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October 14, 2016

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

RE: April 2016 Annual Monitoring Event 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 report entitled: "April 2016 Annual Monitoring Event Results, Summit National Superfund Site." The report presents the results of groundwater, surface water, and ditch sediment sampling activities performed in April 2016. 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 & Associates, Inc.'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 2016 results demonstrate that no quantified detections and no maximum contaminant level (MCL) concentrations were exceeded for any SSIPL constituent 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 2016 results and annual monitoring activities should continue for 2017 and 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 2017.

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

Sincerely,

Michael T. Gibson, CPG
Project Coordinator
Associate Hydrogeologist

encl.
cc: Pablo Valentin, U.S. EPA
Jeff Sussman, SNFT
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Robert Casselberry, SNFT (e-copy & hardcopy)
Joe Montello, SNFT

APRIL 2016 ANNUAL MONITORING EVENT 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 2016

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INTRODUCTION

This report presents the results from the April 2016 annual monitoring event performed at the Summit National Superfund Site (SNSS; Site) in Deerfield, Ohio. The sampling event was completed April 12 through 13, 2016 by personnel from Eagon and Associates, Inc. (Eagon).

The April 2016 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 annual monitoring event also supported continued monitoring under the October 2014 framework.

Groundwater samples were collected from the 12 wells that make up the annual groundwater monitoring well network. In addition, sediment and surface water samples were collected from the surface water drainage at the southeast corner of the Site located at the confluence ("S&E Ditch") 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). Effective February 10, 2016, TestAmerica replaced Accutest of Dayton, New Jersey as the contract laboratory for the facility. Ohio EPA and U.S. EPA were notified of the change in laboratories in a letter dated February 10, 2016. 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 2016 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, 2016, 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 and total well-depth measurements were collected using a portable electric tape and were recorded to the nearest 0.01 foot (Table 1; Appendix A).

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, a minimum of three standing water column volumes (casing and screen) were evacuated from wells with sufficient recharge rates to ensure that the samples collected were representative of formation water at the time of sampling. Low-yielding wells were purged to dryness prior to sampling. Monitoring wells were purged using dedicated Waterra-brand foot valves and dedicated tubing. The methods and procedures used at each sample point are reflected 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 at each well. All field parameter 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 between sample points. Once sampling was complete, any dedicated equipment (e.g., foot valves and discharge tubing) was placed back down 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 S&E Ditch surface water sample 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), 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 the TestAmerica 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 2016 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). No 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 level (MCL) are detected in the Sentinel wells (off-site downgradient WTU monitoring wells MW-114 and MW-115), SNFT 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 the Ohio EPA approved recommendations presented in October 2014 report for the May 2014 event and the October 2015 report for the

April 2015 event, the April 2016 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. Historical groundwater and surface water quality data collected at the Site are displayed graphically in Appendices D and E respectively. Historical water-levels measured at the site are displayed on Figures 4, 5 and 6. Electronic database files containing all historic water and sediment quality 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 during the post-shutdown period (2004 and 2009-2016) 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 at or above their respective practical quantitation limits (PQLs) were identified in these wells. Only one SSIPL VOC (cis-1,2-Dichloroethene; 1.7 ug/L) was observed above its PQL in the sentinel wells (MW-115) during the April 2016 annual event (Table 2). This result was among the lowest concentrations 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. The April 2016 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 2016 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: Downward concentration trends are observed for all five constituents detected at or above their respective PQLs during the event. Quantified detections were reported for 1,1,1-Trichloroethane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride.

MW-107: Downward concentration steps were observed for all four constituents detected at or above their respective PQLs during the event. Quantified detections were reported for 1,1-Dichloroethane, Ethylbenzene, Toluene, and Xylenes.

MW-108: Concentrations of all six constituents detected at or above their PQLs were lower than recent events going back as far as 2011 in some cases. Quantified detections were reported for 1,1-Dichloroethane, 1,2-Dichloroethane, Benzene, cis-1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride.

MW-111: All four constituents with quantified detections were below recent values with 1,1-Dichloroethane, 1,2-Dichloroethane and Vinyl Chloride showing significant reductions from 2015. The concentration of cis-1,2-Dichloroethene also declined compared to 2015.

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 PQLs in off-site WTU wells MW-4 and MW-114. At MW-115, only one quantified detection was reported: cis-1,2-Dichloroethene. No MCLs were exceeded, no increasing trends are present, and the detection of cis-1,2-Dichloroethane in MW-115 was the lowest concentration observed at the well to date.

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

No SSIPL compounds were detected in the on-Site UIU wells sampled in April 2016, which is consistent with previous monitoring results.

UIU Off-Site Wells (MW-209, W-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, 2016 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 2016 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 groundwater levels were slightly lower in 2016 compared to 2015; however, an overall minor but steady increasing trend in water levels in both the WTU and UIU is observed since 1994. Water-level trends in the WTU also display the expected post-shutdown recovery response beginning in late 2005. In general, observed water levels were near their historic maximums during the event. 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 during the event.

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 the off-site groundwater in any of the groundwater units, either before any remedial action at the Site or since the 11 years of active groundwater pumping operations. On June 10, 2005, CRA submitted a Work Plan for Groundwater Migration Evaluation to Ohio EPA. 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 Site-Specific Indicator Parameter List (SSIPL) events were performed in 2010 through 2013. Another site-wide five-year monitoring event was completed in May 2014 that confirmed that on-site contaminated groundwater is not migrating off-site under the sustained non-pumping conditions. The April 2016 annual sampling results presented herein continue to demonstrate that contaminated groundwater is not migrating off-site. Plates 1 and 2 present a summary of the detected SSIPL VOC concentrations for the shutdown evaluation period of August 2005 through 2016 for 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 2016 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 2016 event indicate that no TCL VOCs or SVOCs were present at concentrations at or above their respective PQLs. The results were consistent with historical results (Appendix E).

Sediment

The sediment samples included several parameters that were detected at or above their respective PQLs, including 2-Methylnapthalene, Acenaphthalene, 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. All of these parameters were detected in April 2016 at concentrations that are consistent with the historical range of concentrations for those parameters. Detections of these compounds are attributed to past coal mining activities in the area.

Table 5 shows the sediment sampling results from the April 2016 event compared with U.S. EPA Regional Screening Levels (RSLs; June 2015). As shown on the table, none of the quantified sediment concentrations, with the exception of benzo[a]pyrene, exceeded their respective RSLs. The benzo[a]pyrene concentration of 40 ug/Kg was within the range of historical results. The value was above the residential RSL of 16 ug/ Kg/L 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 significantly below the mean background soil concentration of 161 ug/L established in the June 1988 Record of Decision.

No VOCs were detected in the sediment samples.

Based on the results of the surface water and sediment samples from the April 2016 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 on June 5, 2013 with the Portage County Recorder. 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 are recorded on the Quarterly Institutional Controls Inspection Report and maintained on-site by the SNFT.

Through submission of this 2016 groundwater monitoring report for the annual monitoring event completed in April 2016, the SNFT certifies that the Institutional Controls are in place and effective.

CONCLUSIONS

The monitoring results from the April 2016 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 2016 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 2016 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 2017 and 2018, as follows:

April-May 2017: Shutdown Wells - SSIPL VOCs
April-May 2018: Shutdown Wells - SSIPL VOCs

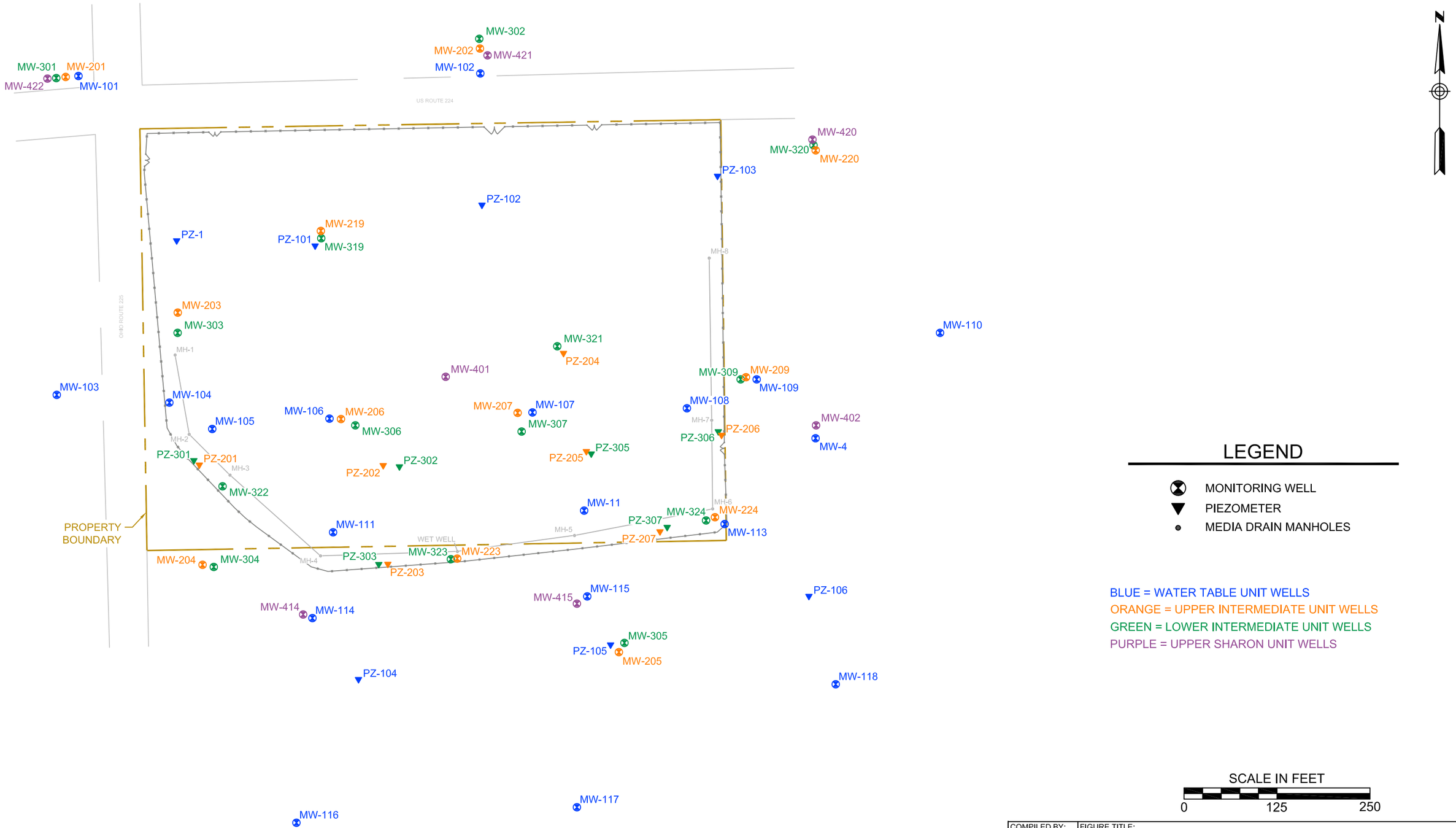
The "shutdown wells" to be monitored through 2018 are as follows:

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



LEGEND

- MONITORING WELL
- PIEZOMETER
- MEDIA DRAIN MANHOLES

BLUE = WATER TABLE UNIT WELLS
ORANGE = UPPER INTERMEDIATE UNIT WELLS
GREEN = LOWER INTERMEDIATE UNIT WELLS
PURPLE = UPPER SHARON UNIT WELLS

SCALE IN FEET
0 125 250

COMPILED BY: NAK/SNB	FIGURE TITLE: SITE MAP
DRAFTED BY: RPH	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 1
DATE: June 2, 2016	

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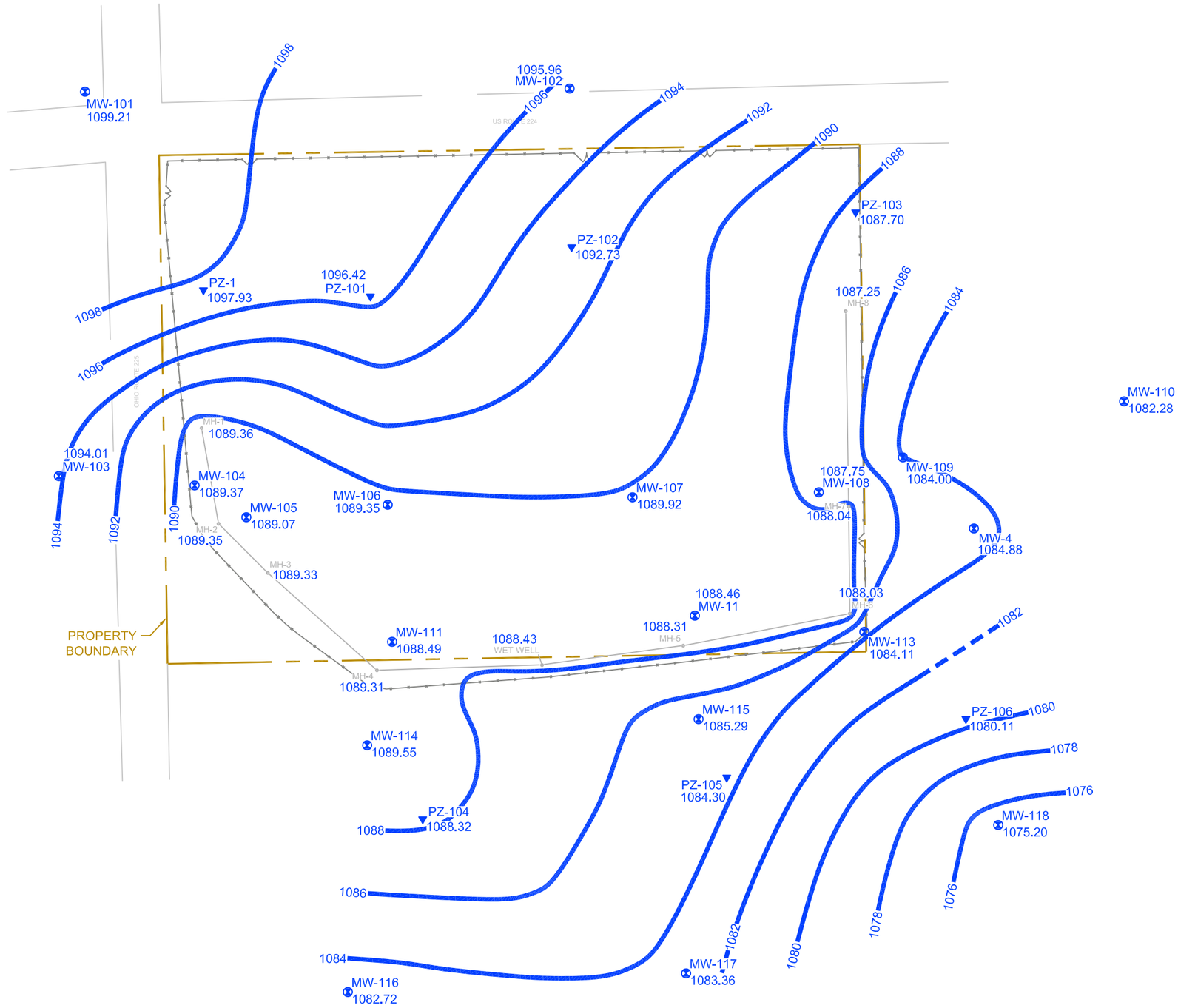

LEGEND

- 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, 2016
DRAFTED BY: RPH	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 2
DATE: June 2, 2016	

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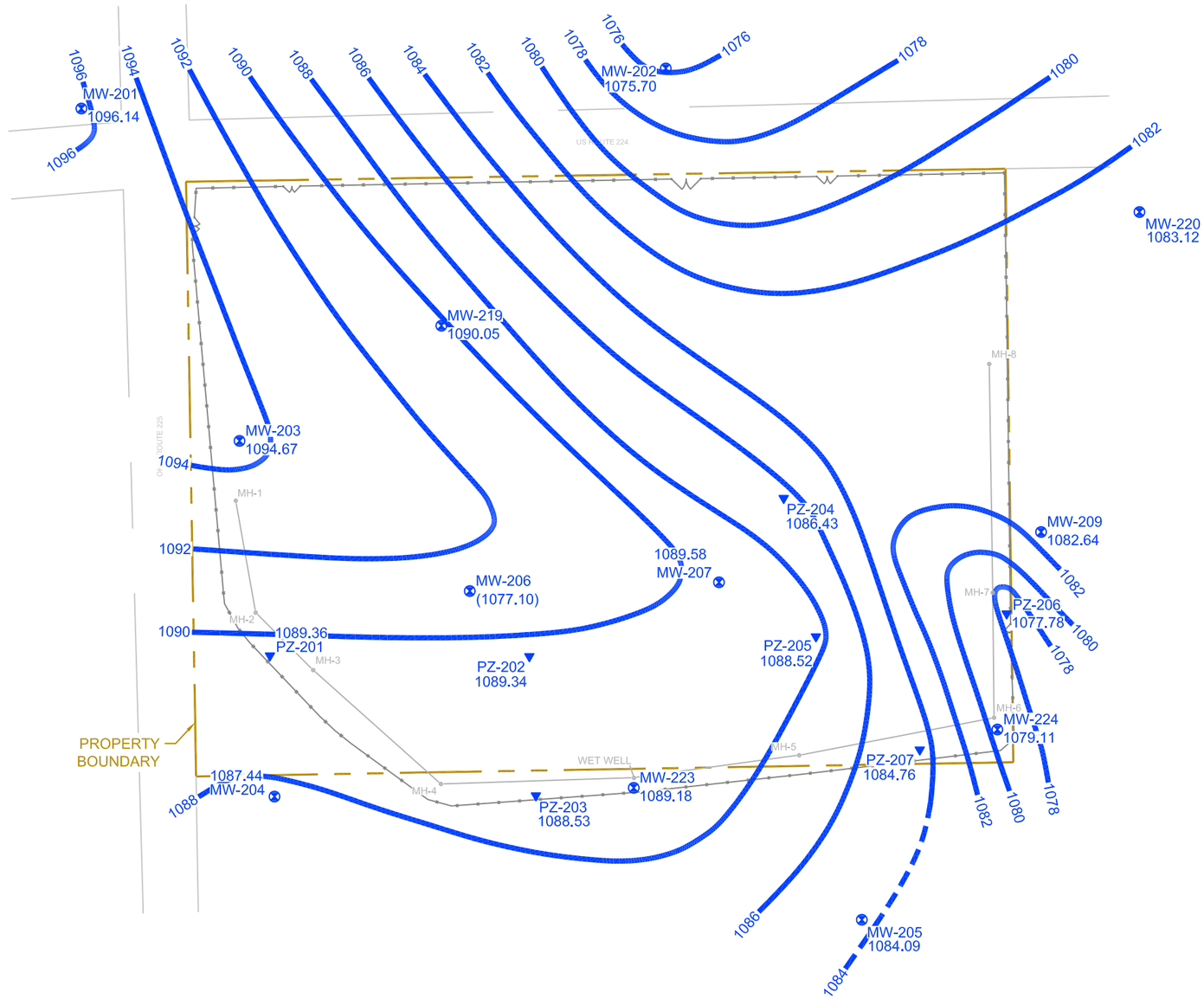

LEGEND

- 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, 2016
DRAFTED BY: RPH	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE
CHECKED BY: MTG	PREPARED BY: EAGON & ASSOCIATES, INC.
APPROVED BY: MTG	FIGURE NUMBER: 3
DATE: June 2, 2016	

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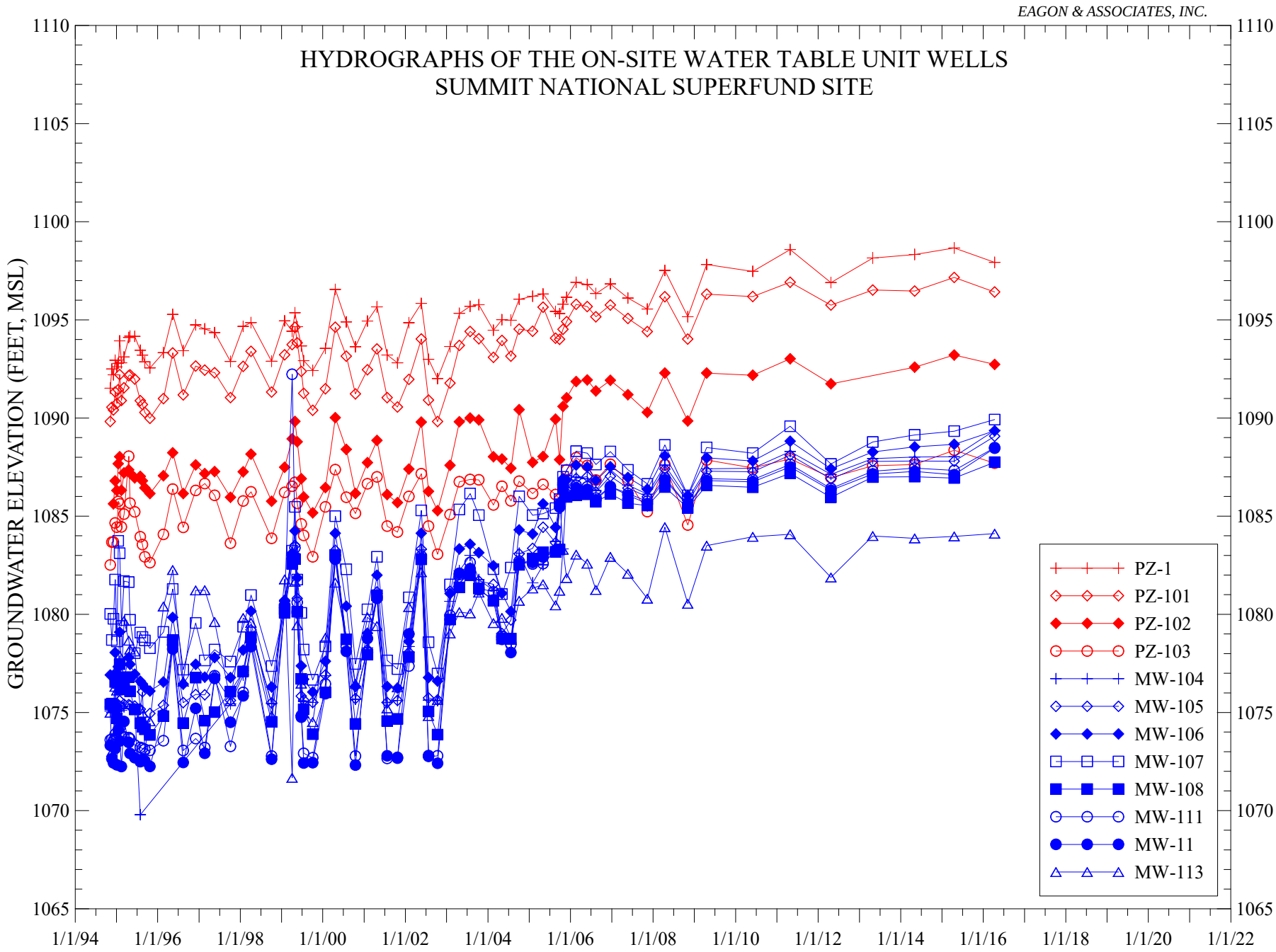
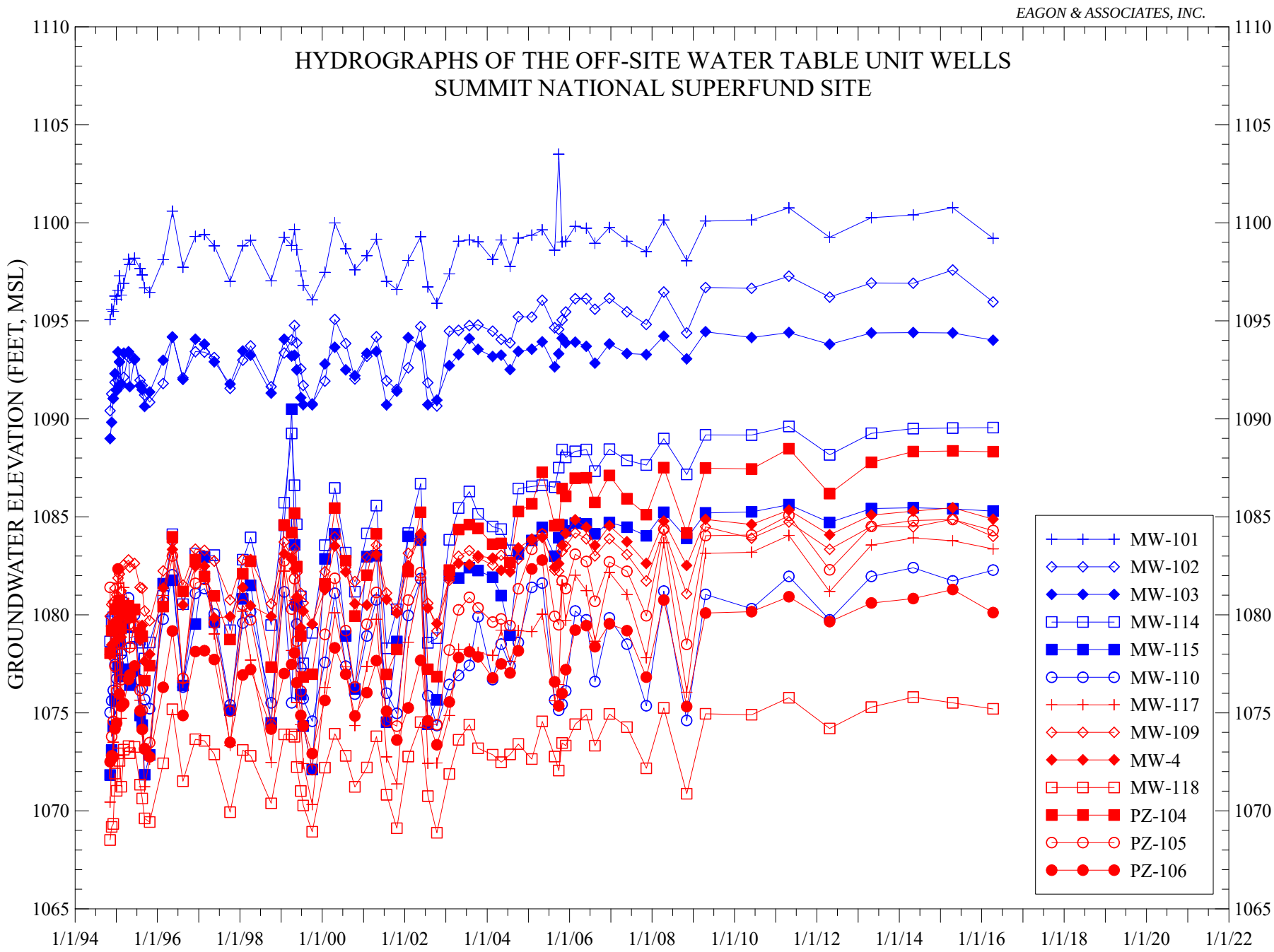


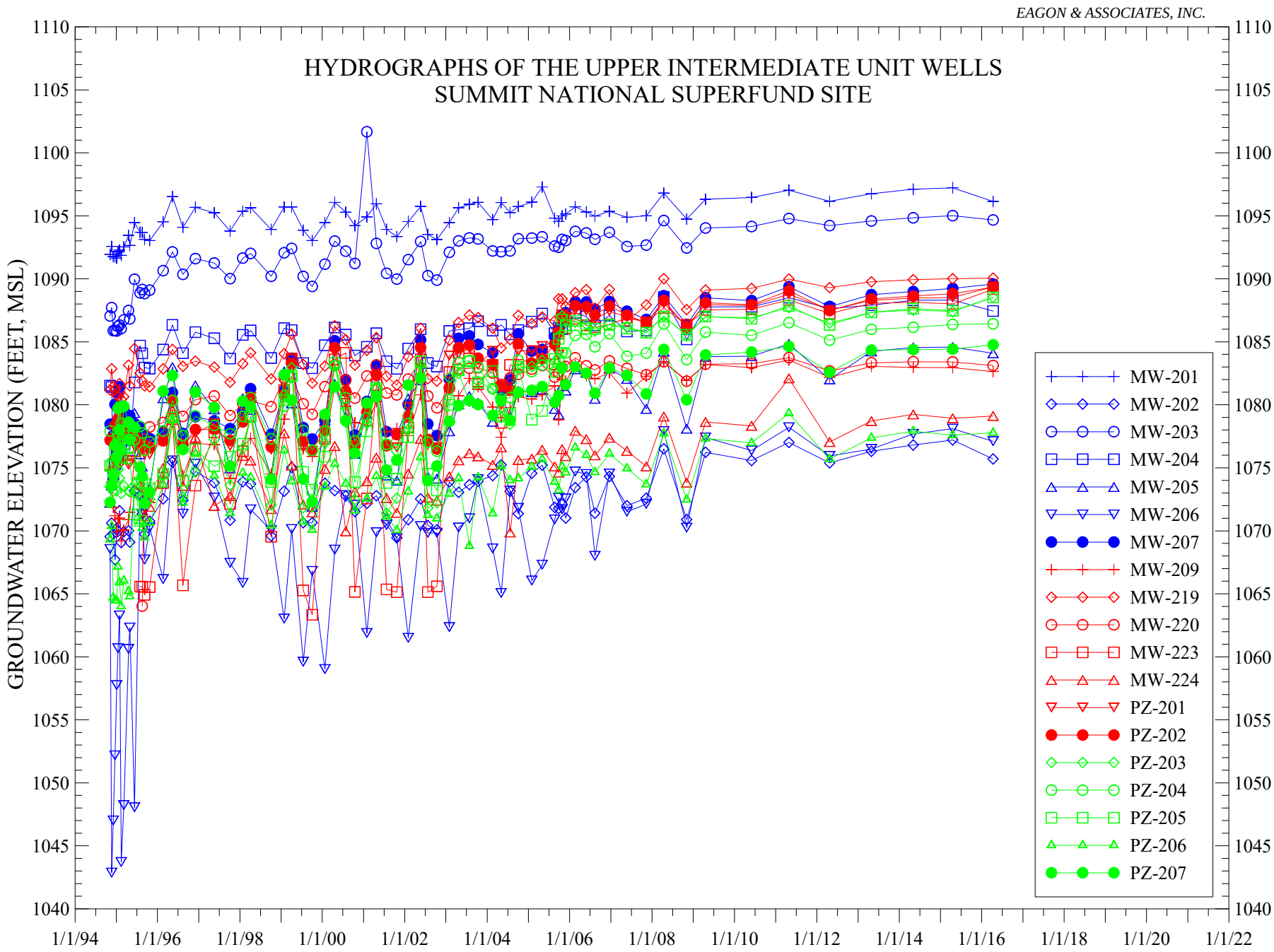
WTUhydsOnSite.GRF
9/22/16

FIGURE 4.



WTUhydsOffSite.GRF
9/22/16

FIGURE 5.



UIUhyds.GRF
9/22/16

FIGURE 6.

TABLES

TABLE 1. SUMMARY OF WATER-LEVEL MEASUREMENTS
SUMMIT NATIONAL SUPERFUND SITE
APRIL 12, 2016

Measured By: A. Graham / N. Karow / S. Robertson Date: 4/12/16

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	1053	6.21	1084.88	24.60	
MW-11	1095.93	0950	7.47	1088.46	26.45	
MW-101	1107.57	1020	8.36	1099.21	--	
MW-102	1100.17	1030	4.21	1095.96	--	
MW-103	1096.22	1017	2.21	1094.01	--	
MW-104	1099.81	1039	10.44	1089.37	--	
MW-105	1101.32	1031	12.25	1089.07	--	
MW-106	1102.88	1011	13.53	1089.35	--	
MW-107	1098.27	1001	8.35	1089.92	31.00	
MW-108	1091.96	0930	4.21	1087.75	18.47	
MW-109	1087.42	1056	3.42	1084.00	--	
MW-110	1086.87	1105	4.59	1082.28	--	
MW-111	1099.67	1021	11.18	1088.49	29.34	
MW-113	1088.46	0938	4.35	1084.11	16.45	
MW-114	1097.27	1009	7.72	1089.55	21.36	
MW-115	1101.83	0950	16.54	1085.29	40.92	
MW-116	1105.54	0938	22.82	1082.72	--	
MW-117	1123.97	0943	40.61	1083.36	--	
MW-118	1098.38	1046	23.18	1075.20	--	
PZ-1	1104.43	1043	6.50	1097.93	--	
PZ-101	1108.53	1047	12.11	1096.42	--	
PZ-102	1100.21	1050	7.48	1092.73	--	
PZ-103	1093.98	0924	6.28	1087.70	--	
PZ-104	1097.54	1005	9.22	1088.32	--	
PZ-105	1101.60	0957	17.30	1084.30	--	
PZ-106	1102.23	1044	22.12	1080.11	--	

TABLE 1. SUMMARY OF WATER-LEVEL MEASUREMENTS
SUMMIT NATIONAL SUPERFUND SITE
APRIL 12, 2016

Measured By: A. Graham / N. Karow / S. Robertson Date: 4/12/16

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	1035	13.42	1089.36	--	
MH-2	1101.04	1030	11.69	1089.35	--	
MH-3	1100.95	1027	11.62	1089.33	--	
MH-4	1100.05	1024	10.74	1089.31	--	
MH-5	1095.68	0953	7.37	1088.31	--	
MH-6	1088.64	0928	0.61	1088.03	--	
MH-7	1089.29	0926	1.25	1088.04	--	
MH-8	1089.23	0937	1.98	1087.25	--	
Wet Well	1098.86	1015	10.43	1088.43	--	
Upper Intermediate Unit (UIU) Monitoring Wells and Piezometers						
MW-201	1107.52	1022	11.38	1096.14	--	
MW-202	1099.50	1032	23.80	1075.70	--	
MW-203	1103.35	1041	8.68	1094.67	--	
MW-204	1098.01	1012	10.57	1087.44	--	
MW-205	1100.90	0959	16.81	1084.09	--	
MW-206	1103.22	1009	26.12	1077.10	--	
MW-207	1098.51	1003	8.93	1089.58	49.83	
MW-209	1087.66	1058	5.02	1082.64	37.71	
MW-219	1108.24	1045	18.19	1090.05	--	
MW-220	1090.92	1122	7.80	1083.12	37.70	
MW-223	1098.37	1016	9.19	1089.18	--	
MW-224	1089.41	1055	10.30	1079.11	36.61	
PZ-201	1099.74	1029	10.38	1089.36	--	
PZ-202	1101.56	1013	12.22	1089.34	--	
PZ-203	1098.31	1019	9.78	1088.53	--	
PZ-204	1095.41	0958	8.98	1086.43	--	
PZ-205	1096.63	0955	8.11	1088.52	--	
PZ-206	1088.05	0934	10.27	1077.78	--	
PZ-207	1091.36	0946	6.60	1084.76	--	

TABLE 2.
WATER-QUALITY DATA SUMMARY, APRIL 2016
GROUNDWATER MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE

Parameter	MW-4 4/13/2016	MW-11 4/12/2016	MW-107 4/13/2016	MW-108 4/13/2016	MW-108 (DUP) 4/13/2016	MW-111 4/12/2016	MW-113 4/13/2016	MW-114 4/13/2016	MW-115 4/13/2016	MW-207 4/12/2016	MW-209 4/13/2016	MW-220 4/13/2016	MW-224 4/12/2016	MW-224 (DUP) 4/12/2016	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**	< 130	< 10	<10	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	**48**	**1200**	**310**	**280**	**17**	< 1	< 1	0.74 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	0.98 J	54 J	**61**	**60**	**57**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acetone	< 10	< 17	< 1300	< 100	< 100	< 20	< 10	1.9 J	< 10	< 10	5.1 J	< 10	< 10	< 10	< 10	< 10	1.1 J
Benzene	< 1	< 1.7	84 J	**130**	**120**	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1.7	46 J	< 10	< 10	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 1	< 1.7	< 130	< 10	< 10	0.7 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	**28**	41 J	**250**	**220**	**4**	< 1	< 1	**1.7**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	< 1	< 1.7	**1000**	< 10	< 10	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1.7	**3700**	< 10	< 10	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	< 1	0.74 J	< 130	6 J	5.6 J	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	< 1	**44**	< 130	**28**	**27**	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	< 1	**2.1**	< 130	**110**	**95**	**3.2**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylene (total)	< 2	< 3.3	**3200**	< 20	< 20	< 4	< 2	< 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 2016 GROUNDWATER MONITORING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Well ID	Parameter	Units	April 2016 Result	MCL	Exceeds MCL (Yes/No)
Sentinel Wells (WTU)					
MW-114	Acetone	ug/l	1.9 J	--	NA
MW-115	1,1-Dichloroethane	ug/l	0.74 J	--	NA
MW-115	cis-1,2-Dichloroethene	ug/l	1.7	70	No

VOCs - Includes all SSIPL constituents
ND - No VOCs detected

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2016
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/12/2016	Surface Water (DUP) 4/12/2016	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)	1.2 J	1.2 J	0.0	<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	J 1.5
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	0.32 J	0.27 J	16.9	<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.

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2016
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/12/2016	Surface Water (DUP) 4/12/2016	RPD[1]	Field Blank
Semi-Volatile Organic Compounds				
1,2,4-Trichlorobenzene	< 0.89	< 0.89	NC[2]	< 0.89
1,2-Dichlorobenzene	< 0.89	< 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 J	< 1.8 J	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	< 1.8	< 1.8	NC[2]	< 1.8

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.

TABLE 4.
WATER-QUALITY DATA SUMMARY, APRIL 2016
S & E DITCH SURFACE WATER
SUMMIT NATIONAL SUPERFUND SITE

Parameter	Surface Water 4/12/2016	Surface Water (DUP) 4/12/2016	RPD[1]	Field Blank
Semi-Volatile Organic Compounds (Continued)				
Butyl benzyl phthalate	< 0.89	< 0.89	NC[2]	< 0.89
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	< 0.89	< 0.89	NC[2]	< 0.89
Dimethyl phthalate	< 0.89	< 0.89	NC[2]	< 0.89
Di-n-butyl phthalate	< 0.89	< 0.89	NC[2]	< 0.89
Di-n-octyl phthalate	< 0.89	< 0.89	NC[2]	< 0.89
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.

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2016
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/12/2016	S&E Ditch Sediment (DUP) 4/12/2016	RPD[1]	Rinsate Blank	Trip Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Volatile Organic Compounds							
1,1,1-Trichloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	8100000	36000000
1,1,2,2-Tetrachloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	600	2700
1,1,2-Trichloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	1100	5000
1,1-Dichloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	3600	16000
1,1-Dichloroethene	< 5.2	< 5.4	NC[3]	< 1	< 1	230000	1000000
1,2-Dichloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	460	2000
1,2-Dichloroethene (total)	< 10	< 11	NC[3]	< 2	< 2	--	--
1,2-Dichloropropane	< 5.2	< 5.4	NC[3]	< 1	< 1	1000	4400
2-Butanone (MEK)	< 21	< 21	NC[3]	< 10	< 10	27000000	190000000
2-Hexanone	< 21	0.76 J	NC[3]	< 10	< 10	200000	1300000
4-Methyl-2-pentanone(MIBK)	< 21	< 21	NC[3]	< 10	< 10	33000000	140000000
Acetone	< 21	< 21	NC[3]	< 10	J 1.5	61000000	670000000
Benzene	< 5.2	< 5.4	NC[3]	< 1	< 1	1200	5100
Bromodichloromethane	< 5.2	< 5.4	NC[3]	< 1	< 1	290	1300
Bromoform	< 5.2	< 5.4	NC[3]	< 1	< 1	190000	86000
Bromomethane	< 5.2	< 5.4	NC[3]	< 1	< 1	6800	30000
Carbon disulfide	< 5.2	< 5.4	NC[3]	< 1	< 1	770000	3500000
Carbon tetrachloride	< 5.2	< 5.4	NC[3]	< 1	< 1	650	2900
Chlorobenzene	< 5.2	< 5.4	NC[3]	< 1	< 1	280000	1300000
Chloroethane	< 5.2	< 5.4	NC[3]	< 1	< 1	14000000	57000000
Chloroform	0.50 J	0.57 J	13.1	< 1	< 1	320	1400
Chloromethane	< 5.2	< 5.4	NC[3]	< 1	< 1	110000	460000
cis-1,3-Dichloropropene	< 5.2	< 5.4	NC[3]	< 1	< 1	--	--
Dibromochloromethane	< 5.2	< 5.4	NC[3]	< 1	< 1	8300	39000
Ethylbenzene	< 5.2	< 5.4	NC[3]	< 1	< 1	5800	25000
Methylene chloride	< 5.2	< 5.4	NC[3]	< 1	< 1	57000	1000000
Styrene	< 5.2	< 5.4	NC[3]	< 1	< 1	6000000	35000000
Tetrachloroethene	< 5.2	< 5.4	NC[3]	< 1	< 1	24000	100000
Toluene	< 5.2	< 5.4	NC[3]	< 1	< 1	4900000	47000000
trans-1,3-Dichloropropene	< 5.2	< 5.4	NC[3]	< 1	< 1	--	--
Trichloroethene	< 5.2	< 5.4	NC[3]	< 1	< 1	940	6000
Vinyl chloride	< 5.2	< 5.4	NC[3]	< 1	< 1	59	1700
Xylene (total)	< 10	< 11	NC[3]	< 2	< 2	650000	2800000

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); November 2015 (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.

