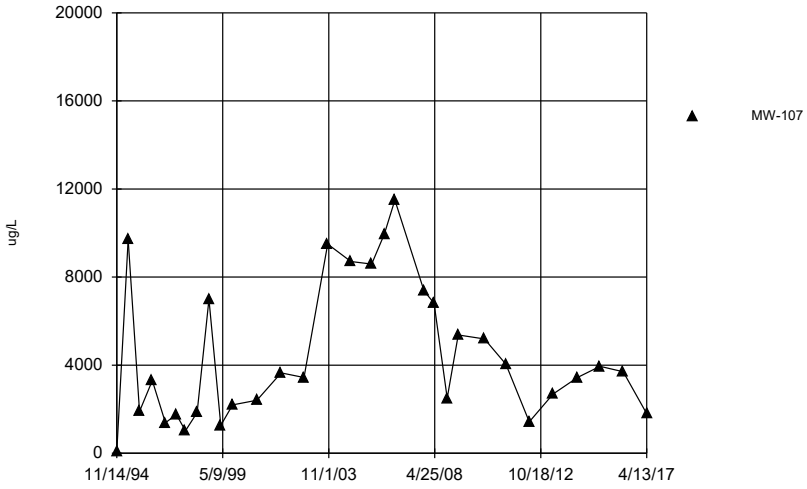
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG

Time Series



Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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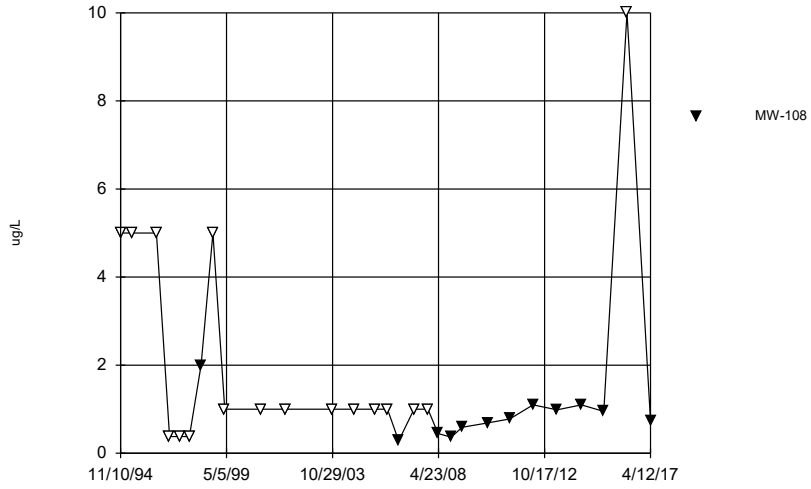
Time Series



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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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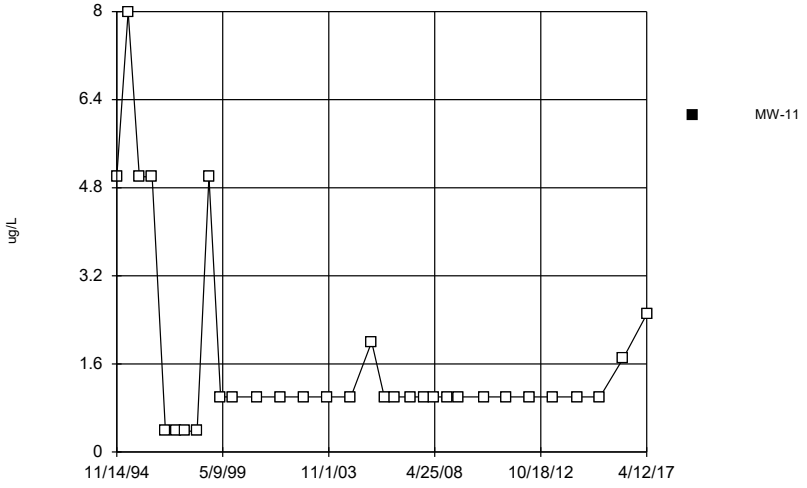

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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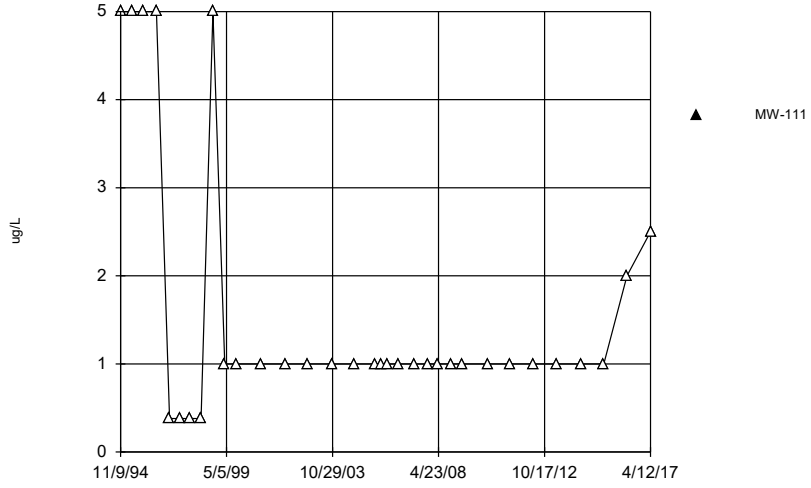

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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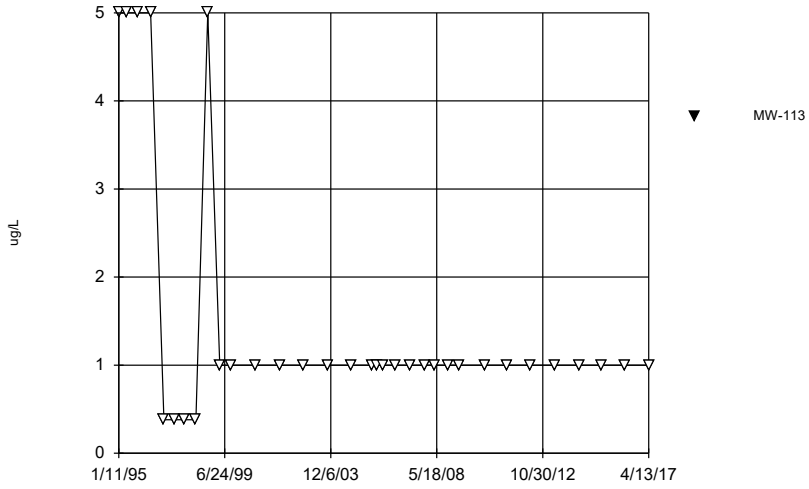

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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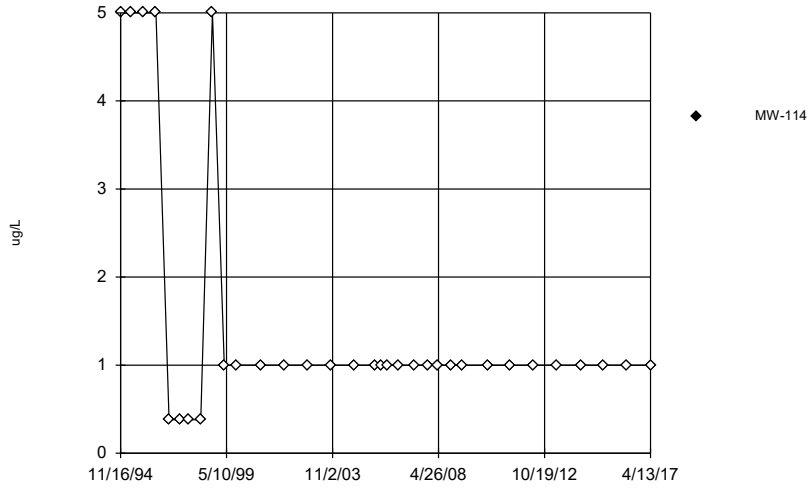

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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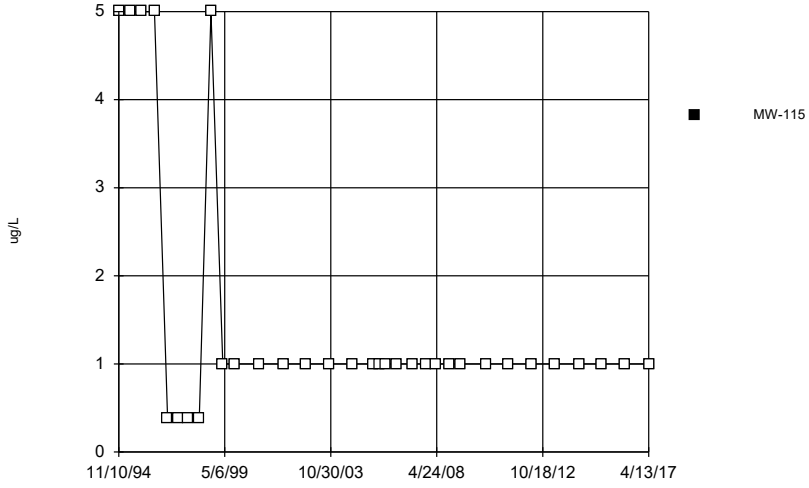

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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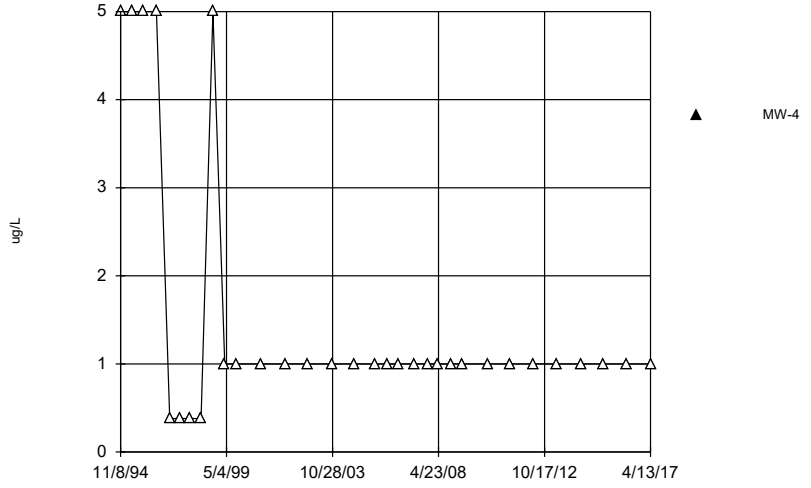

Constituent: Toluene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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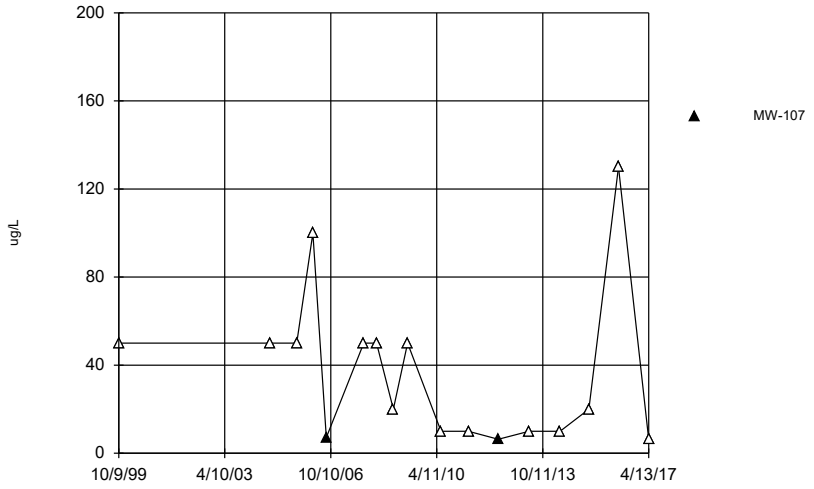

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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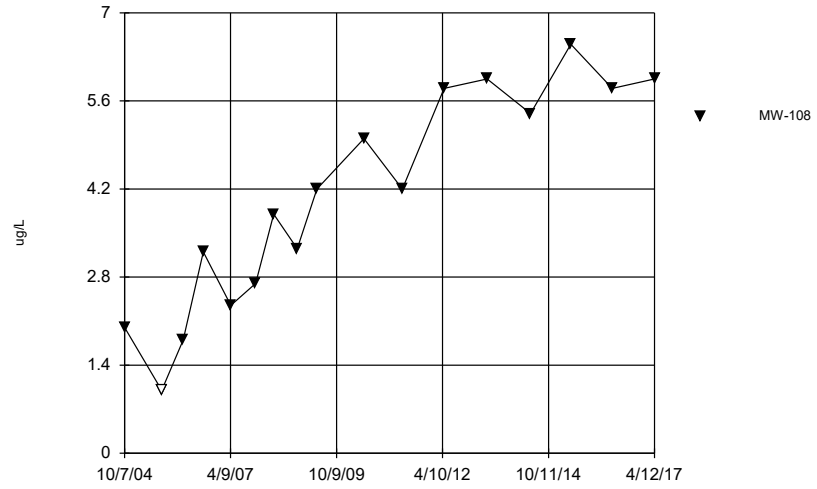

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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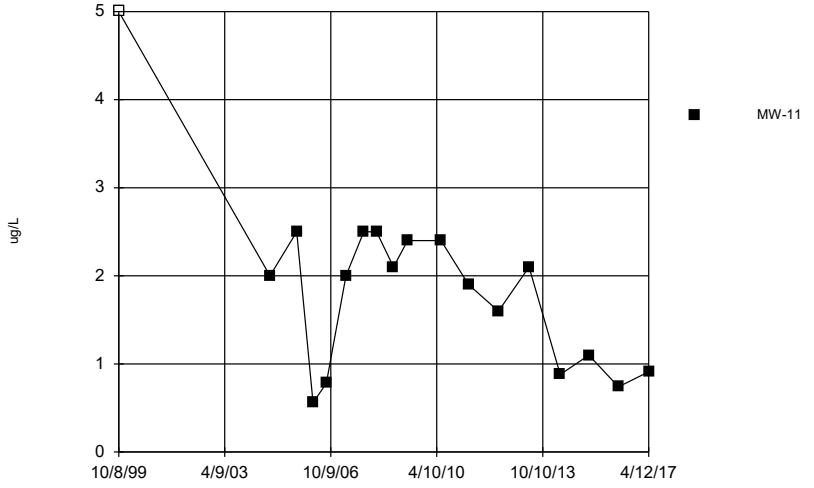

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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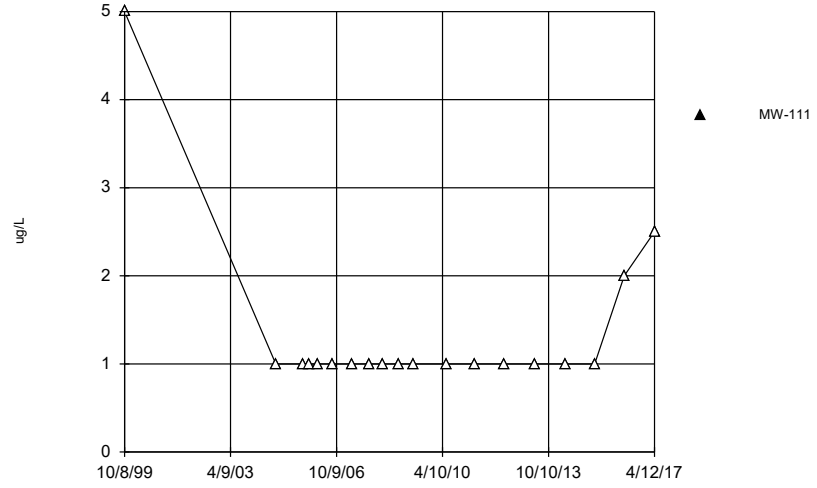

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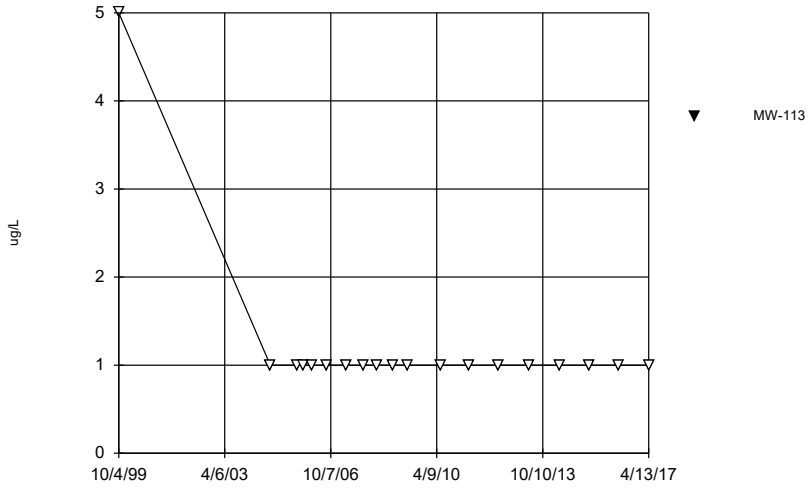

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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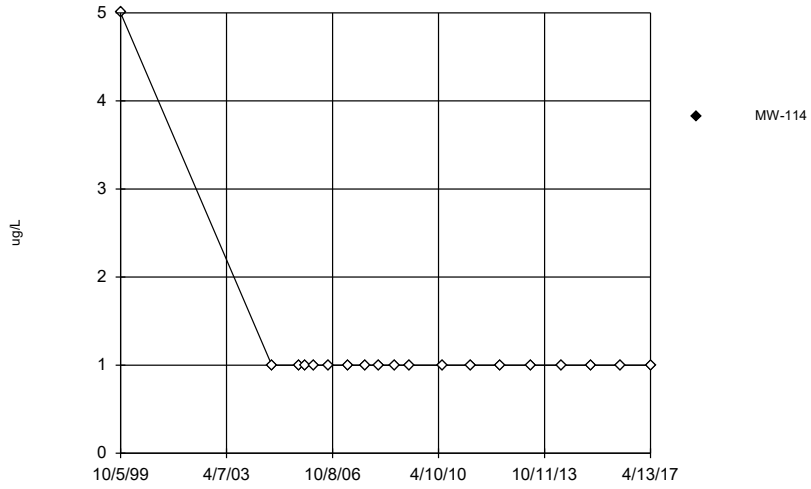