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2016
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/12/2016	S&E Ditch Sediment (DUP) 4/12/2016	RPD[1]	Rinsate Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Semi-Volatile Organic Compounds						
1,2,4-Trichlorobenzene	< 65	< 68	NC[3]	< 0.89	24000	110000
1,2-Dichlorobenzene	< 65	< 68	NC[3]	< 0.89	1800000	9300000
1,3-Dichlorobenzene	< 65	< 68	NC[3]	< 0.89	--	--
1,4-Dichlorobenzene	< 65	< 68	NC[3]	< 0.89	2600	11000
2,2'-oxybis[1-chloropropane]	< 130	< 140	NC[3]	< 0.89	3100000	47000000
2,4,5-Trichlorophenol	< 200	< 200	NC[3]	< 4.5	6300000	82000000
2,4,6-Trichlorophenol	< 200	< 200	NC[3]	< 4.5	49000	210000
2,4-Dichlorophenol	< 200	< 200	NC[3]	< 1.8	190000	2500000
2,4-Dimethylphenol	< 200	< 200	NC[3]	< 1.8	1300000	16000000
2,4-Dinitrophenol	< 430	< 450	NC[3]	< 36	130000	1600000
2,4-Dinitrotoluene	< 260	< 270	NC[3]	< 4.5	1700	7400
2,6-Dinitrotoluene	< 260	< 270	NC[3]	< 4.5	360	1500
2-Chloronaphthalene	< 65	< 68	NC[3]	< 0.89	4800000	60000000
2-Chlorophenol	< 65	< 68	NC[3]	< 0.89	390000	5800000
2-Methylnaphthalene	660 J	500 J	27.6	< 0.18	240000	3000000
2-Methylphenol	< 260	< 270	NC[3]	< 0.89	3200000	41000000
2-Nitroaniline	< 260	< 270	NC[3]	< 1.8	630000	8000000
2-Nitrophenol	< 65	< 68	NC[3]	< 1.8	--	--
3&4-Methylphenol	< 520	< 540	NC[3]	< 1.8	6300000	82000000
3,3'-Dichlorobenzidine	< 130	< 140	NC[3]	< 4.5	1200	5100
3-Nitroaniline	< 260 J	< 270 J	NC[3]	< 1.8	--	--
4,6-Dinitro-2-methylphenol	< 200	< 200	NC[3]	< 4.5	5100	66000
4-Bromophenyl phenyl ether	< 65	< 68	NC[3]	< 1.8	--	--
4-Chloro-3-methyl phenol	< 200	< 200	NC[3]	< 1.8	6300000	82000000
4-Chloroaniline	< 200	< 200	NC[3]	< 1.8	2700	11000
4-Chlorophenyl phenyl ether	< 65	< 68	NC[3]	< 1.8	--	--
4-Nitroaniline	< 260	< 270	NC[3]	< 1.8	27000	110000
4-Nitrophenol	< 430	< 450	NC[3]	< 4.5	--	--
Acenaphthene	**10**	8.7 J	13.9	< 0.18	3600000	45000000
Acenaphthylene	< 8.7	< 9.1	NC[3]	< 0.18	--	--
Anthracene	**12**	**14**	15.4	< 0.18	18000000	230000000
Benzo(a)anthracene	**39**	**39**	0.0	< 0.18	160	2900
Benzo(a)pyrene	**40**	**41**	2.5	< 0.18	16	290
Benzo(b)fluoranthene	**76**	**72**	5.4	< 0.18	160	2900
Benzo(g,h,i)perylene	**130**	**160**	20.7	< 0.18	--	--
Benzo(k)fluoranthene	**20**	**20**	0.0	< 0.18	1600	29000
bis(2-Chloroethoxy)methane	< 130	< 140	NC[3]	< 0.89	190000	2500000
bis(2-Chloroethyl)ether	< 130	< 140	NC[3]	< 0.89	230	1000
bis(2-ethylhexyl)phthalate	33 J	42 J	24.0	< 1.8	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); November 2015 (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.

TABLE 5.
SEDIMENT ANALYSIS DATA SUMMARY, APRIL 2016
S & E DITCH SEDIMENT
SUMMIT NATIONAL SUPERFUND SITE

Parameter	S&E Ditch Sediment 4/12/2016	S&E Ditch Sediment (DUP) 4/12/2016	RPD[1]	Rinsate Blank	USEPA RSLs[2] Resident	USEPA RSLs[2] Industrial
Semi-Volatile Organic Compounds (Continued)						
Butyl benzyl phthalate	52 J	< 95	NC[3]	< 0.89	290000	1200000
Carbazole	< 65	< 68	NC[3]	< 0.89	--	--
Chrysene	**70**	**78**	10.8	< 0.18	16000	290000
Dibenzo(a,h)anthracene	**11**	**13**	16.7	< 0.18	16	290
Dibenzofuran	**140**	**130**	7.4	< 0.89	73000	1000000
Diethyl phthalate	< 91	< 95	NC[3]	< 0.89	51000000	660000000
Dimethyl phthalate	< 91	< 95	NC[3]	< 0.89	--	--
Di-n-butyl phthalate	25 J	23 J	8.3	< 0.89	6300000	82000000
Di-n-octyl phthalate	< 91	< 95	NC[3]	< 0.89	630000	8200000
Fluoranthene	**89**	**120**	29.7	< 0.18	2400000	30000000
Fluorene	**19**	**18**	5.4	< 0.18	2400000	30000000
Hexachlorobenzene	< 8.7	< 9.1	NC[3]	< 0.89	210	960
Hexachlorobutadiene	< 65	< 68	NC[3]	< 0.89	1200	5300
Hexachlorocyclopentadiene	< 430	< 450	NC[3]	< 8.9	1800	7500
Hexachloroethane	< 65	< 68	NC[3]	< 0.89	1800	8000
Indeno(1,2,3-cd)pyrene	**31**	**34**	9.2	< 0.18	160	2900
Isophorone	< 65	< 68	NC[3]	< 0.89	570000	2400000
Naphthalene	440 J	330 J	28.6	< 0.18	3800	17000
Nitrobenzene	< 130	< 140	NC[3]	< 0.89	5100	22000
N-Nitroso-di-n-propylamine	< 65	< 68	NC[3]	< 0.89	78	330
N-Nitrosodiphenylamine	< 65	< 68	NC[3]	< 0.89	110000	470000
Pentachlorophenol	< 200	< 200	NC[3]	< 36	1000	4000
Phenanthrene	**320**	**380**	17.1	< 0.18	--	--
Phenol	< 65	< 68	NC[3]	< 0.89	19000000	250000000
Pyrene	**110**	**130**	16.7	< 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); November 2015 (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.

APPENDIX A.

LABORATORY ANALYTICAL REPORT AND FIELD FORMS APRIL 2016 GROUNDWATER QUALITY MONITORING EVENT

SAMPLE IDENTIFICATION SUMMARY
APRIL 2016 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Sample ID	Sample Name	Lab ID
Investigative Samples (GW)		
MW-4	GW-041316-NK-015	240-63450-1
MW-11	GW-041216-NK-009	240-63450-2
MW-107	GW-041316-NK-020	240-63450-3
MW-108	GW-041316-NK-017	240-63450-4
MW-111	GW-041216-NK-010	240-63450-5
MW-113	GW-041316-NK-016	240-63450-6
MW-114	GW-041316-NK-021	240-63450-7
MW-115	GW-041316-NK-022	240-63450-8
MW-207	GW-041216-NK-012	240-63450-9
MW-209	GW-041316-NK-014	240-63450-10
MW-220	GW-041316-NK-013	240-63450-11
MW-224	GW-041216-NK-007	240-63450-12
QA/QC Samples (GW)		
Duplicate #1 (MW-224)	GW-041216-NK-008	240-63450-13
Duplicate #2 (MW-108)	GW-041316-NK-018	240-63450-14
MS (MW-114)	GW-041316-NK-021-MS	240-63450-7 MS
MSD (MW-114)	GW-041316-NK-021-MSD	240-63450-7 MSD
Rinse Blank #1	RB-041216-NK-011	240-63450-15
Rinse Blank #2	RB-041316-NK-019	240-63450-16
Purge/Decon Water	Purge/Decon Water	240-63447-1
Investigative Sample (Ditch)		
S&E Ditch Sediment	SD-041216-AG-004	240-63453-1
QA/QC Samples (Ditch)		
S&E Ditch Sediment (DUP)	SD-041216-AG-005	240-63453-2
S&E Ditch Sediment (RB)	RB-041216-AG-006	240-63453-3
S&E Ditch Sediment (MS)	SD-041216-AG-004-MS	240-63453-1 MS
S&E Ditch Sediment (MSD)	SD-041216-AG-004-MSD	240-63453-1 MSD
Investigative Sample (Surface Water)		
Surface Water	SW-041216-AG-001	240-63452-1
QA/QC Samples (Surface Water)		
Surface Water (DUP)	SW-041216-AG-002	240-63452-2
Surface Water (FB)	FB-041216-AG-003	240-63452-3
Surface Water (MS)	SW-041216-AG-001-MS	240-63452-1 MS
Surface Water (MSD)	SW-041216-AG-001-MSD	240-63452-1 MSD

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: 240-63450-1
Client Project/Site: Summit National 2016 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:
4/25/2016 12:30:16 PM

Patrick O'Meara, Manager of Project Management
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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 2016 GW

TestAmerica Job ID: 240-63450-1

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: 240-63450-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2016 GW

Report Number: 240-63450-1

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 4/13/2016 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.3º C and 3.7º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples GW-041316-NK-015 (240-63450-1), GW-041216-NK-009 (240-63450-2), GW-041316-NK-020 (240-63450-3), GW-041316-NK-017 (240-63450-4), GW-041216-NK-010 (240-63450-5), GW-041316-NK-016 (240-63450-6), GW-041316-NK-021 (240-63450-7), GW-041316-NK-022 (240-63450-8), GW-041216-NK-012 (240-63450-9), GW-041316-NK-014 (240-63450-10), GW-041316-NK-013 (240-63450-11), GW-041216-NK-007 (240-63450-12), GW-041216-NK-008 (240-63450-13), GW-041316-NK-018 (240-63450-14), RB-041216-NK-011 (240-63450-15), RB-041316-NK-019 (240-63450-16) and TRIP BLANKS (240-63450-17) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/20/2016 and 04/21/2016.

Samples GW-041216-NK-009 (240-63450-2)[1.67X], GW-041316-NK-020 (240-63450-3)[125X], GW-041316-NK-017 (240-63450-4)[10X], GW-041216-NK-010 (240-63450-5)[2X] and GW-041316-NK-018 (240-63450-14)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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 2016 GW

TestAmerica Job ID: 240-63450-1

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 2016 GW

TestAmerica Job ID: 240-63450-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-63450-1	GW-041316-NK-015	Water	04/13/16 11:30	04/13/16 16:00
240-63450-2	GW-041216-NK-009	Water	04/12/16 17:50	04/13/16 16:00
240-63450-3	GW-041316-NK-020	Water	04/13/16 12:30	04/13/16 16:00
240-63450-4	GW-041316-NK-017	Water	04/13/16 12:05	04/13/16 16:00
240-63450-5	GW-041216-NK-010	Water	04/12/16 18:10	04/13/16 16:00
240-63450-6	GW-041316-NK-016	Water	04/13/16 11:45	04/13/16 16:00
240-63450-7	GW-041316-NK-021	Water	04/13/16 13:40	04/13/16 16:00
240-63450-8	GW-041316-NK-022	Water	04/13/16 13:50	04/13/16 16:00
240-63450-9	GW-041216-NK-012	Water	04/12/16 18:30	04/13/16 16:00
240-63450-10	GW-041316-NK-014	Water	04/13/16 11:20	04/13/16 16:00
240-63450-11	GW-041316-NK-013	Water	04/13/16 11:00	04/13/16 16:00
240-63450-12	GW-041216-NK-007	Water	04/12/16 17:30	04/13/16 16:00
240-63450-13	GW-041216-NK-008	Water	04/12/16 17:30	04/13/16 16:00
240-63450-14	GW-041316-NK-018	Water	04/13/16 12:05	04/13/16 16:00
240-63450-15	RB-041216-NK-011	Water	04/12/16 18:15	04/13/16 16:00
240-63450-16	RB-041316-NK-019	Water	04/13/16 12:20	04/13/16 16:00
240-63450-17	TRIP BLANKS	Water	04/12/16 00:00	04/13/16 16:00

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-015 — Lab Sample ID: 240-63450-1

No Detections.

Client Sample ID: GW-041216-NK-009 — Lab Sample ID: 240-63450-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		1.7	0.73	ug/L	1.67		8260C	Total/NA
1,1-Dichloroethane	48		1.7	0.50	ug/L	1.67		8260C	Total/NA
1,2-Dichloroethane	0.98	J	1.7	0.38	ug/L	1.67		8260C	Total/NA
cis-1,2-Dichloroethene	28		1.7	0.43	ug/L	1.67		8260C	Total/NA
trans-1,2-Dichloroethene	0.74	J	1.7	0.50	ug/L	1.67		8260C	Total/NA
Trichloroethene	44		1.7	0.37	ug/L	1.67		8260C	Total/NA
Vinyl chloride	2.1		1.7	0.48	ug/L	1.67		8260C	Total/NA

Client Sample ID: GW-041316-NK-020 — Lab Sample ID: 240-63450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1200		130	38	ug/L	125		8260C	Total/NA
1,2-Dichloroethane	54	J	130	29	ug/L	125		8260C	Total/NA
Benzene	84	J	130	44	ug/L	125		8260C	Total/NA
Chlorobenzene	46	J	130	31	ug/L	125		8260C	Total/NA
cis-1,2-Dichloroethene	41	J	130	33	ug/L	125		8260C	Total/NA
Ethylbenzene	1000		130	31	ug/L	125		8260C	Total/NA
Toluene	3700		130	29	ug/L	125		8260C	Total/NA
Xylenes, Total	3200		250	65	ug/L	125		8260C	Total/NA

Client Sample ID: GW-041316-NK-017 — Lab Sample ID: 240-63450-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	310		10	3.0	ug/L	10		8260C	Total/NA
1,2-Dichloroethane	61		10	2.3	ug/L	10		8260C	Total/NA
Benzene	130		10	3.5	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	250		10	2.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	6.0	J	10	3.0	ug/L	10		8260C	Total/NA
Trichloroethene	28		10	2.2	ug/L	10		8260C	Total/NA
Vinyl chloride	110		10	2.9	ug/L	10		8260C	Total/NA

Client Sample ID: GW-041216-NK-010 — Lab Sample ID: 240-63450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	17		2.0	0.60	ug/L	2		8260C	Total/NA
1,2-Dichloroethane	57		2.0	0.46	ug/L	2		8260C	Total/NA
Chloroethane	0.70	J	2.0	0.64	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	4.0		2.0	0.52	ug/L	2		8260C	Total/NA
Vinyl chloride	3.2		2.0	0.58	ug/L	2		8260C	Total/NA

Client Sample ID: GW-041316-NK-016 — Lab Sample ID: 240-63450-6

No Detections.

Client Sample ID: GW-041316-NK-021 — Lab Sample ID: 240-63450-7

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-021 (Continued) — Lab Sample ID: 240-63450-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	10	0.94	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041316-NK-022 — Lab Sample ID: 240-63450-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.74	J	1.0	0.30	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.7		1.0	0.26	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041216-NK-012 — Lab Sample ID: 240-63450-9

No Detections.

Client Sample ID: GW-041316-NK-014 — Lab Sample ID: 240-63450-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	10	0.94	ug/L	1		8260C	Total/NA

Client Sample ID: GW-041316-NK-013 — Lab Sample ID: 240-63450-11

No Detections.

Client Sample ID: GW-041216-NK-007 — Lab Sample ID: 240-63450-12

No Detections.

Client Sample ID: GW-041216-NK-008 — Lab Sample ID: 240-63450-13

No Detections.

Client Sample ID: GW-041316-NK-018 — Lab Sample ID: 240-63450-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	280		10	3.0	ug/L	10		8260C	Total/NA
1,2-Dichloroethane	60		10	2.3	ug/L	10		8260C	Total/NA
Benzene	120		10	3.5	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	220		10	2.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	5.6	J	10	3.0	ug/L	10		8260C	Total/NA
Trichloroethene	27		10	2.2	ug/L	10		8260C	Total/NA
Vinyl chloride	95		10	2.9	ug/L	10		8260C	Total/NA

Client Sample ID: RB-041216-NK-011 — Lab Sample ID: 240-63450-15

No Detections.

Client Sample ID: RB-041316-NK-019 — Lab Sample ID: 240-63450-16

No Detections.

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-63450-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.1	J	10	0.94	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-015

Lab Sample ID: 240-63450-1

Date Collected: 04/13/16 11:30
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/20/16 20:12	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/20/16 20:12	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/20/16 20:12	1
Acetone	ND		10	0.94	ug/L			04/20/16 20:12	1
Benzene	ND		1.0	0.35	ug/L			04/20/16 20:12	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/20/16 20:12	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/16 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/20/16 20:12	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/20/16 20:12	1
Toluene	ND		1.0	0.23	ug/L			04/20/16 20:12	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/20/16 20:12	1
Trichloroethene	ND		1.0	0.22	ug/L			04/20/16 20:12	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/20/16 20:12	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/20/16 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/20/16 20:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*61 - 120*		*04/20/16 20:12*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/20/16 20:12*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/20/16 20:12*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-009

Lab Sample ID: 240-63450-2

Date Collected: 04/12/16 17:50
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**14**		1.7	0.73	ug/L			04/21/16 11:15	1.67
1,1-Dichloroethane	**48**		1.7	0.50	ug/L			04/21/16 11:15	1.67
1,2-Dichloroethane	**0.98**	**J**	1.7	0.38	ug/L			04/21/16 11:15	1.67
Acetone	ND		17	1.6	ug/L			04/21/16 11:15	1.67
Benzene	ND		1.7	0.58	ug/L			04/21/16 11:15	1.67
Chlorobenzene	ND		1.7	0.42	ug/L			04/21/16 11:15	1.67
Chloroethane	ND		1.7	0.53	ug/L			04/21/16 11:15	1.67
cis-1,2-Dichloroethene	**28**		1.7	0.43	ug/L			04/21/16 11:15	1.67
Ethylbenzene	ND		1.7	0.42	ug/L			04/21/16 11:15	1.67
Toluene	ND		1.7	0.38	ug/L			04/21/16 11:15	1.67
trans-1,2-Dichloroethene	**0.74**	**J**	1.7	0.50	ug/L			04/21/16 11:15	1.67
Trichloroethene	**44**		1.7	0.37	ug/L			04/21/16 11:15	1.67
Vinyl chloride	**2.1**		1.7	0.48	ug/L			04/21/16 11:15	1.67
Xylenes, Total	ND		3.3	0.87	ug/L			04/21/16 11:15	1.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 125*		*04/21/16 11:15*	*1.67*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 11:15*	*1.67*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 11:15*	*1.67*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 11:15*	*1.67*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-020

Lab Sample ID: 240-63450-3

Date Collected: 04/13/16 12:30
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	55	ug/L			04/21/16 11:38	125
1,1-Dichloroethane	**1200**		130	38	ug/L			04/21/16 11:38	125
1,2-Dichloroethane	**54**	**J**	130	29	ug/L			04/21/16 11:38	125
Acetone	ND		1300	120	ug/L			04/21/16 11:38	125
Benzene	**84**	**J**	130	44	ug/L			04/21/16 11:38	125
Chlorobenzene	**46**	**J**	130	31	ug/L			04/21/16 11:38	125
Chloroethane	ND		130	40	ug/L			04/21/16 11:38	125
cis-1,2-Dichloroethene	**41**	**J**	130	33	ug/L			04/21/16 11:38	125
Ethylbenzene	**1000**		130	31	ug/L			04/21/16 11:38	125
Toluene	**3700**		130	29	ug/L			04/21/16 11:38	125
trans-1,2-Dichloroethene	ND		130	38	ug/L			04/21/16 11:38	125
Trichloroethene	ND		130	28	ug/L			04/21/16 11:38	125
Vinyl chloride	ND		130	36	ug/L			04/21/16 11:38	125
Xylenes, Total	**3200**		250	65	ug/L			04/21/16 11:38	125

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/21/16 11:38*	*125*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 11:38*	*125*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 11:38*	*125*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 11:38*	*125*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-017

Lab Sample ID: 240-63450-4

Date Collected: 04/13/16 12:05
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	4.4	ug/L			04/21/16 12:00	10
1,1-Dichloroethane	**310**		10	3.0	ug/L			04/21/16 12:00	10
1,2-Dichloroethane	**61**		10	2.3	ug/L			04/21/16 12:00	10
Acetone	ND		100	9.4	ug/L			04/21/16 12:00	10
Benzene	**130**		10	3.5	ug/L			04/21/16 12:00	10
Chlorobenzene	ND		10	2.5	ug/L			04/21/16 12:00	10
Chloroethane	ND		10	3.2	ug/L			04/21/16 12:00	10
cis-1,2-Dichloroethene	**250**		10	2.6	ug/L			04/21/16 12:00	10
Ethylbenzene	ND		10	2.5	ug/L			04/21/16 12:00	10
Toluene	ND		10	2.3	ug/L			04/21/16 12:00	10
trans-1,2-Dichloroethene	**6.0**	**J**	10	3.0	ug/L			04/21/16 12:00	10
Trichloroethene	**28**		10	2.2	ug/L			04/21/16 12:00	10
Vinyl chloride	**110**		10	2.9	ug/L			04/21/16 12:00	10
Xylenes, Total	ND		20	5.2	ug/L			04/21/16 12:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 12:00*	*10*
4-Bromofluorobenzene (Surr)	*99*		*61 - 120*		*04/21/16 12:00*	*10*
Dibromofluoromethane (Surr)	*103*		*79 - 120*		*04/21/16 12:00*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/21/16 12:00*	*10*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-010

Lab Sample ID: 240-63450-5

Date Collected: 04/12/16 18:10
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	0.88	ug/L			04/21/16 12:23	2
1,1-Dichloroethane	**17**		2.0	0.60	ug/L			04/21/16 12:23	2
1,2-Dichloroethane	**57**		2.0	0.46	ug/L			04/21/16 12:23	2
Acetone	ND		20	1.9	ug/L			04/21/16 12:23	2
Benzene	ND		2.0	0.70	ug/L			04/21/16 12:23	2
Chlorobenzene	ND		2.0	0.50	ug/L			04/21/16 12:23	2
Chloroethane	**0.70**	**J**	2.0	0.64	ug/L			04/21/16 12:23	2
cis-1,2-Dichloroethene	**4.0**		2.0	0.52	ug/L			04/21/16 12:23	2
Ethylbenzene	ND		2.0	0.50	ug/L			04/21/16 12:23	2
Toluene	ND		2.0	0.46	ug/L			04/21/16 12:23	2
trans-1,2-Dichloroethene	ND		2.0	0.60	ug/L			04/21/16 12:23	2
Trichloroethene	ND		2.0	0.44	ug/L			04/21/16 12:23	2
Vinyl chloride	**3.2**		2.0	0.58	ug/L			04/21/16 12:23	2
Xylenes, Total	ND		4.0	1.0	ug/L			04/21/16 12:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/21/16 12:23*	*2*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 12:23*	*2*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 12:23*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 12:23*	*2*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-016

Lab Sample ID: 240-63450-6

Date Collected: 04/13/16 11:45
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 12:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 12:45	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 12:45	1
Acetone	ND		10	0.94	ug/L			04/21/16 12:45	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 12:45	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 12:45	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 12:45	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 12:45	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 12:45	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 12:45	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 12:45	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 125*		*04/21/16 12:45*	*1*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*		*04/21/16 12:45*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 12:45*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/21/16 12:45*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-021

Lab Sample ID: 240-63450-7

Date Collected: 04/13/16 13:40
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 13:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 13:08	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 13:08	1
Acetone	**1.9**	**J**	10	0.94	ug/L			04/21/16 13:08	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 13:08	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 13:08	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 13:08	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 13:08	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 13:08	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 13:08	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 13:08	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/21/16 13:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*61 - 120*		*04/21/16 13:08*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 120*		*04/21/16 13:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 13:08*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-022

Lab Sample ID: 240-63450-8

Date Collected: 04/13/16 13:50
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 13:30	1
1,1-Dichloroethane	**0.74**	**J**	1.0	0.30	ug/L			04/21/16 13:30	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 13:30	1
Acetone	ND		10	0.94	ug/L			04/21/16 13:30	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 13:30	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 13:30	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 13:30	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.26	ug/L			04/21/16 13:30	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 13:30	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 13:30	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 13:30	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 13:30	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 13:30	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 125*		*04/21/16 13:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 13:30*	*1*
Dibromofluoromethane (Surr)	*96*		*79 - 120*		*04/21/16 13:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 13:30*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-012

Lab Sample ID: 240-63450-9

Date Collected: 04/12/16 18:30
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 13:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 13:53	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 13:53	1
Acetone	ND		10	0.94	ug/L			04/21/16 13:53	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 13:53	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 13:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 13:53	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 13:53	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 13:53	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 13:53	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 13:53	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 13:53	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 13:53	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 125*		*04/21/16 13:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 13:53*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 13:53*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 13:53*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-014

Lab Sample ID: 240-63450-10

Date Collected: 04/13/16 11:20
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 14:16	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 14:16	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 14:16	1
Acetone	**5.1**	**J**	10	0.94	ug/L			04/21/16 14:16	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 14:16	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 14:16	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 14:16	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 14:16	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 14:16	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 14:16	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/21/16 14:16*	*1*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 14:16*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 120*		*04/21/16 14:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 14:16*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-013

Lab Sample ID: 240-63450-11

Date Collected: 04/13/16 11:00
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 14:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 14:38	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 14:38	1
Acetone	ND		10	0.94	ug/L			04/21/16 14:38	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 14:38	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 14:38	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 14:38	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 14:38	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 14:38	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 14:38	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 14:38	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 14:38	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 14:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*61 - 120*		*04/21/16 14:38*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 14:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 14:38*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-007

Lab Sample ID: 240-63450-12

Date Collected: 04/12/16 17:30
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 15:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 15:01	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 15:01	1
Acetone	ND		10	0.94	ug/L			04/21/16 15:01	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 15:01	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 15:01	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 15:01	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 15:01	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 15:01	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 15:01	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 15:01	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 125*		*04/21/16 15:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 15:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 15:01*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-008

Lab Sample ID: 240-63450-13

Date Collected: 04/12/16 17:30
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 15:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 15:23	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 15:23	1
Acetone	ND		10	0.94	ug/L			04/21/16 15:23	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 15:23	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 15:23	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 15:23	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 15:23	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 15:23	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 15:23	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 15:23	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 15:23	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 15:23	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 15:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 15:23*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 15:23*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 15:23*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-018

Lab Sample ID: 240-63450-14

Date Collected: 04/13/16 12:05
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	4.4	ug/L			04/21/16 15:46	10
1,1-Dichloroethane	**280**		10	3.0	ug/L			04/21/16 15:46	10
1,2-Dichloroethane	**60**		10	2.3	ug/L			04/21/16 15:46	10
Acetone	ND		100	9.4	ug/L			04/21/16 15:46	10
Benzene	**120**		10	3.5	ug/L			04/21/16 15:46	10
Chlorobenzene	ND		10	2.5	ug/L			04/21/16 15:46	10
Chloroethane	ND		10	3.2	ug/L			04/21/16 15:46	10
cis-1,2-Dichloroethene	**220**		10	2.6	ug/L			04/21/16 15:46	10
Ethylbenzene	ND		10	2.5	ug/L			04/21/16 15:46	10
Toluene	ND		10	2.3	ug/L			04/21/16 15:46	10
trans-1,2-Dichloroethene	**5.6**	**J**	10	3.0	ug/L			04/21/16 15:46	10
Trichloroethene	**27**		10	2.2	ug/L			04/21/16 15:46	10
Vinyl chloride	**95**		10	2.9	ug/L			04/21/16 15:46	10
Xylenes, Total	ND		20	5.2	ug/L			04/21/16 15:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 125*		*04/21/16 15:46*	*10*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 15:46*	*10*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 15:46*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 15:46*	*10*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: RB-041216-NK-011

Lab Sample ID: 240-63450-15

Date Collected: 04/12/16 18:15
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 16:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 16:08	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 16:08	1
Acetone	ND		10	0.94	ug/L			04/21/16 16:08	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 16:08	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 16:08	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 16:08	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 16:08	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 16:08	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 16:08	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 16:08	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 16:08*	*1*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 16:08*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 16:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 16:08*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: RB-041316-NK-019

Lab Sample ID: 240-63450-16

Date Collected: 04/13/16 12:20
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 16:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 16:31	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 16:31	1
Acetone	ND		10	0.94	ug/L			04/21/16 16:31	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 16:31	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 16:31	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 16:31	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 16:31	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 16:31	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 16:31	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 16:31	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 16:31	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 16:31	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 125*		*04/21/16 16:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 16:31*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 120*		*04/21/16 16:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 16:31*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-63450-17

Date Collected: 04/12/16 00:00
Matrix: Water
Date Received: 04/13/16 16:00

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	0.44	ug/L			04/21/16 16:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 16:53	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 16:53	1
Acetone	**1.1**	**J**	10	0.94	ug/L			04/21/16 16:53	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 16:53	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 16:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 16:53	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 16:53	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 16:53	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 16:53	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 16:53	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 16:53	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 16:53	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 125*		*04/21/16 16:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 16:53*	*1*
Dibromofluoromethane (Surr)	*96*		*79 - 120*		*04/21/16 16:53*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 16:53*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

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	(78-125)	(61-120)	(79-120)	(80-120)
240-63450-1	GW-041316-NK-015	97	99	98	96
240-63450-2	GW-041216-NK-009	96	97	99	98
240-63450-3	GW-041316-NK-020	97	97	99	98
240-63450-4	GW-041316-NK-017	99	99	103	93
240-63450-5	GW-041216-NK-010	97	96	98	98
240-63450-6	GW-041316-NK-016	96	98	99	95
240-63450-7	GW-041316-NK-021	97	95	97	97
240-63450-7 MS	GW-041316-NK-021	99	100	102	98
240-63450-7 MSD	GW-041316-NK-021	98	99	101	98
240-63450-8	GW-041316-NK-022	98	96	96	98
240-63450-9	GW-041216-NK-012	98	96	98	97
240-63450-10	GW-041316-NK-014	97	96	97	98
240-63450-11	GW-041316-NK-013	99	95	98	98
240-63450-12	GW-041216-NK-007	98	97	99	98
240-63450-13	GW-041216-NK-008	99	97	98	98
240-63450-14	GW-041316-NK-018	96	97	98	97
240-63450-15	RB-041216-NK-011	99	97	99	97
240-63450-16	RB-041316-NK-019	100	97	100	98
240-63450-17	TRIP BLANKS	98	96	96	97
LCS 240-226752/4	Lab Control Sample	94	98	101	96
LCS 240-226933/4	Lab Control Sample	95	98	101	99
MB 240-226752/6	Method Blank	96	98	98	97
MB 240-226933/6	Method Blank	95	96	100	96

Surrogate Legend

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

QC Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

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

Lab Sample ID: MB 240-226752/6
Matrix: Water
Analysis Batch: 226752

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	0.44	ug/L			04/20/16 11:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/20/16 11:33	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/20/16 11:33	1
Acetone	ND		10	0.94	ug/L			04/20/16 11:33	1
Benzene	ND		1.0	0.35	ug/L			04/20/16 11:33	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/20/16 11:33	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/16 11:33	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/20/16 11:33	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/20/16 11:33	1
Toluene	ND		1.0	0.23	ug/L			04/20/16 11:33	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/20/16 11:33	1
Trichloroethene	ND		1.0	0.22	ug/L			04/20/16 11:33	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/20/16 11:33	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/20/16 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 125*		*04/20/16 11:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*		*04/20/16 11:33*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/20/16 11:33*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/20/16 11:33*	*1*

Lab Sample ID: LCS 240-226752/4
Matrix: Water
Analysis Batch: 226752

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	10.0	10.7		ug/L		107	77 - 123
1,1-Dichloroethane	10.0	9.95		ug/L		100	79 - 125
1,2-Dichloroethane	10.0	9.85		ug/L		98	80 - 120
Acetone	20.0	15.4		ug/L		77	34 - 148
Benzene	10.0	10.0		ug/L		100	80 - 120
Chlorobenzene	10.0	9.85		ug/L		99	80 - 120
Chloroethane	10.0	9.83		ug/L		98	36 - 126
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	79 - 120
Ethylbenzene	10.0	10.2		ug/L		102	80 - 120
Toluene	10.0	9.63		ug/L		96	80 - 120
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	80 - 124
Trichloroethene	10.0	10.5		ug/L		105	80 - 121
Vinyl chloride	10.0	9.55		ug/L		95	52 - 121
Xylenes, Total	20.0	19.9		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*78 - 125*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 240-226933/6
Matrix: Water
Analysis Batch: 226933

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	0.44	ug/L			04/21/16 10:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 10:53	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 10:53	1
Acetone	ND		10	0.94	ug/L			04/21/16 10:53	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 10:53	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 10:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 10:53	1
cis-1,2-Dichloroethene	ND		1.0	0.26	ug/L			04/21/16 10:53	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 10:53	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/21/16 10:53	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 10:53	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 10:53	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 125*		*04/21/16 10:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 10:53*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 120*		*04/21/16 10:53*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/21/16 10:53*	*1*

Lab Sample ID: LCS 240-226933/4
Matrix: Water
Analysis Batch: 226933

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	10.0	10.4		ug/L		104	77 - 123
1,1-Dichloroethane	10.0	9.50		ug/L		95	79 - 125
1,2-Dichloroethane	10.0	9.78		ug/L		98	80 - 120
Acetone	20.0	15.1		ug/L		75	34 - 148
Benzene	10.0	9.79		ug/L		98	80 - 120
Chlorobenzene	10.0	9.62		ug/L		96	80 - 120
Chloroethane	10.0	9.91		ug/L		99	36 - 126
cis-1,2-Dichloroethene	10.0	9.95		ug/L		99	79 - 120
Ethylbenzene	10.0	9.83		ug/L		98	80 - 120
Toluene	10.0	9.60		ug/L		96	80 - 120
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	80 - 124
Trichloroethene	10.0	10.5		ug/L		105	80 - 121
Vinyl chloride	10.0	9.22		ug/L		92	52 - 121
Xylenes, Total	20.0	19.2		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 125*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 240-63450-7 MS
Matrix: Water
Analysis Batch: 226933

Client Sample ID: GW-041316-NK-021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		10.0	9.57		ug/L		96	69 - 122
1,1-Dichloroethane	ND		10.0	9.11		ug/L		91	73 - 124
1,2-Dichloroethane	ND		10.0	9.80		ug/L		98	74 - 125
Acetone	1.9	J	20.0	17.3		ug/L		77	32 - 126
Benzene	ND		10.0	9.35		ug/L		93	73 - 121
Chlorobenzene	ND		10.0	9.19		ug/L		92	72 - 120
Chloroethane	ND		10.0	9.36		ug/L		94	27 - 131
cis-1,2-Dichloroethene	ND		10.0	9.67		ug/L		97	66 - 124
Ethylbenzene	ND		10.0	9.31		ug/L		93	68 - 121
Toluene	ND		10.0	9.03		ug/L		90	72 - 122
trans-1,2-Dichloroethene	ND		10.0	10.1		ug/L		101	72 - 125
Trichloroethene	ND		10.0	9.92		ug/L		99	61 - 129
Vinyl chloride	ND		10.0	8.90		ug/L		89	44 - 122
Xylenes, Total	ND		20.0	18.4		ug/L		92	67 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*
4-Bromofluorobenzene (Surr)	*100*		*61 - 120*
Dibromofluoromethane (Surr)	*102*		*79 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 240-63450-7 MSD
Matrix: Water
Analysis Batch: 226933

Client Sample ID: GW-041316-NK-021
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		10.0	9.35		ug/L		93	69 - 122	2	14
1,1-Dichloroethane	ND		10.0	8.88		ug/L		89	73 - 124	3	14
1,2-Dichloroethane	ND		10.0	9.53		ug/L		95	74 - 125	3	24
Acetone	1.9	J	20.0	17.3		ug/L		77	32 - 126	0	28
Benzene	ND		10.0	9.24		ug/L		92	73 - 121	1	13
Chlorobenzene	ND		10.0	9.21		ug/L		92	72 - 120	0	15
Chloroethane	ND		10.0	9.80		ug/L		98	27 - 131	5	35
cis-1,2-Dichloroethene	ND		10.0	9.46		ug/L		95	66 - 124	2	22
Ethylbenzene	ND		10.0	9.18		ug/L		92	68 - 121	1	16
Toluene	ND		10.0	8.99		ug/L		90	72 - 122	0	15
trans-1,2-Dichloroethene	ND		10.0	9.79		ug/L		98	72 - 125	3	25
Trichloroethene	ND		10.0	9.89		ug/L		99	61 - 129	0	14
Vinyl chloride	ND		10.0	9.13		ug/L		91	44 - 122	2	35
Xylenes, Total	ND		20.0	18.2		ug/L		91	67 - 122	1	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 125*
4-Bromofluorobenzene (Surr)	*99*		*61 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

GC/MS VOA

Analysis Batch: 226752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63450-1	GW-041316-NK-015	Total/NA	Water	8260C	
LCS 240-226752/4	Lab Control Sample	Total/NA	Water	8260C	
MB 240-226752/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 226933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63450-2	GW-041216-NK-009	Total/NA	Water	8260C	
240-63450-3	GW-041316-NK-020	Total/NA	Water	8260C	
240-63450-4	GW-041316-NK-017	Total/NA	Water	8260C	
240-63450-5	GW-041216-NK-010	Total/NA	Water	8260C	
240-63450-6	GW-041316-NK-016	Total/NA	Water	8260C	
240-63450-7	GW-041316-NK-021	Total/NA	Water	8260C	
240-63450-7 MS	GW-041316-NK-021	Total/NA	Water	8260C	
240-63450-7 MSD	GW-041316-NK-021	Total/NA	Water	8260C	
240-63450-8	GW-041316-NK-022	Total/NA	Water	8260C	
240-63450-9	GW-041216-NK-012	Total/NA	Water	8260C	
240-63450-10	GW-041316-NK-014	Total/NA	Water	8260C	
240-63450-11	GW-041316-NK-013	Total/NA	Water	8260C	
240-63450-12	GW-041216-NK-007	Total/NA	Water	8260C	
240-63450-13	GW-041216-NK-008	Total/NA	Water	8260C	
240-63450-14	GW-041316-NK-018	Total/NA	Water	8260C	
240-63450-15	RB-041216-NK-011	Total/NA	Water	8260C	
240-63450-16	RB-041316-NK-019	Total/NA	Water	8260C	
240-63450-17	TRIP BLANKS	Total/NA	Water	8260C	
LCS 240-226933/4	Lab Control Sample	Total/NA	Water	8260C	
MB 240-226933/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-015 — Lab Sample ID: 240-63450-1

Date Collected: 04/13/16 11:30 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226752	04/20/16 20:12	LEE	TAL CAN

Client Sample ID: GW-041216-NK-009 — Lab Sample ID: 240-63450-2

Date Collected: 04/12/16 17:50 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.67	226933	04/21/16 11:15	LEE	TAL CAN

Client Sample ID: GW-041316-NK-020 — Lab Sample ID: 240-63450-3

Date Collected: 04/13/16 12:30 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		125	226933	04/21/16 11:38	LEE	TAL CAN

Client Sample ID: GW-041316-NK-017 — Lab Sample ID: 240-63450-4

Date Collected: 04/13/16 12:05 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	226933	04/21/16 12:00	LEE	TAL CAN

Client Sample ID: GW-041216-NK-010 — Lab Sample ID: 240-63450-5

Date Collected: 04/12/16 18:10 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	226933	04/21/16 12:23	LEE	TAL CAN

Client Sample ID: GW-041316-NK-016 — Lab Sample ID: 240-63450-6

Date Collected: 04/13/16 11:45 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 12:45	LEE	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041316-NK-021 — Lab Sample ID: 240-63450-7

Date Collected: 04/13/16 13:40 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 13:08	LEE	TAL CAN

Client Sample ID: GW-041316-NK-022 — Lab Sample ID: 240-63450-8

Date Collected: 04/13/16 13:50 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 13:30	LEE	TAL CAN

Client Sample ID: GW-041216-NK-012 — Lab Sample ID: 240-63450-9

Date Collected: 04/12/16 18:30 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 13:53	LEE	TAL CAN

Client Sample ID: GW-041316-NK-014 — Lab Sample ID: 240-63450-10

Date Collected: 04/13/16 11:20 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 14:16	LEE	TAL CAN

Client Sample ID: GW-041316-NK-013 — Lab Sample ID: 240-63450-11

Date Collected: 04/13/16 11:00 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 14:38	LEE	TAL CAN

Client Sample ID: GW-041216-NK-007 — Lab Sample ID: 240-63450-12

Date Collected: 04/12/16 17:30 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 15:01	LEE	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Client Sample ID: GW-041216-NK-008 — Lab Sample ID: 240-63450-13

Date Collected: 04/12/16 17:30 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 15:23	LEE	TAL CAN

Client Sample ID: GW-041316-NK-018 — Lab Sample ID: 240-63450-14

Date Collected: 04/13/16 12:05 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	226933	04/21/16 15:46	LEE	TAL CAN

Client Sample ID: RB-041216-NK-011 — Lab Sample ID: 240-63450-15

Date Collected: 04/12/16 18:15 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 16:08	LEE	TAL CAN

Client Sample ID: RB-041316-NK-019 — Lab Sample ID: 240-63450-16

Date Collected: 04/13/16 12:20 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 16:31	LEE	TAL CAN

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-63450-17

Date Collected: 04/12/16 00:00 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 16:53	LEE	TAL CAN

Laboratory References:

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

Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 GW

TestAmerica Job ID: 240-63450-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-16 *
Illinois	NELAP	5	200004	07-31-16 *
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-23-17
Kentucky (WW)	State Program	4	98016	12-31-16
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-16
Nevada	State Program	9	OH-000482008A	07-31-16 *
New Jersey	NELAP	2	OH001	06-30-16 *
New York	NELAP	2	10975	03-31-17
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-17
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-17
West Virginia DEP	State Program	3	210	12-31-16
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-63450 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAm
THE LEADER IN ENVIRO

Columbus
240507

Client Information	Sampler: NICK A KAROW	Lab PM: O'Meara, Patrick J	Carrier Tracking No(s):	COC No: 240-33811-14692.2
Client Contact: Mr. Andy Graham	Phone: (614) 888-5760	E-Mail: patrick.omeara@testamericainc.com		Page: Page 2 of 2
Company: Eagon & Associates, Inc.				Job #:
Address: 100 Old Wilson Bridge Road Suite 115	Due Date Requested: STANDARD			
City: Worthington	TAT Requested (days): STANDARD			
State, Zip: OH, 43085				
Phone: 614-888-5760(Tel) 614-888-5763(Fax)	PO #: Purchase Order not required			
Email: a.graham@eagoninc.com / mgibson@eagoninc.com	WO #:			
Project Name: Summit National 2016 GW	Project #: 24016004			
Site: SUMMIT NATIONAL	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) SSIPL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
GW-041316-NK-015	4/13/16	1130	G	Water	N	N		3	
GW-041216-NK-009	4/12/16	1750	G	Water	N	N		3	
GW-041316-NK-020	4/13/16	1230	G	Water	N	N		3	
GW-041316-NK-017	4/13/16	1205	G	Water	N	N		3	
GW-041216-NK-010	4/12/16	1810	G	Water	N	N		3	
GW-041316-NK-016	4/13/16	1145	G	Water	N	N		3	
GW-041316-NK-021	4/13/16	1340	G	Water	N	Y		3	COLLECTED ADDITIONAL MS/MSD SAMPLES
GW-041316-NK-021-MS	4/13/16	1340	G	Water	N	N		3	MATRIX SPIKE FOR
GW-041316-NK-021-MSD	4/13/16	1340	G	Water	N	N		3	MATRIX SPIKE DUP FOR
GW-041316-NK-022	4/13/16	1350	G	Water	N	N		3	
GW-041216-NK-012	4/12/16	1830	G	Water	N	N		3	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Sean Robertson / Sean Robert	4/13/16 / 1600	Eagon	[illegible]	4-13-16 1600	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAm
THE LEADER IN ENVIR

Columbus
240507

Client Information	Sampler: NICK A KAROS	Lab PM: O'Meara, Patrick J	Carrier Tracking No(s):	COC No: 240-33811-14692.1
Client Contact: Mr. Andy Graham	Phone: (614) 888-5760	E-Mail: patrick.omeara@testamericainc.com		Page: Page 1 of 2
Company: Eagon & Associates, Inc.				Job #:
Address: 100 Old Wilson Bridge Road Suite 115	Due Date Requested: STANDARD			
City: Worthington	TAT Requested (days): STANDARD			
State, Zip: OH, 43085				
Phone: 614-888-5760(Tel) 614-888-5763(Fax)	PO #: Purchase Order not required			
Email: a.graham@eagoninc.com / mgibson@eagoninc.com	WO #:			
Project Name: Summit National 2016 GW	Project #: 24016004			
Site: SUMMIT NATIONAL	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) SSIPL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
GW-041316-NK-014	4/13/16	1120	G	Water	N		X	3	
GW-041316-NK-013	4/13/16	1100	G	Water	N		X	3	
GW-041216-NK-007	4/12/16	1730	G	Water	N		X	3	
GW-041216-NK-008	4/12/16	1730	G	Water	N		X	3	
GW-041316-NK-018	4/13/16	1205	G	Water	N		X	3	
RB-041216-NK-011	4/12/16	1815	G	Water	N		X	3	
RB-041316-NK-019	4/13/16	1220	G	Water	N		X	3	
				Water					
				Water					
TRIP BLANKS	—	—	—	Water	N	N	X	6	
				Water					

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sean Robertson / Sean Robertson	4/13/16 / 1600	Eagon	[illegible]	4-13-16 16:00	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative Login # 67450
Canton Facility

Client Eagon + Assoc Site Name Cooler unpacked by: Cherry Burns

Cooler Received on 4/13/16 Opened on 4/14/16

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# 48 (CF -1.9 °C) Observed Cooler Temp.____°C Corrected Cooler Temp.____°C
   IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp.____°C Corrected Cooler Temp.____°C
   (IR GUN# 18) (CF -0.5 °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 12-16 have been checked at the originating laboratory.
12. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC559158
13. Were VOAs on the COC? (Yes) No
14. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot# B531501VB (Yes) No
16. Was a LL Hg or Me Hg trip blank present? ____ Yes (No)

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

Concerning ____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES — Samples processed by:

COC = 6X40 trip blanks, rec'd 4X40

18. 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)

19. 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
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI-NC-099X-011816 Cooler Receipt Form.doc djl

TestAmerica Multiple Cooler Receipt Form/Narrative **Login # :** 63450
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Buffalo	8	4.2	3.7	ICE
Columbus	1	1.8	1.3	1
~~[illegible]~~	~~[illegible]~~	~~2.4~~	~~1.9~~	~~[illegible]~~ TB 4/14/16
		~~[illegible]~~	~~[illegible]~~	

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-4

WELL DATA

Water-Level Date (MM DD YY)	041216	**Water-Level Time** (2400 Hr. Clock)	1053	**Purge/Sample Method:**	DRY X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.
Well Elevation (at TOC) (ft/msl)	109109	**Depth to Water (DTW) (from TOC)** (ft)	621	**Groundwater Elevation (site datum, from TOC)** (ft/msl)	108488
Total Well Depth (from TOC) (ft)	2459	Water Column Height (well depth - DTW) (ft)	1838	Casing ID (in)	04

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 — 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

X-Other: ~~Grundfos on 1/2" tubing~~ FOOT VALVE NAL

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)*
041216	1341	0029	1331 NAL	195	1.6 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)
1340	621						
1341	START	00	—	—	—	—	—
1358	—	125	669	2790	86	—	—
1410	DRY	195	—	—	—	—	—
4/13/16	SAMPLE	—	—	—	—	—	—
1130	772	195	665	2860	79	622	—

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)
041316	1130	195	665	2860	79	622	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: Calm Air Temp: ~45°F Precipitation: Y or N

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

WELL VOL = 24.59' - 6.21' = 18.38' x ~~0.164 = 3.1 GALS~~ NAL

0.656 = 12.1 GALS

Sample I.D. #: GW-041316-NK-015 Samples Collected:

SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	NICK A KAZOW	[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 04/12/16 (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) 7.47 (ft)

Groundwater Elevation (site datum, from TOC) 1088.46 (ft/msl)

Total Well Depth (from TOC) 26.43 (ft)

Water Column Height (well depth - DTW) 18.96 (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)*
04/12/16	15:48	00:10	3.2	10.5	3.28

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)
15:45	7.47						
15:48	START	0.0	—	—	—	—	—
15:51	—	3.5	6.63	1201	8.9	—	—
15:54	—	7.0	6.60	1224	8.7	—	—
15:58	—	10.5	6.61	1232	8.7	5.68	—
:							
4/12/16	SAMPLE	—	—	—	—	—	—
17:50	7.66	10.5	6.89	1610	7.6	3.70	—
:							
:							

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)
04/12/16	17:50	10.5	6.89	1610	7.6	3.70	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph W→E Air Temp: ~50°F Precipitation: Y or N

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

WELL VOL = 26.43' - 7.47' = 18.96' x 0.164 = 3.2 GALS

Sample I.D.#: GW-041216-NK-009

Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/12/16	Nick A Karow	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-107

WELL DATA

Water-Level Date 04/12/16 (MM DD YY)

Water-Level Time 10:01 (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) 1098.27 (ft/msl)

Depth to Water (DTW) (from TOC) 8.35 (ft)

Groundwater Elevation (site datum, from TOC) 1089.92 (ft/msl)

Total Well Depth (from TOC) 30.97 (ft)

Water Column Height (well depth - DTW) 22.62 (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)*
04/13/16	08:32	00:20	38	200	5.26

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)
08:25	8.35						
08:32	START	100					
08:36		140	6.89	1893	8.7		
08:40		180	6.88	1961	8.8		
08:44		120	6.89	2370	9.0		
08:48		160	6.89	2400	9.1		
08:52		200	6.90	2420	9.2	3.87	
4/13/16	SAMPLE						
12:30	8.39	200	6.89	2330	8.3	3.29	

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)
04/13/16	12:30	200	6.89	2330	8.3	3.29	—

FIELD COMMENTS

Sample Appearance: — Odor: Strong/Stale Color: lt Grey Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10mph W→E Air Temp: ~45°F Precipitation: Y or N

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

WELL VOL = 30.97' - 8.35' = 22.62' x 0.164 = 3.7 GALS

Sample I.D. #: GW-041316-NA-020

Samples Collected:
SSIPL VOC's

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

Date	Name	Signature	Company
4/13/16	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 (MM DD YY)	04 12 16	Water-Level Time (2400 Hr. Clock)	09:30	Purge/Sample Method:	3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.
Well Elevation (at TOC)	109196 (ft/msl)	Depth to Water (DTW) (from TOC)	4.21 (ft)	Groundwater Elevation (site datum, from TOC)	108775 (ft/msl)
Total Well Depth (from TOC)	18.42 (ft)	Water Column Height (well depth - DTW)	14.21 (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): — 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 16	07:46	00:21	24	125	5.21

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)
07:42	4.21						
07:46	START	0.0	—	—	—	—	—
07:50	—	2.5	6.45	14.39	7.1	—	—
07:54	—	5.0	6.53	14.76	7.2	—	—
07:59	—	7.5	6.62	15.23	7.3	—	—
08:03	—	10.0	6.65	15.50	7.3	—	—
08:07	—	12.5	6.70	15.68	7.3	21.2	—
4/13/16	SAMPLE	—	—	—	—	—	—
12:05	4.46	12.5	6.84	16.93	7.1	51.0	—

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 16	12:05	12.5	6.84	16.93	7.1	51.0	—

FIELD COMMENTS

Sample Appearance: — Odor: Slt. Stale Color: lt. Orange Other: —

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

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

WELL VOL = 18.42' - 4.21' = 14.21' x 0.164 = 2.4 GAL

Sample I.D. #: GW-041316-NK-017 Samples Collected: SSIPL VOC's

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

Date	Name	Signature	Company
4/13/16	Nick A Karon	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-111

WELL DATA

Water-Level Date (MM DD YY)	04/12/16	**Water-Level Time** (2400 Hr. Clock)	10:21	**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)	109967	**Depth to Water (DTW) (from TOC)** (ft)	11.18	**Groundwater Elevation (site datum, from TOC)** (ft/msl)	108849
Total Well Depth (from TOC) (ft)	29.33	Water Column Height (well depth - DTW) (ft)	18.15	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

Sampling Device: D

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 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)*
04/12/16	16:11	00:08	30	90	30

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)
16:08	11.18						
16:11	START	00	—	—	—	—	—
16:13	—	30	5.95	3400	9.8	—	—
16:16	—	60	5.94	3440	9.9	—	—
16:19	—	90	5.96	3450	9.9	4.83	—
4/12/16	SAMPLE	—	—	—	—	—	—
18:10	11.34	90	6.08	3290	8.4	8.90	—

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)
04/12/16	18:10	90	6.08	3290	8.4	8.90	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Orange Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10mph W→E Air Temp: ~45°F Precipitation: Y or N

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

WELL VOL = 29.33' − 11.18' = 18.15' × 0.164 = 3.0 GALS

Samples I.D. #: GW-04/216-NK-010 Samples Collected: SSIPL VOC's

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

Date	Name	Signature	Company
4/12/16	Nick A Karon	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-113

WELL DATA

Water-Level Date 04/12/16 (MM DD YY)

Water-Level Time 09:38 (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) 1084.46 (ft/msl)

Depth to Water (DTW) (from TOC) 4.35 (ft)

Groundwater Elevation (site datum, from TOC) 1084.11 (ft/msl)

Total Well Depth (from TOC) 16.46 (ft)

Water Column Height (well depth - DTW) 12.11 (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)*
04/12/16	14:24	00:12	20	53	2.7 (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)
14:20	14.35						
14:24	START						
14:28		20	7.30	3630	71		
14:33		40	7.23	3670	70		
14:36	DRY	53					
:							
41/113/16	SAMPLE						
11:45	14.45	53	6.90	3770	71	137	
:							
:							

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)
04/13/16	11:45	53	6.90	3770	71	137	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

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

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

WELL VOL = 16.46' - 4.35' = 12.11' x 0.164 = 2.0 GALS

Sample I.D. #: GW-041316-NK-016 Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	Nick A Karow	[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 04/12/16 (MM DD YY)

Water-Level Time 10:09 (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) 7.72 (ft)

Groundwater Elevation (site datum, from TOC) 1089.55 (ft/msl)

Total Well Depth (from TOC) 21.37 (ft)

Water Column Height (well depth - DTW) 13.65 (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)
04/13/16	09:24	00:20	23	100	4.35

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)
09:19	7.72						
09:24	START	0.0					
09:28		2.5	6.17	2270	8.9		
09:34		5.0	6.06	2360	9.0		
09:39		7.5	5.96	2420	9.1		
09:44		10.0	6.02	2400	9.1	3.45	
4/13/16	SAMPLE						
13:40	7.46	10.0	6.28	2330	9.1	8.27	

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)
04/13/16	13:40	10.0	6.28	2330	9.1	8.27	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: Calm Air Temp: ~45°F Precipitation: Y or (N)

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

WELL VOL = 21.37' - 7.72' = 13.65' x 0.164 = 2.3 GALS

COLLECTED MATRIX SPIKE : GW-041316-NK-021-MS

MATRIX SPIKE DUP : GW-041316-NK-021-MSD

Sample I.D.#: GW-041316-NK-021 Samples Collected:

SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	Nick A Karow	[signature]	Eagon + Associates, Inc.

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-115

WELL DATA

Water-Level Date 04/12/16 (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) 1108.3 (ft/msl)

Depth to Water (DTW) (from TOC) 16.54 (ft)

Groundwater Elevation (site datum, from TOC) 1085.29 (ft/msl)

Total Well Depth (from TOC) 40.70 (ft)

Water Column Height (well depth - DTW) 24.16 (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)*
04/13/16	10:00	00:10	4.0	12.0	3.0

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)
09:57	16.54						
10:00	START	1.0					
10:04		1.4	6.58	2240	9.8		
10:07		1.8	6.63	2240	9.8		
10:10		1.2	6.64	2210	9.8	8.28	
:							
4/13/16	SAMPLE						
13:50	16.08	1.2	6.89	1784	9.7	27.4	
:							
:							

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)
04/13/16	13:50	12.6	6.89	1784	9.7	27.4	

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

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

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

Well Vol = 40.70' - 16.54' = 24.16' x 0.164 = 4.0 GALS

Sample I.D. #: GW-041316-NK-022 Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	Nick A Karow	Nick A K	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-207

WELL DATA

Water-Level Date (MM DD YY)	04/12/16	**Water-Level Time** (2400 Hr. Clock)	10:03	**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)**	8.93 (ft)	**Groundwater Elevation (site datum, from TOC)**	1089.58 (ft/msl)
Total Well Depth (from TOC)	49.78 (ft)	Water Column Height (well depth - DTW)	40.85 (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)
04/12/16	16:34	00:20	6.7	210	3.13

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)
16:30	8.93						
16:34	START	100					
16:40		170	6.70	3120	9.8		
16:47		1140	6.60	3140	9.8		
16:54		2110	6.55	3130	9.8	13.5	
:							
4/12/16	SAMPLE						
18:30	19.06	2.10	6.99	3050	8.1	86.2	
:							
:							

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)
04/12/16	18:30	2.10	6.99	3050	8.1	86.2	—

FIELD COMMENTS

Sample Appearance: — **Odor:** None **Color:** lt. Orange **Other:** —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10mph W→E Air Temp: ~45°F Precipitation: Y or (N)

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

WELL VOL = 49.78' - 8.93' = 40.85' × 0.164 = 6.7 GAL

Sample I.D. #: GW-041216-NK-012

Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/12/16	Neil A Kazow	[signature]	Eagan + Associates, Inc.

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-209

WELL DATA

Water-Level Date 04/12/16 (MM DD YY)

Water-Level Time 10:58 (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) 5.02 (ft)

Groundwater Elevation (site datum, from TOC) 1082.64 (ft/msl)

Total Well Depth (from TOC) 37.71 (ft)

Water Column Height (well depth - DTW) 32.69 (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)*
04/12/16	1301	00:13	54	115	2.1 (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)
12:58	15.02						
13:01	START	10.0	—	—	—	—	—
13:06	—	15.5	6.39	3000	9.3	—	—
13:13	—	11.0	6.16	3080	9.6	—	—
13:14	DRY	11.5	—	—	—	—	—
:							
4/13/16	SAMPLE	—	—	—	—	—	—
11:20	18.87	11.5	6.27	2880	7.9	6.37	—
:							
:							

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)
04/13/16	11:20	11.5	6.27	2880	7.9	6.37	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: Calm Air Temp: ~45°F Precipitation: Y or (N)

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

WELL VOL = 37.71' - 5.02' = 32.69' x 0.164 = 5.4 GALS

Sample I.D.#: GW-041316-NK-014

Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	NICK A KACON	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-220

WELL DATA

Water-Level Date 04/12/16 (MM DD YY)

Water-Level Time 11:22 (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) 1090.92 (ft/msl)

Depth to Water (DTW) (from TOC) 7.80 (ft)

Groundwater Elevation (site datum, from TOC) 1083.12 (ft/msl)

Total Well Depth (from TOC) 37.72 (ft)

Water Column Height (well depth - DTW) 29.92 (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)*
04/12/16	1225	00:17	50	100	2 (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)
1220	7.80						
1225	START	0.0					
1231		5.0	7.59	3370	9.5		
1241		10.0	7.69	3460	9.6		
1242	DRY	10.0					
:							
4/13/16	SAMPLE						
11:00	13.42	10.0	7.17	3230	8.3	31.7	
:							
:							

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)
04/13/16	11:00	10.0	7.17	3230	8.3	31.7	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

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

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

WELL VOL = 29.92' x 0.164 = 5.0 GALS

Sample I.D.#: GW-041316 NK-013

Samples Collected:
SSIPL VOC's

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

Date	Name	Signature	Company
4/13/16	Nick A Kaizow	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-224

WELL DATA

Water-Level Date (MM DD YY)	041216	Water-Level Time (2400 Hr. Clock)	1055	Purge/Sample Method:	3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.
Well Elevation (at TOC)	108941 (ft/msl)	Depth to Water (DTW) (from TOC)	1030 (ft)	Groundwater Elevation (site datum, from TOC)	107911 (ft/msl)
Total Well Depth (from TOC)	3660 (ft)	Water Column Height (well depth - DTW)	2630 (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: A — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

X-Other: ~~Grundfos on 1/2" tubing~~ 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)
041216	1450	0022	44	135	31

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)
1447	1030						
1450	START	00	—	—	—	—	—
1456	—	45	713	3190	99	—	—
1503	—	90	723	3140	99	—	—
1512	—	135	726	3100	100	826	—
4/12/16	SAMPLE	—	—	—	—	—	—
1730	1167	135	718	3130	91	20.0	—

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)
041216	1730	135	718	3130	91	20.0	—

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10mph W→E Air Temp: ~50°F Precipitation: Y or N

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

WELL VOL = 36.60' − 10.30' = 26.30' × 0.164 = 4.4 GALS

Sample I.D.#: GW-041216-NK-007 Samples Collected: SSIPL VOC's

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

Date	Name	Signature	Company
4/12/16	NICK A KARON	[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: 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

Sampling Device

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

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)
014/12/16	17:36		7.18	3130	9.1	200	

Sample Appearance: — Odor: None Color: Clear Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10mph W→E Air Temp: ~50°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-224
See field information form for well MW-224

Sample I.D.#: GW-041216-NW-008 Samples Collected: SSIPL VOCs

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

Date	Name	Signature	Company
4/12/16	NICK A KAZOW	[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:** —	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 —

Sampling Device —

A-Submersible Pump
B-Peristaltic Pump
C-QED 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*	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)
041316	12:05		684	1693	71	510	

FIELD COMMENTS

Sample Appearance: — Odor: Slt. Stale Color: lt. Orange Other: —

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

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

"Duplicate #2" is duplicate by container collected from well MW-108

See field information form for well MW-108

SAMPLE ID#: GW-041316-NK-018 SAMPLES COLLECTED

SSIPL VOCs

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

Date	Name	Signature	Company
4/13/16	Nick A Karlow	[signature]	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 ___

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

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 16	18:15						

FIELD COMMENTS

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

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 MPH FROM NW ↘ Air Temp: ~45°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): "Rinse Blank #1" sample collected by pouring lab-supplied deionized water over s.s. bailer and into sample containers; sampled collected immediately after decontaminating bailer after collecting samples at well MW-111

Sample I.D.#: RB-041216-NK-011 Samples Collected: SSIPL VOC's

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

Date	Name	Signature	Company
4/12/16	Nick A Karon	[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:** —	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 —

Sampling Device —

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

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)
041316	12:20						

FIELD COMMENTS

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

Weather Conditions (at sample time): Wind Speed/Direction: 5-20 MPH FROM N ↓ Air Temp: ~35°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): "Rinse Blank #2" sample was collected by pouring lab-supplied deionized water over S.S. bailer and into sample containers; sample collected immediately after decontaminated bailer following use to collect samples from well MW-108

Sample I.D. #: RB-041316-NK-019 Samples Collected: SSIPL VOC's

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

Date	Name	Signature	Company
4/13/16	Nick A Karon	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD METER CALIBRATION RECORD

Project Name: Summit National Sampler(s): S ROBERTSON, N KAZOUS

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

Buffer Brand/Expiration: pH 4 _____; pH 7 _____; 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)
4/12/16	1157	Calibrate	4.08	7.08	—	5.3
4/12/16	1422	Check	4.07	7.06	—	8.2
4/13/16	0704	Calibrate	4.01	7.03	—	15.8
4/13/16	1230	CHECK	4.01	7.02	—	16.8

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

Cond. Solution Brand/Expiration: _____ Cond. Solution Value (@ 25 °C): 1413

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes: 4490
4/12/16	1157	Calibrate	1413	5.3	4490 11.2
4/12/16	1422	Check	1416	8.2	
4/13/16	0704	Calibrate	1413	15.8	4490 3.3
4/13/16	1235	CHECK	1418	16.7	

Turbidity Meter(s): Make/Model/Serial No.: : Hach 2100P / 08030C028171

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/16	1157	Check	6.05	6.07	
4/12/16	1422	Check	6.05	6.06	
4/13/16	0704	Check	6.05	6.10	
4/13/16	1236	CHECK	6.05	6.08	

Sampler (Name): Sean Robertson Sampler (Signature): [signature]

FIELD METER CALIBRATION RECORD

Project Name: Summit National Sampler(s): ~~N Karow~~ A. Graham

pH Meter(s): Make/Model/Serial No: Oakton 300 S/N ~~180251~~ 456065

Buffer Brand/Expiration: pH 4 IE / 12-16 ; pH 7 IE / 5-7-17 ; 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)
4/12/16	1415	Calibrate	4.01	7.03	—	12.5

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton 300 S/N 180251

Cond. Solution Brand/Expiration: IE / 5-6-16 (1413) IE / 8-18-16 (4490) Cond. Solution Value (@ 25 °C): 1413 & 4490

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/16	1418	Calibrate	1420	12.4	

Turbidity Meter(s): Make/Model/Serial No: HACH 2100QP S/N ~~14110C037172~~ 08030288 13

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/16	1420	Check	5.37	5.50	

Sampler (Name): Andrew D. Graham ~~Nick A Karow~~ Sampler (Signature): [signature]

APPENDIX B.

LABORATORY ANALYTICAL REPORTS AND FIELD FORMS, APRIL 2016 S&E DITCH SURFACE WATER AND SEDIMENT SAMPLING RESULTS

SAMPLE IDENTIFICATION SUMMARY
APRIL 2016 SAMPLING EVENT
SUMMIT NATIONAL SUPERFUND SITE

Sample ID	Sample Name	Lab ID
Investigative Samples (GW)		
MW-4	GW-041316-NK-015	240-63450-1
MW-11	GW-041216-NK-009	240-63450-2
MW-107	GW-041316-NK-020	240-63450-3
MW-108	GW-041316-NK-017	240-63450-4
MW-111	GW-041216-NK-010	240-63450-5
MW-113	GW-041316-NK-016	240-63450-6
MW-114	GW-041316-NK-021	240-63450-7
MW-115	GW-041316-NK-022	240-63450-8
MW-207	GW-041216-NK-012	240-63450-9
MW-209	GW-041316-NK-014	240-63450-10
MW-220	GW-041316-NK-013	240-63450-11
MW-224	GW-041216-NK-007	240-63450-12
QA/QC Samples (GW)		
Duplicate #1 (MW-224)	GW-041216-NK-008	240-63450-13
Duplicate #2 (MW-108)	GW-041316-NK-018	240-63450-14
MS (MW-114)	GW-041316-NK-021-MS	240-63450-7 MS
MSD (MW-114)	GW-041316-NK-021-MSD	240-63450-7 MSD
Rinse Blank #1	RB-041216-NK-011	240-63450-15
Rinse Blank #2	RB-041316-NK-019	240-63450-16
Purge/Decon Water	Purge/Decon Water	240-63447-1
Investigative Sample (Ditch)		
S&E Ditch Sediment	SD-041216-AG-004	240-63453-1
QA/QC Samples (Ditch)		
S&E Ditch Sediment (DUP)	SD-041216-AG-005	240-63453-2
S&E Ditch Sediment (RB)	RB-041216-AG-006	240-63453-3
S&E Ditch Sediment (MS)	SD-041216-AG-004-MS	240-63453-1 MS
S&E Ditch Sediment (MSD)	SD-041216-AG-004-MSD	240-63453-1 MSD
Investigative Sample (Surface Water)		
Surface Water	SW-041216-AG-001	240-63452-1
QA/QC Samples (Surface Water)		
Surface Water (DUP)	SW-041216-AG-002	240-63452-2
Surface Water (FB)	FB-041216-AG-003	240-63452-3
Surface Water (MS)	SW-041216-AG-001-MS	240-63452-1 MS
Surface Water (MSD)	SW-041216-AG-001-MSD	240-63452-1 MSD

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: 240-63452-1
Client Project/Site: Summit National 2016 SW

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:
4/25/2016 12:43:14 PM

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

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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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.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
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: 240-63452-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2016 SW

Report Number: 240-63452-1

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 4/13/2016 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2), FB-041216-AG-003 (240-63452-3) and TRIP BLANKS (240-63452-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/21/2016.

The laboratory control sample (LCS) for 226933 recovered above the upper control limit for Bromomethane. The following samples associated with this LCS were non-detect for the affected analyte; therefore, re-extraction/re-analysis was not performed: SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2), FB-041216-AG-003 (240-63452-3), and TRIP BLANKS (240-63452-4)

Bromomethane failed the recovery criteria high for the MS of sample SW-041216-AG-001 (240-63452-1) in batch 240-226933.

The continuing calibration verification (CCV) associated with batch 226933 recovered above the upper control limit for Bromomethane. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2), FB-041216-AG-003 (240-63452-3), and TRIP BLANKS (240-63452-4).

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

Job ID: 240-63452-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2) and FB-041216-AG-003 (240-63452-3) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/15/2016 and analyzed on 04/18/2016.

Diethyl phthalate was detected in method blank MB 240-226115/8-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. .

4-Chloroaniline failed the recovery criteria low for the MS of sample SW-041216-AG-001MS (240-63452-1) in batch 240-226279. 3,3'-Dichlorobenzidine and 4-Chloroaniline exceeded the RPD limit for the MSD of sample SW-041216-AG-001 (240-63452-1) in batch 240-226279.

The continuing calibration verification (CCV) associated with batch 226279 recovered above the upper control limit for 2,4-Dinitrophenol. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2), and FB-041216-AG-003 (240-63452-3).

The continuing calibration verification (CCV) associated with batch 226279 recovered low for 3-Nitroaniline. The following samples associated with this CCV were non-detect (ND) for this analyte, and a Limt of Detection Verification (LODV) was analyzed at the RL to support the ND results: SW-041216-AG-001 (240-63452-1), SW-041216-AG-002 (240-63452-2), and FB-041216-AG-003 (240-63452-3).

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 2016 SW

TestAmerica Job ID: 240-63452-1

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

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 2016 SW

TestAmerica Job ID: 240-63452-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-63452-1	SW-041216-AG-001	Water	04/12/16 14:25	04/13/16 16:00
240-63452-2	SW-041216-AG-002	Water	04/12/16 14:40	04/13/16 16:00
240-63452-3	FB-041216-AG-003	Water	04/12/16 14:52	04/13/16 16:00
240-63452-4	TRIP BLANKS	Water	04/12/16 00:00	04/13/16 16:00

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-001 — Lab Sample ID: 240-63452-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	1.2	J	2.0	0.20	ug/L	1		8260C	Total/NA
Trichloroethene	0.32	J	1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: SW-041216-AG-002 — Lab Sample ID: 240-63452-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	1.2	J	2.0	0.20	ug/L	1		8260C	Total/NA
Trichloroethene	0.27	J	1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: FB-041216-AG-003 — Lab Sample ID: 240-63452-3

No Detections.

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-63452-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	0.94	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-001

Date Collected: 04/12/16 14:25
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63452-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	0.94	ug/L			04/21/16 17:15	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 17:15	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/21/16 17:15	1
Bromoform	ND		1.0	0.56	ug/L			04/21/16 17:15	1
Bromomethane	ND	* F1	1.0	0.44	ug/L			04/21/16 17:15	1
2-Butanone	ND		10	0.53	ug/L			04/21/16 17:15	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/21/16 17:15	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/21/16 17:15	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 17:15	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 17:15	1
Chloroform	ND		1.0	0.25	ug/L			04/21/16 17:15	1
Chloromethane	ND		1.0	0.44	ug/L			04/21/16 17:15	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/21/16 17:15	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/21/16 17:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 17:15	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 17:15	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/21/16 17:15	1
1,2-Dichloroethene, Total	**1.2**	**J**	2.0	0.20	ug/L			04/21/16 17:15	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/21/16 17:15	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 17:15	1
2-Hexanone	ND		10	0.48	ug/L			04/21/16 17:15	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/21/16 17:15	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/21/16 17:15	1
Styrene	ND		1.0	0.45	ug/L			04/21/16 17:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/21/16 17:15	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/21/16 17:15	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 17:15	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/21/16 17:15	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/21/16 17:15	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/21/16 17:15	1
Trichloroethene	**0.32**	**J**	1.0	0.22	ug/L			04/21/16 17:15	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 17:15	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*		*04/21/16 17:15*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 17:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/21/16 17:15*	*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		04/15/16 09:10	04/18/16 15:16	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/15/16 09:10	04/18/16 15:16	1
Anthracene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 15:16	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 15:16	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/15/16 09:10	04/18/16 15:16	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 15:16	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/15/16 09:10	04/18/16 15:16	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 15:16	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-001

Date Collected: 04/12/16 14:25
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63452-1

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		04/15/16 09:10	04/18/16 15:16	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 15:16	1
Bis(2-ethylhexyl) phthalate	ND		1.8	1.4	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/15/16 09:10	04/18/16 15:16	1
Butylbenzylphthalate	ND		0.89	0.19	ug/L		04/15/16 09:10	04/18/16 15:16	1
Carbazole	ND		0.89	0.094	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Chloroaniline	ND	F1 F2	1.8	0.13	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 15:16	1
Chrysene	ND		0.18	0.031	ug/L		04/15/16 09:10	04/18/16 15:16	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/15/16 09:10	04/18/16 15:16	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 15:16	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 15:16	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 15:16	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 15:16	1
3,3'-Dichlorobenzidine	ND	F2	4.5	0.32	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 15:16	1
Diethyl phthalate	ND		0.89	0.11	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 15:16	1
Dimethyl phthalate	ND		0.89	0.090	ug/L		04/15/16 09:10	04/18/16 15:16	1
Di-n-butyl phthalate	ND		0.89	0.36	ug/L		04/15/16 09:10	04/18/16 15:16	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/15/16 09:10	04/18/16 15:16	1
Di-n-octyl phthalate	ND		0.89	0.33	ug/L		04/15/16 09:10	04/18/16 15:16	1
Fluoranthene	ND		0.18	0.024	ug/L		04/15/16 09:10	04/18/16 15:16	1
Fluorene	ND		0.18	0.030	ug/L		04/15/16 09:10	04/18/16 15:16	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 15:16	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 15:16	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/15/16 09:10	04/18/16 15:16	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/15/16 09:10	04/18/16 15:16	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 15:16	1
Isophorone	ND		0.89	0.038	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 15:16	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/15/16 09:10	04/18/16 15:16	1
Naphthalene	ND		0.18	0.038	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 15:16	1
3-Nitroaniline	ND		1.8	0.24	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/15/16 09:10	04/18/16 15:16	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 15:16	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/15/16 09:10	04/18/16 15:16	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/15/16 09:10	04/18/16 15:16	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 15:16	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/15/16 09:10	04/18/16 15:16	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-001

Date Collected: 04/12/16 14:25
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63452-1

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		04/15/16 09:10	04/18/16 15:16	1
Phenanthrene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 15:16	1
Phenol	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 15:16	1
Pyrene	ND		0.18	0.025	ug/L		04/15/16 09:10	04/18/16 15:16	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/15/16 09:10	04/18/16 15:16	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*29 - 110*	*04/15/16 09:10*	*04/18/16 15:16*	*1*
2-Fluorophenol (Surr)	*68*		*15 - 110*	*04/15/16 09:10*	*04/18/16 15:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*31 - 110*	*04/15/16 09:10*	*04/18/16 15:16*	*1*
Phenol-d5 (Surr)	*44*		*10 - 110*	*04/15/16 09:10*	*04/18/16 15:16*	*1*
Terphenyl-d14 (Surr)	*72*		*31 - 115*	*04/15/16 09:10*	*04/18/16 15:16*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*21 - 128*	*04/15/16 09:10*	*04/18/16 15:16*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-002

Date Collected: 04/12/16 14:40
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63452-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	0.94	ug/L			04/21/16 17:37	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 17:37	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/21/16 17:37	1
Bromoform	ND		1.0	0.56	ug/L			04/21/16 17:37	1
Bromomethane	ND	*	1.0	0.44	ug/L			04/21/16 17:37	1
2-Butanone	ND		10	0.53	ug/L			04/21/16 17:37	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/21/16 17:37	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/21/16 17:37	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 17:37	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 17:37	1
Chloroform	ND		1.0	0.25	ug/L			04/21/16 17:37	1
Chloromethane	ND		1.0	0.44	ug/L			04/21/16 17:37	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/21/16 17:37	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/21/16 17:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 17:37	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 17:37	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/21/16 17:37	1
1,2-Dichloroethene, Total	**1.2**	**J**	2.0	0.20	ug/L			04/21/16 17:37	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/21/16 17:37	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 17:37	1
2-Hexanone	ND		10	0.48	ug/L			04/21/16 17:37	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/21/16 17:37	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/21/16 17:37	1
Styrene	ND		1.0	0.45	ug/L			04/21/16 17:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/21/16 17:37	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/21/16 17:37	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 17:37	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/21/16 17:37	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/21/16 17:37	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/21/16 17:37	1
Trichloroethene	**0.27**	**J**	1.0	0.22	ug/L			04/21/16 17:37	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 17:37	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 17:37*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 17:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/21/16 17:37*	*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		04/15/16 09:10	04/18/16 14:51	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/15/16 09:10	04/18/16 14:51	1
Anthracene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:51	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:51	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/15/16 09:10	04/18/16 14:51	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:51	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/15/16 09:10	04/18/16 14:51	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:51	1

Client Sample ID: SW-041216-AG-002

Lab Sample ID: 240-63452-2

Date Collected: 04/12/16 14:40

Matrix: Water

Date Received: 04/13/16 16:00

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		04/15/16 09:10	04/18/16 14:51	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:51	1
Bis(2-ethylhexyl) phthalate	ND		1.8	1.4	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/15/16 09:10	04/18/16 14:51	1
Butylbenzylphthalate	ND		0.89	0.19	ug/L		04/15/16 09:10	04/18/16 14:51	1
Carbazole	ND		0.89	0.094	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:51	1
Chrysene	ND		0.18	0.031	ug/L		04/15/16 09:10	04/18/16 14:51	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/15/16 09:10	04/18/16 14:51	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:51	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:51	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:51	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:51	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:51	1
Diethyl phthalate	ND		0.89	0.11	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:51	1
Dimethyl phthalate	ND		0.89	0.090	ug/L		04/15/16 09:10	04/18/16 14:51	1
Di-n-butyl phthalate	ND		0.89	0.36	ug/L		04/15/16 09:10	04/18/16 14:51	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/15/16 09:10	04/18/16 14:51	1
Di-n-octyl phthalate	ND		0.89	0.33	ug/L		04/15/16 09:10	04/18/16 14:51	1
Fluoranthene	ND		0.18	0.024	ug/L		04/15/16 09:10	04/18/16 14:51	1
Fluorene	ND		0.18	0.030	ug/L		04/15/16 09:10	04/18/16 14:51	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:51	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:51	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/15/16 09:10	04/18/16 14:51	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/15/16 09:10	04/18/16 14:51	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:51	1
Isophorone	ND		0.89	0.038	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:51	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/15/16 09:10	04/18/16 14:51	1
Naphthalene	ND		0.18	0.038	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:51	1
3-Nitroaniline	ND		1.8	0.24	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/15/16 09:10	04/18/16 14:51	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:51	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/15/16 09:10	04/18/16 14:51	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/15/16 09:10	04/18/16 14:51	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:51	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/15/16 09:10	04/18/16 14:51	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-002

Date Collected: 04/12/16 14:40
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63452-2

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		04/15/16 09:10	04/18/16 14:51	1
Phenanthrene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:51	1
Phenol	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:51	1
Pyrene	ND		0.18	0.025	ug/L		04/15/16 09:10	04/18/16 14:51	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/15/16 09:10	04/18/16 14:51	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*29 - 110*	*04/15/16 09:10*	*04/18/16 14:51*	*1*
2-Fluorophenol (Surr)	*50*		*15 - 110*	*04/15/16 09:10*	*04/18/16 14:51*	*1*
Nitrobenzene-d5 (Surr)	*63*		*31 - 110*	*04/15/16 09:10*	*04/18/16 14:51*	*1*
Phenol-d5 (Surr)	*38*		*10 - 110*	*04/15/16 09:10*	*04/18/16 14:51*	*1*
Terphenyl-d14 (Surr)	*68*		*31 - 115*	*04/15/16 09:10*	*04/18/16 14:51*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*21 - 128*	*04/15/16 09:10*	*04/18/16 14:51*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: FB-041216-AG-003

Lab Sample ID: 240-63452-3

Date Collected: 04/12/16 14:52
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	0.94	ug/L			04/21/16 18:00	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 18:00	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/21/16 18:00	1
Bromoform	ND		1.0	0.56	ug/L			04/21/16 18:00	1
Bromomethane	ND	*	1.0	0.44	ug/L			04/21/16 18:00	1
2-Butanone	ND		10	0.53	ug/L			04/21/16 18:00	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/21/16 18:00	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/21/16 18:00	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 18:00	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 18:00	1
Chloroform	ND		1.0	0.25	ug/L			04/21/16 18:00	1
Chloromethane	ND		1.0	0.44	ug/L			04/21/16 18:00	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/21/16 18:00	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/21/16 18:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 18:00	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 18:00	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/21/16 18:00	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/21/16 18:00	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/21/16 18:00	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 18:00	1
2-Hexanone	ND		10	0.48	ug/L			04/21/16 18:00	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/21/16 18:00	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/21/16 18:00	1
Styrene	ND		1.0	0.45	ug/L			04/21/16 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/21/16 18:00	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/21/16 18:00	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 18:00	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/21/16 18:00	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/21/16 18:00	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/21/16 18:00	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 18:00	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 18:00	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*		*04/21/16 18:00*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/21/16 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*		*04/21/16 18:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/21/16 18:00*	*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		04/15/16 09:10	04/18/16 14:26	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/15/16 09:10	04/18/16 14:26	1
Anthracene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:26	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:26	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/15/16 09:10	04/18/16 14:26	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:26	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/15/16 09:10	04/18/16 14:26	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:26	1

Client Sample ID: FB-041216-AG-003

Lab Sample ID: 240-63452-3

Date Collected: 04/12/16 14:52

Matrix: Water

Date Received: 04/13/16 16:00

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		04/15/16 09:10	04/18/16 14:26	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:26	1
Bis(2-ethylhexyl) phthalate	ND		1.8	1.4	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/15/16 09:10	04/18/16 14:26	1
Butylbenzylphthalate	ND		0.89	0.19	ug/L		04/15/16 09:10	04/18/16 14:26	1
Carbazole	ND		0.89	0.094	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:26	1
Chrysene	ND		0.18	0.031	ug/L		04/15/16 09:10	04/18/16 14:26	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/15/16 09:10	04/18/16 14:26	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:26	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:26	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:26	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:26	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:26	1
Diethyl phthalate	ND		0.89	0.11	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:26	1
Dimethyl phthalate	ND		0.89	0.090	ug/L		04/15/16 09:10	04/18/16 14:26	1
Di-n-butyl phthalate	ND		0.89	0.36	ug/L		04/15/16 09:10	04/18/16 14:26	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/15/16 09:10	04/18/16 14:26	1
Di-n-octyl phthalate	ND		0.89	0.33	ug/L		04/15/16 09:10	04/18/16 14:26	1
Fluoranthene	ND		0.18	0.024	ug/L		04/15/16 09:10	04/18/16 14:26	1
Fluorene	ND		0.18	0.030	ug/L		04/15/16 09:10	04/18/16 14:26	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:26	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:26	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/15/16 09:10	04/18/16 14:26	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/15/16 09:10	04/18/16 14:26	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:26	1
Isophorone	ND		0.89	0.038	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:26	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/15/16 09:10	04/18/16 14:26	1
Naphthalene	ND		0.18	0.038	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:26	1
3-Nitroaniline	ND		1.8	0.24	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/15/16 09:10	04/18/16 14:26	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:26	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/15/16 09:10	04/18/16 14:26	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/15/16 09:10	04/18/16 14:26	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:26	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/15/16 09:10	04/18/16 14:26	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: FB-041216-AG-003

Lab Sample ID: 240-63452-3

Date Collected: 04/12/16 14:52
Date Received: 04/13/16 16:00

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		04/15/16 09:10	04/18/16 14:26	1
Phenanthrene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:26	1
Phenol	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:26	1
Pyrene	ND		0.18	0.025	ug/L		04/15/16 09:10	04/18/16 14:26	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/15/16 09:10	04/18/16 14:26	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*29 - 110*	*04/15/16 09:10*	*04/18/16 14:26*	*1*
2-Fluorophenol (Surr)	*53*		*15 - 110*	*04/15/16 09:10*	*04/18/16 14:26*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 110*	*04/15/16 09:10*	*04/18/16 14:26*	*1*
Phenol-d5 (Surr)	*41*		*10 - 110*	*04/15/16 09:10*	*04/18/16 14:26*	*1*
Terphenyl-d14 (Surr)	*73*		*31 - 115*	*04/15/16 09:10*	*04/18/16 14:26*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*21 - 128*	*04/15/16 09:10*	*04/18/16 14:26*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-63452-4

Date Collected: 04/12/16 00:00
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.5	J	10	0.94	ug/L			04/21/16 18:23	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 18:23	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/21/16 18:23	1
Bromoform	ND		1.0	0.56	ug/L			04/21/16 18:23	1
Bromomethane	ND	*	1.0	0.44	ug/L			04/21/16 18:23	1
2-Butanone	ND		10	0.53	ug/L			04/21/16 18:23	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/21/16 18:23	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/21/16 18:23	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 18:23	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 18:23	1
Chloroform	ND		1.0	0.25	ug/L			04/21/16 18:23	1
Chloromethane	ND		1.0	0.44	ug/L			04/21/16 18:23	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/21/16 18:23	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/21/16 18:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 18:23	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 18:23	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/21/16 18:23	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/21/16 18:23	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/21/16 18:23	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 18:23	1
2-Hexanone	ND		10	0.48	ug/L			04/21/16 18:23	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/21/16 18:23	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/21/16 18:23	1
Styrene	ND		1.0	0.45	ug/L			04/21/16 18:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/21/16 18:23	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/21/16 18:23	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 18:23	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/21/16 18:23	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/21/16 18:23	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/21/16 18:23	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 18:23	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 18:23	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*		*04/21/16 18:23*	*1*
Dibromofluoromethane (Surr)	*98*		*79 - 120*		*04/21/16 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 125*		*04/21/16 18:23*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/21/16 18:23*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