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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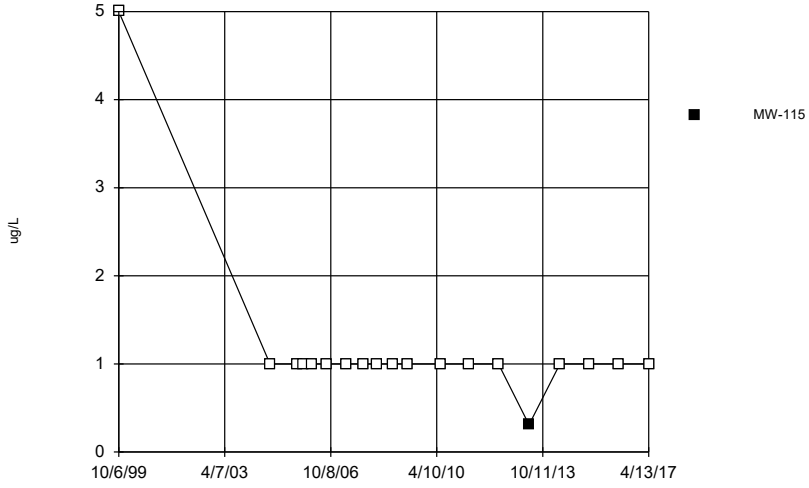

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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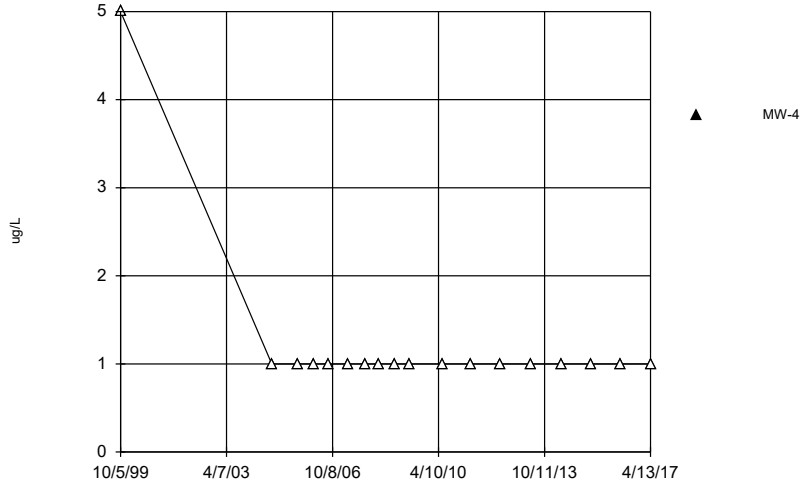

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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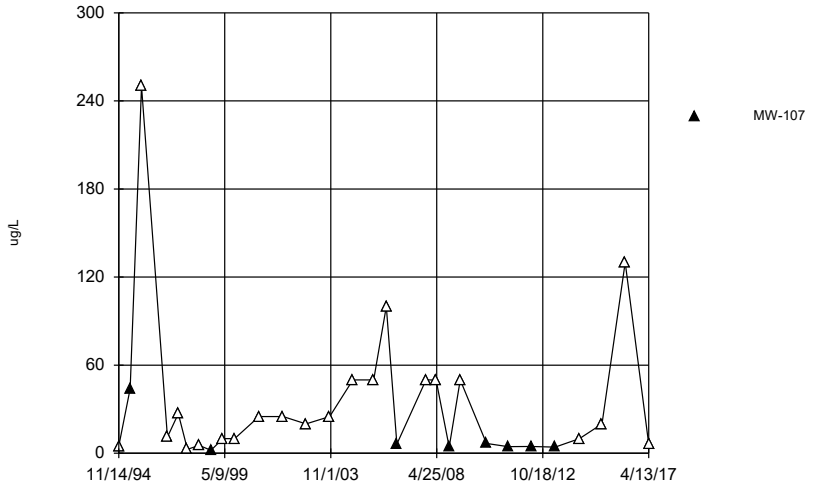
Time Series



Constituent: Trichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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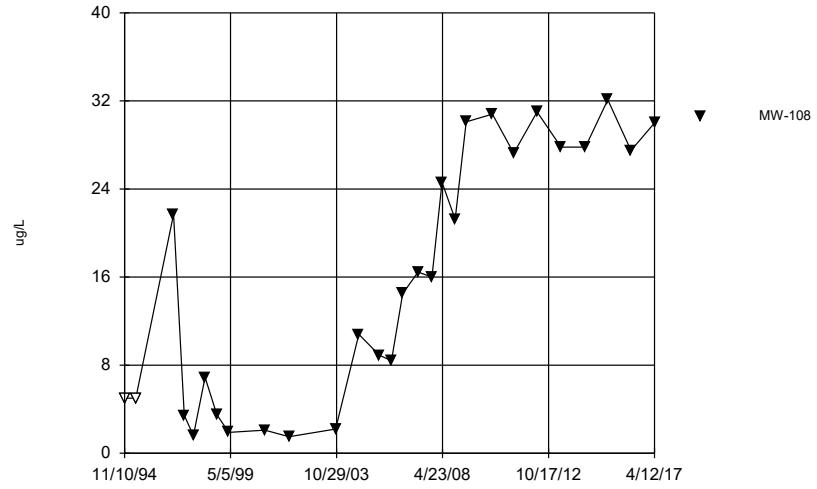

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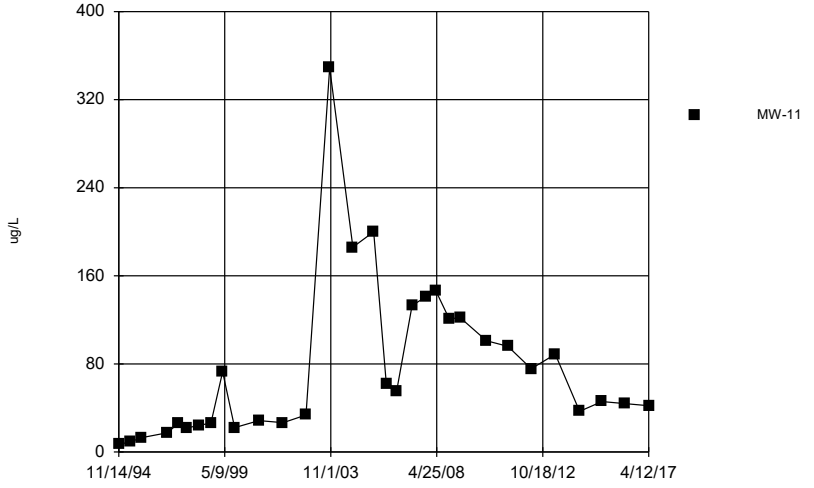

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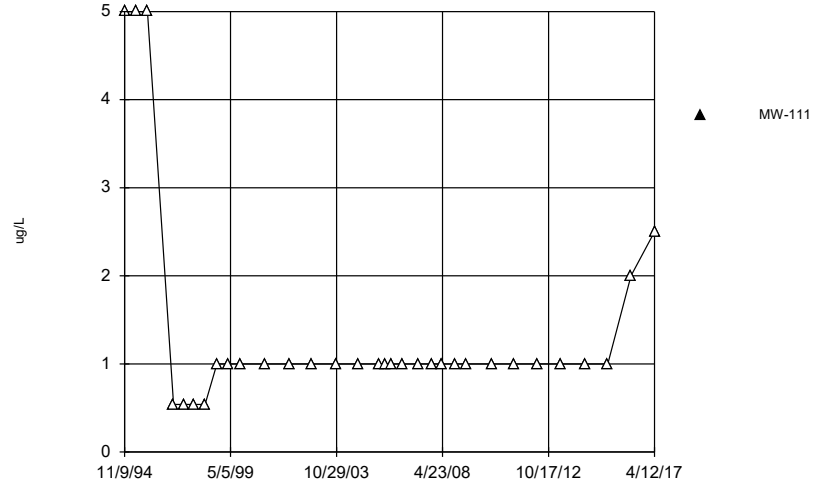

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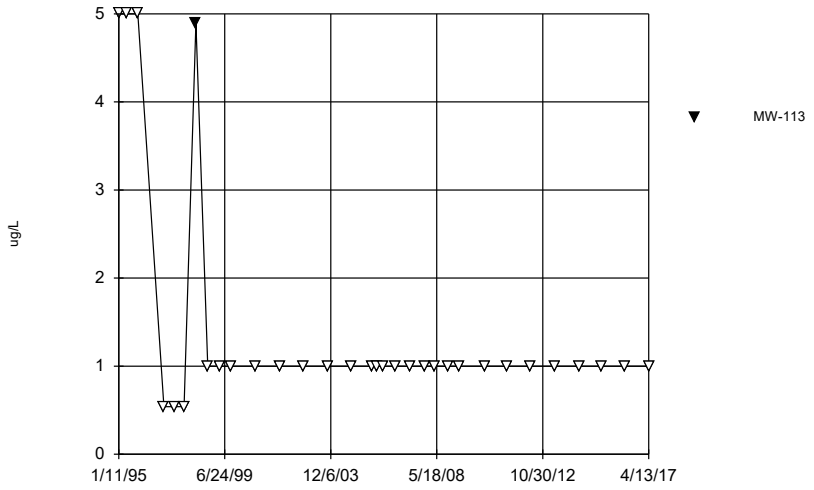

Constituent: Trichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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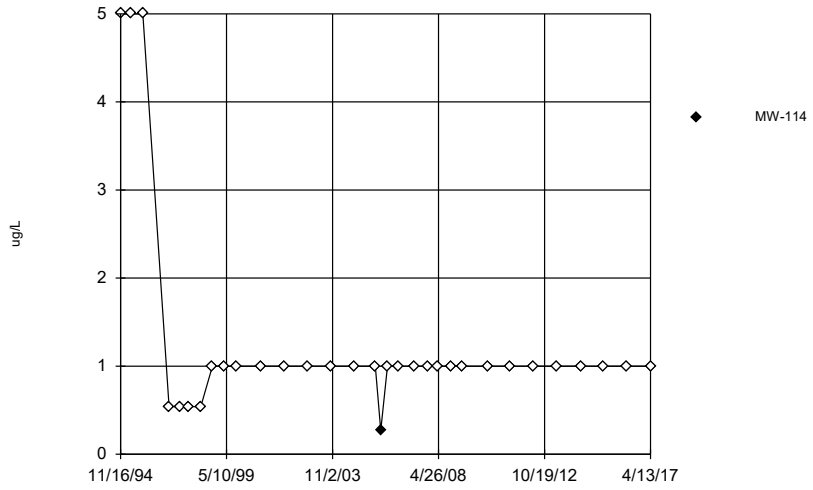
Time Series



Constituent: Trichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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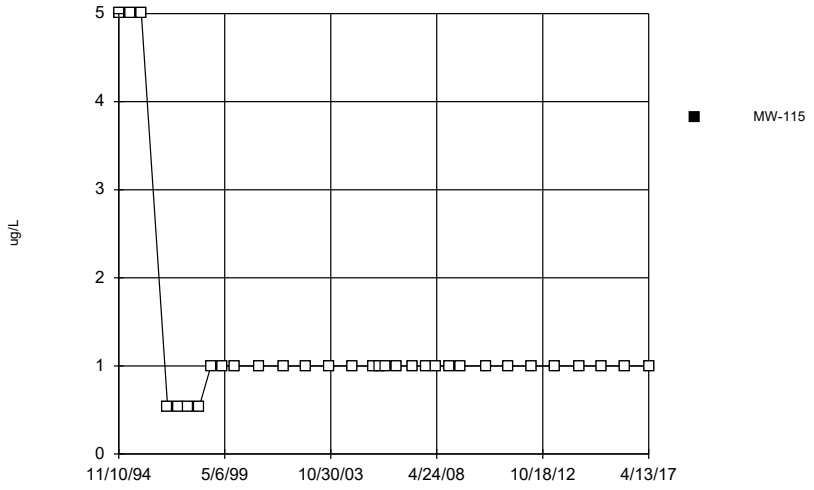

Constituent: Trichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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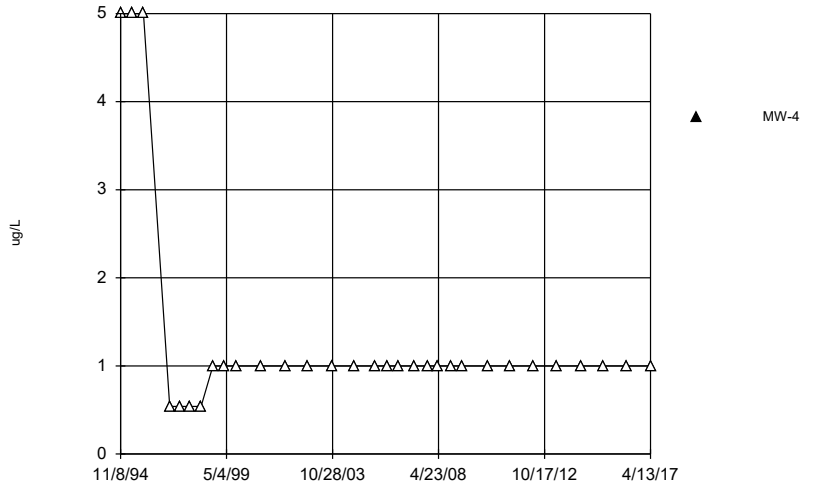
Time Series



Constituent: Trichloroethene Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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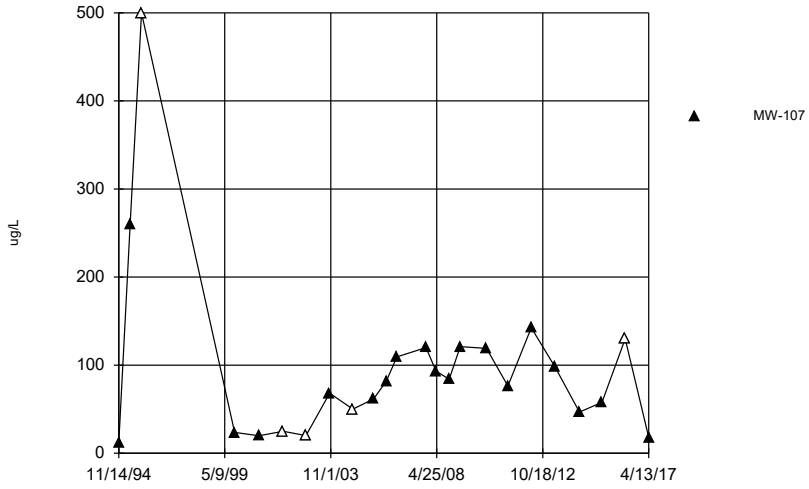
Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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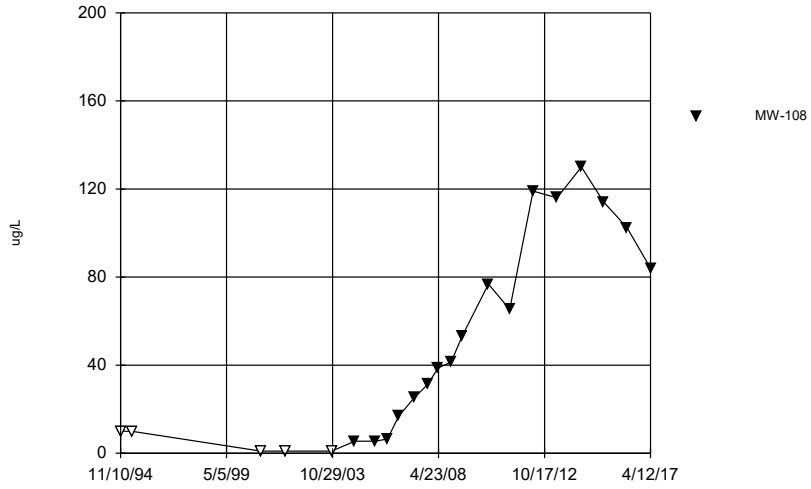
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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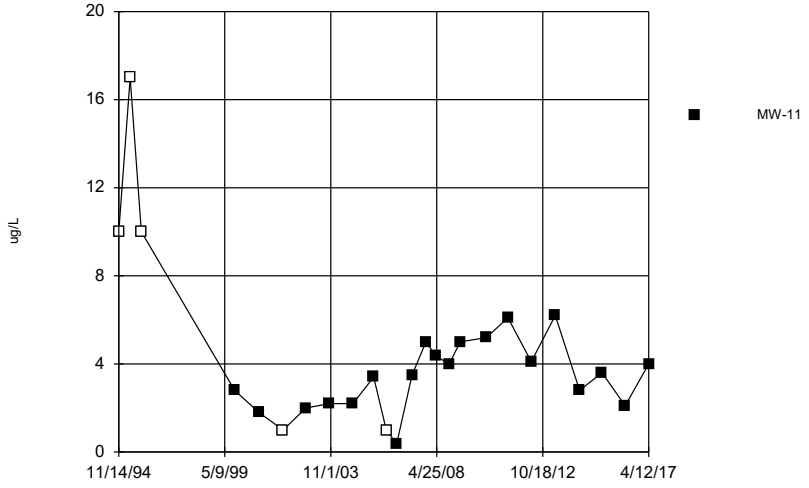
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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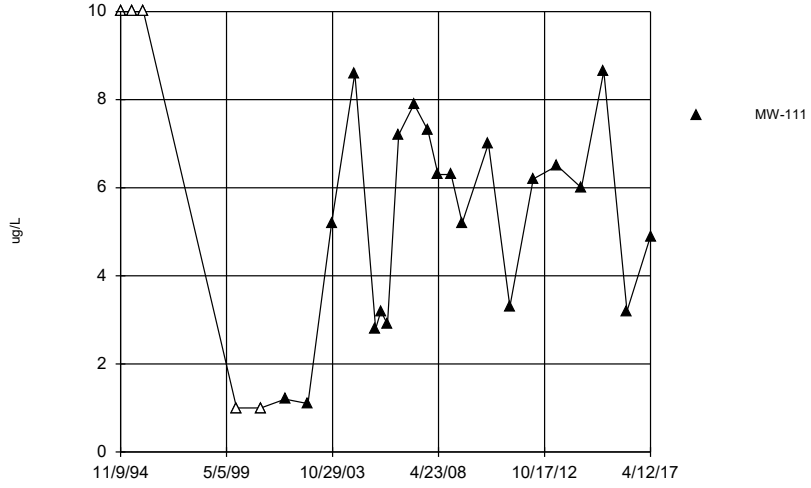
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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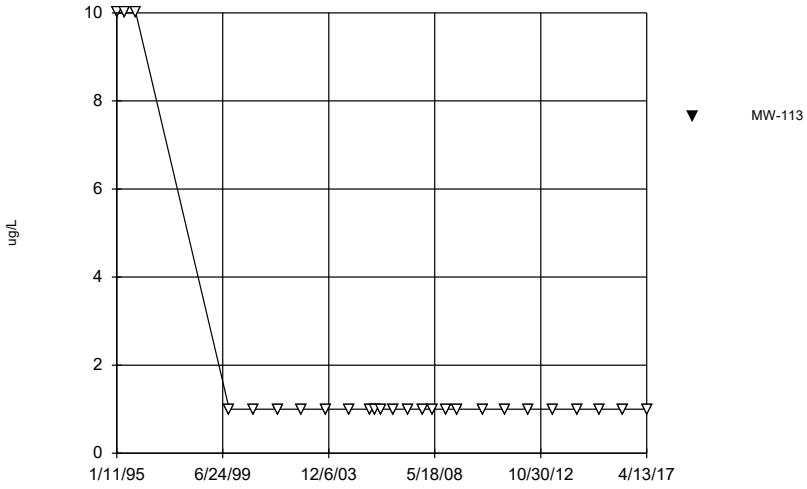
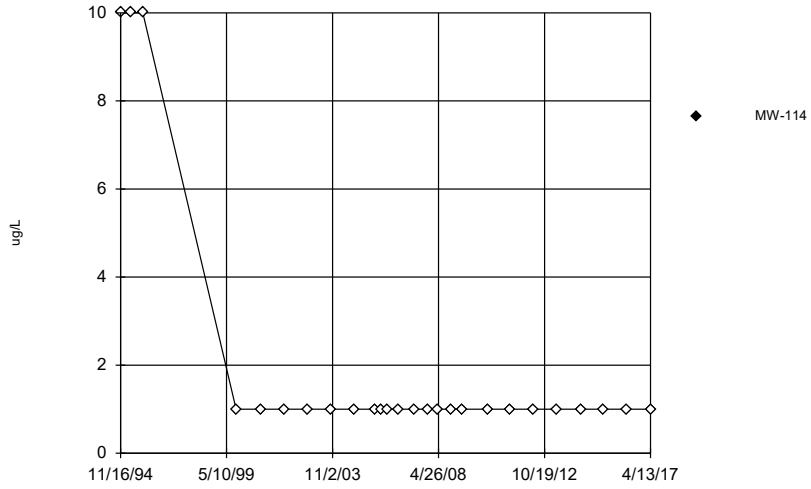
Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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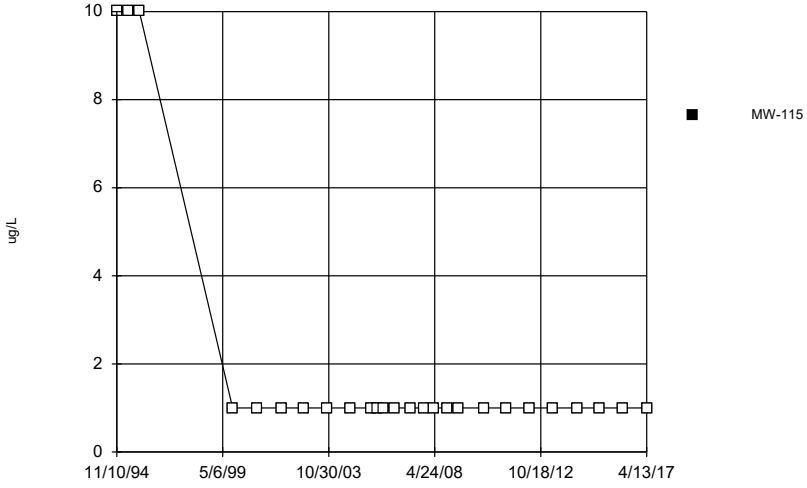
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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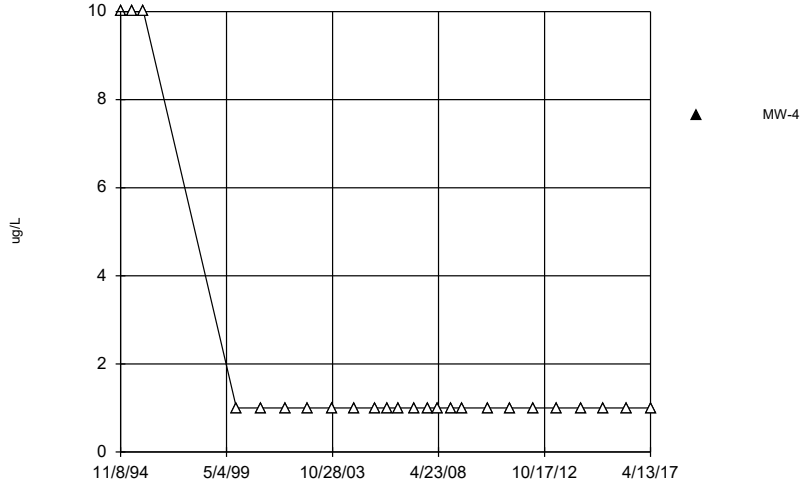
Hollow symbols indicate censored values.