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	(61-120)	(79-120)	(78-125)	(80-120)
240-63452-1	SW-041216-AG-001	98	98	99	97
240-63452-1 MS	SW-041216-AG-001	101	100	99	97
240-63452-1 MSD	SW-041216-AG-001	97	101	99	98
240-63452-2	SW-041216-AG-002	97	98	99	98
240-63452-3	FB-041216-AG-003	97	99	99	96
240-63452-4	TRIP BLANKS	98	98	100	96
LCS 240-226933/4	Lab Control Sample	98	101	95	99
MB 240-226933/6	Method Blank	96	100	95	96

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	(29-110)	(15-110)	(31-110)	(10-110)	(31-115)	(21-128)
240-63452-1	SW-041216-AG-001	59	68	66	44	72	68
240-63452-1 MS	SW-041216-AG-001	67	72	76	47	78	80
240-63452-1 MSD	SW-041216-AG-001	71	65	79	52	78	83
240-63452-2	SW-041216-AG-002	56	50	63	38	68	64
240-63452-3	FB-041216-AG-003	59	53	65	41	73	66
LCS 240-226115/9-A	Lab Control Sample	82	94	89	63	89	90
MB 240-226115/8-A	Method Blank	65	60	65	41	71	68

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 240-226933/6
Matrix: Water
Analysis Batch: 226933

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	0.94	ug/L			04/21/16 10:53	1
Benzene	ND		1.0	0.35	ug/L			04/21/16 10:53	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/21/16 10:53	1
Bromoform	ND		1.0	0.56	ug/L			04/21/16 10:53	1
Bromomethane	ND		1.0	0.44	ug/L			04/21/16 10:53	1
2-Butanone	ND		10	0.53	ug/L			04/21/16 10:53	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/21/16 10:53	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/21/16 10:53	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/21/16 10:53	1
Chloroethane	ND		1.0	0.32	ug/L			04/21/16 10:53	1
Chloroform	ND		1.0	0.25	ug/L			04/21/16 10:53	1
Chloromethane	ND		1.0	0.44	ug/L			04/21/16 10:53	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/21/16 10:53	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/21/16 10:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/21/16 10:53	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/21/16 10:53	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/21/16 10:53	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/21/16 10:53	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/21/16 10:53	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/21/16 10:53	1
2-Hexanone	ND		10	0.48	ug/L			04/21/16 10:53	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/21/16 10:53	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/21/16 10:53	1
Styrene	ND		1.0	0.45	ug/L			04/21/16 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/21/16 10:53	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/21/16 10:53	1
Toluene	ND		1.0	0.23	ug/L			04/21/16 10:53	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/21/16 10:53	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/21/16 10:53	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/21/16 10:53	1
Trichloroethene	ND		1.0	0.22	ug/L			04/21/16 10:53	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/21/16 10:53	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/21/16 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/21/16 10:53*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 120*		*04/21/16 10:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 125*		*04/21/16 10:53*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/21/16 10:53*	*1*

Lab Sample ID: LCS 240-226933/4
Matrix: Water
Analysis Batch: 226933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	15.1		ug/L		75	34 - 148
Benzene	10.0	9.79		ug/L		98	80 - 120
Bromodichloromethane	10.0	9.66		ug/L		97	80 - 120

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

Lab Sample ID: LCS 240-226933/4
Matrix: Water
Analysis Batch: 226933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	10.0	9.60		ug/L		96	56 - 122
Bromomethane	10.0	13.7	*	ug/L		137	38 - 132
2-Butanone	20.0	16.0		ug/L		80	56 - 138
Carbon disulfide	10.0	10.8		ug/L		108	65 - 144
Carbon tetrachloride	10.0	11.5		ug/L		115	77 - 131
Chlorobenzene	10.0	9.62		ug/L		96	80 - 120
Chloroethane	10.0	9.91		ug/L		99	36 - 126
Chloroform	10.0	9.89		ug/L		99	80 - 120
Chloromethane	10.0	8.27		ug/L		83	48 - 133
cis-1,3-Dichloropropene	10.0	9.67		ug/L		97	74 - 126
Dibromochloromethane	10.0	9.33		ug/L		93	74 - 120
1,1-Dichloroethane	10.0	9.50		ug/L		95	79 - 125
1,2-Dichloroethane	10.0	9.78		ug/L		98	80 - 120
1,1-Dichloroethene	10.0	10.8		ug/L		108	76 - 124
1,2-Dichloroethene, Total	20.0	20.5		ug/L		102	80 - 120
1,2-Dichloropropane	10.0	9.82		ug/L		98	78 - 124
Ethylbenzene	10.0	9.83		ug/L		98	80 - 120
2-Hexanone	20.0	14.9		ug/L		75	55 - 141
Methylene Chloride	10.0	9.91		ug/L		99	77 - 129
4-Methyl-2-pentanone	20.0	17.3		ug/L		86	64 - 135
Styrene	10.0	9.64		ug/L		96	76 - 122
1,1,2,2-Tetrachloroethane	10.0	8.45		ug/L		84	71 - 123
Tetrachloroethene	10.0	10.3		ug/L		103	78 - 121
Toluene	10.0	9.60		ug/L		96	80 - 120
trans-1,3-Dichloropropene	10.0	8.93		ug/L		89	75 - 131
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	77 - 123
1,1,2-Trichloroethane	10.0	9.33		ug/L		93	80 - 120
Trichloroethene	10.0	10.5		ug/L		105	80 - 121
Vinyl chloride	10.0	9.22		ug/L		92	52 - 121
Xylenes, Total	20.0	19.2		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 125*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 240-63452-1 MS
Matrix: Water
Analysis Batch: 226933

Client Sample ID: SW-041216-AG-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		20.0	14.7		ug/L		73	32 - 126
Benzene	ND		10.0	9.02		ug/L		90	73 - 121
Bromodichloromethane	ND		10.0	8.81		ug/L		88	72 - 120
Bromoform	ND		10.0	8.30		ug/L		83	45 - 121
Bromomethane	ND	* F1	10.0	15.5	F1	ug/L		155	26 - 136
2-Butanone	ND		20.0	16.6		ug/L		83	49 - 132

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

Lab Sample ID: 240-63452-1 MS — **Client Sample ID: SW-041216-AG-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	ND		10.0	9.17		ug/L		92	54 - 144
Carbon tetrachloride	ND		10.0	9.68		ug/L		97	65 - 129
Chlorobenzene	ND		10.0	8.76		ug/L		88	72 - 120
Chloroethane	ND		10.0	9.87		ug/L		99	27 - 131
Chloroform	ND		10.0	9.27		ug/L		93	73 - 121
Chloromethane	ND		10.0	7.86		ug/L		79	39 - 134
cis-1,3-Dichloropropene	ND		10.0	8.40		ug/L		84	60 - 120
Dibromochloromethane	ND		10.0	8.20		ug/L		82	62 - 122
1,1-Dichloroethane	ND		10.0	8.95		ug/L		89	73 - 124
1,2-Dichloroethane	ND		10.0	9.60		ug/L		96	74 - 125
1,1-Dichloroethene	ND		10.0	9.98		ug/L		100	67 - 124
1,2-Dichloroethene, Total	1.2	J	20.0	20.0		ug/L		94	78 - 120
1,2-Dichloropropane	ND		10.0	9.13		ug/L		91	73 - 122
Ethylbenzene	ND		10.0	8.60		ug/L		86	68 - 121
2-Hexanone	ND		20.0	16.9		ug/L		85	49 - 142
Methylene Chloride	ND		10.0	8.53		ug/L		85	70 - 124
4-Methyl-2-pentanone	ND		20.0	18.8		ug/L		94	58 - 136
Styrene	ND		10.0	8.69		ug/L		87	64 - 126
1,1,2,2-Tetrachloroethane	ND		10.0	8.83		ug/L		88	61 - 130
Tetrachloroethene	ND		10.0	8.78		ug/L		88	59 - 125
Toluene	ND		10.0	8.54		ug/L		85	72 - 122
trans-1,3-Dichloropropene	ND		10.0	7.59		ug/L		76	58 - 132
1,1,1-Trichloroethane	ND		10.0	8.96		ug/L		90	69 - 122
1,1,2-Trichloroethane	ND		10.0	9.10		ug/L		91	72 - 125
Trichloroethene	0.32	J	10.0	9.81		ug/L		95	61 - 129
Vinyl chloride	ND		10.0	8.95		ug/L		89	44 - 122
Xylenes, Total	ND		20.0	17.0		ug/L		85	67 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*61 - 120*
Dibromofluoromethane (Surr)	*100*		*79 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 240-63452-1 MSD — **Client Sample ID: SW-041216-AG-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	15.6		ug/L		78	32 - 126	6	28
Benzene	ND		10.0	9.25		ug/L		92	73 - 121	3	13
Bromodichloromethane	ND		10.0	8.89		ug/L		89	72 - 120	1	19
Bromoform	ND		10.0	8.44		ug/L		84	45 - 121	2	19
Bromomethane	ND	* F1	10.0	11.9		ug/L		119	26 - 136	27	35
2-Butanone	ND		20.0	17.2		ug/L		86	49 - 132	3	19
Carbon disulfide	ND		10.0	9.07		ug/L		91	54 - 144	1	34
Carbon tetrachloride	ND		10.0	10.0		ug/L		100	65 - 129	4	20
Chlorobenzene	ND		10.0	8.87		ug/L		89	72 - 120	1	15

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

Lab Sample ID: 240-63452-1 MSD — **Client Sample ID: SW-041216-AG-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		10.0	8.95		ug/L		89	27 - 131	10	35
Chloroform	ND		10.0	9.43		ug/L		94	73 - 121	2	17
Chloromethane	ND		10.0	7.89		ug/L		79	39 - 134	0	20
cis-1,3-Dichloropropene	ND		10.0	8.64		ug/L		86	60 - 120	3	21
Dibromochloromethane	ND		10.0	8.46		ug/L		85	62 - 122	3	19
1,1-Dichloroethane	ND		10.0	9.17		ug/L		92	73 - 124	2	14
1,2-Dichloroethane	ND		10.0	9.87		ug/L		99	74 - 125	3	24
1,1-Dichloroethene	ND		10.0	10.1		ug/L		101	67 - 124	1	24
1,2-Dichloroethene, Total	1.2	J	20.0	20.7		ug/L		97	78 - 120	3	10
1,2-Dichloropropane	ND		10.0	9.21		ug/L		92	73 - 122	1	15
Ethylbenzene	ND		10.0	8.80		ug/L		88	68 - 121	2	16
2-Hexanone	ND		20.0	17.3		ug/L		86	49 - 142	2	27
Methylene Chloride	ND		10.0	8.60		ug/L		86	70 - 124	1	14
4-Methyl-2-pentanone	ND		20.0	19.3		ug/L		97	58 - 136	3	32
Styrene	ND		10.0	8.65		ug/L		86	64 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		10.0	9.09		ug/L		91	61 - 130	3	18
Tetrachloroethene	ND		10.0	8.97		ug/L		90	59 - 125	2	20
Toluene	ND		10.0	8.80		ug/L		88	72 - 122	3	15
trans-1,3-Dichloropropene	ND		10.0	7.80		ug/L		78	58 - 132	3	22
1,1,1-Trichloroethane	ND		10.0	9.36		ug/L		94	69 - 122	4	14
1,1,2-Trichloroethane	ND		10.0	9.27		ug/L		93	72 - 125	2	19
Trichloroethene	0.32	J	10.0	9.92		ug/L		96	61 - 129	1	14
Vinyl chloride	ND		10.0	8.77		ug/L		88	44 - 122	2	35
Xylenes, Total	ND		20.0	17.3		ug/L		86	67 - 122	1	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*61 - 120*
Dibromofluoromethane (Surr)	*101*		*79 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 125*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-226115/8-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226279 — **Prep Batch: 226115**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		04/15/16 09:10	04/18/16 09:26	1
Acenaphthylene	ND		0.20	0.020	ug/L		04/15/16 09:10	04/18/16 09:26	1
Anthracene	ND		0.20	0.031	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[a]anthracene	ND		0.20	0.059	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[a]pyrene	ND		0.20	0.030	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[b]fluoranthene	ND		0.20	0.059	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[g,h,i]perylene	ND		0.20	0.050	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		04/15/16 09:10	04/18/16 09:26	1
Bis(2-chloroethoxy)methane	ND		1.0	0.037	ug/L		04/15/16 09:10	04/18/16 09:26	1
Bis(2-chloroethyl)ether	ND		1.0	0.19	ug/L		04/15/16 09:10	04/18/16 09:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-226115/8-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		2.0	1.5	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Bromophenyl phenyl ether	ND		2.0	0.35	ug/L		04/15/16 09:10	04/18/16 09:26	1
Butylbenzylphthalate	ND		1.0	0.22	ug/L		04/15/16 09:10	04/18/16 09:26	1
Carbazole	ND		1.0	0.11	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chloroaniline	ND		2.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chloro-3-methylphenol	ND		2.0	0.28	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Chloronaphthalene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Chlorophenol	ND		1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		04/15/16 09:10	04/18/16 09:26	1
Chrysene	ND		0.20	0.035	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dibenzofuran	ND		1.0	0.14	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.35	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dichlorophenol	ND		2.0	0.29	ug/L		04/15/16 09:10	04/18/16 09:26	1
Diethyl phthalate	0.212	J	1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dimethylphenol	ND		2.0	0.31	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dimethyl phthalate	ND		1.0	0.10	ug/L		04/15/16 09:10	04/18/16 09:26	1
Di-n-butyl phthalate	ND		1.0	0.40	ug/L		04/15/16 09:10	04/18/16 09:26	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.53	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dinitrophenol	ND		40	6.1	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dinitrotoluene	ND		5.0	0.26	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,6-Dinitrotoluene	ND		5.0	0.24	ug/L		04/15/16 09:10	04/18/16 09:26	1
Di-n-octyl phthalate	ND		1.0	0.37	ug/L		04/15/16 09:10	04/18/16 09:26	1
Fluoranthene	ND		0.20	0.027	ug/L		04/15/16 09:10	04/18/16 09:26	1
Fluorene	ND		0.20	0.034	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorobenzene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorobutadiene	ND		1.0	0.14	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorocyclopentadiene	ND		10	2.5	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachloroethane	ND		1.0	0.22	ug/L		04/15/16 09:10	04/18/16 09:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.048	ug/L		04/15/16 09:10	04/18/16 09:26	1
Isophorone	ND		1.0	0.042	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Methylnaphthalene	ND		0.20	0.037	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Methylphenol	ND		1.0	0.19	ug/L		04/15/16 09:10	04/18/16 09:26	1
3 & 4 Methylphenol	ND		2.0	0.34	ug/L		04/15/16 09:10	04/18/16 09:26	1
Naphthalene	ND		0.20	0.043	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Nitroaniline	ND		2.0	0.31	ug/L		04/15/16 09:10	04/18/16 09:26	1
3-Nitroaniline	ND		2.0	0.27	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Nitroaniline	ND		2.0	0.24	ug/L		04/15/16 09:10	04/18/16 09:26	1
Nitrobenzene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Nitrophenol	ND		2.0	0.21	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Nitrophenol	ND		5.0	0.59	ug/L		04/15/16 09:10	04/18/16 09:26	1
N-Nitrosodi-n-propylamine	ND		1.0	0.16	ug/L		04/15/16 09:10	04/18/16 09:26	1
N-Nitrosodiphenylamine	ND		1.0	0.11	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.18	ug/L		04/15/16 09:10	04/18/16 09:26	1
Pentachlorophenol	ND		40	5.5	ug/L		04/15/16 09:10	04/18/16 09:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-226115/8-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.20	0.031	ug/L		04/15/16 09:10	04/18/16 09:26	1
Phenol	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
Pyrene	ND		0.20	0.028	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4,5-Trichlorophenol	ND		5.0	0.37	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4,6-Trichlorophenol	ND		5.0	0.26	ug/L		04/15/16 09:10	04/18/16 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*29 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
2-Fluorophenol (Surr)	*60*		*15 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Phenol-d5 (Surr)	*41*		*10 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Terphenyl-d14 (Surr)	*71*		*31 - 115*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*21 - 128*	*04/15/16 09:10*	*04/18/16 09:26*	*1*

Lab Sample ID: LCS 240-226115/9-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	25.9		ug/L		81	48 - 120
Acenaphthylene	32.0	26.4		ug/L		82	47 - 120
Anthracene	32.0	26.3		ug/L		82	50 - 120
Benzo[a]anthracene	32.0	27.1		ug/L		85	46 - 120
Benzo[a]pyrene	32.0	28.2		ug/L		88	49 - 120
Benzo[b]fluoranthene	32.0	28.6		ug/L		89	49 - 120
Benzo[g,h,i]perylene	32.0	30.4		ug/L		95	48 - 120
Benzo[k]fluoranthene	32.0	28.7		ug/L		90	50 - 120
Bis(2-chloroethoxy)methane	32.0	27.7		ug/L		87	54 - 120
Bis(2-chloroethyl)ether	32.0	24.7		ug/L		77	51 - 120
Bis(2-ethylhexyl) phthalate	32.0	29.0		ug/L		91	30 - 156
4-Bromophenyl phenyl ether	32.0	25.8		ug/L		81	49 - 120
Butylbenzylphthalate	32.0	28.0		ug/L		88	40 - 125
Carbazole	32.0	31.5		ug/L		98	46 - 127
4-Chloroaniline	32.0	12.9		ug/L		40	20 - 136
4-Chloro-3-methylphenol	32.0	28.9		ug/L		90	55 - 120
2-Chloronaphthalene	32.0	26.2		ug/L		82	43 - 120
2-Chlorophenol	32.0	29.0		ug/L		91	53 - 120
4-Chlorophenyl phenyl ether	32.0	26.7		ug/L		83	48 - 120
Chrysene	32.0	27.0		ug/L		84	45 - 120
Dibenz(a,h)anthracene	32.0	31.0		ug/L		97	49 - 120
Dibenzofuran	32.0	26.1		ug/L		82	45 - 120
1,2-Dichlorobenzene	32.0	25.1		ug/L		78	40 - 160
1,3-Dichlorobenzene	32.0	24.0		ug/L		75	40 - 160
1,4-Dichlorobenzene	32.0	24.1		ug/L		75	40 - 160
3,3'-Dichlorobenzidine	64.0	20.7		ug/L		32	30 - 120
2,4-Dichlorophenol	32.0	27.3		ug/L		85	54 - 120
Diethyl phthalate	32.0	26.3		ug/L		82	48 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-226115/9-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	32.0	27.7		ug/L		86	40 - 125
Dimethyl phthalate	32.0	26.3		ug/L		82	50 - 120
Di-n-butyl phthalate	32.0	27.6		ug/L		86	40 - 160
4,6-Dinitro-2-methylphenol	64.0	63.8		ug/L		100	40 - 120
2,4-Dinitrophenol	64.0	64.3		ug/L		100	30 - 120
2,4-Dinitrotoluene	32.0	28.2		ug/L		88	50 - 120
2,6-Dinitrotoluene	32.0	27.7		ug/L		86	52 - 120
Di-n-octyl phthalate	32.0	29.4		ug/L		92	40 - 128
Fluoranthene	32.0	27.8		ug/L		87	50 - 120
Fluorene	32.0	26.1		ug/L		82	50 - 120
Hexachlorobenzene	32.0	27.0		ug/L		84	46 - 120
Hexachlorobutadiene	32.0	24.4		ug/L		76	30 - 120
Hexachlorocyclopentadiene	32.0	22.0		ug/L		69	4 - 120
Hexachloroethane	32.0	23.9		ug/L		75	30 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.3		ug/L		98	48 - 140
Isophorone	32.0	27.8		ug/L		87	52 - 120
2-Methylnaphthalene	32.0	25.6		ug/L		80	46 - 120
2-Methylphenol	32.0	28.1		ug/L		88	52 - 120
3 & 4 Methylphenol	32.0	28.4		ug/L		89	50 - 120
Naphthalene	32.0	25.9		ug/L		81	45 - 120
2-Nitroaniline	32.0	29.4		ug/L		92	47 - 120
3-Nitroaniline	32.0	31.3		ug/L		98	40 - 144
4-Nitroaniline	32.0	35.6		ug/L		111	40 - 135
Nitrobenzene	32.0	28.3		ug/L		88	54 - 120
2-Nitrophenol	32.0	30.1		ug/L		94	53 - 120
4-Nitrophenol	64.0	37.4		ug/L		58	30 - 120
N-Nitrosodi-n-propylamine	32.0	28.1		ug/L		88	52 - 117
N-Nitrosodiphenylamine	32.0	25.7		ug/L		80	47 - 109
2,2'-oxybis[1-chloropropane]	32.0	28.6		ug/L		89	45 - 112
Pentachlorophenol	64.0	49.8		ug/L		78	30 - 120
Phenanthrene	32.0	26.1		ug/L		81	50 - 120
Phenol	32.0	20.7		ug/L		65	40 - 120
Pyrene	32.0	25.4		ug/L		79	49 - 114
1,2,4-Trichlorobenzene	32.0	25.2		ug/L		79	40 - 160
2,4,5-Trichlorophenol	32.0	28.9		ug/L		90	49 - 120
2,4,6-Trichlorophenol	32.0	28.8		ug/L		90	50 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*29 - 110*
2-Fluorophenol (Surr)	*94*		*15 - 110*
Nitrobenzene-d5 (Surr)	*89*		*31 - 110*
Phenol-d5 (Surr)	*63*		*10 - 110*
Terphenyl-d14 (Surr)	*89*		*31 - 115*
2,4,6-Tribromophenol (Surr)	*90*		*21 - 128*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63452-1 MS
Matrix: Water
Analysis Batch: 226279

Client Sample ID: SW-041216-AG-001
Prep Type: Total/NA
Prep Batch: 226115

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		28.6	18.5		ug/L		65	10 - 160
Acenaphthylene	ND		28.6	18.9		ug/L		66	10 - 160
Anthracene	ND		28.6	19.9		ug/L		70	10 - 160
Benzo[a]anthracene	ND		28.6	21.1		ug/L		74	10 - 160
Benzo[a]pyrene	ND		28.6	22.1		ug/L		77	10 - 160
Benzo[b]fluoranthene	ND		28.6	23.2		ug/L		81	10 - 160
Benzo[g,h,i]perylene	ND		28.6	21.5		ug/L		75	10 - 160
Benzo[k]fluoranthene	ND		28.6	22.7		ug/L		80	10 - 160
Bis(2-chloroethoxy)methane	ND		28.6	22.1		ug/L		77	10 - 160
Bis(2-chloroethyl)ether	ND		28.6	18.0		ug/L		63	10 - 160
Bis(2-ethylhexyl) phthalate	ND		28.6	22.6		ug/L		79	10 - 160
4-Bromophenyl phenyl ether	ND		28.6	19.6		ug/L		69	10 - 160
Butylbenzylphthalate	ND		28.6	22.4		ug/L		78	10 - 160
Carbazole	ND		28.6	25.3		ug/L		88	10 - 160
4-Chloroaniline	ND	F1 F2	28.6	1.94	F1	ug/L		7	10 - 160
4-Chloro-3-methylphenol	ND		28.6	22.7		ug/L		79	10 - 160
2-Chloronaphthalene	ND		28.6	18.3		ug/L		64	10 - 160
2-Chlorophenol	ND		28.6	21.3		ug/L		75	10 - 160
4-Chlorophenyl phenyl ether	ND		28.6	19.5		ug/L		68	10 - 160
Chrysene	ND		28.6	21.2		ug/L		74	10 - 160
Dibenz(a,h)anthracene	ND		28.6	22.4		ug/L		78	10 - 160
Dibenzofuran	ND		28.6	18.6		ug/L		65	10 - 160
1,2-Dichlorobenzene	ND		28.6	16.3		ug/L		57	10 - 160
1,3-Dichlorobenzene	ND		28.6	15.5		ug/L		54	10 - 160
1,4-Dichlorobenzene	ND		28.6	15.7		ug/L		55	10 - 160
3,3'-Dichlorobenzidine	ND	F2	57.1	6.29		ug/L		11	10 - 160
2,4-Dichlorophenol	ND		28.6	21.6		ug/L		76	10 - 160
Diethyl phthalate	ND		28.6	21.1		ug/L		74	10 - 160
2,4-Dimethylphenol	ND		28.6	20.5		ug/L		72	10 - 160
Dimethyl phthalate	ND		28.6	21.1		ug/L		74	10 - 160
Di-n-butyl phthalate	ND		28.6	21.9		ug/L		77	10 - 160
4,6-Dinitro-2-methylphenol	ND		57.1	43.0		ug/L		75	10 - 160
2,4-Dinitrophenol	ND		57.1	46.9		ug/L		82	10 - 160
2,4-Dinitrotoluene	ND		28.6	22.7		ug/L		79	10 - 160
2,6-Dinitrotoluene	ND		28.6	22.0		ug/L		77	10 - 160
Di-n-octyl phthalate	ND		28.6	23.6		ug/L		83	10 - 160
Fluoranthene	ND		28.6	21.6		ug/L		76	10 - 160
Fluorene	ND		28.6	19.2		ug/L		67	10 - 160
Hexachlorobenzene	ND		28.6	20.2		ug/L		71	10 - 160
Hexachlorobutadiene	ND		28.6	16.3		ug/L		57	10 - 160
Hexachlorocyclopentadiene	ND		28.6	13.6		ug/L		48	10 - 160
Hexachloroethane	ND		28.6	15.5		ug/L		54	10 - 160
Indeno[1,2,3-cd]pyrene	ND		28.6	22.5		ug/L		79	10 - 160
Isophorone	ND		28.6	22.0		ug/L		77	10 - 160
2-Methylnaphthalene	ND		28.6	18.1		ug/L		63	10 - 160
2-Methylphenol	ND		28.6	20.6		ug/L		72	10 - 160
3 & 4 Methylphenol	ND		28.6	20.9		ug/L		73	10 - 160
Naphthalene	ND		28.6	18.2		ug/L		64	10 - 160

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63452-1 MS — **Client Sample ID: SW-041216-AG-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226279 — **Prep Batch: 226115**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	ND		28.6	23.4		ug/L		82	10 - 160
3-Nitroaniline	ND		28.6	20.7		ug/L		73	10 - 160
4-Nitroaniline	ND		28.6	26.3		ug/L		92	10 - 160
Nitrobenzene	ND		28.6	21.9		ug/L		77	10 - 160
2-Nitrophenol	ND		28.6	22.9		ug/L		80	10 - 160
4-Nitrophenol	ND		57.1	29.1		ug/L		51	10 - 160
N-Nitrosodi-n-propylamine	ND		28.6	21.1		ug/L		74	10 - 160
N-Nitrosodiphenylamine	ND		28.6	18.6		ug/L		65	10 - 160
2,2'-oxybis[1-chloropropane]	ND		28.6	20.5		ug/L		72	10 - 160
Pentachlorophenol	ND		57.1	42.7		ug/L		75	10 - 160
Phenanthrene	ND		28.6	20.3		ug/L		71	10 - 160
Phenol	ND		28.6	13.8		ug/L		48	10 - 160
Pyrene	ND		28.6	20.1		ug/L		70	10 - 160
1,2,4-Trichlorobenzene	ND		28.6	17.1		ug/L		60	10 - 160
2,4,5-Trichlorophenol	ND		28.6	22.7		ug/L		79	10 - 160
2,4,6-Trichlorophenol	ND		28.6	22.6		ug/L		79	10 - 160

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*67*		*29 - 110*
2-Fluorophenol (Surr)	*72*		*15 - 110*
Nitrobenzene-d5 (Surr)	*76*		*31 - 110*
Phenol-d5 (Surr)	*47*		*10 - 110*
Terphenyl-d14 (Surr)	*78*		*31 - 115*
2,4,6-Tribromophenol (Surr)	*80*		*21 - 128*

Lab Sample ID: 240-63452-1 MSD — **Client Sample ID: SW-041216-AG-001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 226279 — **Prep Batch: 226115**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		28.6	19.7		ug/L		69	10 - 160	6	30
Acenaphthylene	ND		28.6	20.1		ug/L		70	10 - 160	6	30
Anthracene	ND		28.6	21.0		ug/L		73	10 - 160	5	30
Benzo[a]anthracene	ND		28.6	21.6		ug/L		76	10 - 160	2	30
Benzo[a]pyrene	ND		28.6	23.1		ug/L		81	10 - 160	5	30
Benzo[b]fluoranthene	ND		28.6	24.1		ug/L		84	10 - 160	4	30
Benzo[g,h,i]perylene	ND		28.6	22.2		ug/L		78	10 - 160	3	30
Benzo[k]fluoranthene	ND		28.6	23.3		ug/L		82	10 - 160	3	30
Bis(2-chloroethoxy)methane	ND		28.6	22.6		ug/L		79	10 - 160	2	30
Bis(2-chloroethyl)ether	ND		28.6	19.4		ug/L		68	10 - 160	8	30
Bis(2-ethylhexyl) phthalate	ND		28.6	23.0		ug/L		80	10 - 160	2	30
4-Bromophenyl phenyl ether	ND		28.6	20.8		ug/L		73	10 - 160	6	30
Butylbenzylphthalate	ND		28.6	22.9		ug/L		80	10 - 160	3	30
Carbazole	ND		28.6	26.0		ug/L		91	10 - 160	3	30
4-Chloroaniline	ND	F1 F2	28.6	4.02	F2	ug/L		14	10 - 160	70	30
4-Chloro-3-methylphenol	ND		28.6	24.0		ug/L		84	10 - 160	6	30
2-Chloronaphthalene	ND		28.6	19.7		ug/L		69	10 - 160	7	30
2-Chlorophenol	ND		28.6	22.9		ug/L		80	10 - 160	7	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63452-1 MSD | **Client Sample ID: SW-041216-AG-001**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 226279 | **Prep Batch: 226115**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorophenyl phenyl ether	ND		28.6	20.9		ug/L		73	10 - 160	7	30
Chrysene	ND		28.6	21.6		ug/L		75	10 - 160	2	30
Dibenz(a,h)anthracene	ND		28.6	23.1		ug/L		81	10 - 160	3	30
Dibenzofuran	ND		28.6	20.2		ug/L		71	10 - 160	8	30
1,2-Dichlorobenzene	ND		28.6	17.6		ug/L		62	10 - 160	8	30
1,3-Dichlorobenzene	ND		28.6	17.0		ug/L		59	10 - 160	9	30
1,4-Dichlorobenzene	ND		28.6	17.4		ug/L		61	10 - 160	10	30
3,3'-Dichlorobenzidine	ND	F2	57.1	10.5	F2	ug/L		18	10 - 160	50	30
2,4-Dichlorophenol	ND		28.6	22.2		ug/L		78	10 - 160	3	30
Diethyl phthalate	ND		28.6	22.4		ug/L		79	10 - 160	6	30
2,4-Dimethylphenol	ND		28.6	22.4		ug/L		78	10 - 160	9	30
Dimethyl phthalate	ND		28.6	22.2		ug/L		78	10 - 160	5	30
Di-n-butyl phthalate	ND		28.6	22.9		ug/L		80	10 - 160	5	30
4,6-Dinitro-2-methylphenol	ND		57.1	44.3		ug/L		78	10 - 160	3	30
2,4-Dinitrophenol	ND		57.1	47.6		ug/L		83	10 - 160	2	30
2,4-Dinitrotoluene	ND		28.6	24.5		ug/L		86	10 - 160	8	30
2,6-Dinitrotoluene	ND		28.6	23.9		ug/L		84	10 - 160	8	30
Di-n-octyl phthalate	ND		28.6	25.1		ug/L		88	10 - 160	6	30
Fluoranthene	ND		28.6	22.5		ug/L		79	10 - 160	4	30
Fluorene	ND		28.6	20.5		ug/L		72	10 - 160	7	30
Hexachlorobenzene	ND		28.6	21.5		ug/L		75	10 - 160	6	30
Hexachlorobutadiene	ND		28.6	18.1		ug/L		63	10 - 160	11	30
Hexachlorocyclopentadiene	ND		28.6	14.3		ug/L		50	10 - 160	5	30
Hexachloroethane	ND		28.6	16.5		ug/L		58	10 - 160	7	30
Indeno[1,2,3-cd]pyrene	ND		28.6	23.3		ug/L		82	10 - 160	4	30
Isophorone	ND		28.6	23.1		ug/L		81	10 - 160	5	30
2-Methylnaphthalene	ND		28.6	18.6		ug/L		65	10 - 160	3	30
2-Methylphenol	ND		28.6	22.1		ug/L		77	10 - 160	7	30
3 & 4 Methylphenol	ND		28.6	22.4		ug/L		78	10 - 160	7	30
Naphthalene	ND		28.6	19.1		ug/L		67	10 - 160	5	30
2-Nitroaniline	ND		28.6	25.1		ug/L		88	10 - 160	7	30
3-Nitroaniline	ND		28.6	24.9		ug/L		87	10 - 160	18	30
4-Nitroaniline	ND		28.6	28.9		ug/L		101	10 - 160	9	30
Nitrobenzene	ND		28.6	22.9		ug/L		80	10 - 160	4	30
2-Nitrophenol	ND		28.6	24.1		ug/L		85	10 - 160	5	30
4-Nitrophenol	ND		57.1	30.4		ug/L		53	10 - 160	4	30
N-Nitrosodi-n-propylamine	ND		28.6	22.5		ug/L		79	10 - 160	6	30
N-Nitrosodiphenylamine	ND		28.6	19.3		ug/L		68	10 - 160	4	30
2,2'-oxybis[1-chloropropane]	ND		28.6	22.3		ug/L		78	10 - 160	8	30
Pentachlorophenol	ND		57.1	42.8		ug/L		75	10 - 160	0	30
Phenanthrene	ND		28.6	21.2		ug/L		74	10 - 160	4	30
Phenol	ND		28.6	15.5		ug/L		54	10 - 160	12	30
Pyrene	ND		28.6	20.9		ug/L		73	10 - 160	4	30
1,2,4-Trichlorobenzene	ND		28.6	18.4		ug/L		65	10 - 160	7	30
2,4,5-Trichlorophenol	ND		28.6	25.4		ug/L		89	10 - 160	11	30
2,4,6-Trichlorophenol	ND		28.6	24.2		ug/L		85	10 - 160	7	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63452-1 MSD
Matrix: Water
Analysis Batch: 226279

Client Sample ID: SW-041216-AG-001
Prep Type: Total/NA
Prep Batch: 226115

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		29 - 110
2-Fluorophenol (Surr)	65		15 - 110
Nitrobenzene-d5 (Surr)	79		31 - 110
Phenol-d5 (Surr)	52		10 - 110
Terphenyl-d14 (Surr)	78		31 - 115
2,4,6-Tribromophenol (Surr)	83		21 - 128

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

GC/MS VOA

Analysis Batch: 226933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63452-1	SW-041216-AG-001	Total/NA	Water	8260C	
240-63452-1 MS	SW-041216-AG-001	Total/NA	Water	8260C	
240-63452-1 MSD	SW-041216-AG-001	Total/NA	Water	8260C	
240-63452-2	SW-041216-AG-002	Total/NA	Water	8260C	
240-63452-3	FB-041216-AG-003	Total/NA	Water	8260C	
240-63452-4	TRIP BLANKS	Total/NA	Water	8260C	
LCS 240-226933/4	Lab Control Sample	Total/NA	Water	8260C	
MB 240-226933/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 226115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63452-1	SW-041216-AG-001	Total/NA	Water	3510C	
240-63452-1 MS	SW-041216-AG-001	Total/NA	Water	3510C	
240-63452-1 MSD	SW-041216-AG-001	Total/NA	Water	3510C	
240-63452-2	SW-041216-AG-002	Total/NA	Water	3510C	
240-63452-3	FB-041216-AG-003	Total/NA	Water	3510C	
LCS 240-226115/9-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-226115/8-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 226279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63452-1	SW-041216-AG-001	Total/NA	Water	8270D	226115
240-63452-1 MS	SW-041216-AG-001	Total/NA	Water	8270D	226115
240-63452-1 MSD	SW-041216-AG-001	Total/NA	Water	8270D	226115
240-63452-2	SW-041216-AG-002	Total/NA	Water	8270D	226115
240-63452-3	FB-041216-AG-003	Total/NA	Water	8270D	226115
LCS 240-226115/9-A	Lab Control Sample	Total/NA	Water	8270D	226115
MB 240-226115/8-A	Method Blank	Total/NA	Water	8270D	226115

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Client Sample ID: SW-041216-AG-001 — Lab Sample ID: 240-63452-1

Date Collected: 04/12/16 14:25 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 17:15	LEE	TAL CAN
Total/NA	Prep	3510C			226115	04/15/16 09:10	CS	TAL CAN
Total/NA	Analysis	8270D		1	226279	04/18/16 15:16	TMH	TAL CAN

Client Sample ID: SW-041216-AG-002 — Lab Sample ID: 240-63452-2

Date Collected: 04/12/16 14:40 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 17:37	LEE	TAL CAN
Total/NA	Prep	3510C			226115	04/15/16 09:10	CS	TAL CAN
Total/NA	Analysis	8270D		1	226279	04/18/16 14:51	TMH	TAL CAN

Client Sample ID: FB-041216-AG-003 — Lab Sample ID: 240-63452-3

Date Collected: 04/12/16 14:52 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 18:00	LEE	TAL CAN
Total/NA	Prep	3510C			226115	04/15/16 09:10	CS	TAL CAN
Total/NA	Analysis	8270D		1	226279	04/18/16 14:26	TMH	TAL CAN

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-63452-4

Date Collected: 04/12/16 00:00 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	226933	04/21/16 18:23	LEE	TAL CAN

Laboratory References:

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

Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 SW

TestAmerica Job ID: 240-63452-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-16 *
Illinois	NELAP	5	200004	07-31-16 *
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-23-17
Kentucky (WW)	State Program	4	98016	12-31-16
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-16
Nevada	State Program	9	OH-000482008A	07-31-16 *
New Jersey	NELAP	2	OH001	06-30-16 *
New York	NELAP	2	10975	03-31-17
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-17
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-17
West Virginia DEP	State Program	3	210	12-31-16
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-63452 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

TestAm Columbus
THE LEADER IN ENVIR
240507

Client Information	Sampler: A. Graham	Lab PM: O'Meara, Patrick J	Carrier Tracking No(s):	COC No: 240-33812-14693.1
Client Contact: Mr. Andy Graham	Phone: (614) 888-5760	E-Mail: patrick.omeara@testamericainc.com		Page: Page 1 of 1
Company: Eagon & Associates, Inc.				Job #:
Address: 100 Old Wilson Bridge Road Suite 115	Due Date Requested: STANDARD			
City: Worthington	TAT Requested (days): STANDARD			
State, Zip: OH, 43085				
Phone: 614-888-5760(Tel) 614-888-5763(Fax)	PO #: Purchase Order not required			
Email: a.graham@eagoninc.com / msibson@eagoninc.com	WO #:			
Project Name: Summit National 2016 SW	Project #: 24016004			
Site: Summit National	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) Project TCL SVOCs	8260C - (MOD) Project TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
SW-041216-AG-001	4/12/16	1425	GRAB	Water	N	N	X	X	5	
SW-041216-AG-001 MS		1425		Water	N	Y	X	X	5	
SW-041216-AG-001 MSD		1425		Water	N	Y	X	X	5	
SW-041216-AG-002		1440		Water	N	N	X	X	5	
FB-041216-AG-003		1452		Water	N	N	X	X	5	
				~~Water~~						
TRIP BLANKS	—	—	—	Water	N	N		X	2	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Sean Robertson / Sean Robertson	Date/Time: 4/13/16 / 1600	Company: Eagon	Received by: [signature]	Date/Time: 4-13-16 1600	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative Login # 63452
Canton Facility

Client Eagon + Assoc Site Name

Cooler unpacked by: Cherry Burns

Cooler Received on 4/13/16 Opened on 4/14/16

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

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

TestAmerica Cooler # Columbus Foam Box Client Cooler Box Other

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# 48 (CF -1.9 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
   IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
   IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp. 5.6 °C Corrected Cooler Temp. 5.1 °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 12-16 have been checked at the originating laboratory.
12. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC559158
13. Were VOAs on the COC? Yes No
14. Were air bubbles >6 mm in any VOA vials? Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B531501VB Yes No
16. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM Date by via Verbal Voice Mail Other

Concerning

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

18. 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)

19. 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
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI-NC-099X-011816 Cooler Receipt Form.doc djl

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: Surface Water

WELL DATA

Water-Level Date	(MM DD YY)	**Water-Level Time**	(2400 Hr. Clock)	**Purge/Sample Method:** GRAB	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 —

Sampling Device —

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

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)
041216	1425		656	733	93	25.1	

FIELD COMMENTS

Sample Appearance: — Odor: None Color: Clear Other: —

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

Specific Comments (including purge/well volume calculations if required): Surface water sample collected by filling sample bottles directly from ~2" below water surface from near confluence of S&E ditches near SE corner of site.

Sample I.D. #: SW-041216-AG-001
SW-041216-AG-001MS
SW-041216-AG-001MSD

Samples Collected:
TCL VOCs: TCL SVOCs

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

Date	Name	Signature	Company
4/12/16	Andrew D Graham	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: Surface Water Dup

WELL DATA

Water-Level Date (MM DD YY) | **Water-Level Time** (2400 Hr. Clock) | **Purge/Sample Method:** GRAB 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)
041216	1440		660	731	91	33.0	

Sample Appearance: ____ Odor: None Color: Clear Other: ____

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

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

FIELD COMMENTS

Collected duplicate sample of surface water at the same time and in the same manner as the original surface water sample.

Sample I.D.#: SW-041216-AG-002

Samples Collected: TCL VOCs; TCL SVOCs

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

Date	Name	Signature	Company
4,12,16	Andrew D. Graham	[signature]	Engon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: Surface Water Field Blank

WELL DATA

Water-Level Date (MM DD YY) | **Water-Level Time** (2400 Hr. Clock) | **Purge/Sample Method:** GRAB (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 —
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)
04/12/16	14:52						

Sample Appearance: — Odor: None Color: Clear Other: —

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

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

FIELD COMMENTS

Collected surface water field blank sample by pouring lab-supplied water directly into sample bottles near the surface water collection point at SE corner of site.