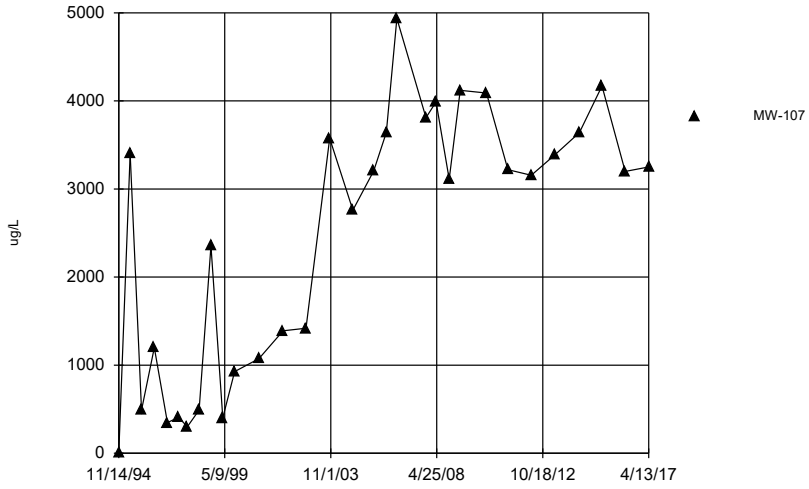
Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG

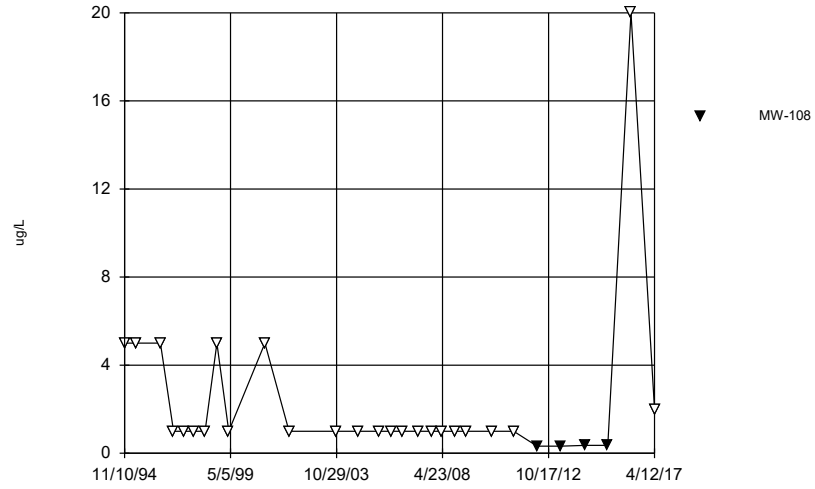
Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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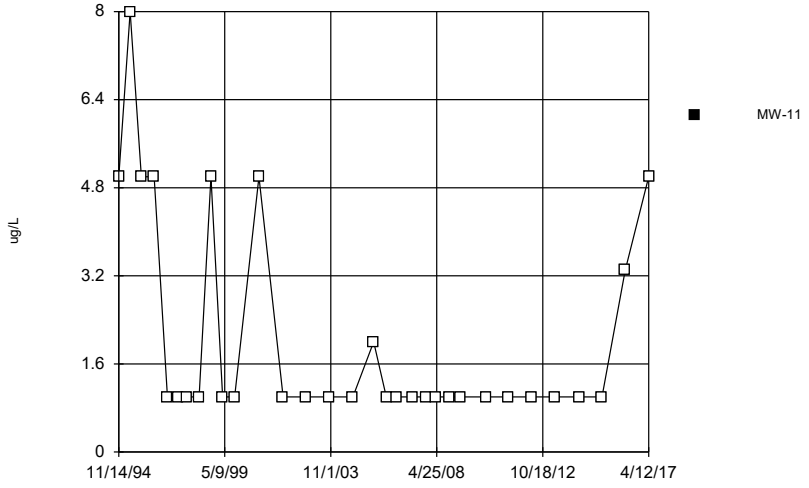
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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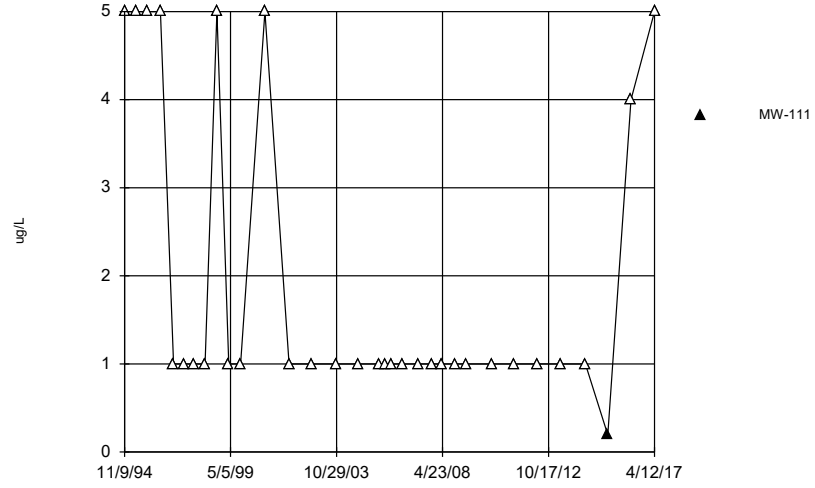

Constituent: Xylenes [total] Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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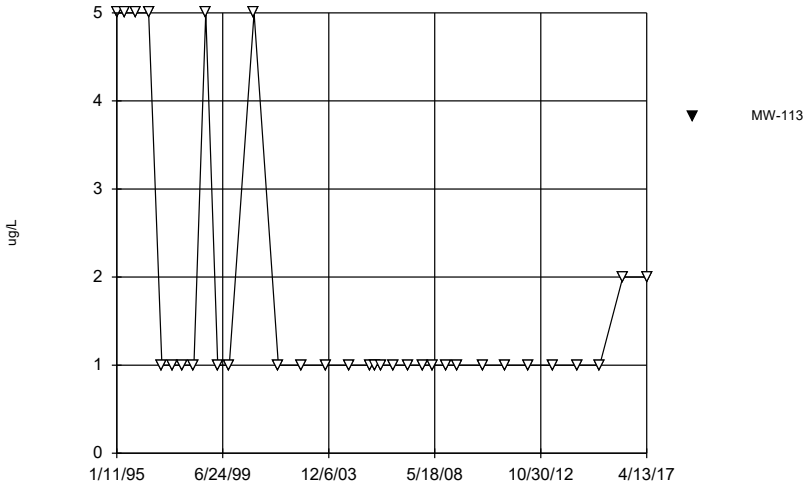
Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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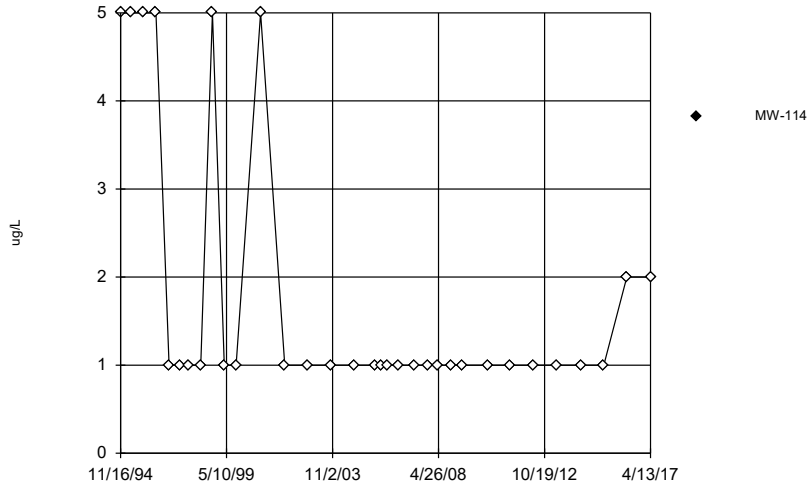
Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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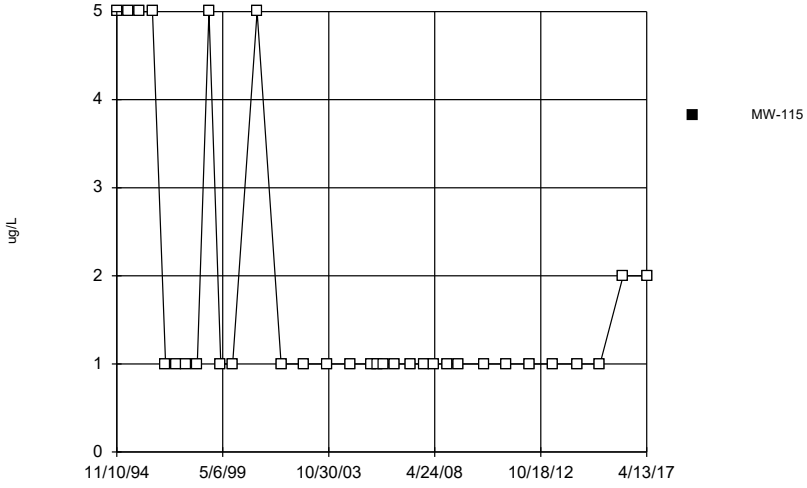
Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

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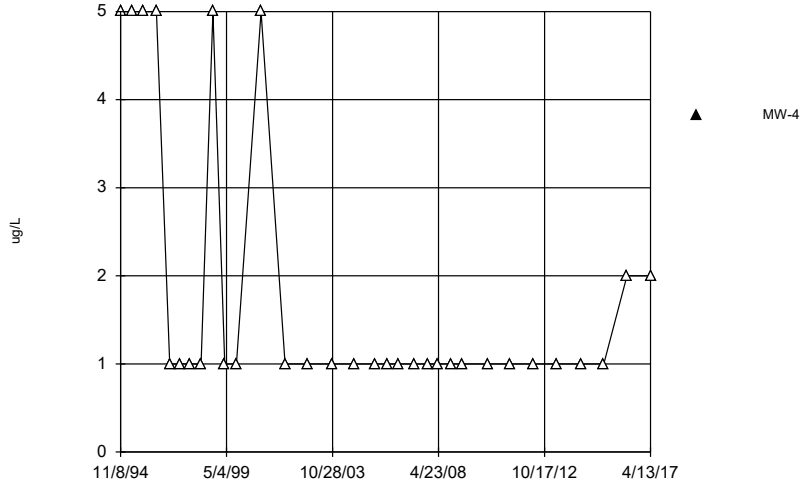

Constituent: Xylenes [total] Analysis Run 4/28/2017 1:25 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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Hollow symbols indicate censored values.

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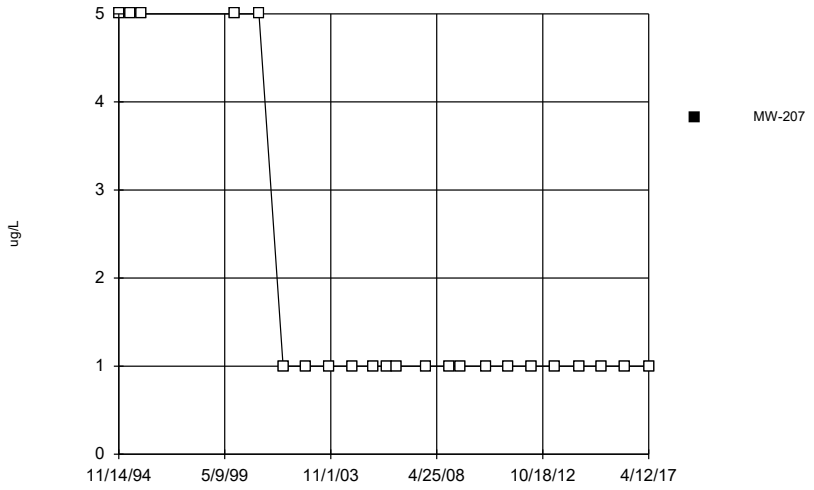
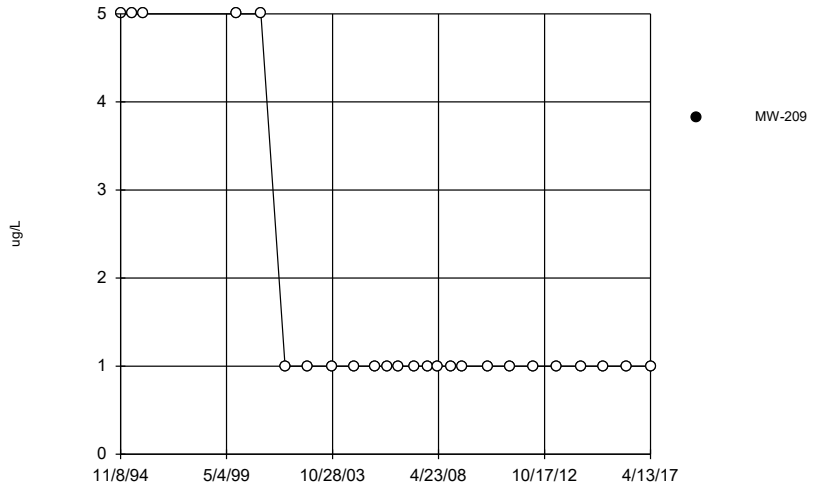