Sample I.D. #: FB-041216-AG-003 Samples Collected: TCL VOCs; TCL SVOCs

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

Date	Name	Signature	Company
4/12/16	Andrew D. Graham	[signature]	Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD METER CALIBRATION RECORD

Project Name: Summit National Sampler(s): ~~N Karow~~ A. Graham

pH Meter(s): Make/Model/Serial No: Oakton 300 S/N ~~180251~~ 456065

Buffer Brand/Expiration: pH 4 IE / 12-16 ; pH 7 IE / 5-7-17 ; 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)
4/12/16	1415	Calibrate	4.01	7.03	—	12.5

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton 300 S/N 180251

Cond. Solution Brand/Expiration: IE / 5-6-16 (1413) IE / 8-18-16 (4490) Cond. Solution Value (@ 25 °C): 1413 / 4490

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/16	1418	Calibrate	1420	12.4	

Turbidity Meter(s): Make/Model/Serial No: HACH 2100QP S/N ~~14110C037172~~ 0803028813

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/16	1420	Check	5.37	5.50	

Sampler (Name): Andrew D. Graham ~~Nick A Karow~~ 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: 240-63453-1
Client Project/Site: Summit National 2016 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:
4/25/2016 5:08:40 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 2016 Sediment

TestAmerica Job ID: 240-63453-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.

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.
E	Result exceeded calibration range.

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: 240-63453-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Eagon & Associates, Inc.

Project: Summit National 2016 Sediment

Report Number: 240-63453-1

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 4/13/2016 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SD-041216-AG-004 (240-63453-1) and SD-041216-AG-005 (240-63453-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 04/14/2016 and analyzed on 04/16/2016.

Chloroform was detected in method blank MB 240-226181/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) associated with analytical batch 226215 recovered above the upper control limit for: 1,1,2,2-Tetrachloroethane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, and Styrene. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: SD-041216-AG-004 (240-63453-1) and SD-041216-AG-005 (240-63453-2).

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-041216-AG-006 (240-63453-3) and TRIP BLANKS (240-63453-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/22/2016.

Job ID: 240-63453-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

The laboratory control sample (LCS) for 227157 recovered above control limits for Bromomethane. The following samples associated with this LCS were non-detect for bromomethane; therefore, re-extraction/re-analysis was not performed: RB-041216-AG-006 (240-63453-3) and TRIP BLANKS (240-63453-4).

The continuing calibration verification (CCV) associated with batch 227157 recovered above the upper control limit for Bromomethane and Trichlorofluoromethane. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: RB-041216-AG-006 (240-63453-3) and TRIP BLANKS (240-63453-4).

The continuing calibration verification (CCV) analyzed in batch 240-227157 was outside the method criteria for the following analytes: 2-Butanone and 2-Hexanone. A CCV standard at or below the reporting limit (RL) was analyzed with the following affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated: RB-041216-AG-006 (240-63453-3) and TRIP BLANKS (240-63453-4).

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

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples SD-041216-AG-004 (240-63453-1) and SD-041216-AG-005 (240-63453-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/15/2016 and analyzed on 04/21/2016.

3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene and Pentachlorophenol failed the recovery criteria low for the MS of sample SD-041216-AG-004MS (240-63453-1) in batch 240-226914.

For the MSD of sample SD-041216-AG-004 (240-63453-1) in batch 240-226914, 3,3'-Dichlorobenzidine, 3-Nitroaniline, Hexachlorocyclopentadiene and Pentachlorophenol failed the recovery criteria low. 2-Methylnaphthalene and Naphthalene failed the recovery criteria high. Also, 2-Methylnaphthalene, 3-Nitroaniline, 4-Chloroaniline and 4-Nitroaniline exceeded the RPD limit.

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-041216-AG-006 (240-63453-3) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The sample was prepared on 04/15/2016 and analyzed on 04/18/2016.

Diethyl phthalate was detected in method blank MB 240-226115/8-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The (CCV) associated with batch 226279 recovered above the upper control limit for 2,4-Dinitrophenol. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: RB-041216-AG-006 (240-63453-3) and (240-63452-J-1-A).

The continuing calibration verification (CCV) associated with batch 226279 recovered low for 3-Nitroaniline. The following samples associated with this CCV were non-detct (ND) for this analyte, and a limit of detection verification (LODV) was analyzed at the RL to support the ND results: RB-041216-AG-006 (240-63453-3) and (240-63452-J-1-A).

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

PERCENT SOLIDS

Samples SD-041216-AG-004 (240-63453-1) and SD-041216-AG-005 (240-63453-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/14/2016.

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 2016 Sediment

TestAmerica Job ID: 240-63453-1

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 2016 Sediment

TestAmerica Job ID: 240-63453-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-63453-1	SD-041216-AG-004	Solid	04/12/16 16:15	04/13/16 16:00
240-63453-2	SD-041216-AG-005	Solid	04/12/16 16:22	04/13/16 16:00
240-63453-3	RB-041216-AG-006	Water	04/12/16 16:32	04/13/16 16:00
240-63453-4	TRIP BLANKS	Water	04/12/16 00:00	04/13/16 16:00

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-004 — Lab Sample ID: 240-63453-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.50	J B	5.2	0.37	ug/Kg	1	☼	8260C	Total/NA
Acenaphthene	10		8.7	0.99	ug/Kg	1	☼	8270D	Total/NA
Anthracene	12		8.7	1.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	39		8.7	0.82	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	40		8.7	0.84	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	76		8.7	0.77	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	130		8.7	0.46	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	20		8.7	0.89	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	33	J	91	25	ug/Kg	1	☼	8270D	Total/NA
Butylbenzylphthalate	52	J	91	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	70		8.7	1.4	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	11		8.7	0.86	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	140		65	0.86	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	25	J	91	20	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	89		8.7	0.72	ug/Kg	1	☼	8270D	Total/NA
Fluorene	19		8.7	0.69	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	31		8.7	0.46	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	660	F1 F2	8.7	0.65	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	440	F1	8.7	1.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	320		8.7	0.95	ug/Kg	1	☼	8270D	Total/NA
Pyrene	110		8.7	0.57	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SD-041216-AG-005 — Lab Sample ID: 240-63453-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.57	J B	5.4	0.39	ug/Kg	1	☼	8260C	Total/NA
2-Hexanone	0.76	J	21	0.73	ug/Kg	1	☼	8260C	Total/NA
Acenaphthene	8.7	J	9.1	1.0	ug/Kg	1	☼	8270D	Total/NA
Anthracene	14		9.1	1.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	39		9.1	0.86	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	41		9.1	0.87	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	72		9.1	0.80	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	160		9.1	0.48	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	20		9.1	0.93	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	42	J	95	26	ug/Kg	1	☼	8270D	Total/NA
Chrysene	78		9.1	1.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	13		9.1	0.90	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	130		68	0.90	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	23	J	95	20	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	120		9.1	0.75	ug/Kg	1	☼	8270D	Total/NA
Fluorene	18		9.1	0.72	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	34		9.1	0.48	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	500		9.1	0.68	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	330		9.1	1.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	380		9.1	0.99	ug/Kg	1	☼	8270D	Total/NA
Pyrene	130		9.1	0.60	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: RB-041216-AG-006 — Lab Sample ID: 240-63453-3

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: TRIP BLANKS — Lab Sample ID: 240-63453-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	0.94	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-004

Date Collected: 04/12/16 16:15
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-1

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	5.9	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Benzene	ND		5.2	0.93	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Bromodichloromethane	ND		5.2	0.30	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Bromoform	ND		5.2	0.25	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Bromomethane	ND		5.2	0.44	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
2-Butanone	ND		21	1.2	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Carbon disulfide	ND		5.2	0.61	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Carbon tetrachloride	ND		5.2	0.67	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Chlorobenzene	ND		5.2	0.55	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Chloroethane	ND		5.2	0.46	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Chloroform	**0.50**	**J B**	5.2	0.37	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Chloromethane	ND		5.2	0.82	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
cis-1,3-Dichloropropene	ND		5.2	0.74	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Dibromochloromethane	ND		5.2	0.38	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,1-Dichloroethane	ND		5.2	0.35	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,2-Dichloroethane	ND		5.2	0.48	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,1-Dichloroethene	ND		5.2	0.83	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,2-Dichloroethene, Total	ND		10	0.61	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,2-Dichloropropane	ND		5.2	0.15	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Ethylbenzene	ND		5.2	0.33	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
2-Hexanone	ND		21	0.71	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Methylene Chloride	ND		5.2	0.77	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
4-Methyl-2-pentanone	ND		21	1.3	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Styrene	ND		5.2	0.41	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.32	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Tetrachloroethene	ND		5.2	0.83	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Toluene	ND		5.2	0.28	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
trans-1,3-Dichloropropene	ND		5.2	0.30	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,1,1-Trichloroethane	ND		5.2	0.67	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
1,1,2-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Trichloroethene	ND		5.2	0.39	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Vinyl chloride	ND		5.2	0.31	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1
Xylenes, Total	ND		10	0.56	ug/Kg	☼	04/14/16 13:11	04/16/16 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*52 - 136*	*04/14/16 13:11*	*04/16/16 03:57*	*1*
Dibromofluoromethane (Surr)	*98*		*37 - 132*	*04/14/16 13:11*	*04/16/16 03:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*58 - 123*	*04/14/16 13:11*	*04/16/16 03:57*	*1*
Toluene-d8 (Surr)	*110*		*67 - 125*	*04/14/16 13:11*	*04/16/16 03:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**10**		8.7	0.99	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Acenaphthylene	ND		8.7	0.46	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Anthracene	**12**		8.7	1.0	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Benzo[a]anthracene	**39**		8.7	0.82	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Benzo[a]pyrene	**40**		8.7	0.84	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Benzo[b]fluoranthene	**76**		8.7	0.77	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Benzo[g,h,i]perylene	**130**		8.7	0.46	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Benzo[k]fluoranthene	**20**		8.7	0.89	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-004
Date Collected: 04/12/16 16:15
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-1
Matrix: Solid
Percent Solids: 77.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		130	29	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Bis(2-chloroethyl)ether	ND		130	2.6	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Bis(2-ethylhexyl) phthalate	**33**	**J**	91	25	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Bromophenyl phenyl ether	ND		65	17	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Butylbenzylphthalate	**52**	**J**	91	13	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Carbazole	ND		65	35	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Chloroaniline	ND	F2	200	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Chloro-3-methylphenol	ND		200	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Chloronaphthalene	ND		65	0.59	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Chlorophenol	ND		65	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Chlorophenyl phenyl ether	ND		65	17	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Chrysene	**70**		8.7	1.4	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Dibenz(a,h)anthracene	**11**		8.7	0.86	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Dibenzofuran	**140**		65	0.86	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
1,2-Dichlorobenzene	ND		65	13	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
1,3-Dichlorobenzene	ND		65	14	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
1,4-Dichlorobenzene	ND		65	26	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
3,3'-Dichlorobenzidine	ND	F1	130	24	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4-Dichlorophenol	ND		200	26	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Diethyl phthalate	ND		91	21	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4-Dimethylphenol	ND		200	26	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Dimethyl phthalate	ND		91	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Di-n-butyl phthalate	**25**	**J**	91	20	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4,6-Dinitro-2-methylphenol	ND		200	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4-Dinitrophenol	ND		430	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4-Dinitrotoluene	ND		260	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,6-Dinitrotoluene	ND		260	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Di-n-octyl phthalate	ND		91	10	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Fluoranthene	**89**		8.7	0.72	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Fluorene	**19**		8.7	0.69	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Hexachlorobenzene	ND		8.7	2.7	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Hexachlorobutadiene	ND		65	7.3	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Hexachlorocyclopentadiene	ND	F1	430	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Hexachloroethane	ND		65	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Indeno[1,2,3-cd]pyrene	**31**		8.7	0.46	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Isophorone	ND		65	17	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Methylnaphthalene	**660**	**F1 F2**	8.7	0.65	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Methylphenol	ND		260	14	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
3 & 4 Methylphenol	ND		520	26	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Naphthalene	**440**	**F1**	8.7	1.1	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Nitroaniline	ND		260	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
3-Nitroaniline	ND	F1 F2	260	21	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Nitroaniline	ND	F2	260	34	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Nitrobenzene	ND		130	2.9	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2-Nitrophenol	ND		65	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
4-Nitrophenol	ND		430	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
N-Nitrosodi-n-propylamine	ND		65	8.2	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
N-Nitrosodiphenylamine	ND		65	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,2'-oxybis[1-chloropropane]	ND		130	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-004

Date Collected: 04/12/16 16:15
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-1

Matrix: Solid
Percent Solids: 77.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	F1	200	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Phenanthrene	**320**		8.7	0.95	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Phenol	ND		65	9.5	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
Pyrene	**110**		8.7	0.57	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
1,2,4-Trichlorobenzene	ND		65	4.6	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4,5-Trichlorophenol	ND		200	33	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1
2,4,6-Trichlorophenol	ND		200	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*24 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*
2-Fluorophenol (Surr)	*61*		*24 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*
Nitrobenzene-d5 (Surr)	*61*		*20 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*
Phenol-d5 (Surr)	*68*		*26 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*
Terphenyl-d14 (Surr)	*73*		*36 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*
2,4,6-Tribromophenol (Surr)	*42*		*10 - 110*	*04/15/16 08:15*	*04/21/16 17:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**77.1**		0.1	0.1	%			04/14/16 09:36	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-005

Date Collected: 04/12/16 16:22
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-2

Matrix: Solid
Percent Solids: 74.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	6.1	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Benzene	ND		5.4	0.97	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Bromodichloromethane	ND		5.4	0.31	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Bromoform	ND		5.4	0.26	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Bromomethane	ND		5.4	0.45	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
2-Butanone	ND		21	1.2	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Carbon disulfide	ND		5.4	0.63	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Carbon tetrachloride	ND		5.4	0.70	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Chlorobenzene	ND		5.4	0.57	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Chloroethane	ND		5.4	0.47	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Chloroform	**0.57**	**J B**	5.4	0.39	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Chloromethane	ND		5.4	0.85	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
cis-1,3-Dichloropropene	ND		5.4	0.76	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Dibromochloromethane	ND		5.4	0.40	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,1-Dichloroethane	ND		5.4	0.36	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,2-Dichloroethane	ND		5.4	0.49	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,1-Dichloroethene	ND		5.4	0.86	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,2-Dichloroethene, Total	ND		11	0.63	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,2-Dichloropropane	ND		5.4	0.15	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Ethylbenzene	ND		5.4	0.34	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
2-Hexanone	**0.76**	**J**	21	0.73	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Methylene Chloride	ND		5.4	0.79	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
4-Methyl-2-pentanone	ND		21	1.3	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Styrene	ND		5.4	0.43	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.33	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Tetrachloroethene	ND		5.4	0.86	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Toluene	ND		5.4	0.29	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
trans-1,3-Dichloropropene	ND		5.4	0.31	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,1,1-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
1,1,2-Trichloroethane	ND		5.4	0.40	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Trichloroethene	ND		5.4	0.41	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Vinyl chloride	ND		5.4	0.32	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1
Xylenes, Total	ND		11	0.58	ug/Kg	☼	04/14/16 14:00	04/16/16 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*52 - 136*	*04/14/16 14:00*	*04/16/16 05:03*	*1*
Dibromofluoromethane (Surr)	*105*		*37 - 132*	*04/14/16 14:00*	*04/16/16 05:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*58 - 123*	*04/14/16 14:00*	*04/16/16 05:03*	*1*
Toluene-d8 (Surr)	*120*		*67 - 125*	*04/14/16 14:00*	*04/16/16 05:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**8.7**	**J**	9.1	1.0	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Acenaphthylene	ND		9.1	0.48	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Anthracene	**14**		9.1	1.1	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Benzo[a]anthracene	**39**		9.1	0.86	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Benzo[a]pyrene	**41**		9.1	0.87	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Benzo[b]fluoranthene	**72**		9.1	0.80	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Benzo[g,h,i]perylene	**160**		9.1	0.48	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Benzo[k]fluoranthene	**20**		9.1	0.93	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1

Client Sample ID: SD-041216-AG-005

Date Collected: 04/12/16 16:22
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-2

Matrix: Solid
Percent Solids: 74.4

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	30	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Bis(2-chloroethyl)ether	ND		140	2.7	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Bis(2-ethylhexyl) phthalate	**42**	**J**	95	26	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Bromophenyl phenyl ether	ND		68	18	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Butylbenzylphthalate	ND		95	14	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Carbazole	ND		68	37	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Chloroaniline	ND		200	23	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Chloro-3-methylphenol	ND		200	29	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Chloronaphthalene	ND		68	0.61	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Chlorophenol	ND		68	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Chlorophenyl phenyl ether	ND		68	18	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Chrysene	**78**		9.1	1.5	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Dibenz(a,h)anthracene	**13**		9.1	0.90	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Dibenzofuran	**130**		68	0.90	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
1,2-Dichlorobenzene	ND		68	13	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
1,3-Dichlorobenzene	ND		68	15	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
1,4-Dichlorobenzene	ND		68	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
3,3'-Dichlorobenzidine	ND		140	24	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4-Dichlorophenol	ND		200	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Diethyl phthalate	ND		95	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4-Dimethylphenol	ND		200	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Dimethyl phthalate	ND		95	23	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Di-n-butyl phthalate	**23**	**J**	95	20	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4,6-Dinitro-2-methylphenol	ND		200	13	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4-Dinitrophenol	ND		450	29	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4-Dinitrotoluene	ND		270	23	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,6-Dinitrotoluene	ND		270	29	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Di-n-octyl phthalate	ND		95	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Fluoranthene	**120**		9.1	0.75	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Fluorene	**18**		9.1	0.72	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Hexachlorobenzene	ND		9.1	2.9	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Hexachlorobutadiene	ND		68	7.6	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Hexachlorocyclopentadiene	ND		450	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Hexachloroethane	ND		68	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Indeno[1,2,3-cd]pyrene	**34**		9.1	0.48	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Isophorone	ND		68	18	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Methylnaphthalene	**500**		9.1	0.68	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Methylphenol	ND		270	15	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
3 & 4 Methylphenol	ND		540	27	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Naphthalene	**330**		9.1	1.1	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Nitroaniline	ND		270	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
3-Nitroaniline	ND		270	22	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Nitroaniline	ND		270	35	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Nitrobenzene	ND		140	3.0	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2-Nitrophenol	ND		68	11	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
4-Nitrophenol	ND		450	23	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
N-Nitrosodi-n-propylamine	ND		68	8.6	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
N-Nitrosodiphenylamine	ND		68	29	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,2'-oxybis[1-chloropropane]	ND		140	13	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-005

Date Collected: 04/12/16 16:22
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-2

Matrix: Solid
Percent Solids: 74.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		200	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Phenanthrene	**380**		9.1	0.99	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Phenol	ND		68	9.9	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
Pyrene	**130**		9.1	0.60	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
1,2,4-Trichlorobenzene	ND		68	4.8	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4,5-Trichlorophenol	ND		200	34	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1
2,4,6-Trichlorophenol	ND		200	12	ug/Kg	☼	04/15/16 08:15	04/21/16 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*24 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*
2-Fluorophenol (Surr)	*83*		*24 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*
Nitrobenzene-d5 (Surr)	*79*		*20 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*
Phenol-d5 (Surr)	*85*		*26 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*
Terphenyl-d14 (Surr)	*89*		*36 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*
2,4,6-Tribromophenol (Surr)	*29*		*10 - 110*	*04/15/16 08:15*	*04/21/16 17:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**74.4**		0.1	0.1	%			04/14/16 09:36	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: RB-041216-AG-006

Date Collected: 04/12/16 16:32
Date Received: 04/13/16 16:00

Lab Sample ID: 240-63453-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	0.94	ug/L			04/22/16 12:28	1
Benzene	ND		1.0	0.35	ug/L			04/22/16 12:28	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/22/16 12:28	1
Bromoform	ND		1.0	0.56	ug/L			04/22/16 12:28	1
Bromomethane	ND	*	1.0	0.44	ug/L			04/22/16 12:28	1
2-Butanone	ND		10	0.53	ug/L			04/22/16 12:28	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/22/16 12:28	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/22/16 12:28	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/22/16 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			04/22/16 12:28	1
Chloroform	ND		1.0	0.25	ug/L			04/22/16 12:28	1
Chloromethane	ND		1.0	0.44	ug/L			04/22/16 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/22/16 12:28	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/22/16 12:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/22/16 12:28	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/22/16 12:28	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/22/16 12:28	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/22/16 12:28	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/22/16 12:28	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/22/16 12:28	1
2-Hexanone	ND		10	0.48	ug/L			04/22/16 12:28	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/22/16 12:28	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/22/16 12:28	1
Styrene	ND		1.0	0.45	ug/L			04/22/16 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/22/16 12:28	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/22/16 12:28	1
Toluene	ND		1.0	0.23	ug/L			04/22/16 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/22/16 12:28	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/22/16 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/22/16 12:28	1
Trichloroethene	ND		1.0	0.22	ug/L			04/22/16 12:28	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/22/16 12:28	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/22/16 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*61 - 120*		*04/22/16 12:28*	*1*
Dibromofluoromethane (Surr)	*100*		*79 - 120*		*04/22/16 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/22/16 12:28*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/22/16 12:28*	*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		04/15/16 09:10	04/18/16 14:01	1
Acenaphthylene	ND		0.18	0.018	ug/L		04/15/16 09:10	04/18/16 14:01	1
Anthracene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:01	1
Benzo[a]anthracene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:01	1
Benzo[a]pyrene	ND		0.18	0.027	ug/L		04/15/16 09:10	04/18/16 14:01	1
Benzo[b]fluoranthene	ND		0.18	0.053	ug/L		04/15/16 09:10	04/18/16 14:01	1
Benzo[g,h,i]perylene	ND		0.18	0.045	ug/L		04/15/16 09:10	04/18/16 14:01	1
Benzo[k]fluoranthene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:01	1

Client Sample ID: RB-041216-AG-006

Lab Sample ID: 240-63453-3

Date Collected: 04/12/16 16:32

Matrix: Water

Date Received: 04/13/16 16:00

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		04/15/16 09:10	04/18/16 14:01	1
Bis(2-chloroethyl)ether	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:01	1
Bis(2-ethylhexyl) phthalate	ND		1.8	1.4	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Bromophenyl phenyl ether	ND		1.8	0.31	ug/L		04/15/16 09:10	04/18/16 14:01	1
Butylbenzylphthalate	ND		0.89	0.19	ug/L		04/15/16 09:10	04/18/16 14:01	1
Carbazole	ND		0.89	0.094	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Chloroaniline	ND		1.8	0.13	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Chloro-3-methylphenol	ND		1.8	0.25	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Chloronaphthalene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Chlorophenol	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Chlorophenyl phenyl ether	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:01	1
Chrysene	ND		0.18	0.031	ug/L		04/15/16 09:10	04/18/16 14:01	1
Dibenz(a,h)anthracene	ND		0.18	0.036	ug/L		04/15/16 09:10	04/18/16 14:01	1
Dibenzofuran	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:01	1
1,2-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:01	1
1,3-Dichlorobenzene	ND		0.89	0.12	ug/L		04/15/16 09:10	04/18/16 14:01	1
1,4-Dichlorobenzene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:01	1
3,3'-Dichlorobenzidine	ND		4.5	0.32	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4-Dichlorophenol	ND		1.8	0.26	ug/L		04/15/16 09:10	04/18/16 14:01	1
Diethyl phthalate	ND		0.89	0.11	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4-Dimethylphenol	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:01	1
Dimethyl phthalate	ND		0.89	0.090	ug/L		04/15/16 09:10	04/18/16 14:01	1
Di-n-butyl phthalate	ND		0.89	0.36	ug/L		04/15/16 09:10	04/18/16 14:01	1
4,6-Dinitro-2-methylphenol	ND		4.5	0.47	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4-Dinitrophenol	ND		36	5.5	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4-Dinitrotoluene	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,6-Dinitrotoluene	ND		4.5	0.21	ug/L		04/15/16 09:10	04/18/16 14:01	1
Di-n-octyl phthalate	ND		0.89	0.33	ug/L		04/15/16 09:10	04/18/16 14:01	1
Fluoranthene	ND		0.18	0.024	ug/L		04/15/16 09:10	04/18/16 14:01	1
Fluorene	ND		0.18	0.030	ug/L		04/15/16 09:10	04/18/16 14:01	1
Hexachlorobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:01	1
Hexachlorobutadiene	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:01	1
Hexachlorocyclopentadiene	ND		8.9	2.2	ug/L		04/15/16 09:10	04/18/16 14:01	1
Hexachloroethane	ND		0.89	0.20	ug/L		04/15/16 09:10	04/18/16 14:01	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.043	ug/L		04/15/16 09:10	04/18/16 14:01	1
Isophorone	ND		0.89	0.038	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Methylnaphthalene	ND		0.18	0.033	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Methylphenol	ND		0.89	0.17	ug/L		04/15/16 09:10	04/18/16 14:01	1
3 & 4 Methylphenol	ND		1.8	0.30	ug/L		04/15/16 09:10	04/18/16 14:01	1
Naphthalene	ND		0.18	0.038	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Nitroaniline	ND		1.8	0.28	ug/L		04/15/16 09:10	04/18/16 14:01	1
3-Nitroaniline	ND		1.8	0.24	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Nitroaniline	ND		1.8	0.22	ug/L		04/15/16 09:10	04/18/16 14:01	1
Nitrobenzene	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:01	1
2-Nitrophenol	ND		1.8	0.18	ug/L		04/15/16 09:10	04/18/16 14:01	1
4-Nitrophenol	ND		4.5	0.52	ug/L		04/15/16 09:10	04/18/16 14:01	1
N-Nitrosodi-n-propylamine	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:01	1
N-Nitrosodiphenylamine	ND		0.89	0.10	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,2'-oxybis[1-chloropropane]	ND		0.89	0.16	ug/L		04/15/16 09:10	04/18/16 14:01	1

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: RB-041216-AG-006

Lab Sample ID: 240-63453-3

Date Collected: 04/12/16 16:32
Matrix: Water
Date Received: 04/13/16 16:00

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		04/15/16 09:10	04/18/16 14:01	1
Phenanthrene	ND		0.18	0.028	ug/L		04/15/16 09:10	04/18/16 14:01	1
Phenol	ND		0.89	0.13	ug/L		04/15/16 09:10	04/18/16 14:01	1
Pyrene	ND		0.18	0.025	ug/L		04/15/16 09:10	04/18/16 14:01	1
1,2,4-Trichlorobenzene	ND		0.89	0.14	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4,5-Trichlorophenol	ND		4.5	0.33	ug/L		04/15/16 09:10	04/18/16 14:01	1
2,4,6-Trichlorophenol	ND		4.5	0.23	ug/L		04/15/16 09:10	04/18/16 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*29 - 110*	*04/15/16 09:10*	*04/18/16 14:01*	*1*
2-Fluorophenol (Surr)	*53*		*15 - 110*	*04/15/16 09:10*	*04/18/16 14:01*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 110*	*04/15/16 09:10*	*04/18/16 14:01*	*1*
Phenol-d5 (Surr)	*39*		*10 - 110*	*04/15/16 09:10*	*04/18/16 14:01*	*1*
Terphenyl-d14 (Surr)	*75*		*31 - 115*	*04/15/16 09:10*	*04/18/16 14:01*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*21 - 128*	*04/15/16 09:10*	*04/18/16 14:01*	*1*

Client Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-63453-4

Date Collected: 04/12/16 00:00
Matrix: Water
Date Received: 04/13/16 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.5	J	10	0.94	ug/L			04/22/16 12:51	1
Benzene	ND		1.0	0.35	ug/L			04/22/16 12:51	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/22/16 12:51	1
Bromoform	ND		1.0	0.56	ug/L			04/22/16 12:51	1
Bromomethane	ND	*	1.0	0.44	ug/L			04/22/16 12:51	1
2-Butanone	ND		10	0.53	ug/L			04/22/16 12:51	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/22/16 12:51	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/22/16 12:51	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/22/16 12:51	1
Chloroethane	ND		1.0	0.32	ug/L			04/22/16 12:51	1
Chloroform	ND		1.0	0.25	ug/L			04/22/16 12:51	1
Chloromethane	ND		1.0	0.44	ug/L			04/22/16 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.46	ug/L			04/22/16 12:51	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/22/16 12:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/22/16 12:51	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/22/16 12:51	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/22/16 12:51	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/22/16 12:51	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/22/16 12:51	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/22/16 12:51	1
2-Hexanone	ND		10	0.48	ug/L			04/22/16 12:51	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/22/16 12:51	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/22/16 12:51	1
Styrene	ND		1.0	0.45	ug/L			04/22/16 12:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/22/16 12:51	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/22/16 12:51	1
Toluene	ND		1.0	0.23	ug/L			04/22/16 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/22/16 12:51	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/22/16 12:51	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/22/16 12:51	1
Trichloroethene	ND		1.0	0.22	ug/L			04/22/16 12:51	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/22/16 12:51	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/22/16 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*		*04/22/16 12:51*	*1*
Dibromofluoromethane (Surr)	*97*		*79 - 120*		*04/22/16 12:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/22/16 12:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/22/16 12:51*	*1*

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

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	(52-136)	(37-132)	(58-123)	(67-125)
240-63453-1	SD-041216-AG-004	98	98	98	110
240-63453-1 MS	SD-041216-AG-004	107	106	101	115
240-63453-1 MSD	SD-041216-AG-004	94	97	94	105
240-63453-2	SD-041216-AG-005	94	105	105	120
LCS 240-226215/6	Lab Control Sample	93	97	88	102
MB 240-226181/1-A	Method Blank	98	96	94	106

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	(61-120)	(79-120)	(78-125)	(80-120)
240-63453-3	RB-041216-AG-006	94	100	97	96
240-63453-4	TRIP BLANKS	98	97	97	98
LCS 240-227157/4	Lab Control Sample	98	102	97	98
MB 240-227157/6	Method Blank	96	99	97	97

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	(24-110)	(24-110)	(20-110)	(26-110)	(36-110)	(10-110)
240-63453-1	SD-041216-AG-004	67	61	61	68	73	42
240-63453-1 MS	SD-041216-AG-004	64	54	55	60	87	37
240-63453-1 MSD	SD-041216-AG-004	68	61	64	66	79	44
240-63453-2	SD-041216-AG-005	81	83	79	85	89	29
LCS 240-226094/12-A	Lab Control Sample	82	83	87	84	93	53
MB 240-226094/11-A	Method Blank	79	66	76	75	87	29

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)

Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

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	(29-110)	(15-110)	(31-110)	(10-110)	(31-115)	(21-128)
240-63453-3	RB-041216-AG-006	60	53	65	39	75	66
LCS 240-226115/9-A	Lab Control Sample	82	94	89	63	89	90
MB 240-226115/8-A	Method Blank	65	60	65	41	71	68

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)

QC Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

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

Lab Sample ID: MB 240-226181/1-A
Matrix: Solid
Analysis Batch: 226215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	5.7	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Benzene	ND		5.0	0.90	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Bromodichloromethane	ND		5.0	0.29	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Bromoform	ND		5.0	0.24	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Bromomethane	ND		5.0	0.42	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
2-Butanone	ND		20	1.1	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Carbon disulfide	ND		5.0	0.59	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Carbon tetrachloride	ND		5.0	0.65	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Chlorobenzene	ND		5.0	0.53	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Chloroethane	ND		5.0	0.44	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Chloroform	0.494	J	5.0	0.36	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Chloromethane	ND		5.0	0.79	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
cis-1,3-Dichloropropene	ND		5.0	0.71	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Dibromochloromethane	ND		5.0	0.37	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,1-Dichloroethane	ND		5.0	0.34	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,2-Dichloroethane	ND		5.0	0.46	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,1-Dichloroethene	ND		5.0	0.80	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,2-Dichloroethene, Total	ND		10	0.59	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,2-Dichloropropane	ND		5.0	0.14	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Ethylbenzene	ND		5.0	0.32	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
2-Hexanone	ND		20	0.68	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Methylene Chloride	ND		5.0	0.74	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
4-Methyl-2-pentanone	ND		20	1.2	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Styrene	ND		5.0	0.40	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.31	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Tetrachloroethene	ND		5.0	0.80	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Toluene	ND		5.0	0.27	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
trans-1,3-Dichloropropene	ND		5.0	0.29	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,1,1-Trichloroethane	ND		5.0	0.65	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
1,1,2-Trichloroethane	ND		5.0	0.37	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Trichloroethene	ND		5.0	0.38	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Vinyl chloride	ND		5.0	0.30	ug/Kg		04/15/16 13:22	04/16/16 03:34	1
Xylenes, Total	ND		10	0.54	ug/Kg		04/15/16 13:22	04/16/16 03:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*52 - 136*	*04/15/16 13:22*	*04/16/16 03:34*	*1*
Dibromofluoromethane (Surr)	*96*		*37 - 132*	*04/15/16 13:22*	*04/16/16 03:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 123*	*04/15/16 13:22*	*04/16/16 03:34*	*1*
Toluene-d8 (Surr)	*106*		*67 - 125*	*04/15/16 13:22*	*04/16/16 03:34*	*1*

Lab Sample ID: 240-63453-1 MS
Matrix: Solid
Analysis Batch: 226215

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		48.8	27.1		ug/Kg	☼	56	24 - 140
Benzene	ND		24.4	20.4		ug/Kg	☼	83	53 - 120
Bromodichloromethane	ND		24.4	20.0		ug/Kg	☼	82	35 - 132

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

Lab Sample ID: 240-63453-1 MS
Matrix: Solid
Analysis Batch: 226215

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND		24.4	15.6		ug/Kg	☼	64	18 - 129
Bromomethane	ND		24.4	17.3		ug/Kg	☼	71	33 - 130
2-Butanone	ND		48.8	35.2		ug/Kg	☼	72	30 - 143
Carbon disulfide	ND		24.4	18.4		ug/Kg	☼	75	20 - 151
Carbon tetrachloride	ND		24.4	20.1		ug/Kg	☼	82	32 - 137
Chlorobenzene	ND		24.4	18.2		ug/Kg	☼	74	37 - 120
Chloroethane	ND		24.4	18.4		ug/Kg	☼	76	45 - 120
Chloroform	0.50	J B	24.4	20.6		ug/Kg	☼	83	53 - 120
Chloromethane	ND		24.4	20.8		ug/Kg	☼	85	34 - 120
cis-1,3-Dichloropropene	ND		24.4	18.8		ug/Kg	☼	77	27 - 133
Dibromochloromethane	ND		24.4	17.9		ug/Kg	☼	74	29 - 135
1,1-Dichloroethane	ND		24.4	20.1		ug/Kg	☼	83	54 - 122
1,2-Dichloroethane	ND		24.4	20.6		ug/Kg	☼	84	49 - 123
1,1-Dichloroethene	ND		24.4	20.0		ug/Kg	☼	82	49 - 157
1,2-Dichloroethene, Total	ND		48.8	41.1		ug/Kg	☼	84	51 - 120
1,2-Dichloropropane	ND		24.4	20.7		ug/Kg	☼	85	61 - 120
Ethylbenzene	ND		24.4	19.1		ug/Kg	☼	78	30 - 131
2-Hexanone	ND		48.8	34.6		ug/Kg	☼	71	37 - 147
Methylene Chloride	ND		24.4	19.2		ug/Kg	☼	79	54 - 120
4-Methyl-2-pentanone	ND		48.8	44.2		ug/Kg	☼	91	43 - 147
Styrene	ND		24.4	18.7		ug/Kg	☼	77	27 - 127
1,1,2,2-Tetrachloroethane	ND		24.4	20.4		ug/Kg	☼	84	16 - 179
Tetrachloroethene	ND		24.4	20.3		ug/Kg	☼	83	31 - 135
Toluene	ND		24.4	20.0		ug/Kg	☼	82	39 - 129
trans-1,3-Dichloropropene	ND		24.4	14.6		ug/Kg	☼	60	28 - 137
1,1,1-Trichloroethane	ND		24.4	20.3		ug/Kg	☼	83	51 - 128
1,1,2-Trichloroethane	ND		24.4	20.7		ug/Kg	☼	85	10 - 166
Trichloroethene	ND		24.4	19.3		ug/Kg	☼	79	10 - 177
Vinyl chloride	ND		24.4	21.7		ug/Kg	☼	89	42 - 120
Xylenes, Total	ND		48.8	39.2		ug/Kg	☼	80	30 - 131

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*52 - 136*
Dibromofluoromethane (Surr)	*106*		*37 - 132*
1,2-Dichloroethane-d4 (Surr)	*101*		*58 - 123*
Toluene-d8 (Surr)	*115*		*67 - 125*

Lab Sample ID: 240-63453-1 MSD
Matrix: Solid
Analysis Batch: 226215

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		47.5	26.4		ug/Kg	☼	56	24 - 140	3	30
Benzene	ND		23.7	18.8		ug/Kg	☼	79	53 - 120	8	30
Bromodichloromethane	ND		23.7	18.0		ug/Kg	☼	76	35 - 132	11	30
Bromoform	ND		23.7	13.3		ug/Kg	☼	56	18 - 129	16	30
Bromomethane	ND		23.7	20.2		ug/Kg	☼	85	33 - 130	16	30
2-Butanone	ND		47.5	33.3		ug/Kg	☼	70	30 - 143	5	30

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

Lab Sample ID: 240-63453-1 MSD
Matrix: Solid
Analysis Batch: 226215

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND		23.7	17.5		ug/Kg	☼	74	20 - 151	5	30
Carbon tetrachloride	ND		23.7	19.1		ug/Kg	☼	80	32 - 137	5	30
Chlorobenzene	ND		23.7	14.7		ug/Kg	☼	62	37 - 120	21	30
Chloroethane	ND		23.7	20.5		ug/Kg	☼	86	45 - 120	11	30
Chloroform	0.50	J B	23.7	18.9		ug/Kg	☼	78	53 - 120	9	30
Chloromethane	ND		23.7	20.9		ug/Kg	☼	88	34 - 120	1	30
cis-1,3-Dichloropropene	ND		23.7	15.8		ug/Kg	☼	67	27 - 133	17	30
Dibromochloromethane	ND		23.7	14.9		ug/Kg	☼	63	29 - 135	18	30
1,1-Dichloroethane	ND		23.7	19.3		ug/Kg	☼	81	54 - 122	4	30
1,2-Dichloroethane	ND		23.7	19.0		ug/Kg	☼	80	49 - 123	8	30
1,1-Dichloroethene	ND		23.7	19.3		ug/Kg	☼	81	49 - 157	4	30
1,2-Dichloroethene, Total	ND		47.5	39.2		ug/Kg	☼	83	51 - 120	5	30
1,2-Dichloropropane	ND		23.7	19.0		ug/Kg	☼	80	61 - 120	9	30
Ethylbenzene	ND		23.7	15.7		ug/Kg	☼	66	30 - 131	20	30
2-Hexanone	ND		47.5	31.0		ug/Kg	☼	65	37 - 147	11	30
Methylene Chloride	ND		23.7	17.5		ug/Kg	☼	74	54 - 120	9	30
4-Methyl-2-pentanone	ND		47.5	40.5		ug/Kg	☼	85	43 - 147	9	30
Styrene	ND		23.7	14.3		ug/Kg	☼	60	27 - 127	27	30
1,1,2,2-Tetrachloroethane	ND		23.7	17.3		ug/Kg	☼	73	16 - 179	17	30
Tetrachloroethene	ND		23.7	17.5		ug/Kg	☼	74	31 - 135	15	30
Toluene	ND		23.7	17.4		ug/Kg	☼	73	39 - 129	14	30
trans-1,3-Dichloropropene	ND		23.7	12.3		ug/Kg	☼	52	28 - 137	17	30
1,1,1-Trichloroethane	ND		23.7	19.3		ug/Kg	☼	81	51 - 128	5	30
1,1,2-Trichloroethane	ND		23.7	18.1		ug/Kg	☼	76	10 - 166	13	30
Trichloroethene	ND		23.7	17.4		ug/Kg	☼	73	10 - 177	10	30
Vinyl chloride	ND		23.7	21.1		ug/Kg	☼	89	42 - 120	3	30
Xylenes, Total	ND		47.5	32.4		ug/Kg	☼	68	30 - 131	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*52 - 136*
Dibromofluoromethane (Surr)	*97*		*37 - 132*
1,2-Dichloroethane-d4 (Surr)	*94*		*58 - 123*
Toluene-d8 (Surr)	*105*		*67 - 125*

Lab Sample ID: LCS 240-226215/6
Matrix: Solid
Analysis Batch: 226215

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	81.2		ug/Kg		81	41 - 137
Benzene	50.0	50.1		ug/Kg		100	79 - 120
Bromodichloromethane	50.0	53.9		ug/Kg		108	80 - 122
Bromoform	50.0	49.1		ug/Kg		98	62 - 133
Bromomethane	50.0	46.7		ug/Kg		93	42 - 136
2-Butanone	100	81.3		ug/Kg		81	52 - 131
Carbon disulfide	50.0	57.8		ug/Kg		116	62 - 146
Carbon tetrachloride	50.0	55.3		ug/Kg		111	71 - 129
Chlorobenzene	50.0	47.8		ug/Kg		96	78 - 120

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

Lab Sample ID: LCS 240-226215/6
Matrix: Solid
Analysis Batch: 226215

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	46.2		ug/Kg		92	58 - 120
Chloroform	50.0	49.2		ug/Kg		98	77 - 120
Chloromethane	50.0	49.2		ug/Kg		98	50 - 120
cis-1,3-Dichloropropene	50.0	53.7		ug/Kg		107	74 - 128
Dibromochloromethane	50.0	51.1		ug/Kg		102	72 - 127
1,1-Dichloroethane	50.0	50.4		ug/Kg		101	76 - 120
1,2-Dichloroethane	50.0	48.1		ug/Kg		96	72 - 120
1,1-Dichloroethene	50.0	53.5		ug/Kg		107	75 - 135
1,2-Dichloroethene, Total	100	102		ug/Kg		102	78 - 120
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	80 - 120
Ethylbenzene	50.0	49.6		ug/Kg		99	79 - 120
2-Hexanone	100	88.4		ug/Kg		88	64 - 136
Methylene Chloride	50.0	50.3		ug/Kg		101	75 - 120
4-Methyl-2-pentanone	100	101		ug/Kg		101	67 - 135
Styrene	50.0	52.8		ug/Kg		106	80 - 120
1,1,2,2-Tetrachloroethane	50.0	51.1		ug/Kg		102	77 - 123
Tetrachloroethene	50.0	51.9		ug/Kg		104	79 - 120
Toluene	50.0	50.1		ug/Kg		100	75 - 120
trans-1,3-Dichloropropene	50.0	44.6		ug/Kg		89	73 - 131
1,1,1-Trichloroethane	50.0	54.3		ug/Kg		109	77 - 126
1,1,2-Trichloroethane	50.0	48.7		ug/Kg		97	80 - 120
Trichloroethene	50.0	51.6		ug/Kg		103	79 - 120
Vinyl chloride	50.0	49.9		ug/Kg		100	57 - 120
Xylenes, Total	100	103		ug/Kg		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*52 - 136*
Dibromofluoromethane (Surr)	*97*		*37 - 132*
1,2-Dichloroethane-d4 (Surr)	*88*		*58 - 123*
Toluene-d8 (Surr)	*102*		*67 - 125*