Constituent: 1,1,1-Trichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

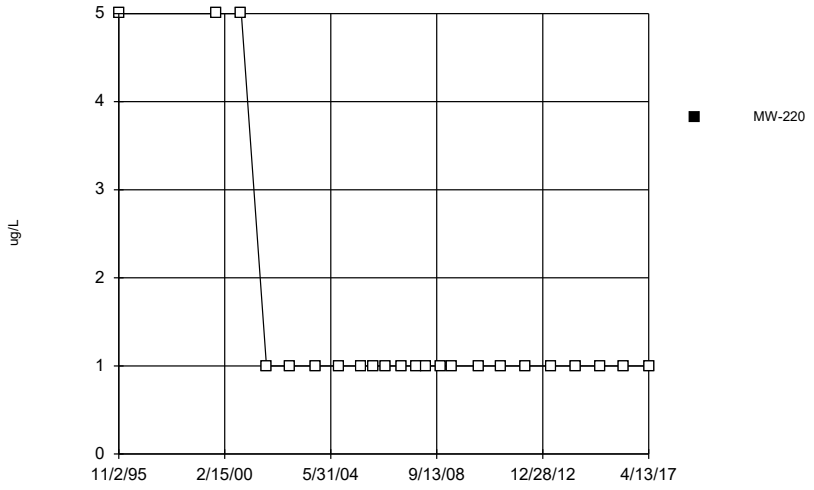
Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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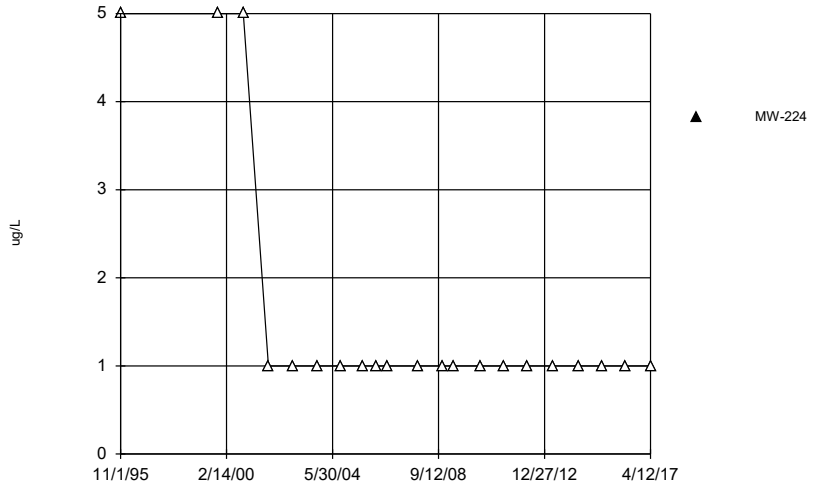

Constituent: 1,1,1-Trichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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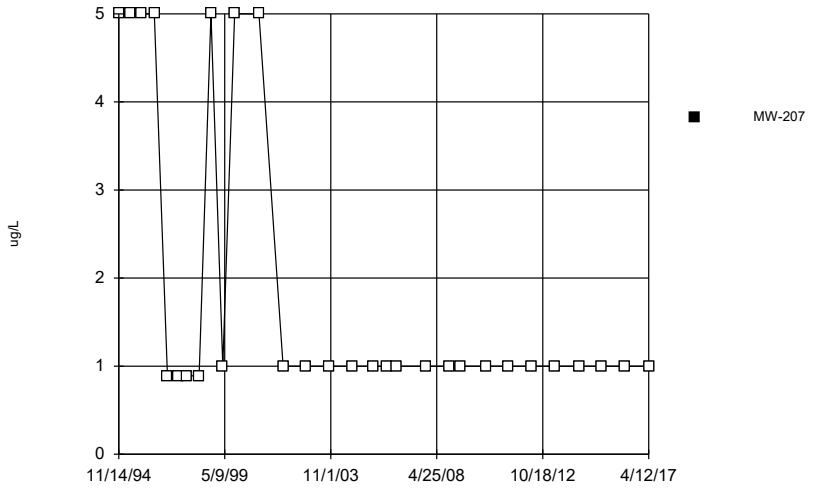

Constituent: 1,1-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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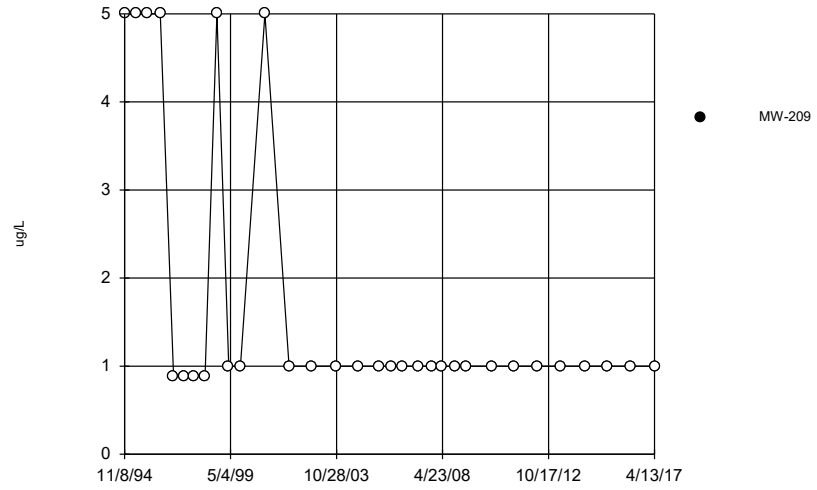
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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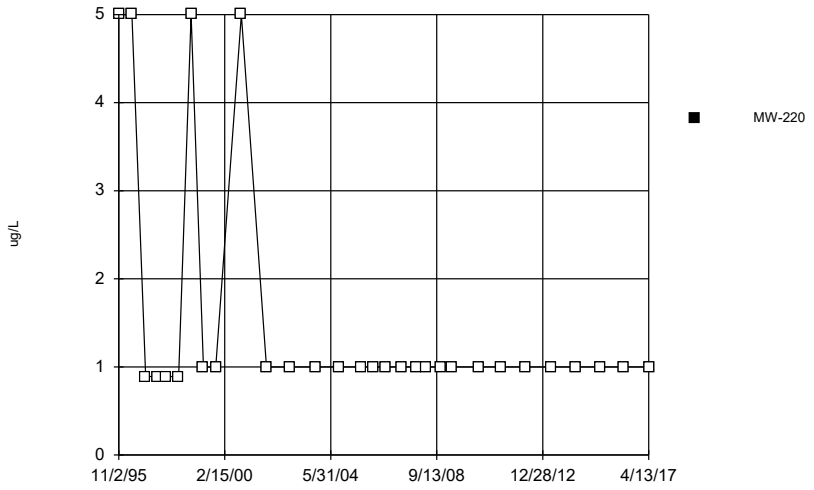

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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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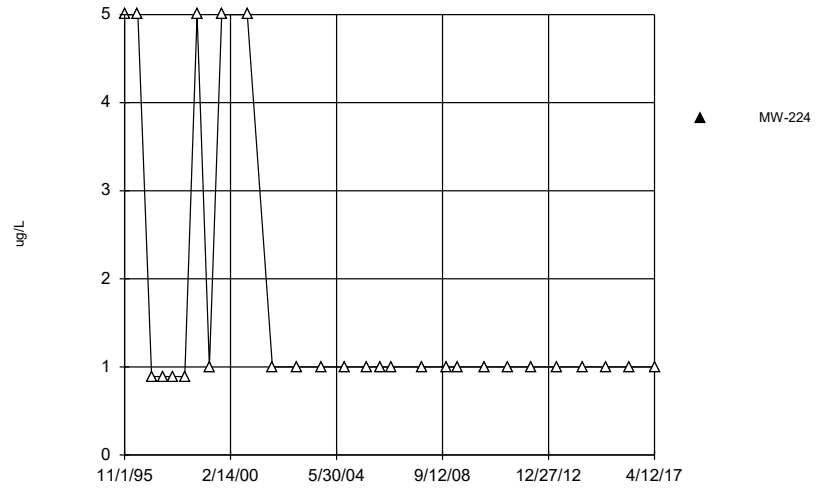
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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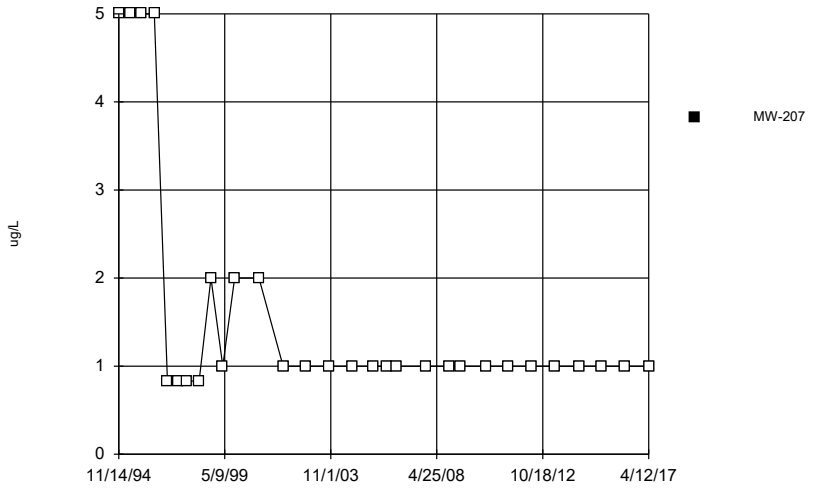

Constituent: 1,2-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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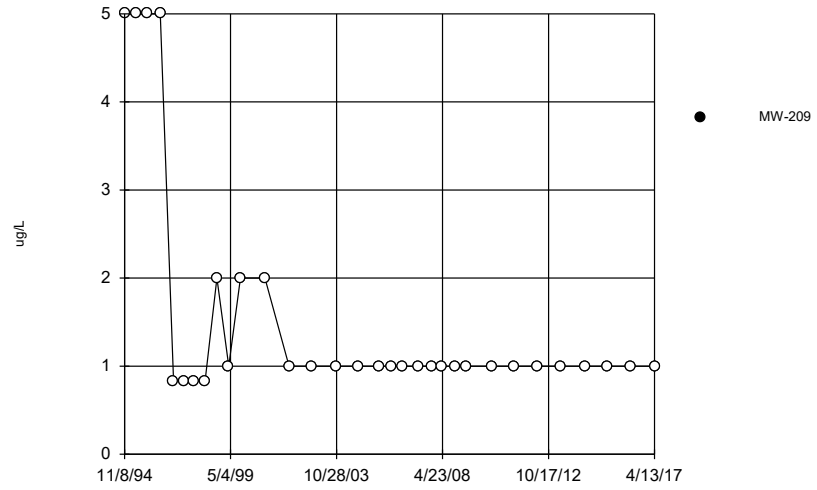
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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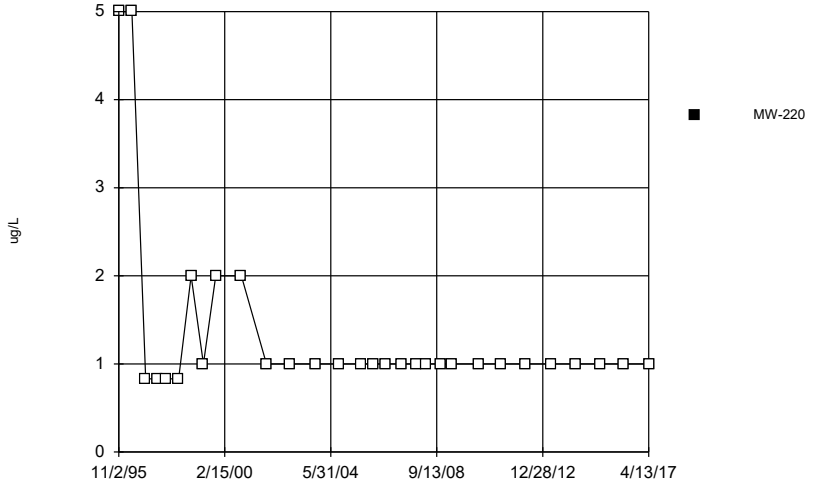
Hollow symbols indicate censored values.

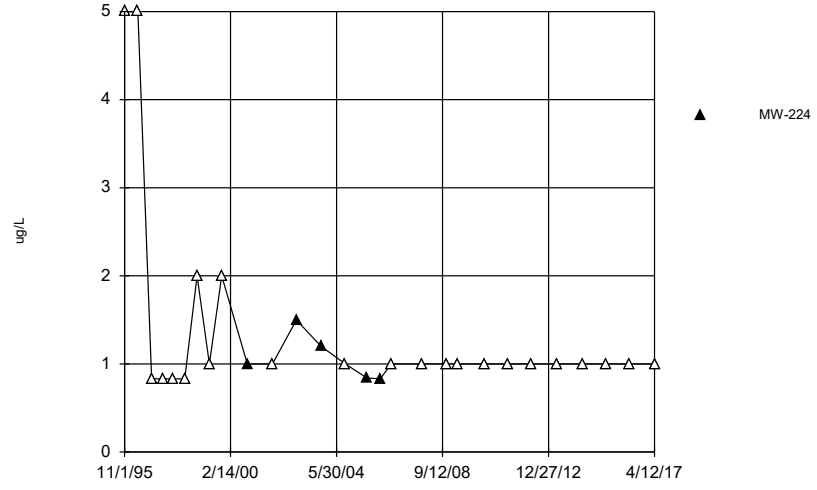
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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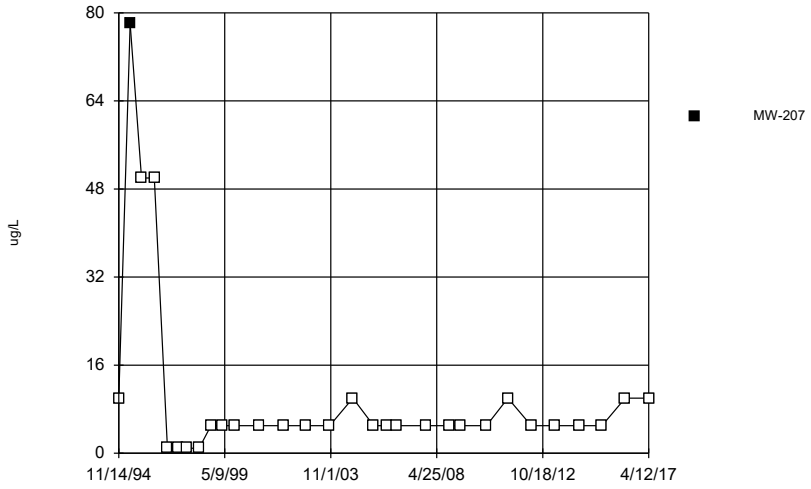
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

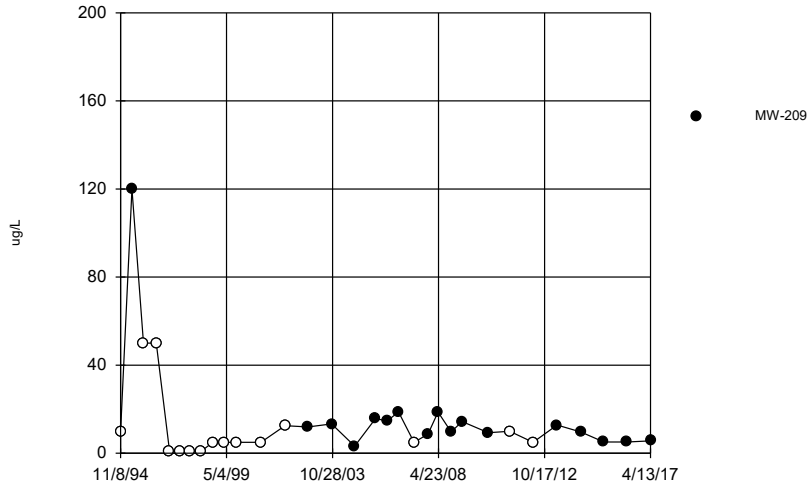
Time Series



Constituent: Acetone Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Acetone Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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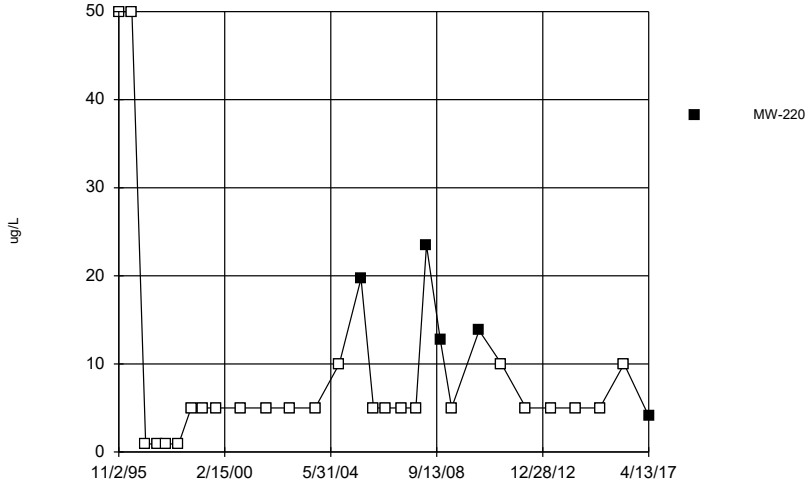
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Acetone Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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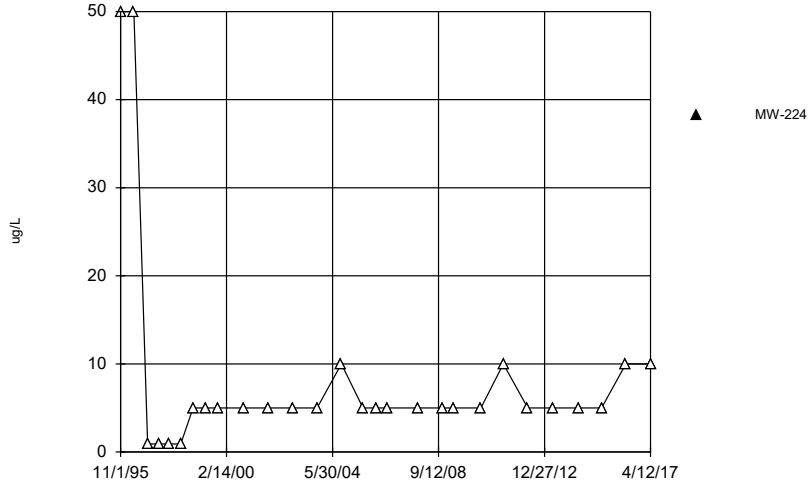
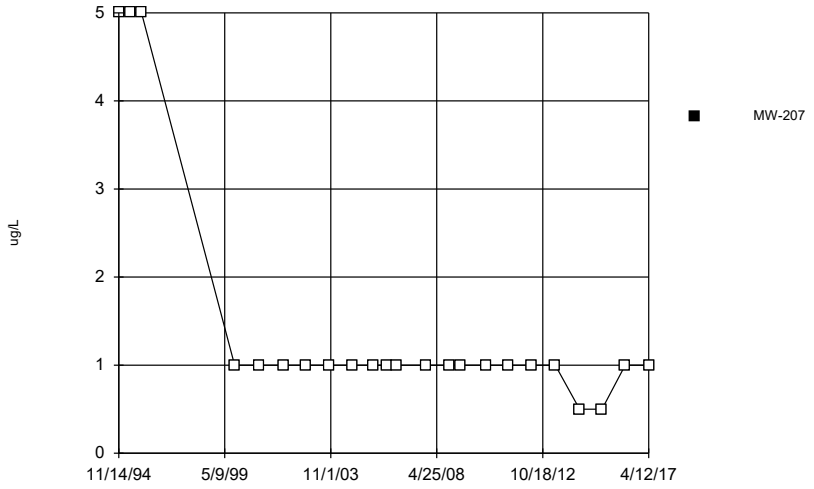
Time Series



Constituent: Acetone Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

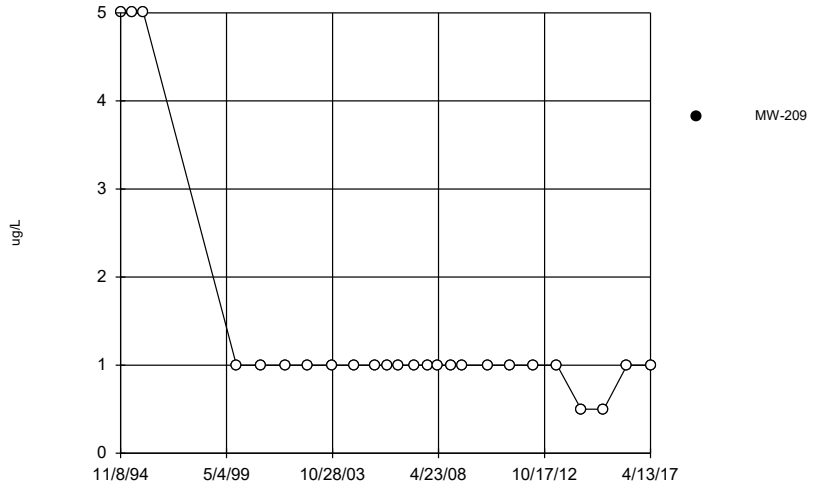
Time Series



Constituent: Benzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Benzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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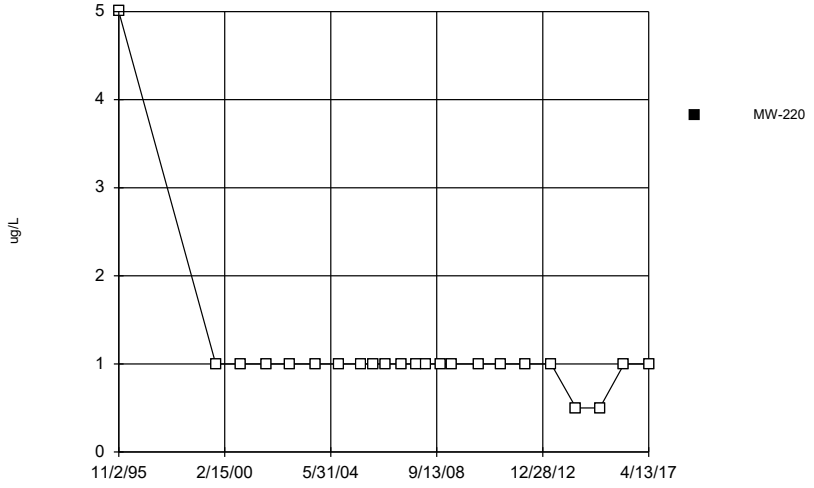
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Benzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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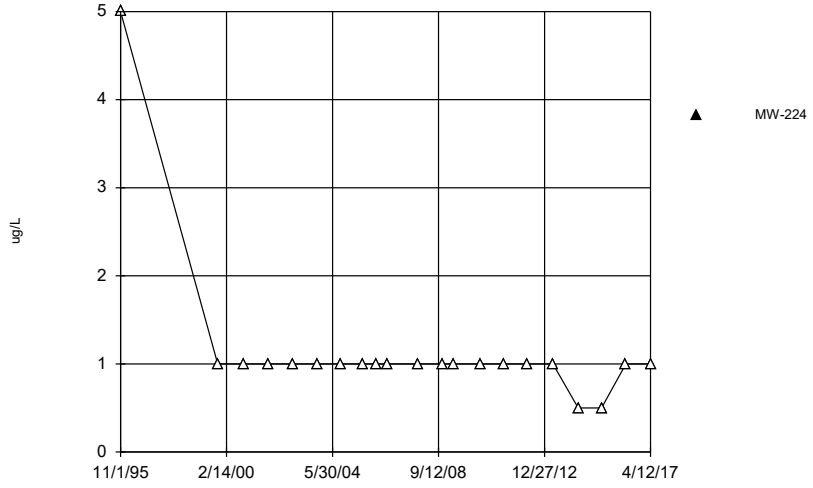
Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

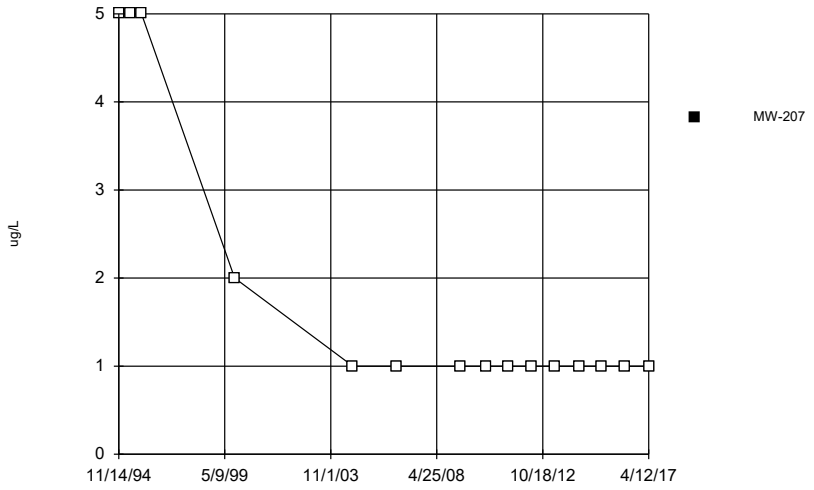
Time Series



Constituent: Benzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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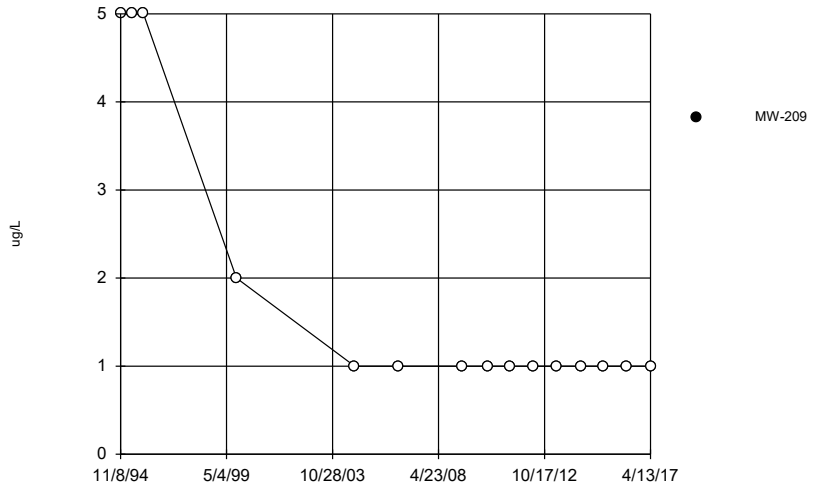
Time Series



Constituent: Chlorobenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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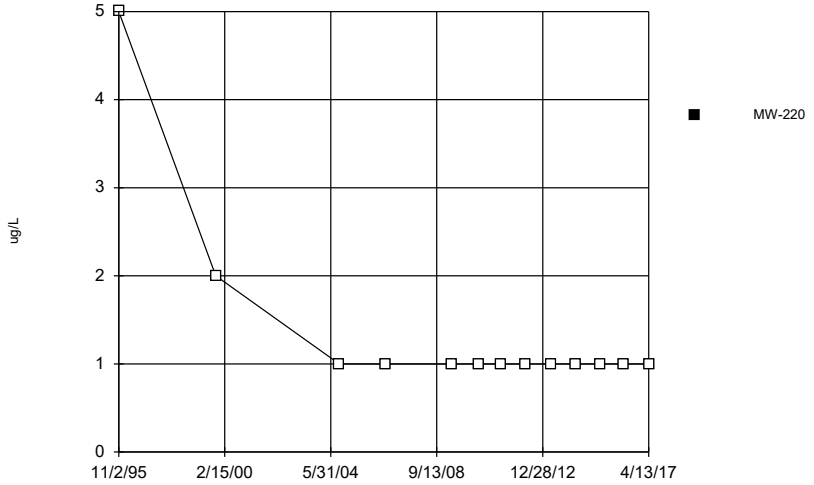

Constituent: Chlorobenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
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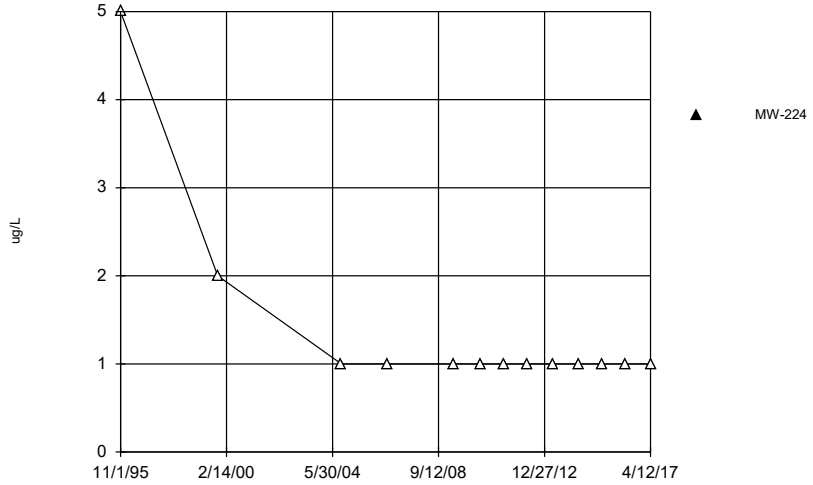
Hollow symbols indicate censored values.

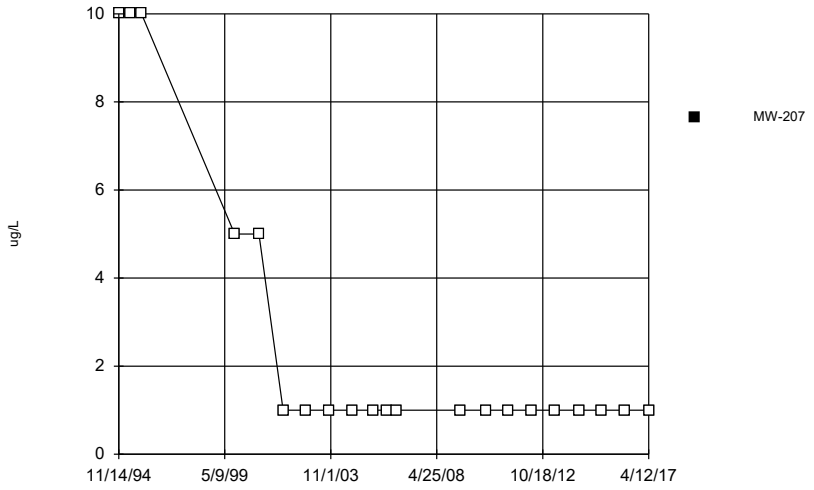
Time Series



Constituent: Chlorobenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

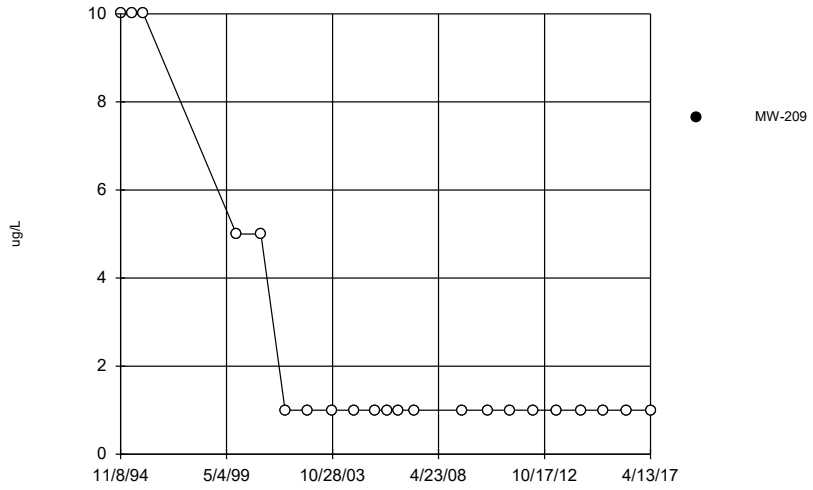
Time Series



Constituent: Chloroethane Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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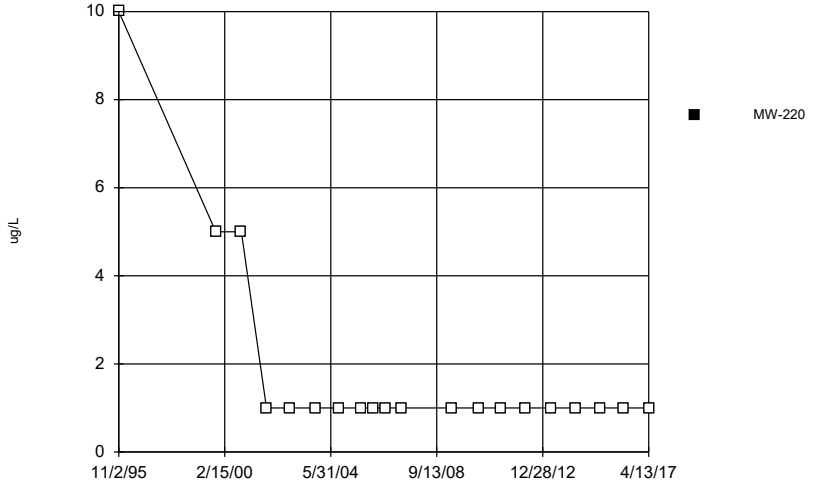
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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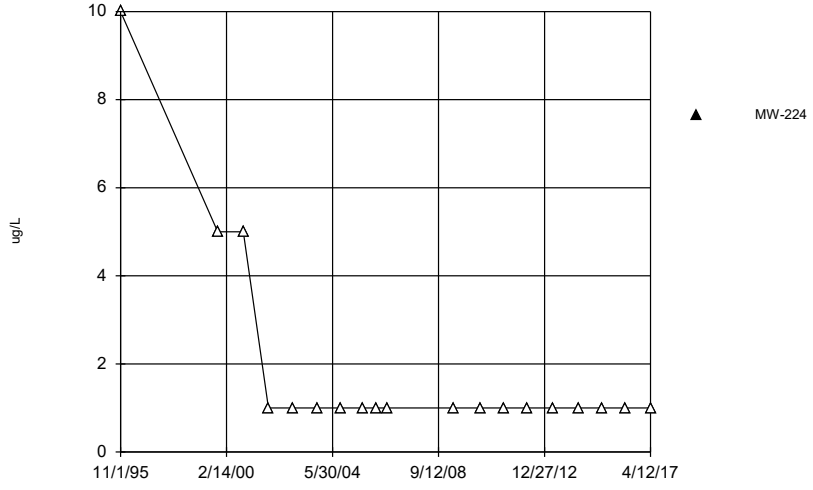

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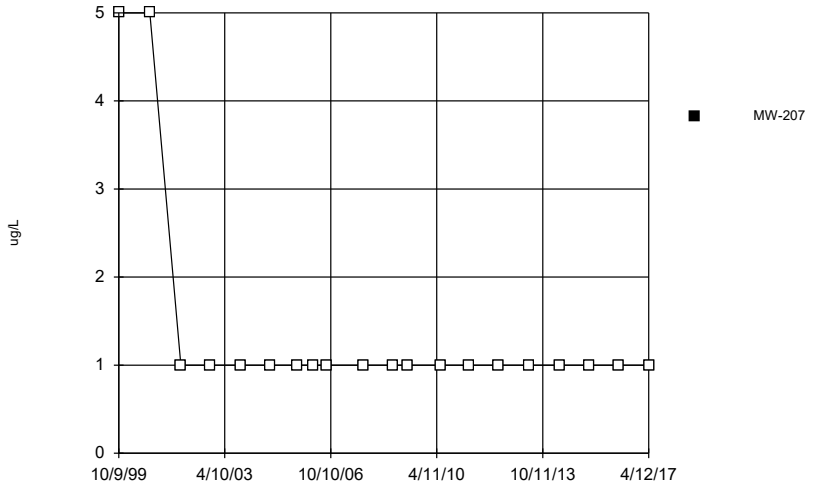
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

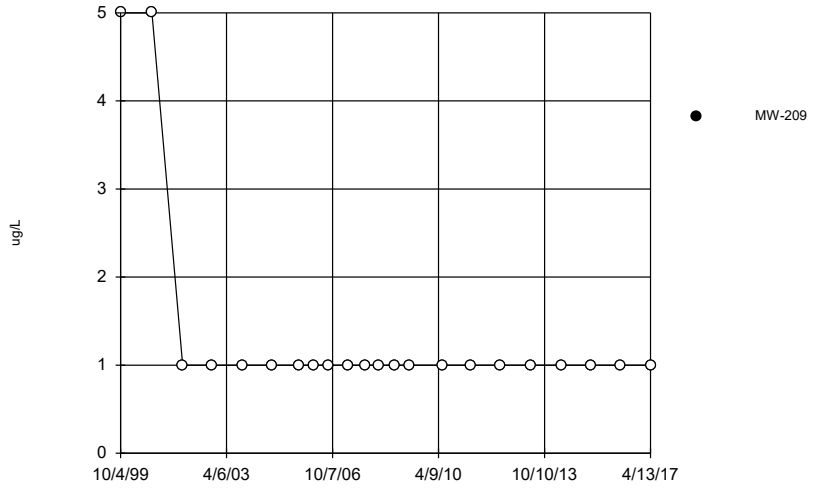
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