Lab Sample ID: MB 240-227157/6
Matrix: Water
Analysis Batch: 227157

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	0.94	ug/L			04/22/16 12:05	1
Benzene	ND		1.0	0.35	ug/L			04/22/16 12:05	1
Bromodichloromethane	ND		1.0	0.29	ug/L			04/22/16 12:05	1
Bromoform	ND		1.0	0.56	ug/L			04/22/16 12:05	1
Bromomethane	ND		1.0	0.44	ug/L			04/22/16 12:05	1
2-Butanone	ND		10	0.53	ug/L			04/22/16 12:05	1
Carbon disulfide	ND		1.0	0.38	ug/L			04/22/16 12:05	1
Carbon tetrachloride	ND		1.0	0.43	ug/L			04/22/16 12:05	1
Chlorobenzene	ND		1.0	0.25	ug/L			04/22/16 12:05	1
Chloroethane	ND		1.0	0.32	ug/L			04/22/16 12:05	1
Chloroform	ND		1.0	0.25	ug/L			04/22/16 12:05	1
Chloromethane	ND		1.0	0.44	ug/L			04/22/16 12:05	1

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

Lab Sample ID: MB 240-227157/6
Matrix: Water
Analysis Batch: 227157

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	0.46	ug/L			04/22/16 12:05	1
Dibromochloromethane	ND		1.0	0.43	ug/L			04/22/16 12:05	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/22/16 12:05	1
1,2-Dichloroethane	ND		1.0	0.23	ug/L			04/22/16 12:05	1
1,1-Dichloroethene	ND		1.0	0.45	ug/L			04/22/16 12:05	1
1,2-Dichloroethene, Total	ND		2.0	0.20	ug/L			04/22/16 12:05	1
1,2-Dichloropropane	ND		1.0	0.25	ug/L			04/22/16 12:05	1
Ethylbenzene	ND		1.0	0.25	ug/L			04/22/16 12:05	1
2-Hexanone	ND		10	0.48	ug/L			04/22/16 12:05	1
Methylene Chloride	ND		1.0	0.33	ug/L			04/22/16 12:05	1
4-Methyl-2-pentanone	ND		10	0.99	ug/L			04/22/16 12:05	1
Styrene	ND		1.0	0.45	ug/L			04/22/16 12:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.22	ug/L			04/22/16 12:05	1
Tetrachloroethene	ND		1.0	0.31	ug/L			04/22/16 12:05	1
Toluene	ND		1.0	0.23	ug/L			04/22/16 12:05	1
trans-1,3-Dichloropropene	ND		1.0	0.56	ug/L			04/22/16 12:05	1
1,1,1-Trichloroethane	ND		1.0	0.44	ug/L			04/22/16 12:05	1
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			04/22/16 12:05	1
Trichloroethene	ND		1.0	0.22	ug/L			04/22/16 12:05	1
Vinyl chloride	ND		1.0	0.29	ug/L			04/22/16 12:05	1
Xylenes, Total	ND		2.0	0.52	ug/L			04/22/16 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*61 - 120*		*04/22/16 12:05*	*1*
Dibromofluoromethane (Surr)	*99*		*79 - 120*		*04/22/16 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*		*04/22/16 12:05*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/22/16 12:05*	*1*

Lab Sample ID: LCS 240-227157/4
Matrix: Water
Analysis Batch: 227157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.5		ug/L		73	34 - 148
Benzene	10.0	10.0		ug/L		100	80 - 120
Bromodichloromethane	10.0	10.0		ug/L		100	80 - 120
Bromoform	10.0	9.37		ug/L		94	56 - 122
Bromomethane	10.0	16.4	*	ug/L		164	38 - 132
2-Butanone	20.0	16.2		ug/L		81	56 - 138
Carbon disulfide	10.0	11.2		ug/L		112	65 - 144
Carbon tetrachloride	10.0	12.3		ug/L		123	77 - 131
Chlorobenzene	10.0	9.91		ug/L		99	80 - 120
Chloroethane	10.0	10.8		ug/L		108	36 - 126
Chloroform	10.0	10.4		ug/L		104	80 - 120
Chloromethane	10.0	8.57		ug/L		86	48 - 133
cis-1,3-Dichloropropene	10.0	9.87		ug/L		99	74 - 126
Dibromochloromethane	10.0	9.27		ug/L		93	74 - 120
1,1-Dichloroethane	10.0	9.94		ug/L		99	79 - 125

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

Lab Sample ID: LCS 240-227157/4
Matrix: Water
Analysis Batch: 227157

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	10.0	10.1		ug/L		101	80 - 120
1,1-Dichloroethene	10.0	11.3		ug/L		113	76 - 124
1,2-Dichloroethene, Total	20.0	21.5		ug/L		108	80 - 120
1,2-Dichloropropane	10.0	9.96		ug/L		100	78 - 124
Ethylbenzene	10.0	10.1		ug/L		101	80 - 120
2-Hexanone	20.0	14.8		ug/L		74	55 - 141
Methylene Chloride	10.0	10.5		ug/L		105	77 - 129
4-Methyl-2-pentanone	20.0	17.5		ug/L		87	64 - 135
Styrene	10.0	9.81		ug/L		98	76 - 122
1,1,2,2-Tetrachloroethane	10.0	8.76		ug/L		88	71 - 123
Tetrachloroethene	10.0	10.5		ug/L		105	78 - 121
Toluene	10.0	9.72		ug/L		97	80 - 120
trans-1,3-Dichloropropene	10.0	8.65		ug/L		86	75 - 131
1,1,1-Trichloroethane	10.0	11.1		ug/L		111	77 - 123
1,1,2-Trichloroethane	10.0	9.38		ug/L		94	80 - 120
Trichloroethene	10.0	10.8		ug/L		108	80 - 121
Vinyl chloride	10.0	9.76		ug/L		98	52 - 121
Xylenes, Total	20.0	19.8		ug/L		99	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*61 - 120*
Dibromofluoromethane (Surr)	*102*		*79 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 125*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-226094/11-A
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.7	0.76	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Acenaphthylene	ND		6.7	0.35	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Anthracene	ND		6.7	0.78	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Benzo[a]anthracene	ND		6.7	0.63	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Benzo[a]pyrene	ND		6.7	0.64	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Benzo[b]fluoranthene	ND		6.7	0.59	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Benzo[g,h,i]perylene	ND		6.7	0.35	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Benzo[k]fluoranthene	ND		6.7	0.68	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Bis(2-chloroethoxy)methane	ND		100	22	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Bis(2-chloroethyl)ether	ND		100	2.0	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Bis(2-ethylhexyl) phthalate	ND		70	19	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Bromophenyl phenyl ether	ND		50	13	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Butylbenzylphthalate	ND		70	10	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Carbazole	ND		50	27	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Chloroaniline	ND		150	17	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Chloro-3-methylphenol	ND		150	21	ug/Kg		04/15/16 08:15	04/21/16 09:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-226094/11-A
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		50	0.45	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2-Chlorophenol	ND		50	8.2	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Chlorophenyl phenyl ether	ND		50	13	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Chrysene	ND		6.7	1.1	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Dibenz(a,h)anthracene	ND		6.7	0.66	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Dibenzofuran	ND		50	0.66	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
1,2-Dichlorobenzene	ND		50	9.7	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
1,3-Dichlorobenzene	ND		50	11	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
1,4-Dichlorobenzene	ND		50	20	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
3,3'-Dichlorobenzidine	ND		100	18	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4-Dichlorophenol	ND		150	20	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Diethyl phthalate	ND		70	16	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4-Dimethylphenol	ND		150	20	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Dimethyl phthalate	ND		70	17	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Di-n-butyl phthalate	ND		70	15	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4,6-Dinitro-2-methylphenol	ND		150	9.2	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4-Dinitrophenol	ND		330	21	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4-Dinitrotoluene	ND		200	17	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,6-Dinitrotoluene	ND		200	21	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Di-n-octyl phthalate	ND		70	7.9	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Fluoranthene	ND		6.7	0.55	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Fluorene	ND		6.7	0.53	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Hexachlorobenzene	ND		6.7	2.1	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Hexachlorobutadiene	ND		50	5.6	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Hexachlorocyclopentadiene	ND		330	8.1	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Hexachloroethane	ND		50	9.0	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Indeno[1,2,3-cd]pyrene	ND		6.7	0.35	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Isophorone	ND		50	13	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2-Methylnaphthalene	ND		6.7	0.50	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2-Methylphenol	ND		200	11	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
3 & 4 Methylphenol	ND		400	20	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Naphthalene	ND		6.7	0.82	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2-Nitroaniline	ND		200	9.1	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
3-Nitroaniline	ND		200	16	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Nitroaniline	ND		200	26	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Nitrobenzene	ND		100	2.2	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2-Nitrophenol	ND		50	8.3	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
4-Nitrophenol	ND		330	17	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
N-Nitrosodi-n-propylamine	ND		50	6.3	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
N-Nitrosodiphenylamine	ND		50	21	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,2'-oxybis[1-chloropropane]	ND		100	9.5	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Pentachlorophenol	ND		150	9.1	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Phenanthrene	ND		6.7	0.73	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Phenol	ND		50	7.3	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
Pyrene	ND		6.7	0.44	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
1,2,4-Trichlorobenzene	ND		50	3.5	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4,5-Trichlorophenol	ND		150	25	ug/Kg		04/15/16 08:15	04/21/16 09:49	1
2,4,6-Trichlorophenol	ND		150	8.9	ug/Kg		04/15/16 08:15	04/21/16 09:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-226094/11-A
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226094

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*24 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*
2-Fluorophenol (Surr)	*66*		*24 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*
Nitrobenzene-d5 (Surr)	*76*		*20 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*
Phenol-d5 (Surr)	*75*		*26 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*
Terphenyl-d14 (Surr)	*87*		*36 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*
2,4,6-Tribromophenol (Surr)	*29*		*10 - 110*	*04/15/16 08:15*	*04/21/16 09:49*	*1*

Lab Sample ID: LCS 240-226094/12-A
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	667	561		ug/Kg		84	38 - 110
Acenaphthylene	667	562		ug/Kg		84	40 - 110
Anthracene	667	593		ug/Kg		89	48 - 110
Benzo[a]anthracene	667	576		ug/Kg		86	50 - 110
Benzo[a]pyrene	667	609		ug/Kg		91	44 - 110
Benzo[b]fluoranthene	667	629		ug/Kg		94	43 - 110
Benzo[g,h,i]perylene	667	617		ug/Kg		92	51 - 110
Benzo[k]fluoranthene	667	596		ug/Kg		89	38 - 105
Bis(2-chloroethoxy)methane	667	570		ug/Kg		85	32 - 110
Bis(2-chloroethyl)ether	667	559		ug/Kg		84	34 - 110
Bis(2-ethylhexyl) phthalate	667	641		ug/Kg		96	50 - 110
4-Bromophenyl phenyl ether	667	638		ug/Kg		96	39 - 110
Butylbenzylphthalate	667	631		ug/Kg		95	51 - 110
Carbazole	667	677		ug/Kg		102	50 - 110
4-Chloroaniline	667	434		ug/Kg		65	30 - 110
4-Chloro-3-methylphenol	667	585		ug/Kg		88	48 - 110
2-Chloronaphthalene	667	565		ug/Kg		85	32 - 110
2-Chlorophenol	667	557		ug/Kg		84	37 - 110
4-Chlorophenyl phenyl ether	667	567		ug/Kg		85	40 - 110
Chrysene	667	583		ug/Kg		87	50 - 110
Dibenz(a,h)anthracene	667	623		ug/Kg		93	51 - 110
Dibenzofuran	667	560		ug/Kg		84	43 - 110
1,2-Dichlorobenzene	667	549		ug/Kg		82	32 - 110
1,3-Dichlorobenzene	667	535		ug/Kg		80	29 - 110
1,4-Dichlorobenzene	667	545		ug/Kg		82	33 - 110
3,3'-Dichlorobenzidine	1330	1190		ug/Kg		89	28 - 110
2,4-Dichlorophenol	667	564		ug/Kg		85	39 - 110
Diethyl phthalate	667	565		ug/Kg		85	52 - 110
2,4-Dimethylphenol	667	462		ug/Kg		69	29 - 110
Dimethyl phthalate	667	577		ug/Kg		86	50 - 110
Di-n-butyl phthalate	667	731		ug/Kg		110	51 - 110
4,6-Dinitro-2-methylphenol	1330	1080		ug/Kg		81	10 - 110
2,4-Dinitrophenol	1330	661		ug/Kg		50	10 - 110
2,4-Dinitrotoluene	667	616		ug/Kg		92	48 - 110
2,6-Dinitrotoluene	667	608		ug/Kg		91	45 - 110
Di-n-octyl phthalate	667	642		ug/Kg		96	48 - 110

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-226094/12-A
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	667	678		ug/Kg		102	51 - 110
Fluorene	667	545		ug/Kg		82	46 - 110
Hexachlorobenzene	667	628		ug/Kg		94	43 - 110
Hexachlorobutadiene	667	579		ug/Kg		87	29 - 110
Hexachlorocyclopentadiene	667	397		ug/Kg		59	12 - 110
Hexachloroethane	667	552		ug/Kg		83	30 - 110
Indeno[1,2,3-cd]pyrene	667	622		ug/Kg		93	50 - 110
Isophorone	667	550		ug/Kg		83	36 - 110
2-Methylnaphthalene	667	557		ug/Kg		84	36 - 110
2-Methylphenol	667	542		ug/Kg		81	41 - 110
3 & 4 Methylphenol	667	550		ug/Kg		83	40 - 110
Naphthalene	667	546		ug/Kg		82	36 - 110
2-Nitroaniline	667	614		ug/Kg		92	45 - 110
3-Nitroaniline	667	506		ug/Kg		76	44 - 110
4-Nitroaniline	667	591		ug/Kg		89	48 - 110
Nitrobenzene	667	578		ug/Kg		87	32 - 110
2-Nitrophenol	667	640		ug/Kg		96	34 - 110
4-Nitrophenol	1330	1280		ug/Kg		96	28 - 110
N-Nitrosodi-n-propylamine	667	541		ug/Kg		81	38 - 110
N-Nitrosodiphenylamine	667	604		ug/Kg		91	46 - 110
2,2'-oxybis[1-chloropropane]	667	514		ug/Kg		77	29 - 110
Pentachlorophenol	1330	595		ug/Kg		45	10 - 110
Phenanthrene	667	579		ug/Kg		87	49 - 110
Phenol	667	547		ug/Kg		82	38 - 110
Pyrene	667	604		ug/Kg		91	49 - 110
1,2,4-Trichlorobenzene	667	566		ug/Kg		85	28 - 110
2,4,5-Trichlorophenol	667	517		ug/Kg		78	25 - 110
2,4,6-Trichlorophenol	667	443		ug/Kg		66	12 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*24 - 110*
2-Fluorophenol (Surr)	*83*		*24 - 110*
Nitrobenzene-d5 (Surr)	*87*		*20 - 110*
Phenol-d5 (Surr)	*84*		*26 - 110*
Terphenyl-d14 (Surr)	*93*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*53*		*10 - 110*

Lab Sample ID: 240-63453-1 MS
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10		874	635		ug/Kg	☼	71	22 - 110
Acenaphthylene	ND		874	618		ug/Kg	☼	71	24 - 110
Anthracene	12		874	693		ug/Kg	☼	78	20 - 110
Benzo[a]anthracene	39		874	749		ug/Kg	☼	81	10 - 122
Benzo[a]pyrene	40		874	749		ug/Kg	☼	81	10 - 110
Benzo[b]fluoranthene	76		874	789		ug/Kg	☼	82	12 - 118

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63453-1 MS — **Client Sample ID: SD-041216-AG-004**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 226914 — **Prep Batch: 226094**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	130		874	879		ug/Kg	☼	86	10 - 117
Benzo[k]fluoranthene	20		874	687		ug/Kg	☼	76	10 - 121
Bis(2-chloroethoxy)methane	ND		874	505		ug/Kg	☼	58	26 - 110
Bis(2-chloroethyl)ether	ND		874	456		ug/Kg	☼	52	21 - 110
Bis(2-ethylhexyl) phthalate	33	J	874	831		ug/Kg	☼	91	40 - 110
4-Bromophenyl phenyl ether	ND		874	682		ug/Kg	☼	78	33 - 110
Butylbenzylphthalate	52	J	874	760		ug/Kg	☼	81	44 - 110
Carbazole	ND		874	810		ug/Kg	☼	93	34 - 110
4-Chloroaniline	ND	F2	874	234		ug/Kg	☼	27	10 - 110
4-Chloro-3-methylphenol	ND		874	700		ug/Kg	☼	80	25 - 110
2-Chloronaphthalene	ND		874	582		ug/Kg	☼	67	28 - 110
2-Chlorophenol	ND		874	503		ug/Kg	☼	58	10 - 110
4-Chlorophenyl phenyl ether	ND		874	674		ug/Kg	☼	77	32 - 110
Chrysene	70		874	780		ug/Kg	☼	81	10 - 125
Dibenz(a,h)anthracene	11		874	760		ug/Kg	☼	86	14 - 113
Dibenzofuran	140		874	763		ug/Kg	☼	72	29 - 110
1,2-Dichlorobenzene	ND		874	419		ug/Kg	☼	48	25 - 110
1,3-Dichlorobenzene	ND		874	400		ug/Kg	☼	46	24 - 110
1,4-Dichlorobenzene	ND		874	413		ug/Kg	☼	47	28 - 110
3,3'-Dichlorobenzidine	ND	F1	1750	162	F1	ug/Kg	☼	9	10 - 110
2,4-Dichlorophenol	ND		874	625		ug/Kg	☼	72	10 - 110
Diethyl phthalate	ND		874	692		ug/Kg	☼	79	42 - 110
2,4-Dimethylphenol	ND		874	592		ug/Kg	☼	68	10 - 110
Dimethyl phthalate	ND		874	662		ug/Kg	☼	76	41 - 110
Di-n-butyl phthalate	25	J	874	855		ug/Kg	☼	95	43 - 110
4,6-Dinitro-2-methylphenol	ND		1750	1380		ug/Kg	☼	79	10 - 110
2,4-Dinitrophenol	ND		1750	1310		ug/Kg	☼	75	10 - 110
2,4-Dinitrotoluene	ND		874	823		ug/Kg	☼	94	32 - 110
2,6-Dinitrotoluene	ND		874	730		ug/Kg	☼	84	35 - 110
Di-n-octyl phthalate	ND		874	727		ug/Kg	☼	83	24 - 119
Fluoranthene	89		874	871		ug/Kg	☼	90	10 - 110
Fluorene	19		874	678		ug/Kg	☼	75	23 - 110
Hexachlorobenzene	ND		874	661		ug/Kg	☼	76	34 - 110
Hexachlorobutadiene	ND		874	479		ug/Kg	☼	55	25 - 110
Hexachlorocyclopentadiene	ND	F1	874	ND	F1	ug/Kg	☼	0	10 - 110
Hexachloroethane	ND		874	363		ug/Kg	☼	42	12 - 110
Indeno[1,2,3-cd]pyrene	31		874	767		ug/Kg	☼	84	10 - 114
Isophorone	ND		874	503		ug/Kg	☼	58	29 - 110
2-Methylnaphthalene	660	F1 F2	874	1170		ug/Kg	☼	58	10 - 133
2-Methylphenol	ND		874	528		ug/Kg	☼	60	24 - 110
3 & 4 Methylphenol	ND		874	550		ug/Kg	☼	63	25 - 110
Naphthalene	440	F1	874	850		ug/Kg	☼	47	10 - 111
2-Nitroaniline	ND		874	746		ug/Kg	☼	85	39 - 110
3-Nitroaniline	ND	F1 F2	874	108	J	ug/Kg	☼	12	10 - 110
4-Nitroaniline	ND	F2	874	251	J	ug/Kg	☼	29	10 - 110
Nitrobenzene	ND		874	491		ug/Kg	☼	56	23 - 110
2-Nitrophenol	ND		874	560		ug/Kg	☼	64	10 - 110
4-Nitrophenol	ND		1750	1830		ug/Kg	☼	105	10 - 113

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63453-1 MS
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	ND		874	481		ug/Kg	☼	55	26 - 110
N-Nitrosodiphenylamine	ND		874	739		ug/Kg	☼	85	22 - 110
2,2'-oxybis[1-chloropropane]	ND		874	426		ug/Kg	☼	49	11 - 110
Pentachlorophenol	ND	F1	1750	17.9	J F1	ug/Kg	☼	1	10 - 110
Phenanthrene	320		874	1070		ug/Kg	☼	85	10 - 166
Phenol	ND		874	504		ug/Kg	☼	58	17 - 110
Pyrene	110		874	854		ug/Kg	☼	85	10 - 147
1,2,4-Trichlorobenzene	ND		874	483		ug/Kg	☼	55	27 - 110
2,4,5-Trichlorophenol	ND		874	659		ug/Kg	☼	75	10 - 117
2,4,6-Trichlorophenol	ND		874	443		ug/Kg	☼	51	10 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*64*		*24 - 110*
2-Fluorophenol (Surr)	*54*		*24 - 110*
Nitrobenzene-d5 (Surr)	*55*		*20 - 110*
Phenol-d5 (Surr)	*60*		*26 - 110*
Terphenyl-d14 (Surr)	*87*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*37*		*10 - 110*

Lab Sample ID: 240-63453-1 MSD
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	10		857	612		ug/Kg	☼	70	22 - 110	4	99
Acenaphthylene	ND		857	592		ug/Kg	☼	69	24 - 110	4	99
Anthracene	12		857	622		ug/Kg	☼	71	20 - 110	11	99
Benzo[a]anthracene	39		857	703		ug/Kg	☼	77	10 - 122	6	99
Benzo[a]pyrene	40		857	685		ug/Kg	☼	75	10 - 110	9	99
Benzo[b]fluoranthene	76		857	755		ug/Kg	☼	79	12 - 118	4	99
Benzo[g,h,i]perylene	130		857	792		ug/Kg	☼	77	10 - 117	10	99
Benzo[k]fluoranthene	20		857	651		ug/Kg	☼	74	10 - 121	5	99
Bis(2-chloroethoxy)methane	ND		857	553		ug/Kg	☼	64	26 - 110	9	37
Bis(2-chloroethyl)ether	ND		857	516		ug/Kg	☼	60	21 - 110	13	55
Bis(2-ethylhexyl) phthalate	33	J	857	698		ug/Kg	☼	78	40 - 110	17	30
4-Bromophenyl phenyl ether	ND		857	638		ug/Kg	☼	74	33 - 110	7	30
Butylbenzylphthalate	52	J	857	667		ug/Kg	☼	72	44 - 110	13	30
Carbazole	ND		857	726		ug/Kg	☼	85	34 - 110	11	30
4-Chloroaniline	ND	F2	857	129	J F2	ug/Kg	☼	15	10 - 110	58	36
4-Chloro-3-methylphenol	ND		857	629		ug/Kg	☼	73	25 - 110	11	54
2-Chloronaphthalene	ND		857	583		ug/Kg	☼	68	28 - 110	0	30
2-Chlorophenol	ND		857	549		ug/Kg	☼	64	10 - 110	9	47
4-Chlorophenyl phenyl ether	ND		857	612		ug/Kg	☼	71	32 - 110	10	30
Chrysene	70		857	737		ug/Kg	☼	78	10 - 125	6	99
Dibenz(a,h)anthracene	11		857	695		ug/Kg	☼	80	14 - 113	9	99
Dibenzofuran	140		857	986		ug/Kg	☼	99	29 - 110	25	30
1,2-Dichlorobenzene	ND		857	481		ug/Kg	☼	56	25 - 110	14	40
1,3-Dichlorobenzene	ND		857	463		ug/Kg	☼	54	24 - 110	15	48

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-63453-1 MSD
Matrix: Solid
Analysis Batch: 226914

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA
Prep Batch: 226094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		857	473		ug/Kg	☼	55	28 - 110	13	43
3,3'-Dichlorobenzidine	ND	F1	1710	ND	F1	ug/Kg	☼	0	10 - 110	NC	56
2,4-Dichlorophenol	ND		857	634		ug/Kg	☼	74	10 - 110	1	34
Diethyl phthalate	ND		857	652		ug/Kg	☼	76	42 - 110	6	30
2,4-Dimethylphenol	ND		857	597		ug/Kg	☼	70	10 - 110	1	31
Dimethyl phthalate	ND		857	583		ug/Kg	☼	68	41 - 110	13	30
Di-n-butyl phthalate	25	J	857	755		ug/Kg	☼	85	43 - 110	13	30
4,6-Dinitro-2-methylphenol	ND		1710	1190		ug/Kg	☼	69	10 - 110	15	55
2,4-Dinitrophenol	ND		1710	1150		ug/Kg	☼	67	10 - 110	13	99
2,4-Dinitrotoluene	ND		857	727		ug/Kg	☼	85	32 - 110	12	30
2,6-Dinitrotoluene	ND		857	654		ug/Kg	☼	76	35 - 110	11	30
Di-n-octyl phthalate	ND		857	662		ug/Kg	☼	77	24 - 119	9	30
Fluoranthene	89		857	870		ug/Kg	☼	91	10 - 110	0	99
Fluorene	19		857	608		ug/Kg	☼	69	23 - 110	11	99
Hexachlorobenzene	ND		857	622		ug/Kg	☼	73	34 - 110	6	30
Hexachlorobutadiene	ND		857	546		ug/Kg	☼	64	25 - 110	13	34
Hexachlorocyclopentadiene	ND	F1	857	ND	F1	ug/Kg	☼	0	10 - 110	NC	79
Hexachloroethane	ND		857	431		ug/Kg	☼	50	12 - 110	17	50
Indeno[1,2,3-cd]pyrene	31		857	695		ug/Kg	☼	77	10 - 114	10	99
Isophorone	ND		857	561		ug/Kg	☼	65	29 - 110	11	38
2-Methylnaphthalene	660	F1 F2	857	2570	E F1 F2	ug/Kg	☼	222	10 - 133	75	42
2-Methylphenol	ND		857	550		ug/Kg	☼	64	24 - 110	4	51
3 & 4 Methylphenol	ND		857	566		ug/Kg	☼	66	25 - 110	3	50
Naphthalene	440	F1	857	2100	F1	ug/Kg	☼	193	10 - 111	85	99
2-Nitroaniline	ND		857	650		ug/Kg	☼	76	39 - 110	14	31
3-Nitroaniline	ND	F1 F2	857	56.9	J F1 F2	ug/Kg	☼	7	10 - 110	62	30
4-Nitroaniline	ND	F2	857	117	J F2	ug/Kg	☼	14	10 - 110	73	48
Nitrobenzene	ND		857	557		ug/Kg	☼	65	23 - 110	13	41
2-Nitrophenol	ND		857	636		ug/Kg	☼	74	10 - 110	13	49
4-Nitrophenol	ND		1710	1660		ug/Kg	☼	97	10 - 113	10	49
N-Nitrosodi-n-propylamine	ND		857	533		ug/Kg	☼	62	26 - 110	10	42
N-Nitrosodiphenylamine	ND		857	664		ug/Kg	☼	77	22 - 110	11	30
2,2'-oxybis[1-chloropropane]	ND		857	487		ug/Kg	☼	57	11 - 110	13	42
Pentachlorophenol	ND	F1	1710	17.3	J F1	ug/Kg	☼	1	10 - 110	3	50
Phenanthrene	320		857	1370		ug/Kg	☼	122	10 - 166	25	99
Phenol	ND		857	553		ug/Kg	☼	65	17 - 110	9	53
Pyrene	110		857	814		ug/Kg	☼	82	10 - 147	5	99
1,2,4-Trichlorobenzene	ND		857	536		ug/Kg	☼	62	27 - 110	10	34
2,4,5-Trichlorophenol	ND		857	614		ug/Kg	☼	72	10 - 117	7	99
2,4,6-Trichlorophenol	ND		857	451		ug/Kg	☼	53	10 - 110	2	38

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*24 - 110*
2-Fluorophenol (Surr)	*61*		*24 - 110*
Nitrobenzene-d5 (Surr)	*64*		*20 - 110*
Phenol-d5 (Surr)	*66*		*26 - 110*
Terphenyl-d14 (Surr)	*79*		*36 - 110*
2,4,6-Tribromophenol (Surr)	*44*		*10 - 110*

QC Sample Results

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Lab Sample ID: MB 240-226115/8-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.044	ug/L		04/15/16 09:10	04/18/16 09:26	1
Acenaphthylene	ND		0.20	0.020	ug/L		04/15/16 09:10	04/18/16 09:26	1
Anthracene	ND		0.20	0.031	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[a]anthracene	ND		0.20	0.059	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[a]pyrene	ND		0.20	0.030	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[b]fluoranthene	ND		0.20	0.059	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[g,h,i]perylene	ND		0.20	0.050	ug/L		04/15/16 09:10	04/18/16 09:26	1
Benzo[k]fluoranthene	ND		0.20	0.048	ug/L		04/15/16 09:10	04/18/16 09:26	1
Bis(2-chloroethoxy)methane	ND		1.0	0.037	ug/L		04/15/16 09:10	04/18/16 09:26	1
Bis(2-chloroethyl)ether	ND		1.0	0.19	ug/L		04/15/16 09:10	04/18/16 09:26	1
Bis(2-ethylhexyl) phthalate	ND		2.0	1.5	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Bromophenyl phenyl ether	ND		2.0	0.35	ug/L		04/15/16 09:10	04/18/16 09:26	1
Butylbenzylphthalate	ND		1.0	0.22	ug/L		04/15/16 09:10	04/18/16 09:26	1
Carbazole	ND		1.0	0.11	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chloroaniline	ND		2.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chloro-3-methylphenol	ND		2.0	0.28	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Chloronaphthalene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Chlorophenol	ND		1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Chlorophenyl phenyl ether	ND		2.0	0.29	ug/L		04/15/16 09:10	04/18/16 09:26	1
Chrysene	ND		0.20	0.035	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dibenzofuran	ND		1.0	0.14	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.35	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dichlorophenol	ND		2.0	0.29	ug/L		04/15/16 09:10	04/18/16 09:26	1
Diethyl phthalate	0.212	J	1.0	0.13	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dimethylphenol	ND		2.0	0.31	ug/L		04/15/16 09:10	04/18/16 09:26	1
Dimethyl phthalate	ND		1.0	0.10	ug/L		04/15/16 09:10	04/18/16 09:26	1
Di-n-butyl phthalate	ND		1.0	0.40	ug/L		04/15/16 09:10	04/18/16 09:26	1
4,6-Dinitro-2-methylphenol	ND		5.0	0.53	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dinitrophenol	ND		40	6.1	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4-Dinitrotoluene	ND		5.0	0.26	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,6-Dinitrotoluene	ND		5.0	0.24	ug/L		04/15/16 09:10	04/18/16 09:26	1
Di-n-octyl phthalate	ND		1.0	0.37	ug/L		04/15/16 09:10	04/18/16 09:26	1
Fluoranthene	ND		0.20	0.027	ug/L		04/15/16 09:10	04/18/16 09:26	1
Fluorene	ND		0.20	0.034	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorobenzene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorobutadiene	ND		1.0	0.14	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachlorocyclopentadiene	ND		10	2.5	ug/L		04/15/16 09:10	04/18/16 09:26	1
Hexachloroethane	ND		1.0	0.22	ug/L		04/15/16 09:10	04/18/16 09:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.048	ug/L		04/15/16 09:10	04/18/16 09:26	1
Isophorone	ND		1.0	0.042	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Methylnaphthalene	ND		0.20	0.037	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Methylphenol	ND		1.0	0.19	ug/L		04/15/16 09:10	04/18/16 09:26	1
3 & 4 Methylphenol	ND		2.0	0.34	ug/L		04/15/16 09:10	04/18/16 09:26	1
Naphthalene	ND		0.20	0.043	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Nitroaniline	ND		2.0	0.31	ug/L		04/15/16 09:10	04/18/16 09:26	1
3-Nitroaniline	ND		2.0	0.27	ug/L		04/15/16 09:10	04/18/16 09:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-226115/8-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2.0	0.24	ug/L		04/15/16 09:10	04/18/16 09:26	1
Nitrobenzene	ND		1.0	0.12	ug/L		04/15/16 09:10	04/18/16 09:26	1
2-Nitrophenol	ND		2.0	0.21	ug/L		04/15/16 09:10	04/18/16 09:26	1
4-Nitrophenol	ND		5.0	0.59	ug/L		04/15/16 09:10	04/18/16 09:26	1
N-Nitrosodi-n-propylamine	ND		1.0	0.16	ug/L		04/15/16 09:10	04/18/16 09:26	1
N-Nitrosodiphenylamine	ND		1.0	0.11	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.18	ug/L		04/15/16 09:10	04/18/16 09:26	1
Pentachlorophenol	ND		40	5.5	ug/L		04/15/16 09:10	04/18/16 09:26	1
Phenanthrene	ND		0.20	0.031	ug/L		04/15/16 09:10	04/18/16 09:26	1
Phenol	ND		1.0	0.15	ug/L		04/15/16 09:10	04/18/16 09:26	1
Pyrene	ND		0.20	0.028	ug/L		04/15/16 09:10	04/18/16 09:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4,5-Trichlorophenol	ND		5.0	0.37	ug/L		04/15/16 09:10	04/18/16 09:26	1
2,4,6-Trichlorophenol	ND		5.0	0.26	ug/L		04/15/16 09:10	04/18/16 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*29 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
2-Fluorophenol (Surr)	*60*		*15 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Phenol-d5 (Surr)	*41*		*10 - 110*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
Terphenyl-d14 (Surr)	*71*		*31 - 115*	*04/15/16 09:10*	*04/18/16 09:26*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*21 - 128*	*04/15/16 09:10*	*04/18/16 09:26*	*1*

Lab Sample ID: LCS 240-226115/9-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	25.9		ug/L		81	48 - 120
Acenaphthylene	32.0	26.4		ug/L		82	47 - 120
Anthracene	32.0	26.3		ug/L		82	50 - 120
Benzo[a]anthracene	32.0	27.1		ug/L		85	46 - 120
Benzo[a]pyrene	32.0	28.2		ug/L		88	49 - 120
Benzo[b]fluoranthene	32.0	28.6		ug/L		89	49 - 120
Benzo[g,h,i]perylene	32.0	30.4		ug/L		95	48 - 120
Benzo[k]fluoranthene	32.0	28.7		ug/L		90	50 - 120
Bis(2-chloroethoxy)methane	32.0	27.7		ug/L		87	54 - 120
Bis(2-chloroethyl)ether	32.0	24.7		ug/L		77	51 - 120
Bis(2-ethylhexyl) phthalate	32.0	29.0		ug/L		91	30 - 156
4-Bromophenyl phenyl ether	32.0	25.8		ug/L		81	49 - 120
Butylbenzylphthalate	32.0	28.0		ug/L		88	40 - 125
Carbazole	32.0	31.5		ug/L		98	46 - 127
4-Chloroaniline	32.0	12.9		ug/L		40	20 - 136
4-Chloro-3-methylphenol	32.0	28.9		ug/L		90	55 - 120
2-Chloronaphthalene	32.0	26.2		ug/L		82	43 - 120
2-Chlorophenol	32.0	29.0		ug/L		91	53 - 120
4-Chlorophenyl phenyl ether	32.0	26.7		ug/L		83	48 - 120
Chrysene	32.0	27.0		ug/L		84	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-226115/9-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	32.0	31.0		ug/L		97	49 - 120
Dibenzofuran	32.0	26.1		ug/L		82	45 - 120
1,2-Dichlorobenzene	32.0	25.1		ug/L		78	40 - 160
1,3-Dichlorobenzene	32.0	24.0		ug/L		75	40 - 160
1,4-Dichlorobenzene	32.0	24.1		ug/L		75	40 - 160
3,3'-Dichlorobenzidine	64.0	20.7		ug/L		32	30 - 120
2,4-Dichlorophenol	32.0	27.3		ug/L		85	54 - 120
Diethyl phthalate	32.0	26.3		ug/L		82	48 - 121
2,4-Dimethylphenol	32.0	27.7		ug/L		86	40 - 125
Dimethyl phthalate	32.0	26.3		ug/L		82	50 - 120
Di-n-butyl phthalate	32.0	27.6		ug/L		86	40 - 160
4,6-Dinitro-2-methylphenol	64.0	63.8		ug/L		100	40 - 120
2,4-Dinitrophenol	64.0	64.3		ug/L		100	30 - 120
2,4-Dinitrotoluene	32.0	28.2		ug/L		88	50 - 120
2,6-Dinitrotoluene	32.0	27.7		ug/L		86	52 - 120
Di-n-octyl phthalate	32.0	29.4		ug/L		92	40 - 128
Fluoranthene	32.0	27.8		ug/L		87	50 - 120
Fluorene	32.0	26.1		ug/L		82	50 - 120
Hexachlorobenzene	32.0	27.0		ug/L		84	46 - 120
Hexachlorobutadiene	32.0	24.4		ug/L		76	30 - 120
Hexachlorocyclopentadiene	32.0	22.0		ug/L		69	4 - 120
Hexachloroethane	32.0	23.9		ug/L		75	30 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.3		ug/L		98	48 - 140
Isophorone	32.0	27.8		ug/L		87	52 - 120
2-Methylnaphthalene	32.0	25.6		ug/L		80	46 - 120
2-Methylphenol	32.0	28.1		ug/L		88	52 - 120
3 & 4 Methylphenol	32.0	28.4		ug/L		89	50 - 120
Naphthalene	32.0	25.9		ug/L		81	45 - 120
2-Nitroaniline	32.0	29.4		ug/L		92	47 - 120
3-Nitroaniline	32.0	31.3		ug/L		98	40 - 144
4-Nitroaniline	32.0	35.6		ug/L		111	40 - 135
Nitrobenzene	32.0	28.3		ug/L		88	54 - 120
2-Nitrophenol	32.0	30.1		ug/L		94	53 - 120
4-Nitrophenol	64.0	37.4		ug/L		58	30 - 120
N-Nitrosodi-n-propylamine	32.0	28.1		ug/L		88	52 - 117
N-Nitrosodiphenylamine	32.0	25.7		ug/L		80	47 - 109
2,2'-oxybis[1-chloropropane]	32.0	28.6		ug/L		89	45 - 112
Pentachlorophenol	64.0	49.8		ug/L		78	30 - 120
Phenanthrene	32.0	26.1		ug/L		81	50 - 120
Phenol	32.0	20.7		ug/L		65	40 - 120
Pyrene	32.0	25.4		ug/L		79	49 - 114
1,2,4-Trichlorobenzene	32.0	25.2		ug/L		79	40 - 160
2,4,5-Trichlorophenol	32.0	28.9		ug/L		90	49 - 120
2,4,6-Trichlorophenol	32.0	28.8		ug/L		90	50 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*29 - 110*
2-Fluorophenol (Surr)	*94*		*15 - 110*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-226115/9-A
Matrix: Water
Analysis Batch: 226279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*89*		*31 - 110*
Phenol-d5 (Surr)	*63*		*10 - 110*
Terphenyl-d14 (Surr)	*89*		*31 - 115*
2,4,6-Tribromophenol (Surr)	*90*		*21 - 128*

Method: Moisture - Percent Moisture

Lab Sample ID: 240-63453-1 DU
Matrix: Solid
Analysis Batch: 225951

Client Sample ID: SD-041216-AG-004
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	77.1			76.5		%				0.8	20

QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

GC/MS VOA

Prep Batch: 226181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-1	SD-041216-AG-004	Total/NA	Solid	5035	
240-63453-1 MS	SD-041216-AG-004	Total/NA	Solid	5035	
240-63453-1 MSD	SD-041216-AG-004	Total/NA	Solid	5035	
240-63453-2	SD-041216-AG-005	Total/NA	Solid	5035	
MB 240-226181/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 226215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-1	SD-041216-AG-004	Total/NA	Solid	8260C	226181
240-63453-1 MS	SD-041216-AG-004	Total/NA	Solid	8260C	226181
240-63453-1 MSD	SD-041216-AG-004	Total/NA	Solid	8260C	226181
240-63453-2	SD-041216-AG-005	Total/NA	Solid	8260C	226181
LCS 240-226215/6	Lab Control Sample	Total/NA	Solid	8260C	
MB 240-226181/1-A	Method Blank	Total/NA	Solid	8260C	226181

Analysis Batch: 227157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-3	RB-041216-AG-006	Total/NA	Water	8260C	
240-63453-4	TRIP BLANKS	Total/NA	Water	8260C	
LCS 240-227157/4	Lab Control Sample	Total/NA	Water	8260C	
MB 240-227157/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 226094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-1	SD-041216-AG-004	Total/NA	Solid	3540C	
240-63453-1 MS	SD-041216-AG-004	Total/NA	Solid	3540C	
240-63453-1 MSD	SD-041216-AG-004	Total/NA	Solid	3540C	
240-63453-2	SD-041216-AG-005	Total/NA	Solid	3540C	
LCS 240-226094/12-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-226094/11-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 226115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-3	RB-041216-AG-006	Total/NA	Water	3510C	
LCS 240-226115/9-A	Lab Control Sample	Total/NA	Water	3510C	
MB 240-226115/8-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 226279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-3	RB-041216-AG-006	Total/NA	Water	8270D	226115
LCS 240-226115/9-A	Lab Control Sample	Total/NA	Water	8270D	226115
MB 240-226115/8-A	Method Blank	Total/NA	Water	8270D	226115

Analysis Batch: 226914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-1	SD-041216-AG-004	Total/NA	Solid	8270D	226094
240-63453-1 MS	SD-041216-AG-004	Total/NA	Solid	8270D	226094
240-63453-1 MSD	SD-041216-AG-004	Total/NA	Solid	8270D	226094

GC/MS Semi VOA (Continued)