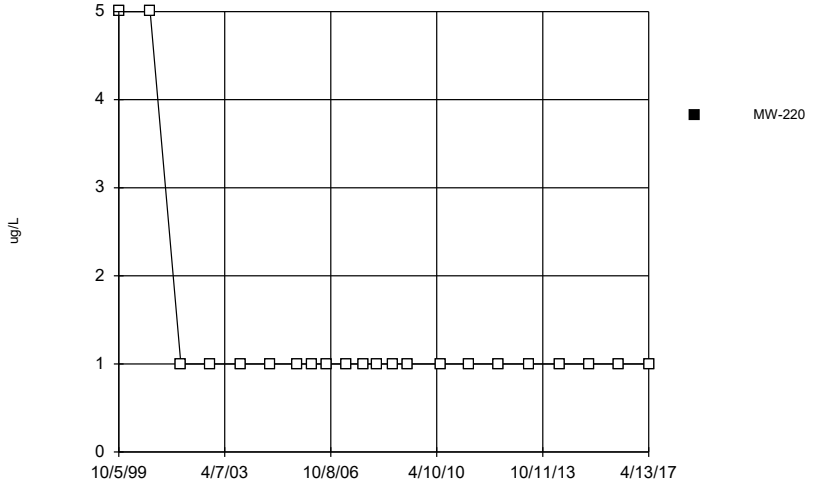
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

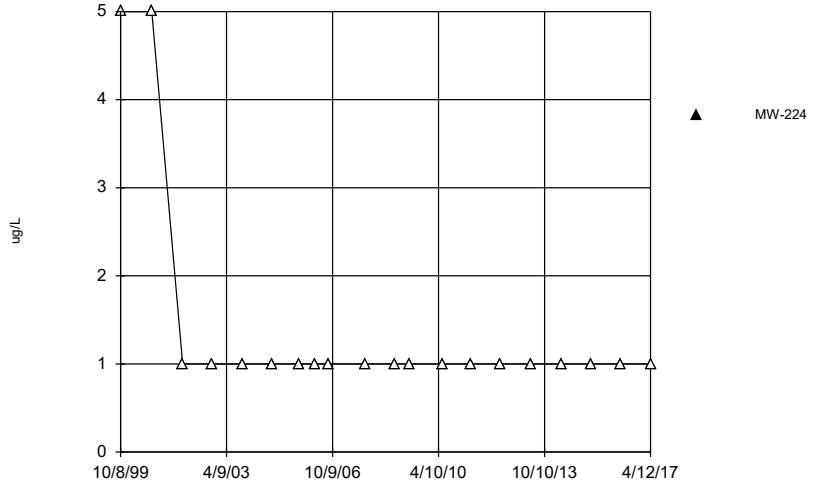
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

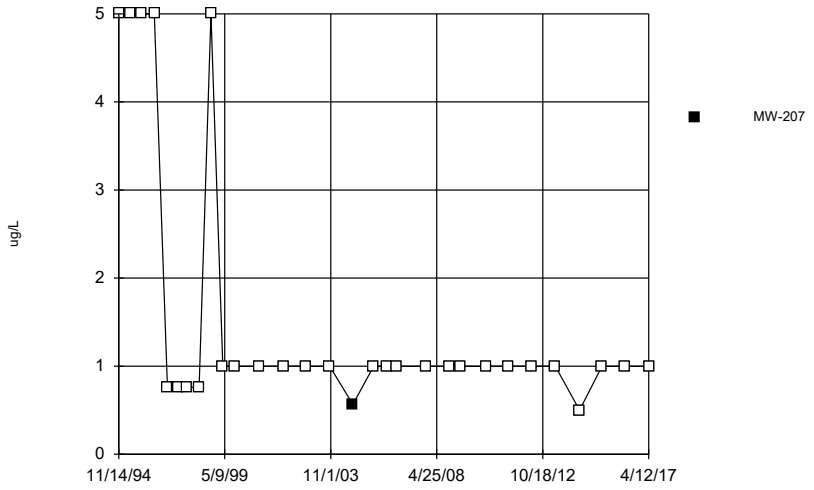
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

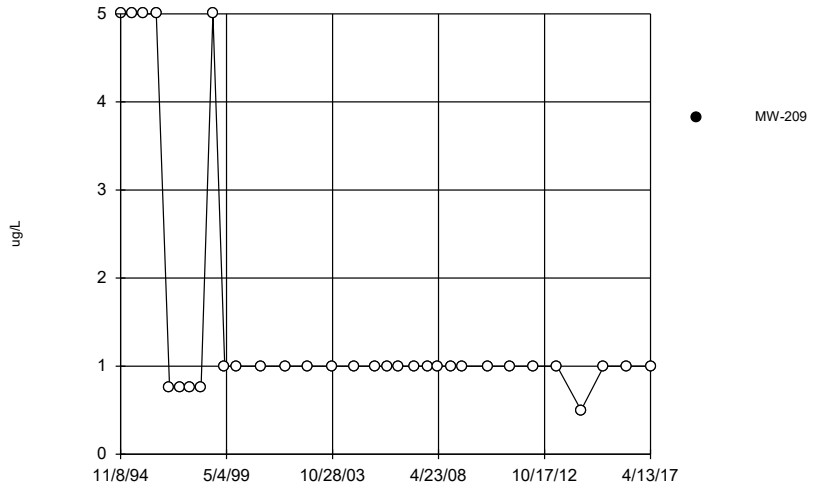
Time Series



Constituent: Ethylbenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

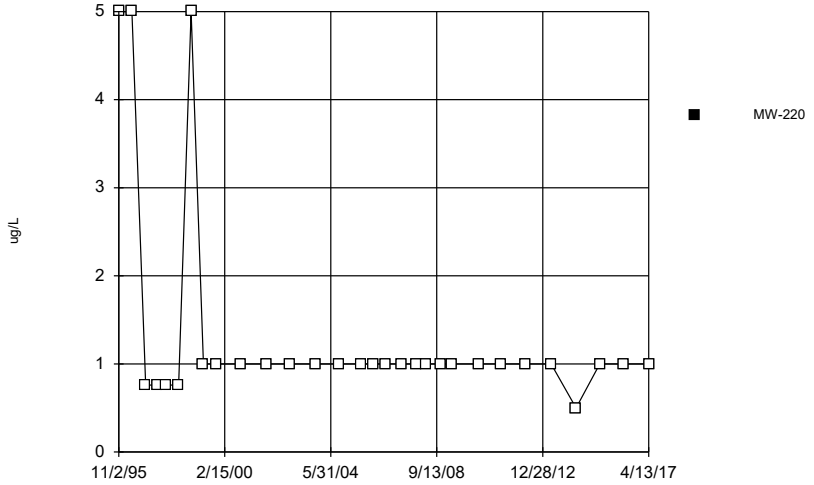
Time Series



Constituent: Ethylbenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

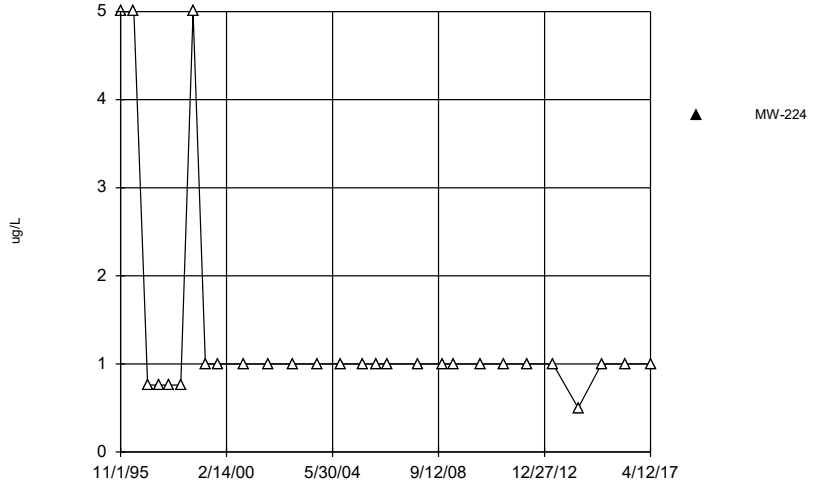
Time Series



Constituent: Ethylbenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Ethylbenzene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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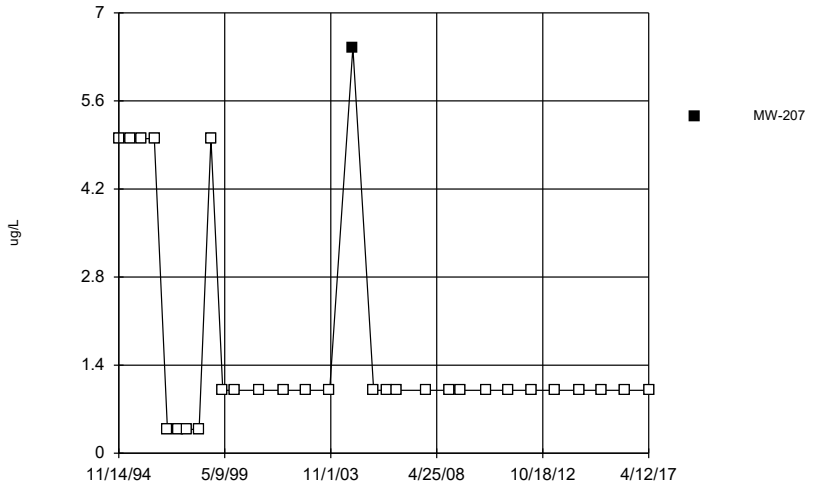
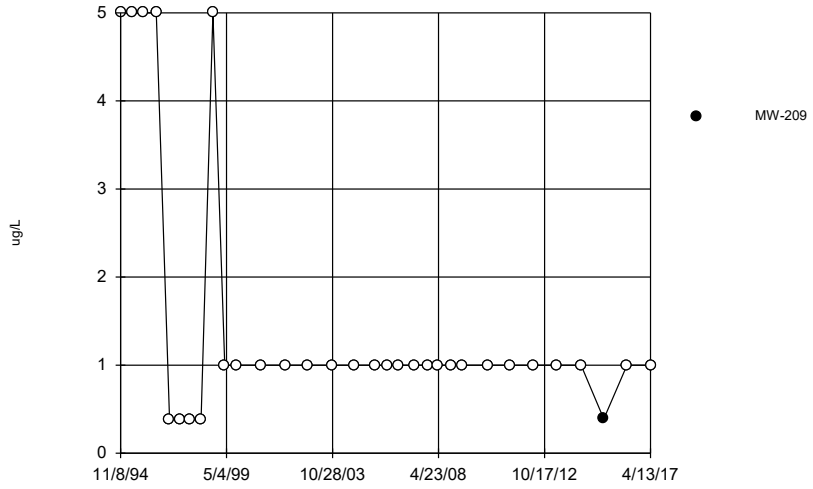


Constituent: Toluene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

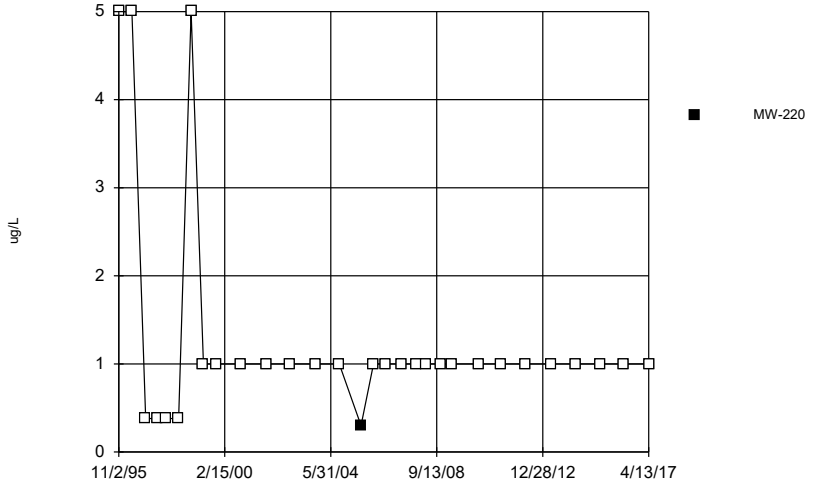
Time Series



Constituent: Toluene Analysis Run 4/28/2017 1:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Toluene Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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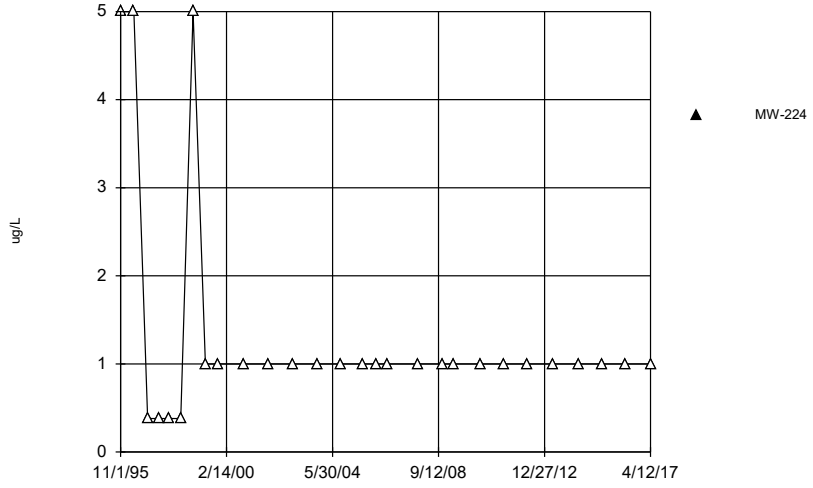
Time Series



Constituent: Toluene Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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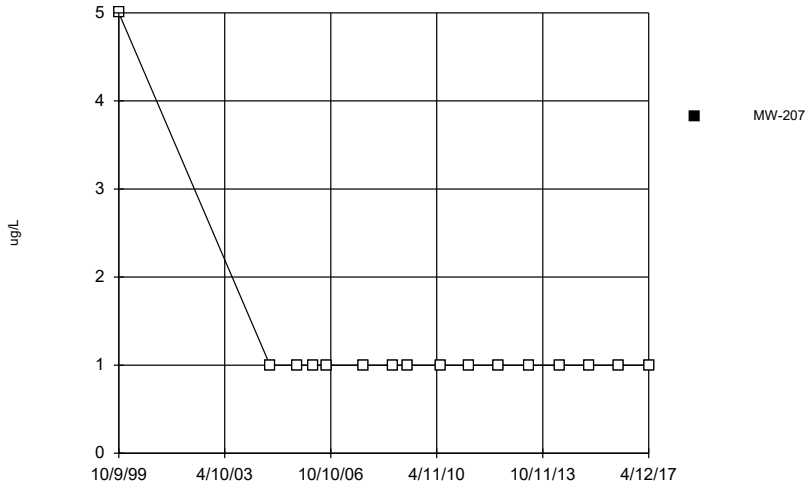

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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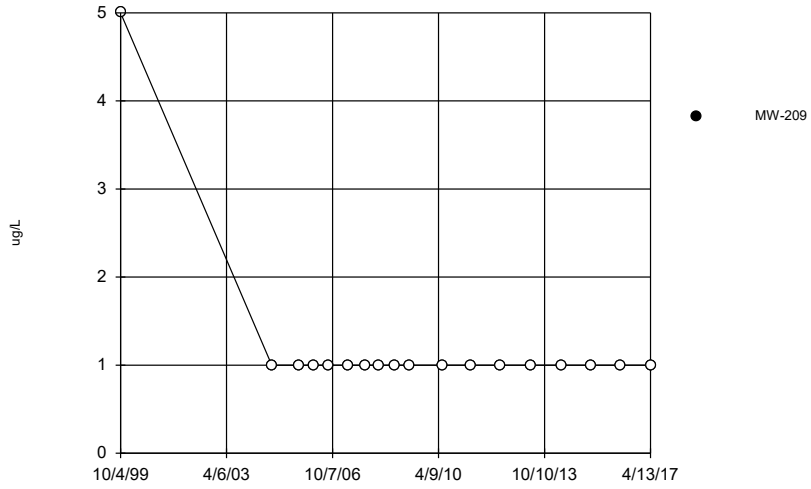

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Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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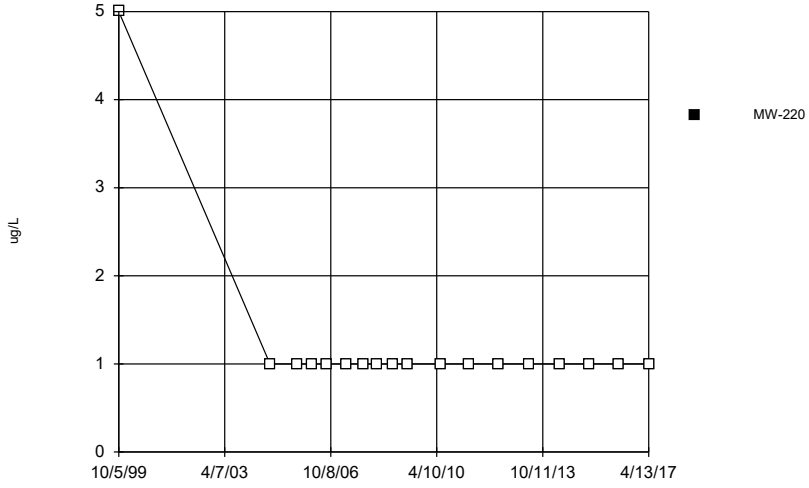

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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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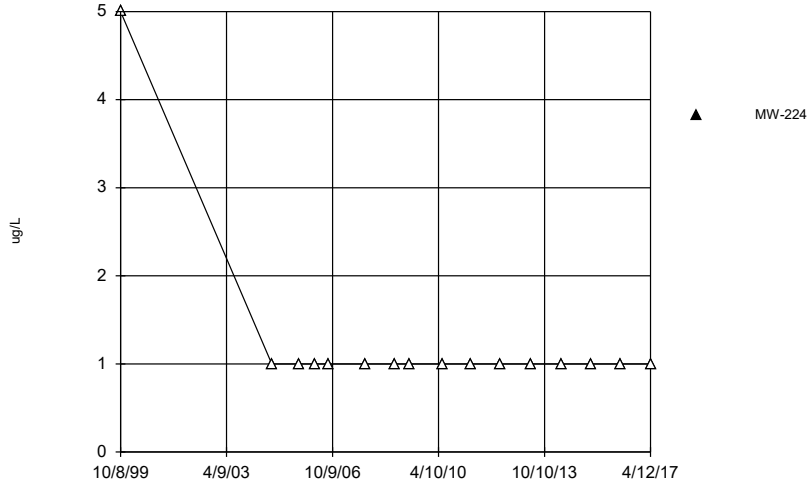

Constituent: trans-1,2-Dichloroethene Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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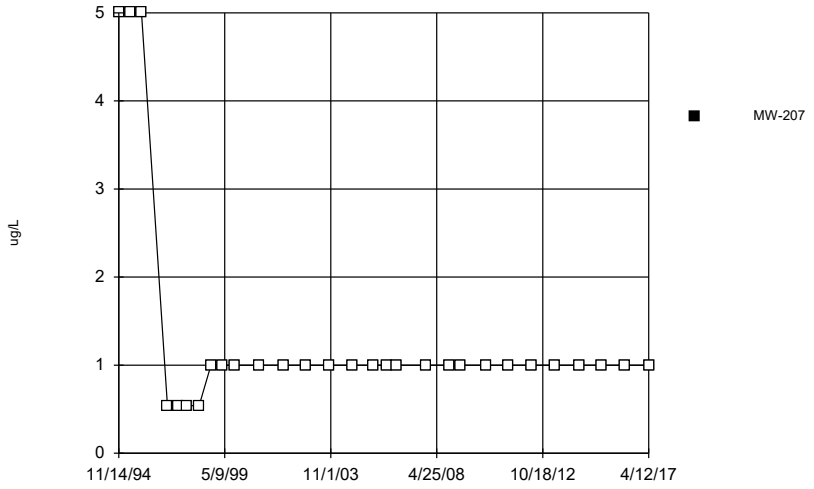

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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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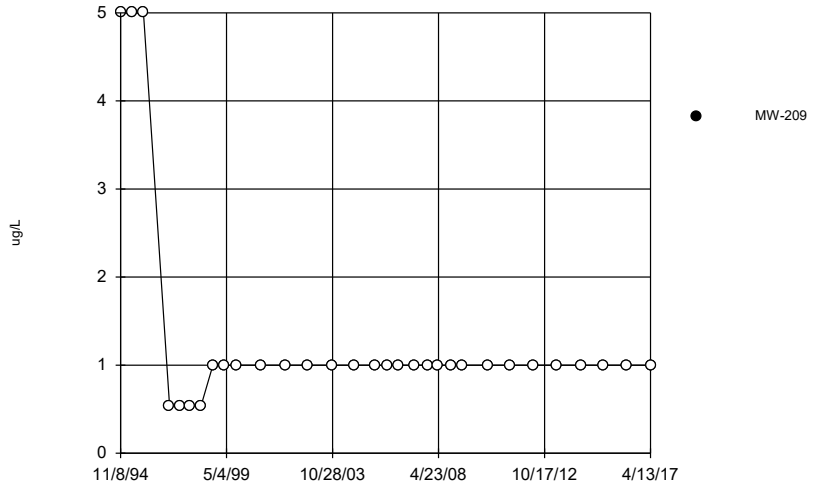

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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
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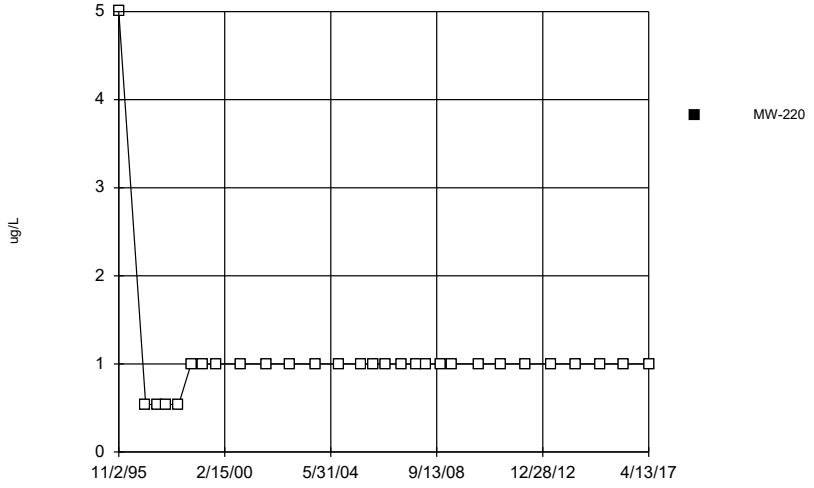

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Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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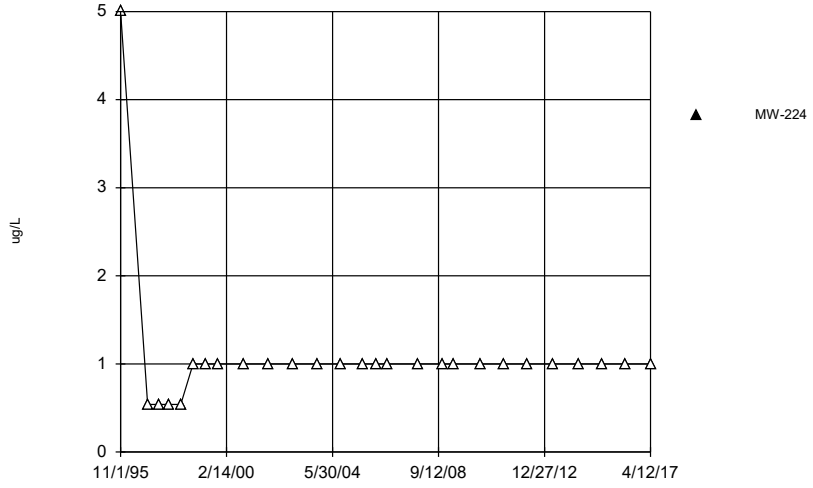

Constituent: Trichloroethene Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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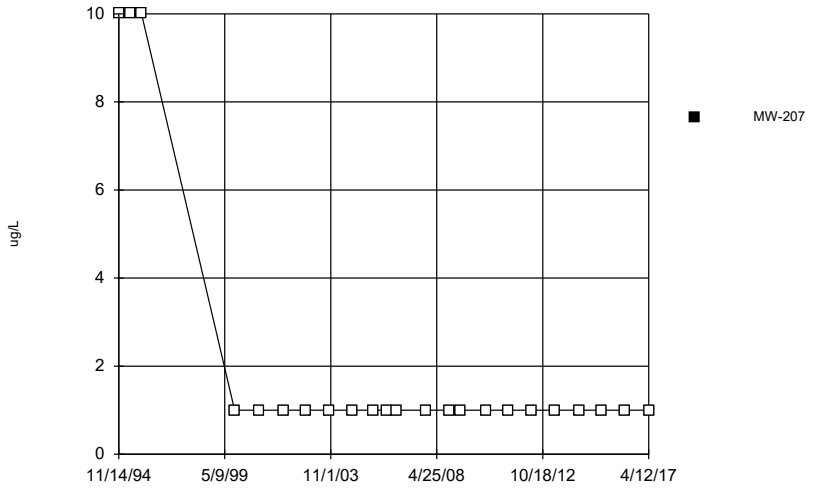
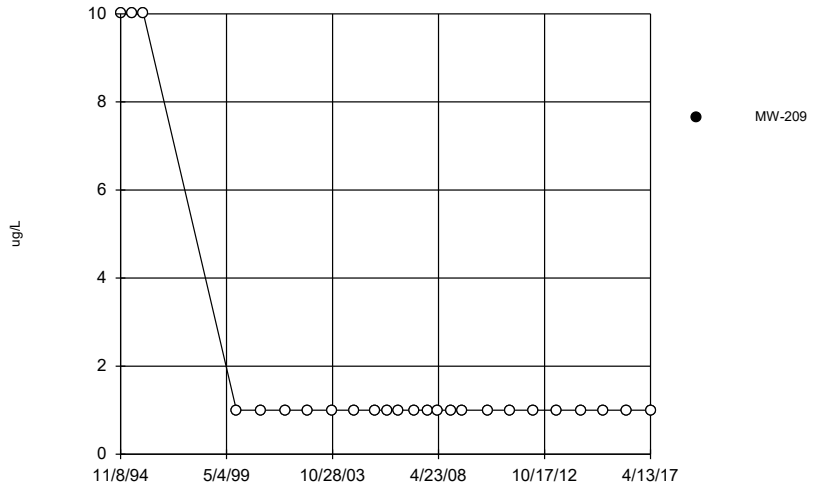


Constituent: Vinyl chloride Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

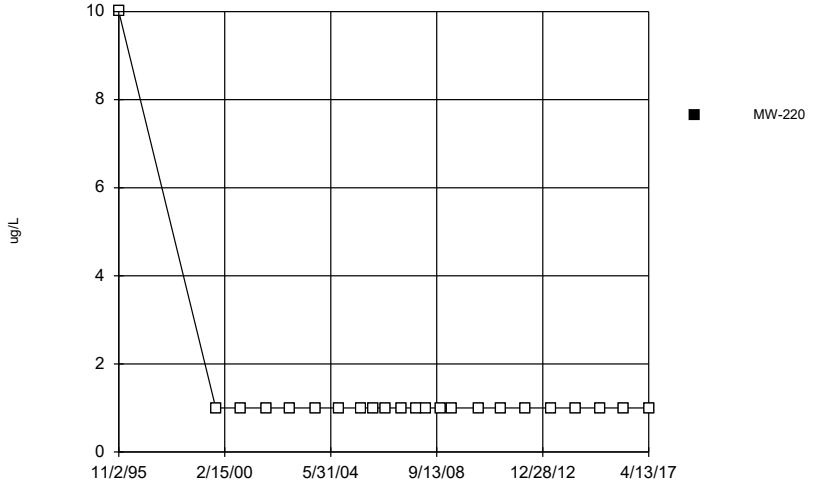
Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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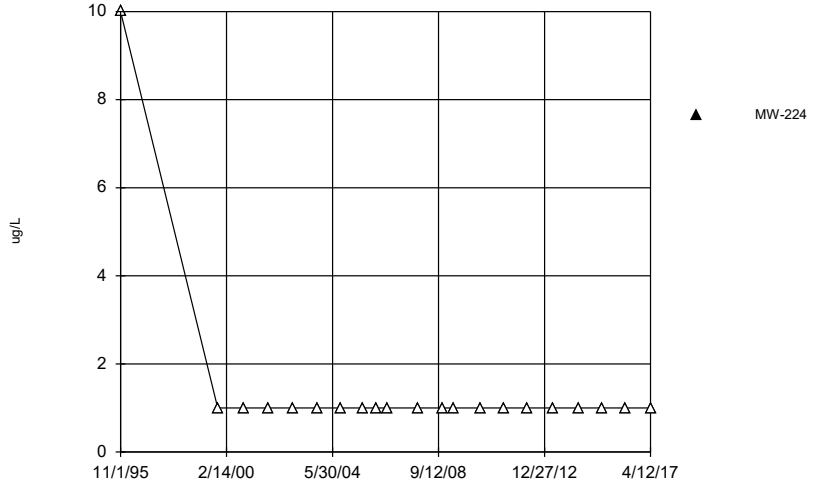

Constituent: Vinyl chloride Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
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Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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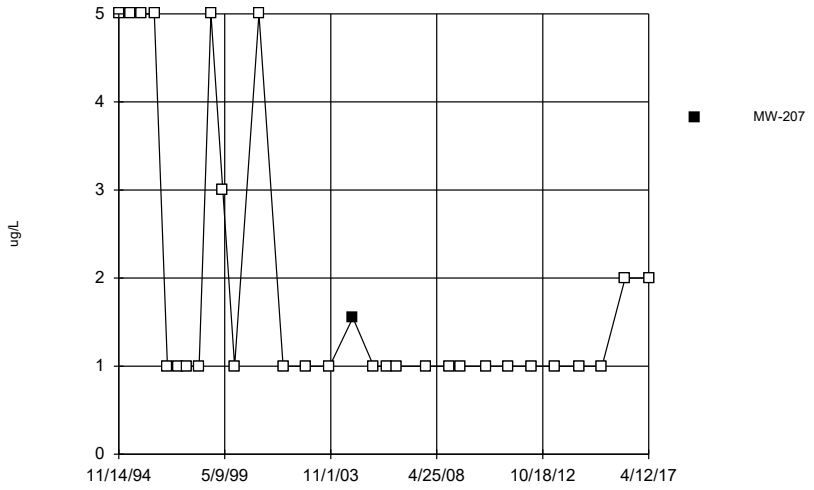
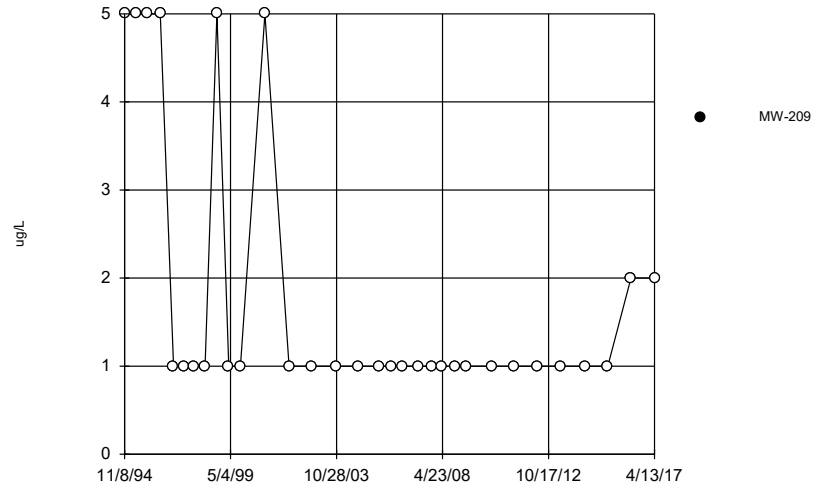


Constituent: Xylenes [total] Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

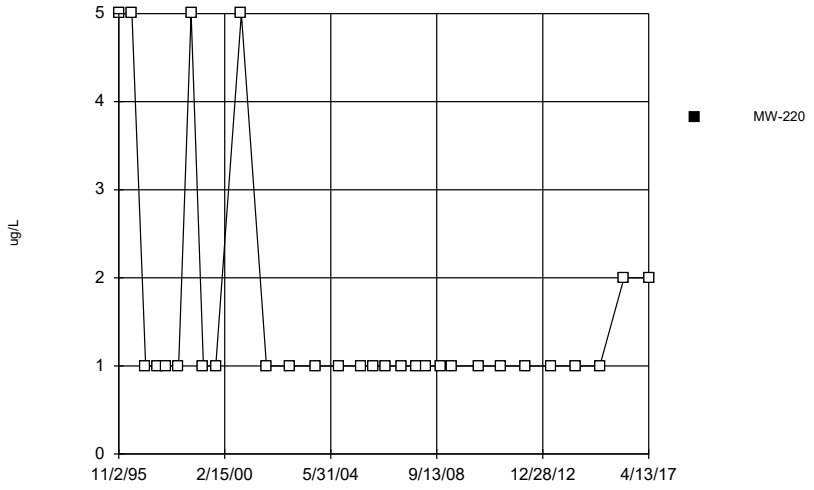
Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

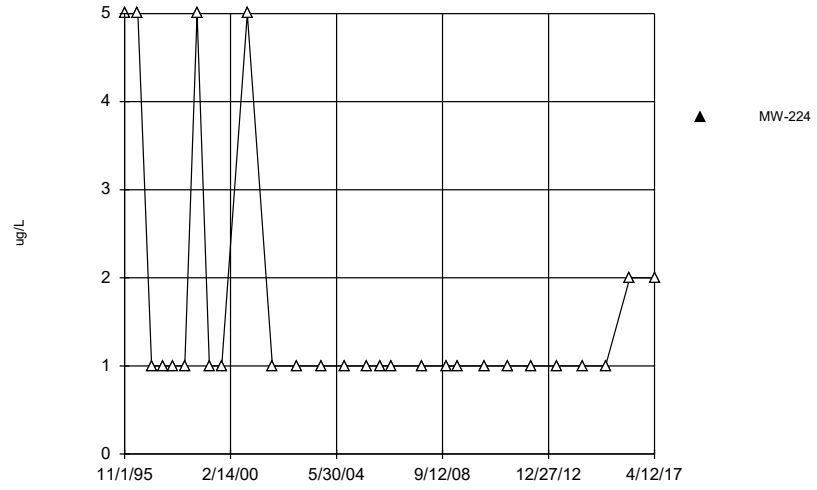
Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.31 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 4/28/2017 1:19 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

APPENDIX E.

TIME-SERIES PLOTS OF VOC RESULTS, S&E DITCH SURFACE WATER

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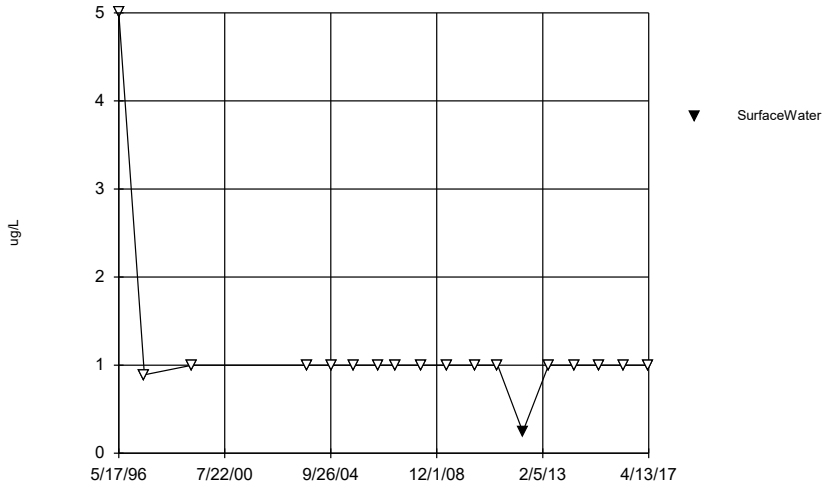
Hollow symbols indicate censored values.

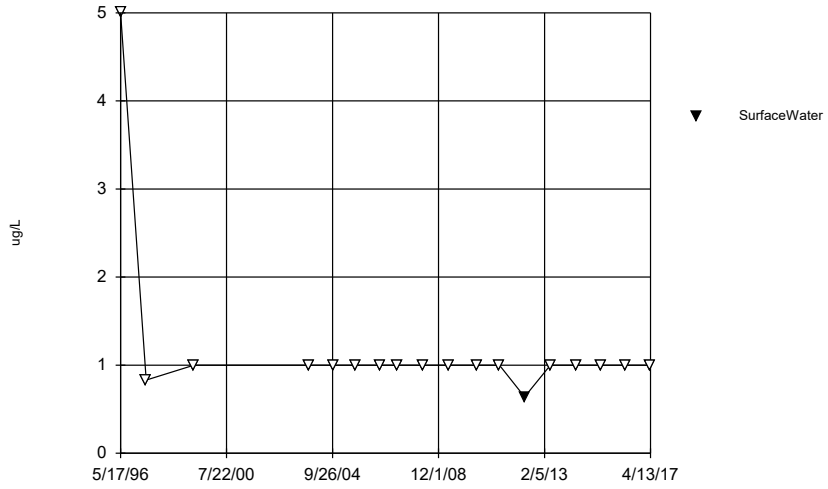
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.32 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

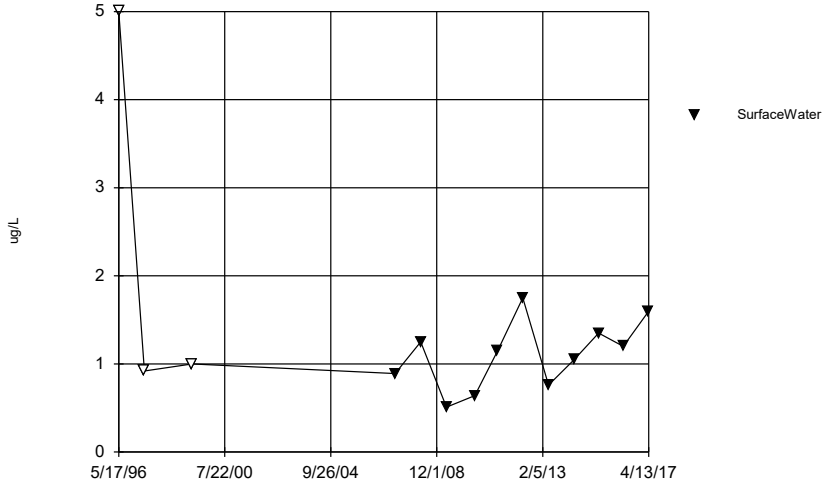
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.32 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

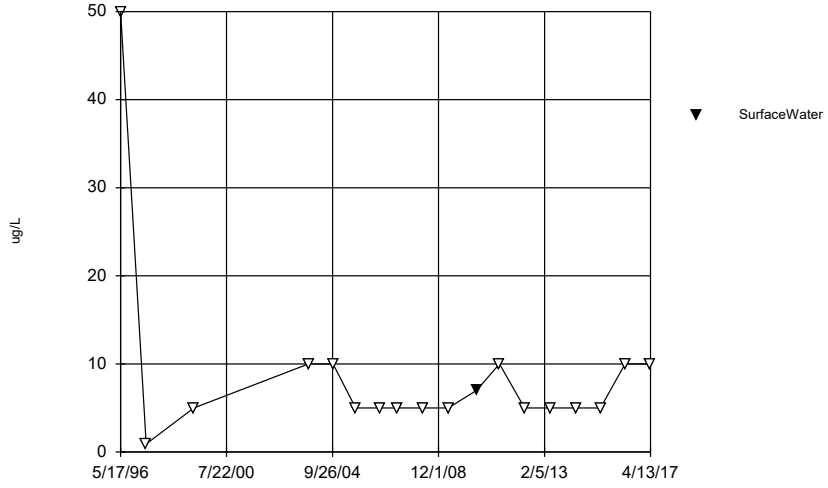
Time Series



Constituent: 1,2-Dichloroethene [total] Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.32 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

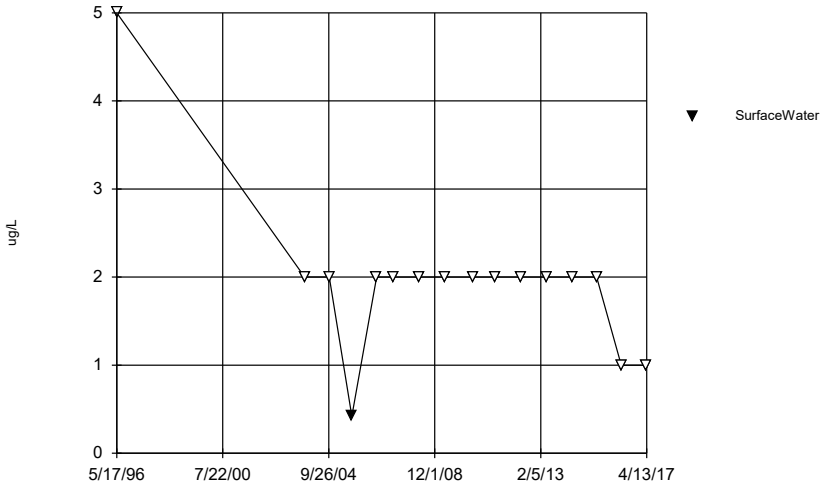
Time Series



Constituent: Acetone Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.32 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

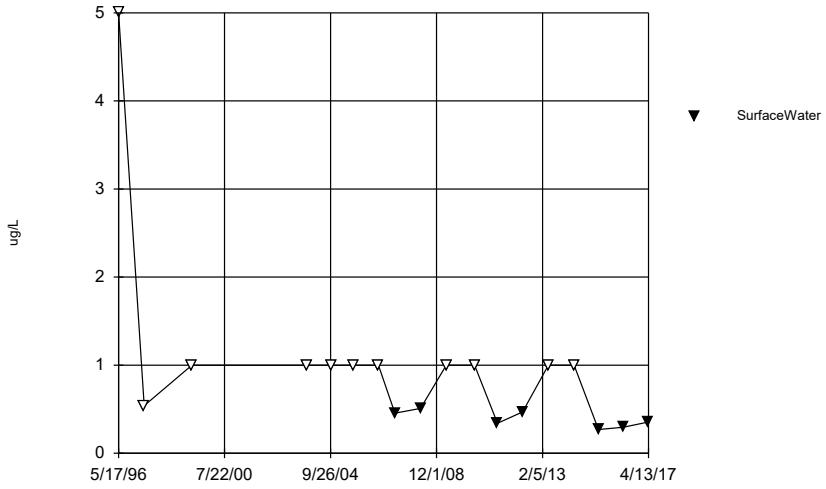
Time Series



Constituent: Carbon disulfide Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.32 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Trichloroethene Analysis Run 8/1/2017 9:53 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

PLATES

MW-107	10/7/2004	4/24/2009	6/2/2010	4/29/2011	4/24/2012	4/29/2013	5/9/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	195	134	122	57.9	57.1/54.3	33	19.5	27 / ND(20)	ND(130)	11 / 11
1,1-Dichloroethane	1200	1320	1600	1060	1610/1300	1340	1330	1550 / 1560	1200	1100 / 1200
1,2-Dichloroethane	205	291	219	157	210/214	137	72.8	77.3 / 81.5	54 J	55 / 50
Acetone	ND(500)	ND(250)	ND(50)	ND(100)	ND(25)/ND(50)	ND(50)	ND(50)	ND(100) / ND(100)	ND(1300)	ND(63) / ND(63)
Benzene	76.2	97.8	130	82.3	89.1/89.5	90.9	94.9	103 / 108	84 J	76 / 73
Chlorobenzene	53.4	63.5	68.1	54.2	53.9/55.0	55.1	58.3	62.3 / 60.3	46 J	42 / 40
Chloroethane	ND(50)	ND(50)	ND(10)	5.0 J	ND(1.0)/ND(10)	ND(10)	10.8	20.4 / 18.1 J	ND(130)	56 / 56
cis-1,2-Dichloroethene	291	369	434	270	208/211	104	43.7	45.1 / 54.8	41 J	11 / 11
Ethylbenzene	830	1230	1240	989	907/944	1030	1150	1220 / 1230	1000	990 / 970
Toluene	8750	5070	5190	4040	3510/3340	2690	3440	3960 / 3940	3700	1800 / 1800
trans-1,2-Dichloroethene	ND(50)	ND(50)	ND(10)	ND(10)	2.7 J/ND(10)	ND(10)	ND(10)	ND(20) / ND(20)	ND(130)	ND(6.3) / ND(6.3)
Trichloroethene	ND(50)	ND(50)	6.7 J	4.5 J	5.1/4.1 J	4.2 J	ND(10)	ND(20) / ND(20)	ND(130)	ND(6.3) / ND(6.3)
Vinyl chloride	ND(50)	121	119	76.3	142/143	97.8	46.8	55.4 / 60.1	ND(130)	17 / 19
Xylenes [total]	2760	4120	4090	3220	3320/2990	3390	3640	4140 / 4200	3200	3200 / 3300

MW-108	10/7/2004	4/23/2009	6/2/2010	4/29/2011	4/24/2012	4/29/2013	5/9/2014	4/21/2015	4/13/2016	4/12/2017
1,1,1-Trichloroethane	3	8.6	6.7	5.3/6	6.1	5/5.3	4.8	4.4	ND(10) / ND(10)	3 / 3.5
1,1-Dichloroethane	50.7	213	244	200/234	329	299/309	315	359	310 / 280	260 / 270
1,2-Dichloroethane	59.4	68.9	67.7	59/62	68.5	67.1/67.6	75.1	70	61 / 60	59 / 51
Acetone	5.4 J	3.8 J	4.1 J	ND(10)/ND(10)	ND(5.0)	ND(5.0)/ND(5.0)	ND(5)	ND(5)	ND(100) / ND(100)	ND(10) / ND(10)
Benzene	10.7	77.2	86.9	91.7/98.6	120	126/126	136	137	130 / 120	110 / 110
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	0.27 J	ND(10) / ND(10)	ND(1) / ND(1)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(10) / ND(10)	ND(1) / ND(1)
cis-1,2-Dichloroethene	52.8	128	155	144/156	199	201/208	210	237	290 / 220	180 / 190
Ethylbenzene	ND(1.0)	0.54 J	0.61 J	0.58 J/0.63 J	0.81 J	0.50 J/0.45 J	0.41 J	0.43 J	ND(10) / ND(10)	0.30 J / 0.28 J
Toluene	ND(1.0)	0.59 J	0.69 J	0.73 J/0.83 J	1.1	1.0/0.97 J	1.1	0.95 J	ND(10) / ND(10)	0.74 J / 0.72 J
trans-1,2-Dichloroethene	2	4.2	5	3.9/4.5	5.8	5.9/6.0	5.4	6.5	6 J / 5.6 J	5.9 / 6
Trichloroethene	10.8	30.1	30.8	25.7/28.8	31	27.8/27.8	27.8	32.1	28 / 27	29 / 31
Vinyl chloride	5.5	53.2	76.8	61.2/69.5	119	115/117	130	114	110 / 95	82 / 86
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	0.32 J	0.39 J/0.25 J	0.36 J	0.36 J	ND(20) / ND(20)	ND(2) / ND(2)

MW-4	10/4/2004	4/21/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/6/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)	ND(5.0)	ND(10.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(10)	ND(10)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-113	10/7/2004	4/20/2009	6/2/2010	4/29/2011	4/24/2012	4/29/2013	5/9/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)	3.6 J	ND(10.0)	5.9	ND(5.0)	ND(5.0)	ND(5.0)	ND(10)	ND(8.0)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-111	10/7/2004	4/23/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/9/2014	4/20/2015	4/12/2016	4/12/2017
1,1,1-Trichloroethane	5.6	2.3	2	1.1	1.6	ND(1.0)	1.4	ND(1.0) / ND(1.0)	ND(2.0)	0.67 J
1,1-Dichloroethane	47.1	31.4	33.7	21.1	32.2	32.9	29.2	34.5 / 34.6	17	19
1,2-Dichloroethane	144	69.1	75.1	44.5	73.7	96.4	112	131 / 133	57	73
Acetone	ND(10)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) / ND(5.0)	ND(20)	ND(25)
Benzene	0.34 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5) / ND(0.5)	ND(2.0)	ND(2.5)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(2.0)	ND(2.5)
Chloroethane	1.6	1.4	1.4	0.88 J	1.2	1.7	1.7	1.6 / 1.5	0.7 J	ND(2.5)
cis-1,2-Dichloroethene	8.2	6.3	7.5	4.9	6.3	7.1	6.1	7.2 / 7.3	4	4.4
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(1.0) / ND(1.0)	ND(2.0)	ND(2.5)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(2.0)	ND(2.5)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(2.0)	ND(2.5)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(2.0)	ND(2.5)
Vinyl chloride	8.6	5.2	7	3.3	6.2	6.5	6	8.4 / 8.9	3.3	4.9
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.2 J / 0.39 J	ND(4.0)	ND(5)

MW-114	10/5/2004	4/21/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/7/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(10)	2.7 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-115	10/5/2004	4/21/2009	6/2/2010	4/29/2011	4/24/2012	4/29/2013	5/7/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	1.3	2.5/1.8	1.9	1.7	2	2.1	1.1	1.1	0.74 J	0.64 J
1,2-Dichloroethane	ND(1.0)	ND(1.0)/ND(1.0)	0.44 J	0.46 J	ND(1.0)	0.6 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)/ND(5.0)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(10)	ND(10)
Benzene	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	3.6	8.7/5.6	7.2	7	7.4	10.1	2.5	3.2	1.7	1.6
Ethylbenzene	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	14	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.31 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-11	10/7/2004	4/23/2009	6/2/2010	4/29/2011	4/24/2012	4/29/2013	5/9/2014	4/21/2015	4/13/2016	4/12/2017
1,1,1-Trichloroethane	54.3	45.5	37.7	28.1	24.4	28	17.6	20.1	14	14
1,1-Dichloroethane	73.7	76.2	79.3	63.4	63.3	77.7	54.4	57.7	48	54
1,2-Dichloroethane	1.8	1.6	1.3	1.2	1.3	1.5	1.1	1.1	0.98 J	1.2 J
Acetone	ND(10)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)	ND(17)	ND(25)
Benzene	0.55 J	0.7 J	0.71 J	0.61 J	0.59	0.7	ND(0.5)	0.39 J	ND(1.7)	ND(2.5)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.7)	ND(2.5)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.7)	ND(2.5)
cis-1,2-Dichloroethene	62.3	55.5	59.2	50.7	44.2	57.5	33.3	32.1	28	27
Ethylbenzene	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)	ND(1.7)	ND(2.5)
Toluene	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1.7)	ND(2.5)
trans-1,2-Dichloroethene	2	2.4	2.4	1.9	1.6	2.1	0.88 J	1.1	0.74 J	0.91 J
Trichloroethene	186	122	101	95.9	75.6	88.9	36.9	45.9	44	42
Vinyl chloride	2.2	5	5.2	6.1	4.1	6.2	2.8	3.6	2.1	4
Xylenes [total]	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3.3)	ND(5)

EAGON & ASSOCIATES, INC.

LEGEND

- PROPERTY BOUNDARY
- PIPE AND MEDIA DRAIN
- CHAIN LINK FENCE
- MONITORING WELL
- PIEZOMETER
- WET WELL
- ACCESS MANHOLE

WELL DESIGNATION

SAMPLING DATE

MW-224	10/7/2004	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)
Benzene	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)

SSIPL COMPOUNDS

CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

CONCENTRATION CODES

- J ESTIMATED VALUE
- - NOT ANALYZED
- ND( ) THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES
- µg/L MICROGRAMS PER LITER
- [5.9/6.3] ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

0 50 100

GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPILED BY: MAM	PLATE TITLE: WATER QUALITY DATA RESULTS, WATER TABLE UNIT, 2004 & 2009-2017	
DRAWN BY: MAM	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE *DEERFIELD, OHIO*	
CHECKED BY: ADG	PREPARED BY: EAGON & ASSOCIATES, INC.	PLATE NUMBER: 1
APPROVED BY: MTG		
DATE: 4/28/17		

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MW-207	10/7/2004	4/24/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/9/2014	4/21/2015	4/12/2016	4/12/2017
1,1,1-Trichloroethane	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)/ND(10)	ND(5.0)	ND(5.0)/ND(5.0)	ND(10)/ND(10)	ND(5.0)	ND(5.0)/ND(5.0)	ND(5.0)	ND(10)	ND(10)	ND(10)
Benzene	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	0.56 J/0.57 J	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(0.5)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	6.7/6.2	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	1.6/1.5	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-220	10/5/2004	4/21/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/6/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)	13.8	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(10)	4.1 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-209	10/4/2004	4/20/2009	6/2/2010	4/29/2011	4/24/2012	4/30/2013	5/6/2014	4/21/2015	4/13/2016	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Acetone	3.2 J	14.4	9.6/9.1	ND(10)	ND(5.0)/ND(5.0)	12.8	9.3/10	5.1	5.1 /	5.6 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(0.5)/ND(0.5)	ND(0.5)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(0.5)/ND(0.5)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	0.39 J	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(1.0)/ND(1.0)	ND(1.0)	ND(2.0)	ND(2.0)

MW-224	10/7/2004	4/24/2009	6/3/2010	4/29/2011	4/24/2012	4/30/2013	5/9/2014	4/21/2015	4/12/2016	4/12/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(10) / ND(10)	ND(10)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(0.5)	ND(1.0) / ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) / ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0) / ND(2.0)	ND(2.0)

EAGON & ASSOCIATES, INC.

LEGEND

- PROPERTY BOUNDARY
- PIPE AND MEDIA DRAIN
- CHAIN LINK FENCE
- MONITORING WELL
- PIEZOMETER
- WET WELL
- ACCESS MANHOLE

WELL DESIGNATION

SAMPLING DATE

MW-224	10/7/2004	4/13/2017
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)
Acetone	ND(10)	ND(5.0)
Benzene	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)
Xylenes [total]	ND(1.0)	ND(1.0)

SSIPL COMPOUNDS

CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

CONCENTRATION CODES

J ESTIMATED VALUE

\- NOT ANALYZED

ND( ) THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES

µg/L MICROGRAMS PER LITER

[5.9/6.3] ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

NOTES

1) DATABOXES SHOW 5-YEAR SAMPLING EVENT RESULTS PLUS ANY ANNUAL SSIPL RESULTS SINCE 2009.

2) LAST 5-YEAR SAMPLING EVENT - 2014.

0 50 100

GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPILED BY: MAM	PLATE TITLE: WATER QUALITY DATA RESULTS, UPPER INTERMEDIATE UNIT, 2004 & 2009-2017
DRAWN BY: MAM	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE *DEERFIELD, OHIO*
CHECKED BY: ADG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	PLATE NUMBER: 2
DATE: 4/28/17	

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