Analysis Batch: 226914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-2	SD-041216-AG-005	Total/NA	Solid	8270D	226094
LCS 240-226094/12-A	Lab Control Sample	Total/NA	Solid	8270D	226094
MB 240-226094/11-A	Method Blank	Total/NA	Solid	8270D	226094

General Chemistry

Analysis Batch: 225951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-63453-1	SD-041216-AG-004	Total/NA	Solid	Moisture	
240-63453-1 DU	SD-041216-AG-004	Total/NA	Solid	Moisture	
240-63453-2	SD-041216-AG-005	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: SD-041216-AG-004 — Lab Sample ID: 240-63453-1

Date Collected: 04/12/16 16:15 — **Matrix: Solid**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	225951	04/14/16 09:36	LCN	TAL CAN

Client Sample ID: SD-041216-AG-004 — Lab Sample ID: 240-63453-1

Date Collected: 04/12/16 16:15 — **Matrix: Solid**
Date Received: 04/13/16 16:00 — **Percent Solids: 77.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			226181	04/14/16 13:11	LAM	TAL CAN
Total/NA	Analysis	8260C		1	226215	04/16/16 03:57	TJL2	TAL CAN
Total/NA	Prep	3540C			226094	04/15/16 08:15	YDN	TAL CAN
Total/NA	Analysis	8270D		1	226914	04/21/16 17:58	MRU	TAL CAN

Client Sample ID: SD-041216-AG-005 — Lab Sample ID: 240-63453-2

Date Collected: 04/12/16 16:22 — **Matrix: Solid**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	225951	04/14/16 09:36	LCN	TAL CAN

Client Sample ID: SD-041216-AG-005 — Lab Sample ID: 240-63453-2

Date Collected: 04/12/16 16:22 — **Matrix: Solid**
Date Received: 04/13/16 16:00 — **Percent Solids: 74.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			226181	04/14/16 14:00	LAM	TAL CAN
Total/NA	Analysis	8260C		1	226215	04/16/16 05:03	TJL2	TAL CAN
Total/NA	Prep	3540C			226094	04/15/16 08:15	YDN	TAL CAN
Total/NA	Analysis	8270D		1	226914	04/21/16 17:33	MRU	TAL CAN

Client Sample ID: RB-041216-AG-006 — Lab Sample ID: 240-63453-3

Date Collected: 04/12/16 16:32 — **Matrix: Water**
Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	227157	04/22/16 12:28	LEE	TAL CAN
Total/NA	Prep	3510C			226115	04/15/16 09:10	CS	TAL CAN
Total/NA	Analysis	8270D		1	226279	04/18/16 14:01	TMH	TAL CAN

Lab Chronicle

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 240-63453-4

Date Collected: 04/12/16 00:00

Matrix: Water

Date Received: 04/13/16 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	227157	04/22/16 12:51	LEE	TAL CAN

Laboratory References:

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

Certification Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National 2016 Sediment

TestAmerica Job ID: 240-63453-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-17
Florida	NELAP	4	E87225	06-30-16 *
Illinois	NELAP	5	200004	07-31-16 *
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-23-17
Kentucky (WW)	State Program	4	98016	12-31-16
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-16
Nevada	State Program	9	OH-000482008A	07-31-16 *
New Jersey	NELAP	2	OH001	06-30-16 *
New York	NELAP	2	10975	03-31-17
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-17
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-17
West Virginia DEP	State Program	3	210	12-31-16
Wisconsin	State Program	5	999518190	08-31-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-63453 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

Columbus TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

240507

Client Information	Sampler: A. Graham	Lab PM: O'Meara, Patrick J	Carrier Tra	COC No: 240-33813-14694.1
Client Contact: Mr. Andy Graham	Phone: (614) 888-5760	E-Mail: patrick.omeara@testamericainc.com		Page: Page 1 of 1
Company: Eagon & Associates, Inc.				Job #:
Address: 100 Old Wilson Bridge Road Suite 115	Due Date Requested: STANDARD TAT			
City: Worthington	TAT Requested (days): STANDARD			
State, Zip: OH, 43085				
Phone: 614-888-5760(Tel) 614-888-5763(Fax)	PO #: Purchase Order not required			
Email: a.graham@eagoninc.com / MGibson@eagoninc.com	WO #:			
Project Name: Summit National 2016 Sediment	Project #: 24016004			
Site: Summit Natl	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D, Moisture (Comp)	8260C - Project TCL VOCs-ML Encores (GRAB)	8270D_(MOD) Project TCL SVOCs (Comp)	8260C - (MOD) Project TCL VOCs (GRAB)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	A	X	
SD-041216-AG-004	4/12/16	1615	G/C	Solid	N	N	X	X	X		5	Short Hold Times
SD-041216-AG-004MS		1615	G/C	Solid	N	Y	X	X	X		5	
SD-041216-AG-004MSD		1615	G/C	Solid	N	Y	X	X	X		5	
SD-041216-AG-005		1622	G/C	Solid	N	N	X	X	X		5	
RB-041216-AG-006		1632	GRAB	~~Solid~~ Water	N	N			X	X	5	
				Water								
TRIP BLANKS	—	—	—	Water	N	N				X	2	2 VIALS

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Sean Robertson / Sean Robertson	4/13/16 / 1600	Eagon	[illegible]	4-13-16 1600	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative **Login #:** 62453
Canton Facility

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

Cooler Received on 4/13/16 Opened on 4/14/16

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

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

TestAmerica Cooler # Columbus Foam Box Client Cooler Box Other _____

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# 48 (CF -1.9 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
   IR GUN# 36 (CF -1.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
   IR GUN# I8 (CF -0.5 °C) Observed Cooler Temp. 2.4 °C Corrected Cooler Temp. 1.9 °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 12-16 have been checked at the originating laboratory.
12. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC559158
13. Were VOAs on the COC? Yes No
14. Were air bubbles >6 mm in any VOA vials? Yes No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # BS31501VB Yes No
16. Was a LL Hg or Me Hg trip blank present? Yes No

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

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

18. 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)

19. 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
L:\QAQC\QA Department\QA TARDIS\Document Control\Work Instructions\WI-NC-099X-011816 Cooler Receipt Form.doc djl

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: S&E Ditch Sediment

WELL DATA

Water-Level Date (MM DD YY) | **Water-Level Time** (2400 Hr. Clock) | **Purge/Sample Method:** GRAB(VOCs) COMP(SVOCs) 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 | Pump Type (Vol) — | A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

Sampling Device X

X-Other SS spoon & bowl | 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)
04/12/16	16:15						

Sample Appearance: — Odor: None Color: Dk Brown/gray Other: —

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

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required): Collected sediment samples w/SS. trowel then transferring to SS bowl w/gloved hand; sediment collected near confluence of S&E Ditches ~1-2' below water surface ~10' from MW-113.

Sample I.D. #s:

SD-041216-AG-004

SD-041216-AG-004MS

SD-041216-AG-004MSD SD-041216-AG-005 (DUP) @ 1622

Samples Collected

TCL VOCs; TCL SVOCs

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

Date	Name	Signature	Company
4/12/16	Andrew D Graham	[signature]	Eagon + Associates, Inc.

EA-100 R: 4/10

FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: S&E Ditch Sed. Rinse Blank

WELL DATA

Water-Level Date (MM DD YY)

Water-Level Time (2400 Hr. Clock)

Purge/Sample Method: GRAB 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

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

X-Other SS trowel + bowl

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)
04/12/16	16:32						

Sample Appearance: — Odor: None Color: None/clear Other: —

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

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

FIELD COMMENTS

S&E Ditch Rinse Blank collected after decon of SS mixing trowel + bowl and prior to collecting sediment samples from the S&E ditch; used lab supplied deionized water poured over bowl + trowel.

Sample I.D. #: RB-041216-AG-006

Samples Collected: TCL VOCs, TCL SVOCs

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

Date	Name	Signature	Company
4/12/16	Andrew D. Graham		Eagon & Associates, Inc.

EA-100 R: 4/10

FIELD METER CALIBRATION RECORD

Project Name: Summit National Sampler(s): ~~N Karow~~ A. Graham

pH Meter(s): Make/Model/Serial No: Oakton 300 S/N ~~180251~~ 456065

Buffer Brand/Expiration: pH 4 IE / 12-16 ; pH 7 IE / 5-7-17 ; 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)
4/12/16	1415	Calibrate	4.01	7.03	—	12.5

Conductivity/Temp. Meter(s): Make/Model/Serial No: Oakton 300 S/N 180251

Cond. Solution Brand/Expiration: IE / 5-6-16 (1413) IE / 8-18-16 (4490) Cond. Solution Value (@ 25 °C): 1413 / 4490

Date	Time	Calibrate/Check	Cond. Standard Result (µmhos/cm)	Temp. of Cond. Soln' (°C)	Notes:
4/12/16	1418	Calibrate	1420	12.4	

Turbidity Meter(s): Make/Model/Serial No: HACH 2100QP S/N ~~14110C037172~~ 0803028813

Date	Time	Calibrate/Check	Gel Value (NTU)	Reading (NTU)	Notes:
4/12/16	1420	Check	5.37	5.50	

Sampler (Name): Andrew D. Graham ~~Nick A Karow~~ Sampler (Signature): [signature]

APPENDIX C.

DATA VALIDATION RESULTS

DATA VALIDATION RESULTS

Groundwater Samples

Groundwater samples were collected from 12 monitoring wells during the April 2016 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 groundwater samples were received at the laboratory at temperatures of 1.3 and 3.7°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 was a reported detection of Acetone (1.1J ug/L) in the trip blank. Estimated results for Acetone were also reported in samples from MW-114 (1.9J ug/L) and MW-209 (5.1J ug/L). MW-114 has no history of Acetone detections, estimated or quantified. The estimated result for Acetone for MW-209 is consistent with historical results. Other VOC results are generally consistent with historical results. High dilution factors used for analysis of samples from MW-107 (125 times) and MW-108 (10 times) has resulted in correspondingly higher RLs and PQLs. Reported results from MW-107 and MW-108 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 volatile organic compounds (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 (included in the laboratory analytical report) indicates that sediment samples were received at the laboratory at a temperature of 1.9°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 relative percent difference (RPD) was calculated for each set of quantified results. RPD values were greater than 20 percent for 2-

Methylnapthalene, Benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, Fluoranthene, 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. Chloroform was detected in the method blank associated with the analyses of the sample and duplicate. The method blank result was 0.454 micrograms per kilogram (ug/Kg). Chloroform results were also reported above the MDL for the sample (0.50JB ug/Kg) and duplicate (0.57JB ug/Kg). The similarity of the sample and duplicate results to the method blank (MB) result suggests that the Chloroform detections are from a laboratory derived source and are not present in the sediment samples. There has only been one reported detection of Chloroform from historic Site sediment samples.

The TestAmerica narrative in the laboratory analytical data report indicates that recoveries of 1,1,2,2-Tetrachloroethane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Styrene were above the upper QC limits in the continuing calibration verification (CCV) sample associated with analyses of the sediment sample and duplicate. The high recoveries indicate a potential high bias to the sample results. Results from the sample and duplicate were nondetect to the reporting limit for these compounds and are reported unqualified. The nondetect results are consistent with historical results for these compounds.

The recovery of Bromomethane was above the QC limit in the laboratory control sample (LCS) associated with analysis of the Rinse Blank and Trip Blank. The high LCS recovery

indicates a potential high bias in the sample results. Results for Bromomethane were nondetect for both soil samples and are reported unqualified.

The recoveries of bromomethane and Trichlorofluoromethane were above the upper QC limits in the CCV sample associated with analysis of the Rinse Blank and Trip Blank. The high CCV recoveries indicate a potential high bias in the sample results. The results for bromomethane were nondetect for both blank samples and are reported unqualified. Trichlorofluoromethane is not a reported analyte for the Site.

The recoveries of 2-Butanone and 2-Hexanone were outside of method criteria in the CCV sample associated with analysis of the Rinse Blank and Trip Blank. A CCV standard was analyzed with compliant results. Results for 2-Butanone and 2-Hexanone were nondetect for both blank samples and are reported unqualified.

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 and blank spike recoveries were compliant.

There was and RPD exceedance for 4-Chloroaniline for the MS and MSD samples associated with analysis of the sediment sample and duplicate. The RPD was 58 percent and the RPD limit is 36 percent. The MS and MSD results were compliant. The results for both samples were nondetect. The nondetect results are consistent with historical results so the data are reported unqualified.

MS/MSD recoveries were below the QC limits for 3,3'-Dichlorobenzidiene in the QC samples associated with analysis of the sediment sample and duplicate. The MS recovery was nine percent and the MSD recovery was zero percent. The lower QC limit is 10 percent so the data are not automatically qualified due to the low spike recoveries. Results from both samples

were nondetect for 3,3'-Dichlorobenzidiene. These nondetect results are consistent with historical results and the data are reported unqualified.

MS/MSD recoveries were below the QC limits for Hexachlorocyclopentadiene in the QC samples associated with analysis of the sediment sample and duplicate. The MS and MSD recoveries were zero percent. The lower QC limit is 10 percent so the data are not automatically qualified due to the low spike recoveries. Results from both samples were nondetect for Hexachlorocyclopentadiene. These nondetect results are consistent with historical results and the data are reported unqualified.

The MSD recovery was above the QC limit for 2-Methylnapthalene in the QC sample associated with analysis of the sediment sample and duplicate. The MSD recovery was 222 percent. The upper QC limit is 133 percent. The MS recovery was compliant. The RPD also exceeded the QC limit. The RPD was 75 percent and the QC limit is 42 percent. The sample result was 660 ug/Kg and the duplicate sample result was 500 ug/Kg. The high MSD recovery indicates a potential high bias in the sample results. The sample results have been qualified as estimated with a "J" qualifier due to the high MSD recovery. 2-Methylnapthalene has consistently been detected in Site sediment samples, but the sample and duplicate results from this event are higher than the majority of historical results.

The MSD recovery was above the QC limit for Naphthalene in the QC sample associated with analysis of the sediment sample and duplicate. The MSD recovery was 193 percent. The upper QC limit is 111 percent. The MS recovery was compliant. The sample result was 440 ug/Kg and the duplicate sample result was 330 ug/Kg. The high MSD recovery indicates a potential high bias in the sample results. The sample results have been qualified as estimated with a "J" qualifier due to the high MSD recovery. Naphthalene has consistently been detected in Site sediment samples, but the sample and duplicate results from this event are higher than the majority of historical results.

The MSD recovery was below the QC limit for 3-Nitroaniline in the QC sample associated with analysis of the sediment sample and duplicate. The MSD recovery was seven

percent. The lower QC limit is 10 percent so the sample results are not automatically qualified due to the low spike recovery. The MS recovery was compliant. The RPD also exceeded the QC limit. The RPD was 62 percent and the QC limit is 30 percent. The results for the sample and duplicate were nondetect. The low MSD recovery indicates a potential low bias in the sample results. The sample results have been qualified as estimated with a "J" qualifier due to the low MSD recovery. The sample and duplicate results are consistent with historical results.

The RPD exceeded the QC limit for 4-Nitroaniline for the MS/MSD analyses associated with the sediment sample and duplicate. The RPD was 73 percent and the QC limit is 48 percent. The MS and MSD recoveries were compliant and the sample results were nondetect for 4-Nitroaniline. The nondetect results are consistent with historical results and the data are reported unqualified.

MS/MSD recoveries were below the QC limits for Pentachlorophenol in the QC samples associated with analysis of the sediment sample and duplicate. The MS and MSD recoveries were one percent. The lower QC limit is 10 percent so the data are not automatically qualified due to the low spike recoveries. Results from both samples were nondetect for Pentachlorophenol. These nondetect results are consistent with historical results and the data are reported unqualified.

There was a detection of Diethyl phthalate (0.212J ug/kg) in the method blank associated with analysis of the sample from the Rinse Blank. The method blank result is below the RL and the result for Diethyl phthalate in the Rinse Blank is nondetect to the MDL.

The recovery of 2,4-Dinitrophenol were above the upper QC limit in the CCV sample associated with analysis of the Rinse Blank. The high CCV recovery indicates a potential high bias in the sample results. The sample result for 2,4-Dinitrophenol was nondetect and is reported unqualified.

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 volatile organic compounds (VOCs) by SW-846 Method 8260C and semi-volatile organic compounds (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 3) and the relative percent difference (RPD) was calculated for each set of quantified results. Calculable RPD values between the original and duplicated samples were less than 20 percent for all duplicate comparisons.

The sample receipt summary (included in the laboratory analytical report) indicates that surface water samples were received at the laboratory at a temperature of 5.1°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.

The recovery of Bromomethane was above the QC limit in the laboratory control sample (LCS) associated with analysis of the Surface-Water sample, Duplicate, Field Blank and Trip Blank. The high LCS recovery indicates a potential high bias in the sample results. Results for

Bromomethane were nondetect for all of the associated samples and are reported unqualified.

The MS recovery was above the QC limit for Bromomethane in the QC sample associated with analysis of the Surface-Water sample, Duplicate, Field Blank and Trip Blank. The MS recovery was 155 percent. The upper QC limit is 136 percent. The MSD recovery was compliant. The high MS recovery indicates a potential high bias in the sample results. The results for all samples were nondetect so no data are qualified due to the high MS recovery.

The recoveries of Bromomethane was above the upper QC limits in the CCV sample associated with analysis of the Surface-Water sample, Duplicate, Field Blank and Trip Blank. The high CCV recovery indicates a potential high bias in the sample results. The results for Bromomethane were nondetect for all of the associated samples and are reported unqualified.

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 and blank spike recoveries were compliant.

Diethyl phthalate was detected in the Method Blank associated with analysis of the Surface-Water sample, Duplicate and Field Blank. The Method Blank result was 0.212J ug/L. Diethyl phthalate was not detected in the associated samples.

The MS recovery was below the QC limit for 4-Chloroaniline in the QC sample associated with analysis of the Surface-Water sample, Duplicate, and Field Blank. The MS recovery was seven percent. The lower QC limit is 10 percent. The MSD recovery was compliant. The low MS recovery indicates a potential low bias in the sample results. The RPD also exceeded the control limit. The RPD was 70 percent and the RPD limit is 30 percent. The results for all samples were nondetect and are qualified as estimated (J) due to the low MS recovery and RPD failure.

The RPD for 3,3'-Dichlorobenzidine exceeded the QC limit in the MS/MSD analyses associated with analysis of the Surface-Water, Duplicate, and Field Blank samples. The RPD was 50 percent and the QC limit is 30 percent. MS/MSD recoveries were compliant and 3,3'-Dichlorobenzidine was not detected in the associated samples.

The recovery of 2,4-Dinitrophenol was above the upper QC limit in the CCV sample associated with analysis of the Surface-Water, Duplicate, and Field Blank samples. The high CCV recovery indicates a potential high bias in the sample results. The results for 2,4-Dinitrophenol were nondetect for all of the associated samples and are reported unqualified.

The recovery of 3-Nitroaniline was below the lower QC limit in the CCV sample associated with analysis of the Surface-Water, Duplicate, and Field Blank samples. The low CCV recovery indicates a potential low bias in the sample results. The results for 3-Nitroaniline were nondetect for all of the associated samples. As noted in the TestAmerica Case Narrative, a Limit of Detection Verification was analyzed at the RL to support the nondetect results. The results are reported unqualified.

Summary

The April 2016 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 as described in this data validation report. No data were rejected so completeness for the April 2016 groundwater monitoring event is 100 percent.

TABLE C1.
RELATIVE PERCENT DIFFERENCES OF QUANTIFIED RESULTS
SUMMIT NATIONAL SUPERFUND SITE

Location				
Parameter	**Units**	**Investigative Sample**	**Duplicate Sample**	**RPD[1]**
MW-108		GW-041316-NK-017	GW-041316-NK-018	
1,1,1-Trichloroethane	ug/L	ND <10	ND <10	NC[2]
1,1-Dichloroethane	ug/L	310	280	10.2
1,2-Dichloroethane	ug/L	61	60	1.7
Acetone	ug/L	ND <100	ND <100	NC[2]
Benzene	ug/L	130	120	8.0
Chlorobenzene	ug/L	ND <10	ND <10	NC[2]
Chloroethane	ug/L	ND <10	ND <10	NC[2]
cis-1,2-Dichloroethene	ug/L	250	220	12.8
Ethylbenzene	ug/L	ND <10	ND <10	NC[2]
Toluene	ug/L	ND <10	ND <10	NC[2]
trans-1,2-Dichloroethene	ug/L	6 J[3]	5.6 J[3]	6.9
Trichloroethene	ug/L	28	27	3.6
Vinyl chloride	ug/L	110	95	14.6
Xylene (total)	ug/L	ND <20	ND <20	NC[2]
MW-224		GW-041216-NK-007	GW-041216-NK-008	
1,1,1-Trichloroethane	ug/L	ND <1.0	ND <1.0	NC[2]
1,1-Dichloroethane	ug/L	ND <1.0	ND <1.0	NC[2]
1,2-Dichloroethane	ug/L	ND <1.0	ND <1.0	NC[2]
Acetone	ug/L	ND <10	ND <10	NC[2]
Benzene	ug/L	ND <1.0	ND <1.0	NC[2]
Chlorobenzene	ug/L	ND <1.0	ND <1.0	NC[2]
Chloroethane	ug/L	ND <1.0	ND <1.0	NC[2]
cis-1,2-Dichloroethene	ug/L	ND <1.0	ND <1.0	NC[2]
Ethylbenzene	ug/L	ND <1.0	ND <1.0	NC[2]
Toluene	ug/L	ND <1.0	ND <1.0	NC[2]
trans-1,2-Dichloroethene	ug/L	ND <1.0	ND <1.0	NC[2]
Trichloroethene	ug/L	ND <1.0	ND <1.0	NC[2]
Vinyl chloride	ug/L	ND <1.0	ND <1.0	NC[2]
Xylene (total)	ug/L	ND <2.0	ND <2.0	NC[2]

Notes:

ND - Non-Detect

[1] RPD - Relative Percent Difference

[2] NC - Not Calculable

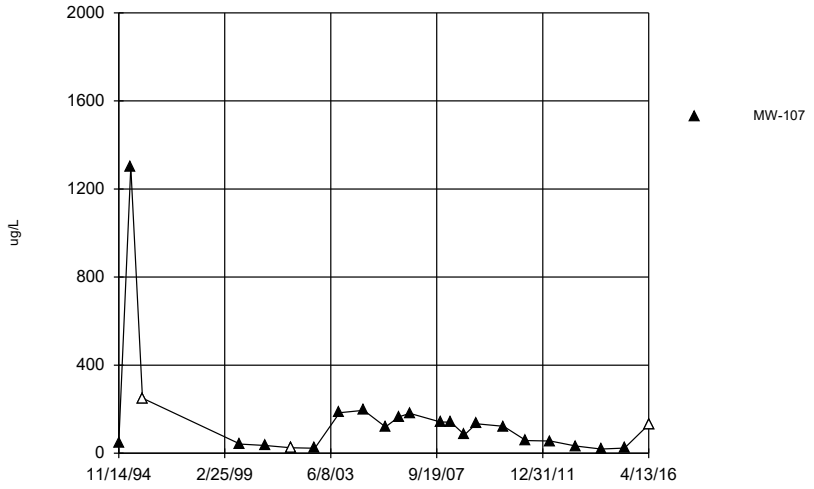
[3] J - Estimated result less than the practical quantitation limit and greater than the method detection limit.

APPENDIX D.

TIME-SERIES PLOTS OF WATER-QUALITY DATA, ANNUAL MONITORING WELLS

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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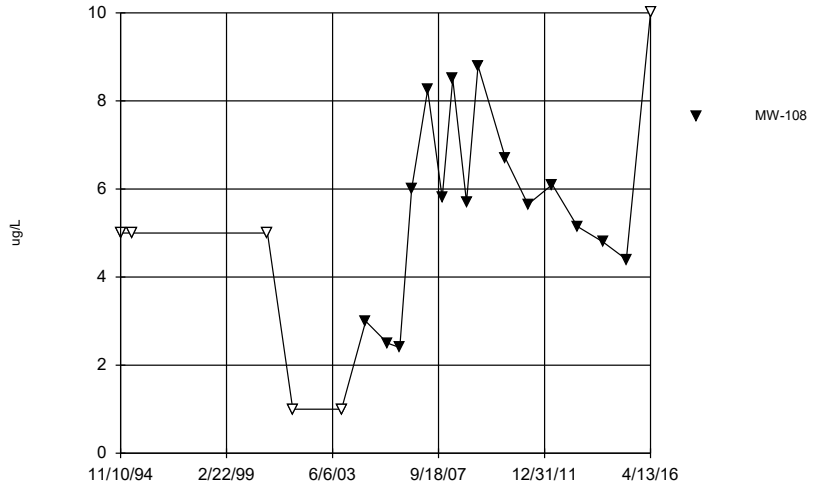
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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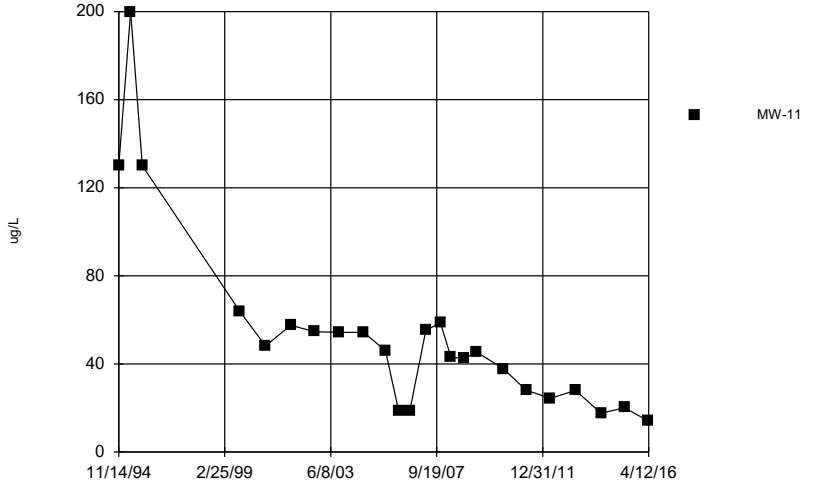
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

Time Series



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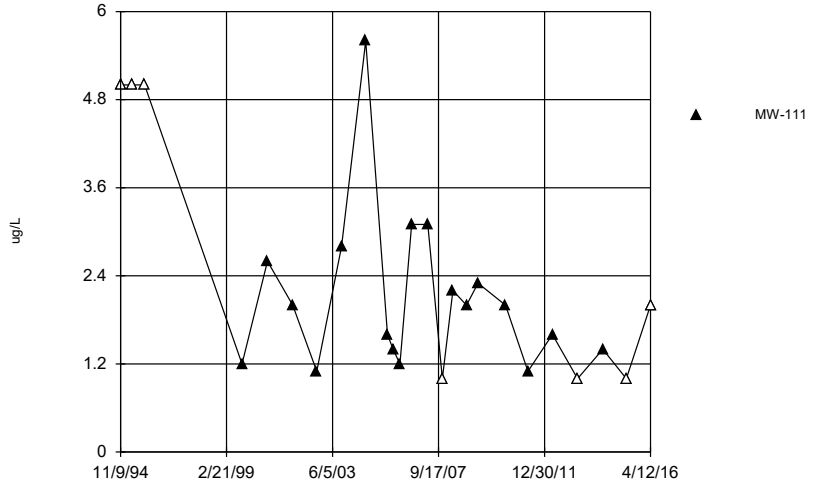
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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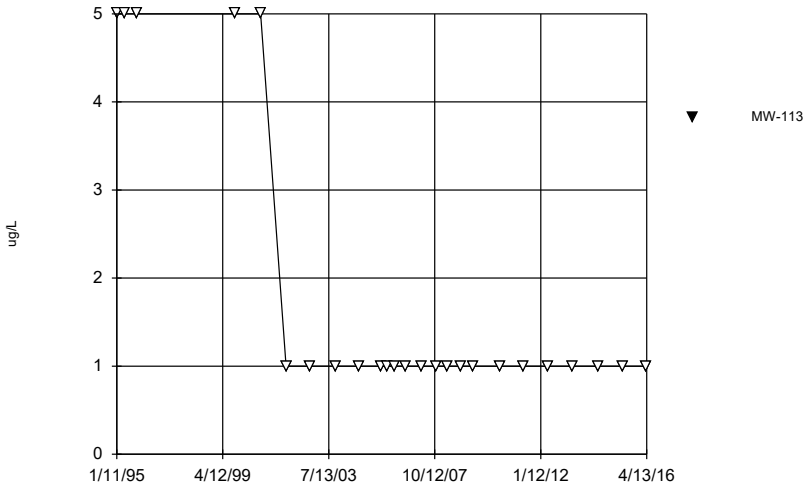
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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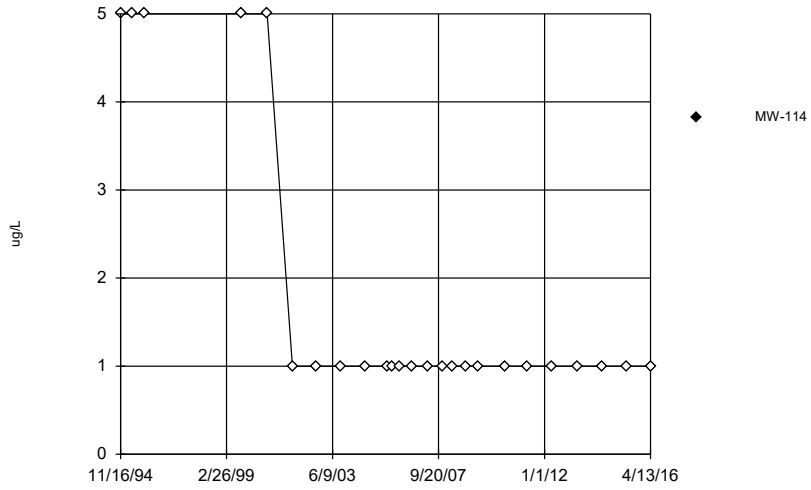
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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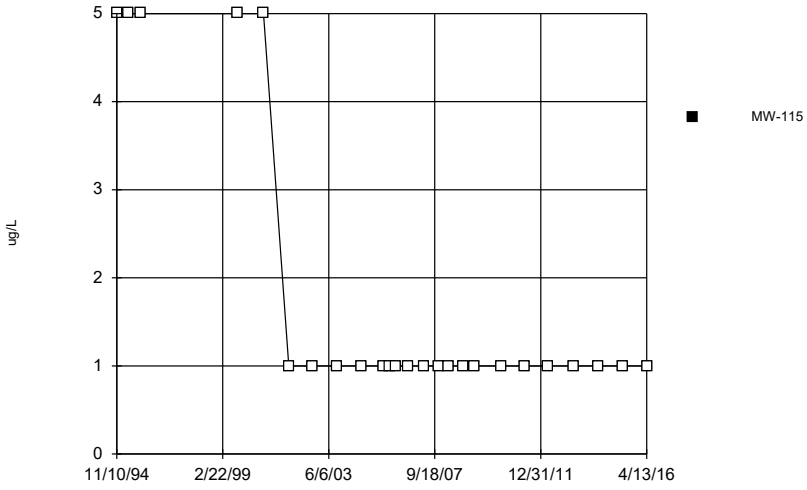
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

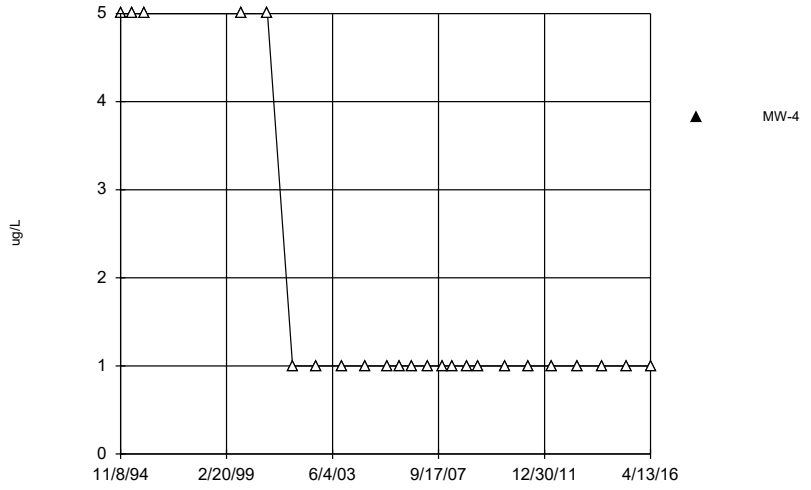
Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 3:32 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 3:32 PM View: WTU Time Series
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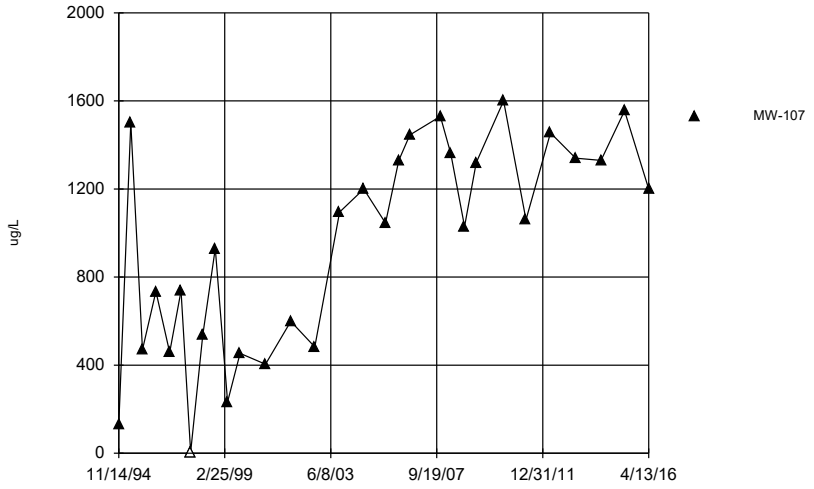
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

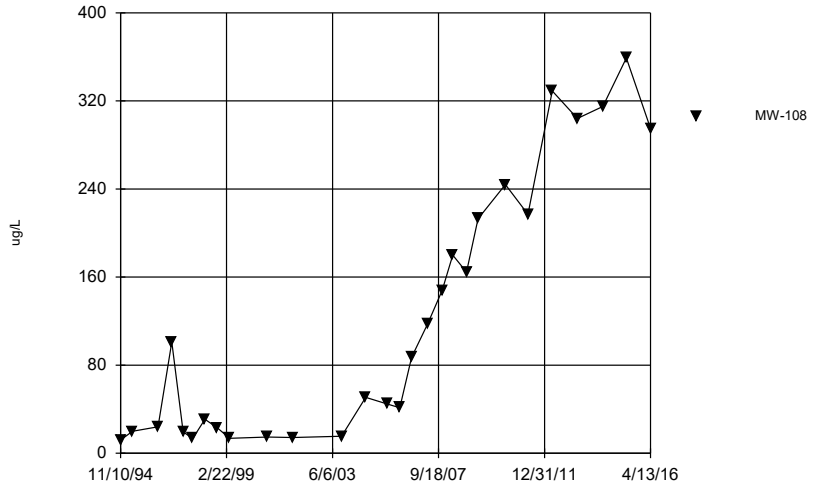
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 3:33 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

Time Series



Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 3:33 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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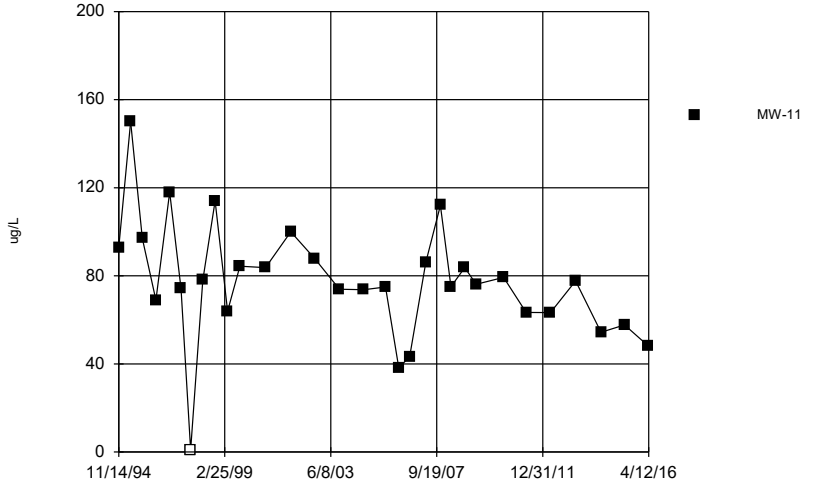
Hollow symbols indicate censored values.

Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

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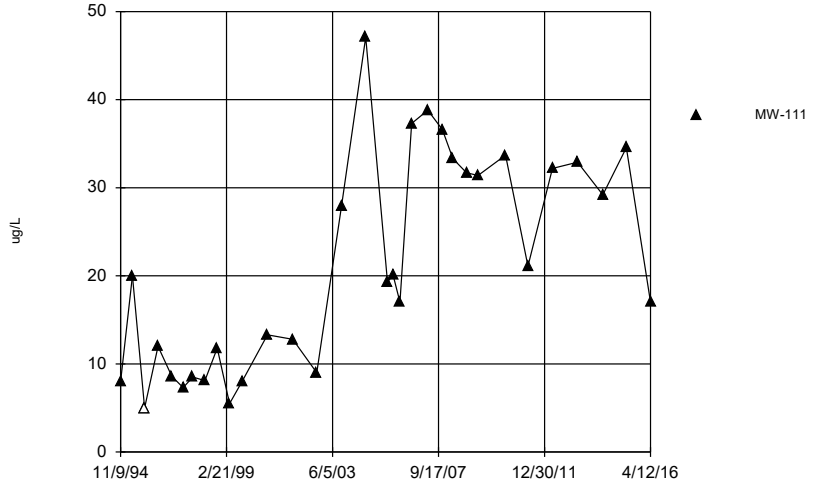
Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

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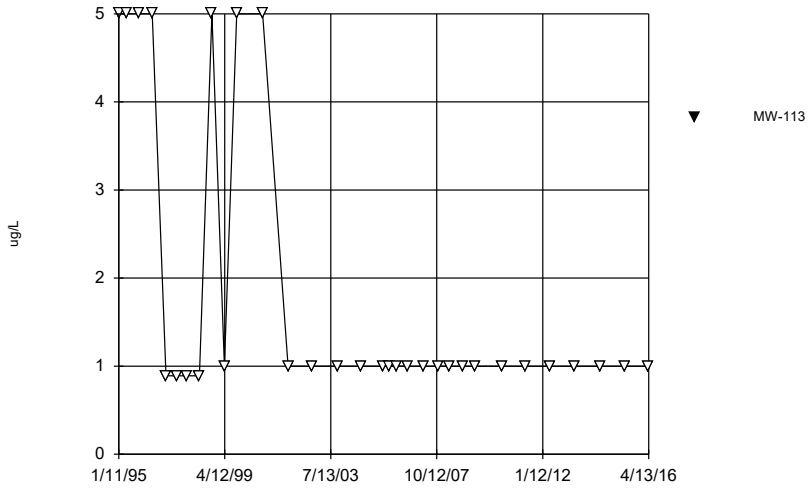
Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

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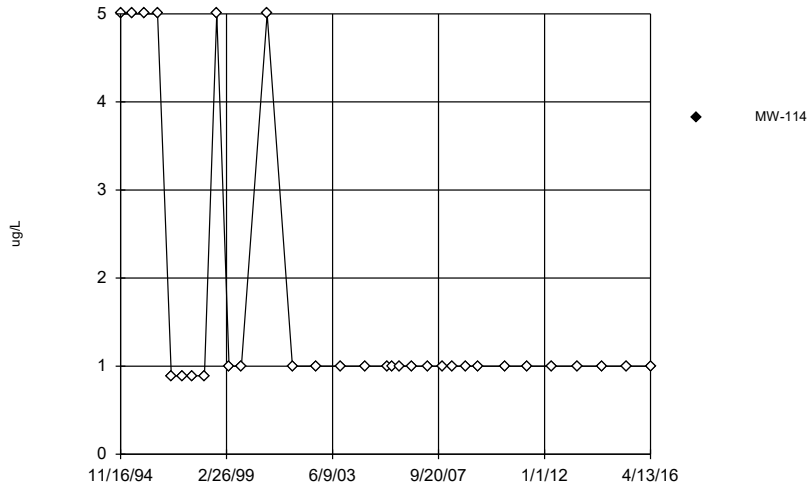

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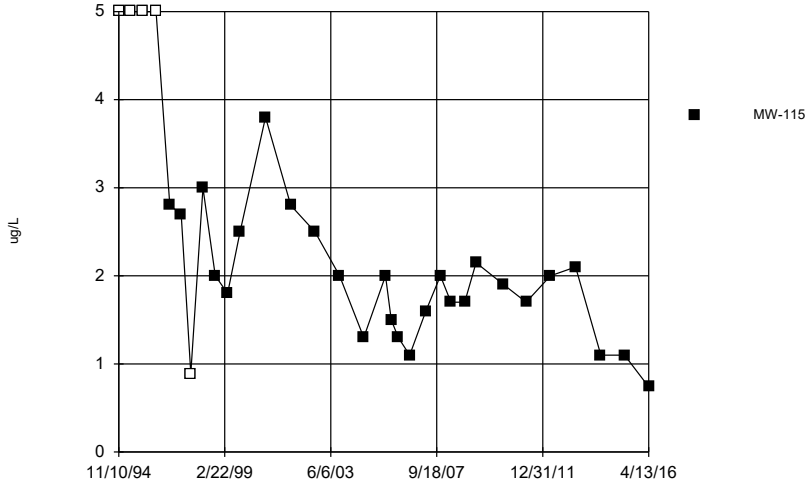

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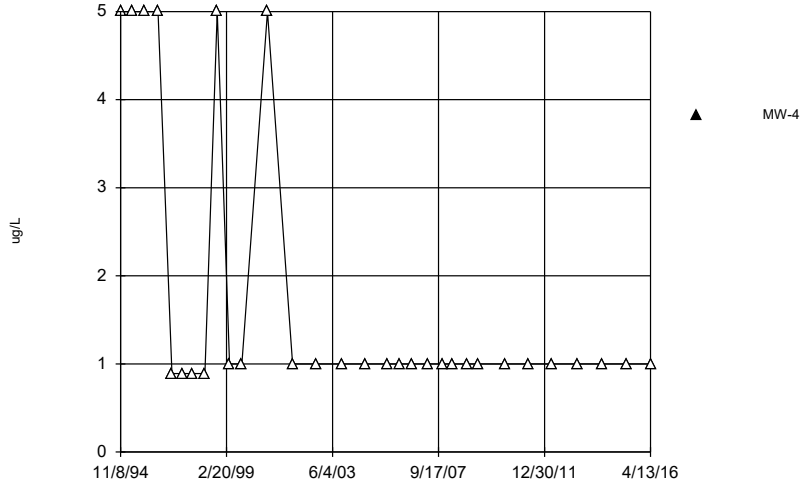

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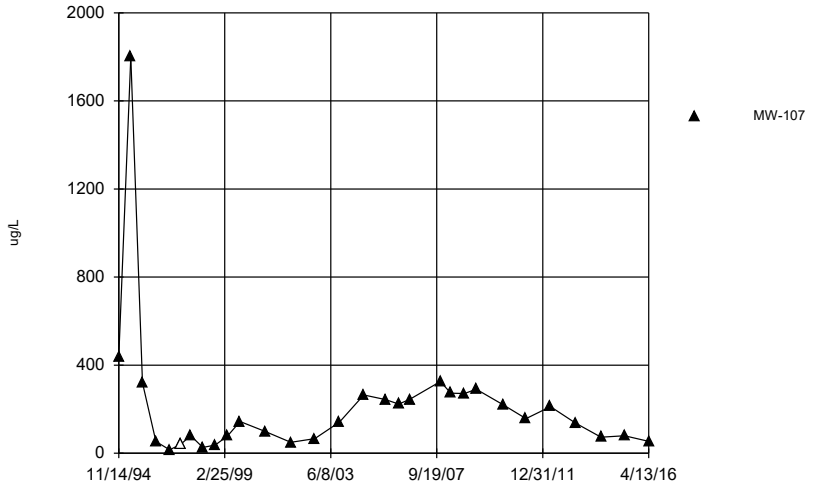
Time Series



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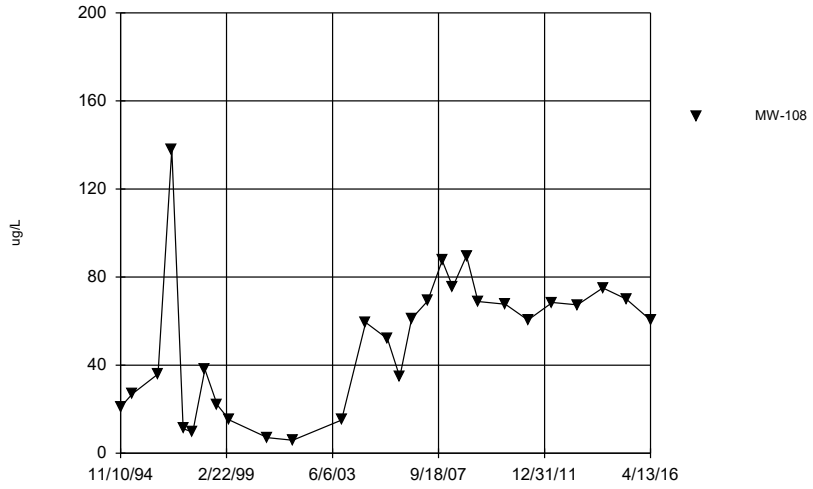
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

Time Series



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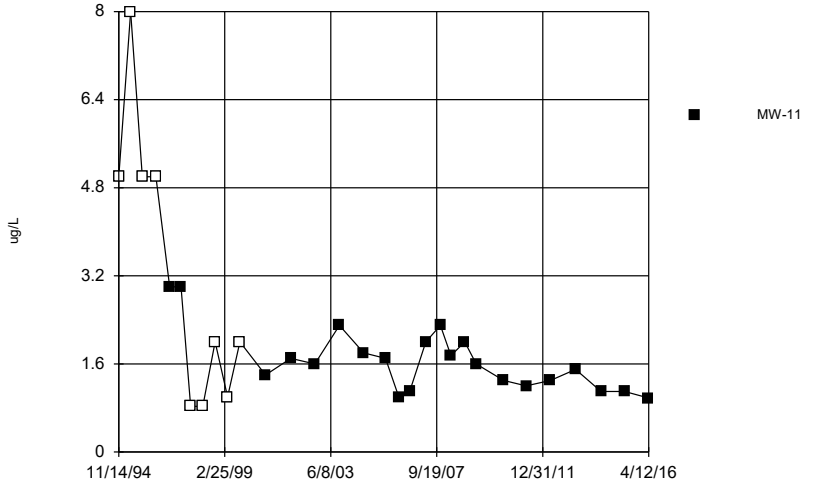

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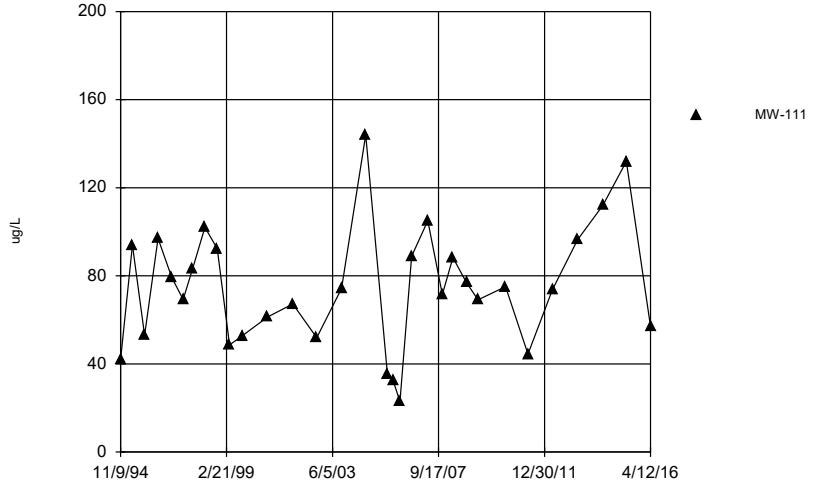

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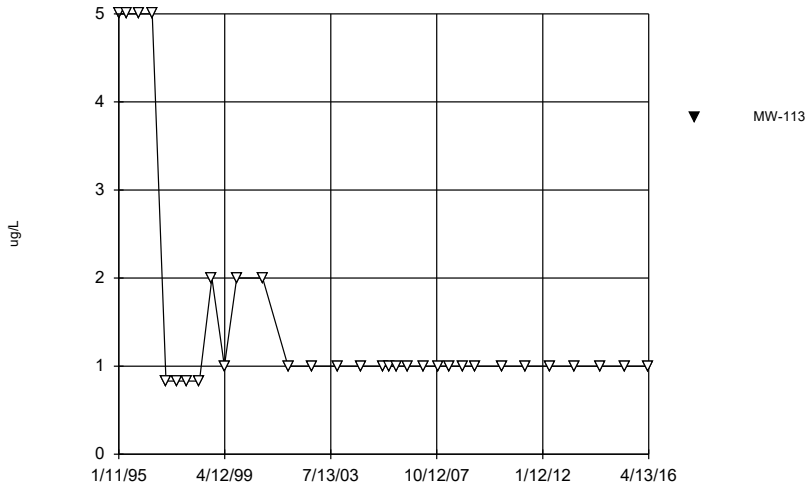

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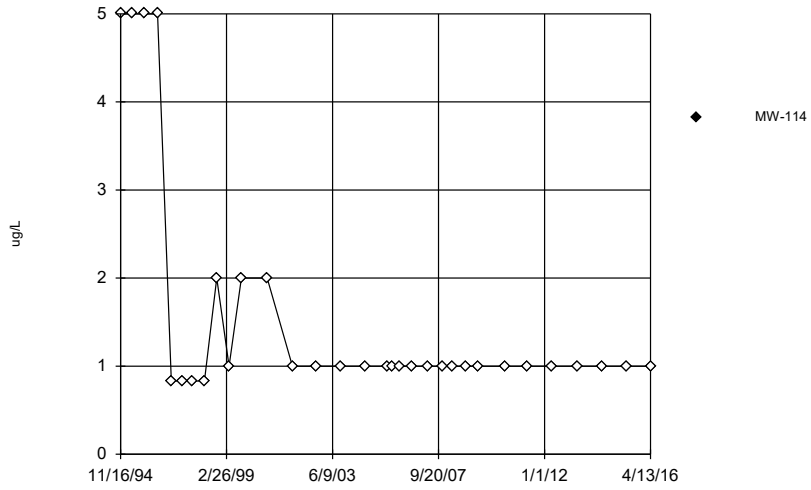

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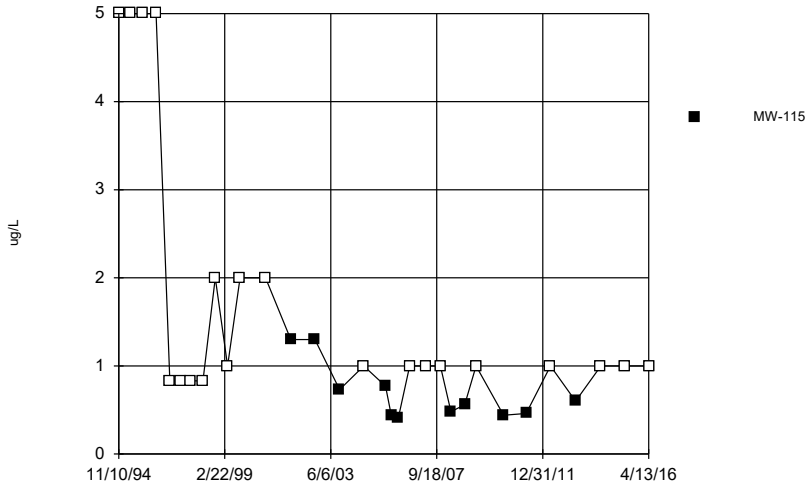

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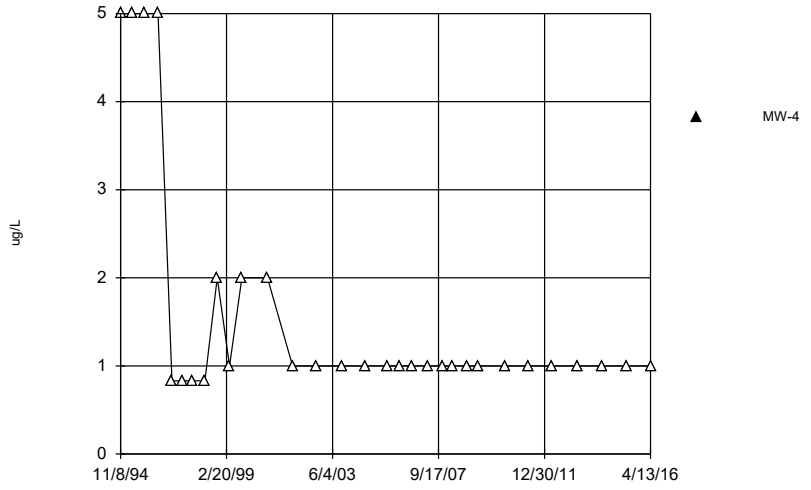

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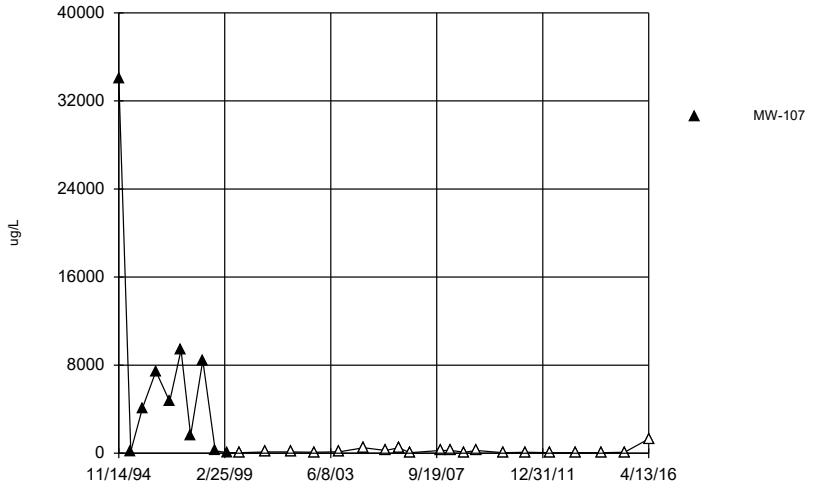

Constituent: Acetone Analysis Run 6/3/2016 3:36 PM View: WTU Time Series
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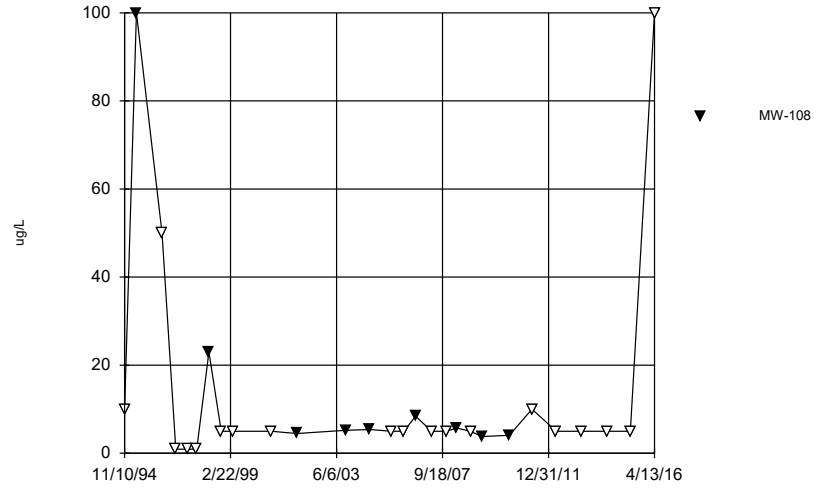
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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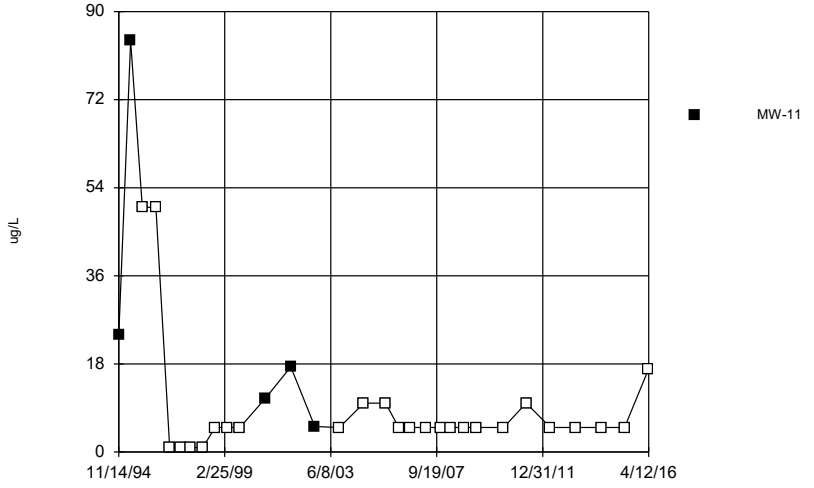

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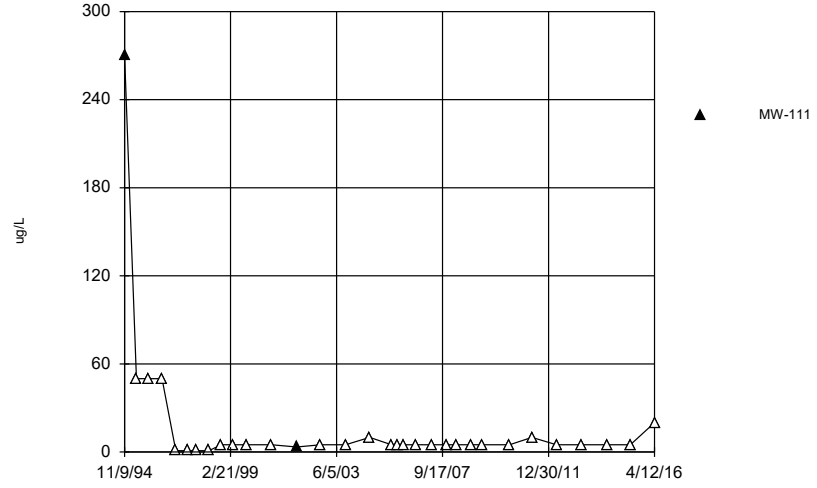

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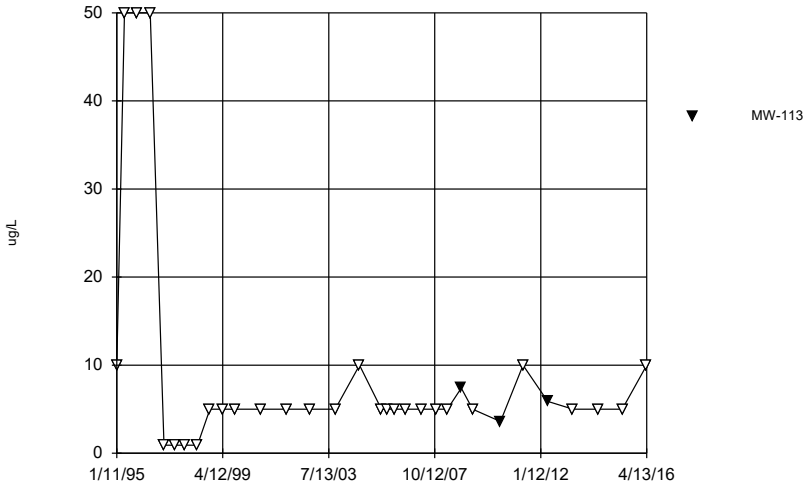

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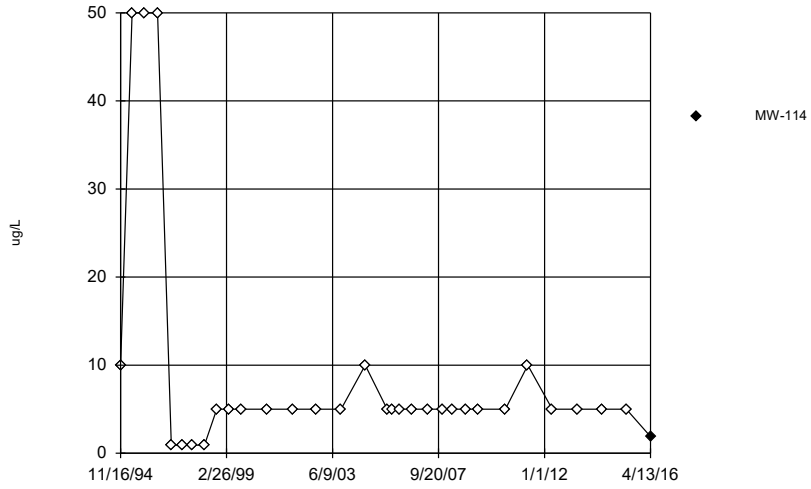

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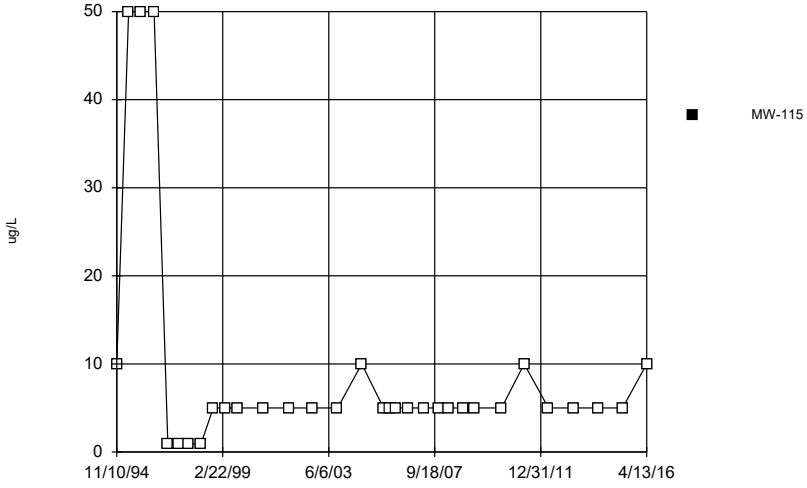

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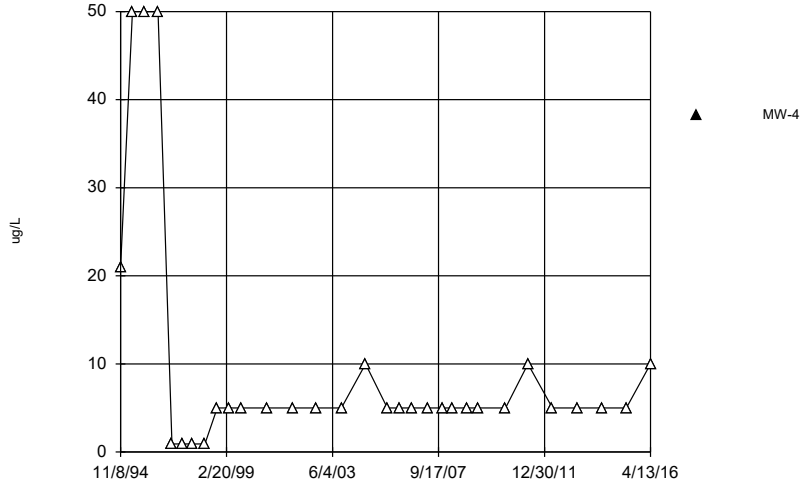

Constituent: Acetone Analysis Run 6/3/2016 3:37 PM View: WTU Time Series
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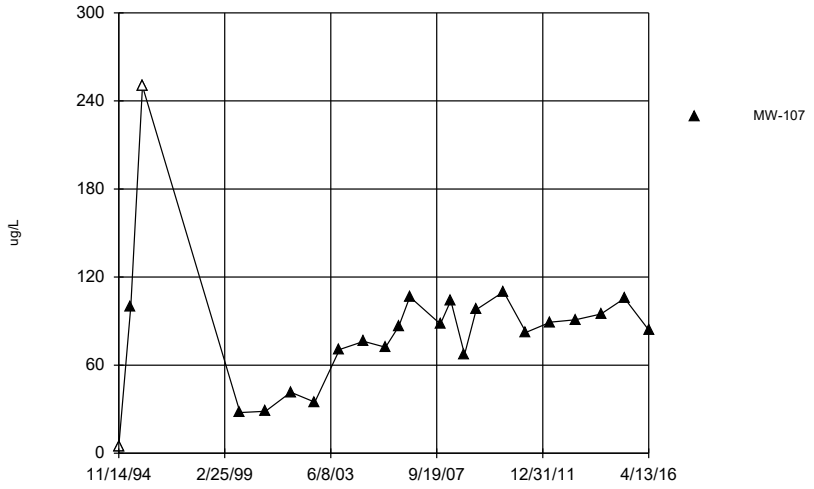

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Hollow symbols indicate censored values.

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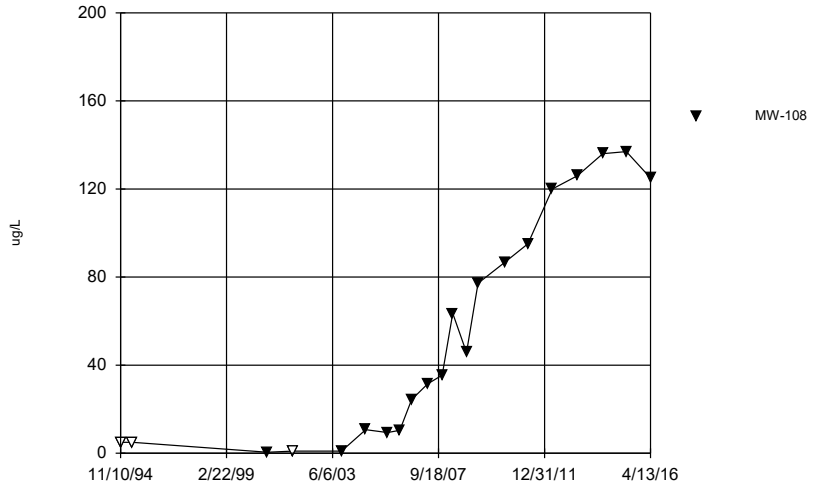

Constituent: Benzene Analysis Run 6/3/2016 3:38 PM View: WTU Time Series
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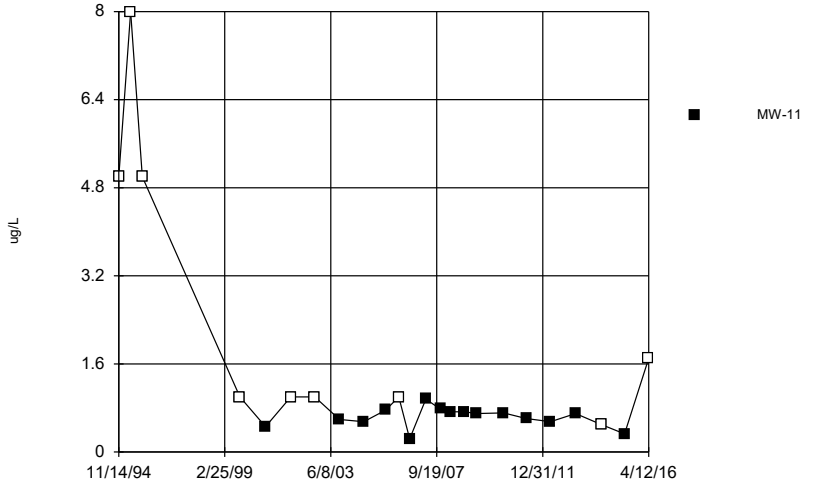

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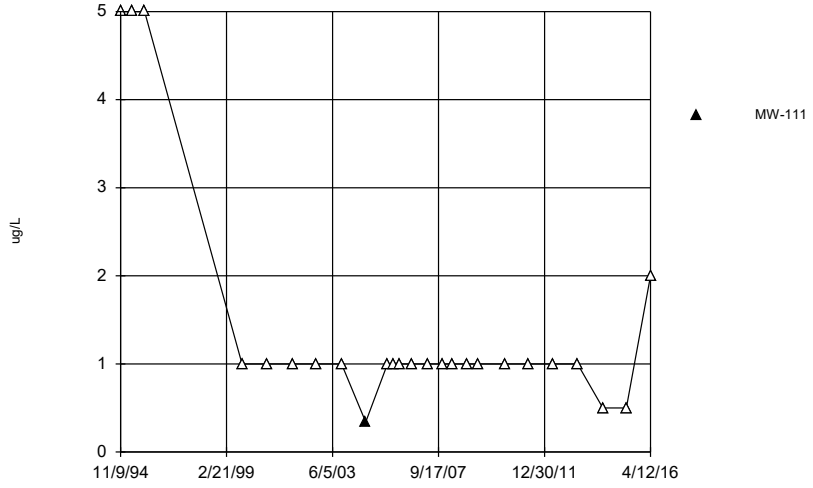

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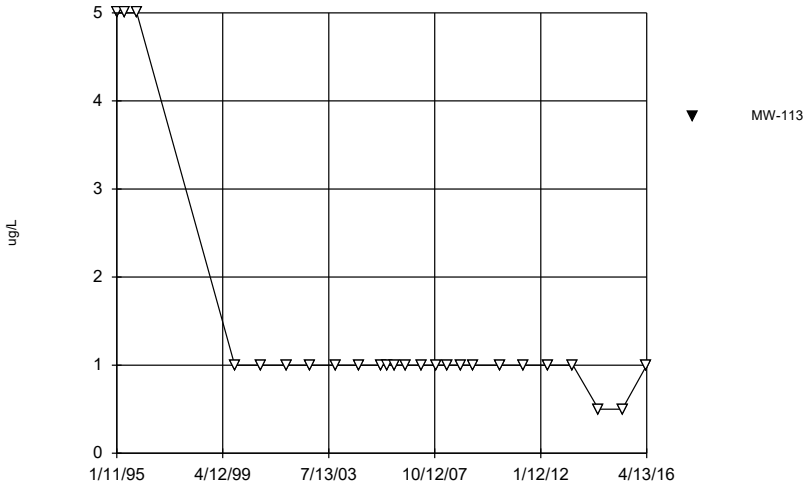

Constituent: Benzene Analysis Run 6/3/2016 3:38 PM View: WTU Time Series
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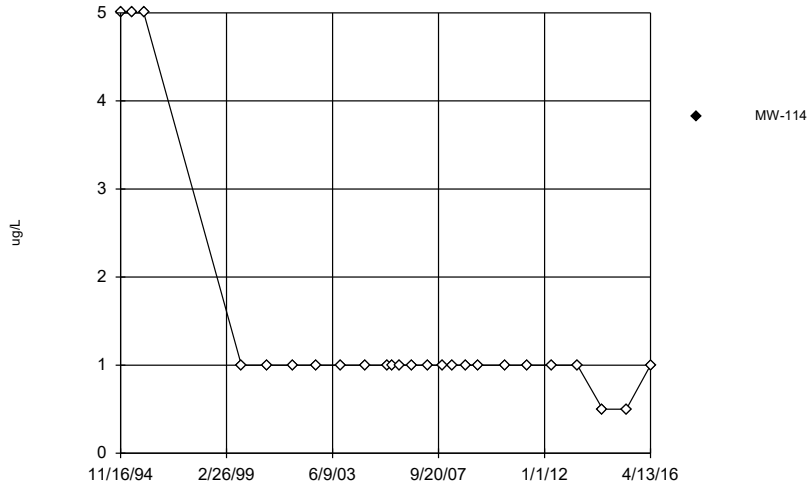

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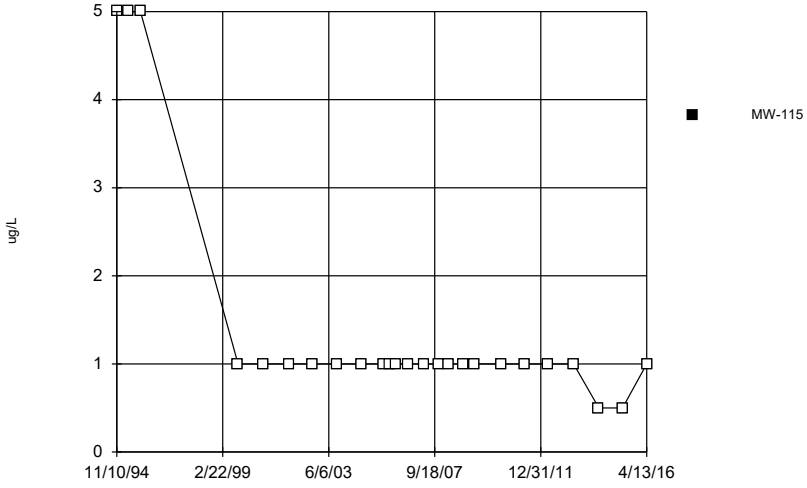

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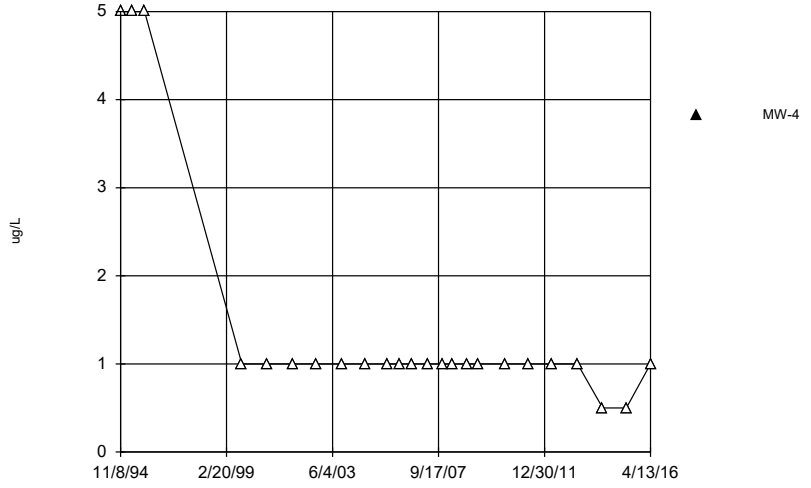

Constituent: Benzene Analysis Run 6/3/2016 3:38 PM View: WTU Time Series
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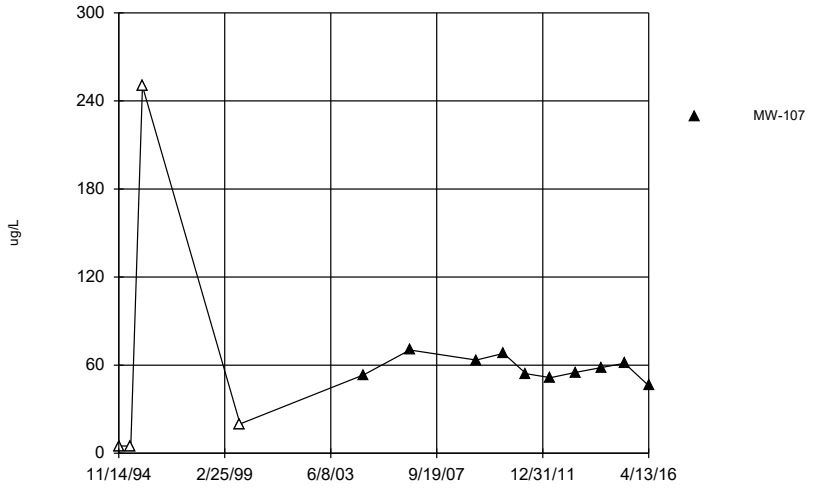

Constituent: Chlorobenzene Analysis Run 6/3/2016 3:39 PM View: WTU Time Series
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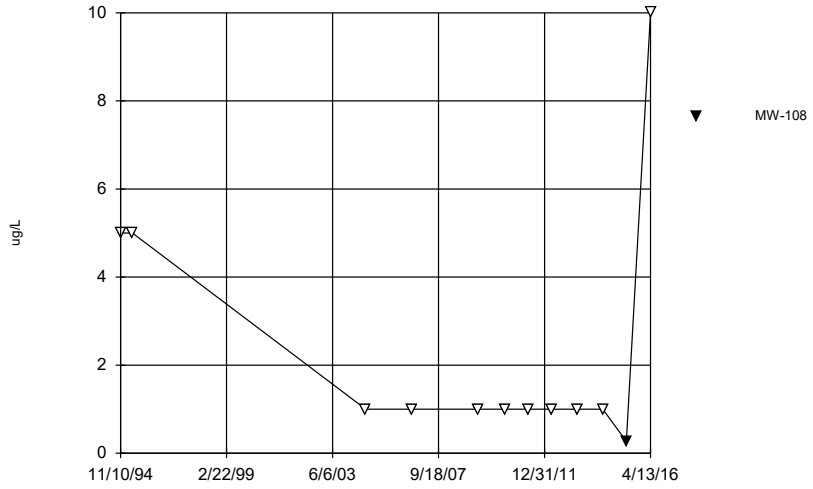
Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 3:39 PM View: WTU Time Series
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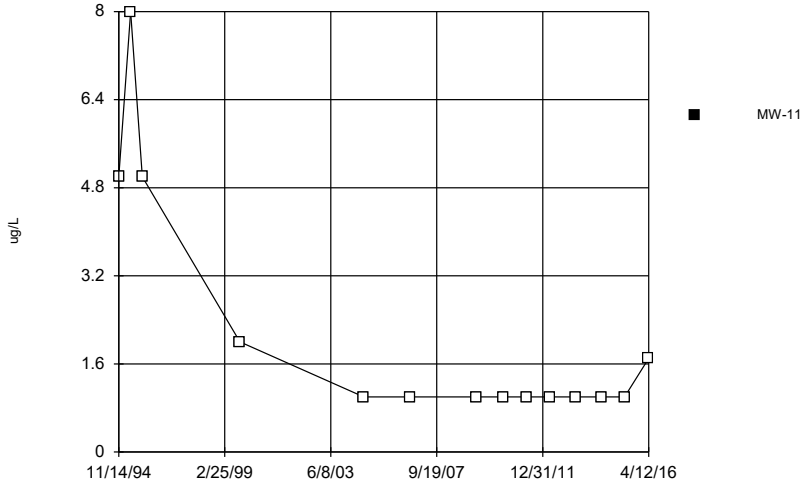

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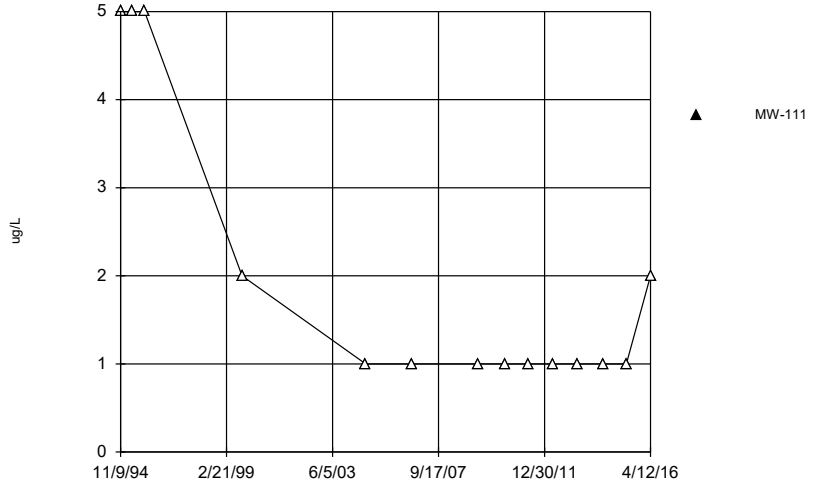

Constituent: Chlorobenzene Analysis Run 6/3/2016 3:39 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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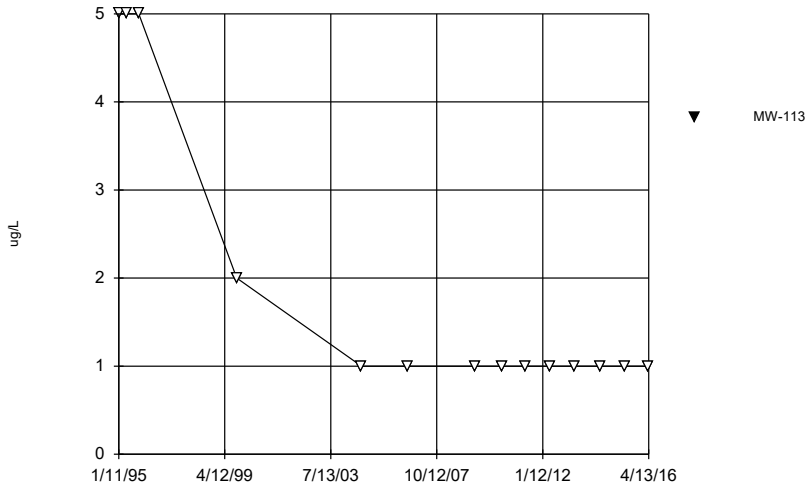
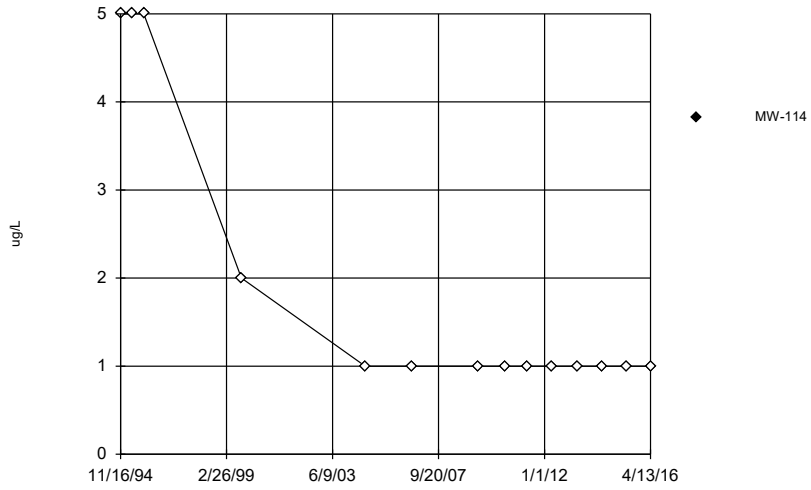
Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 3:40 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 3:40 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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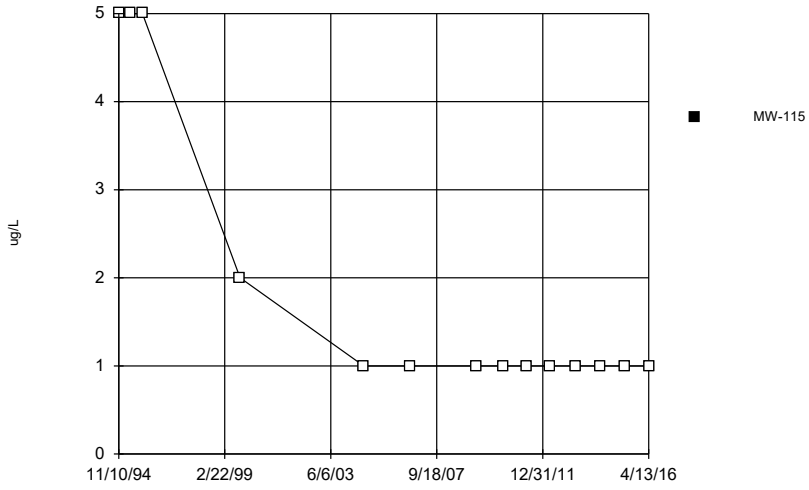
Time Series



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Summit National Site Client: Summit National Site Data: Summit.National.Database

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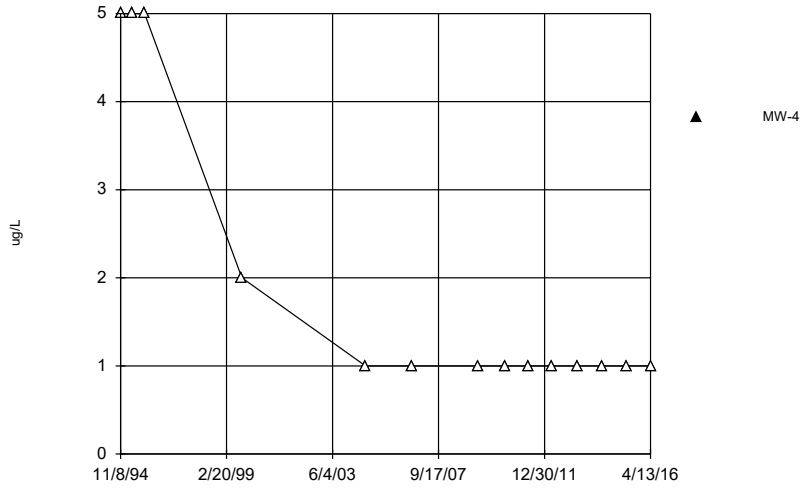
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 3:40 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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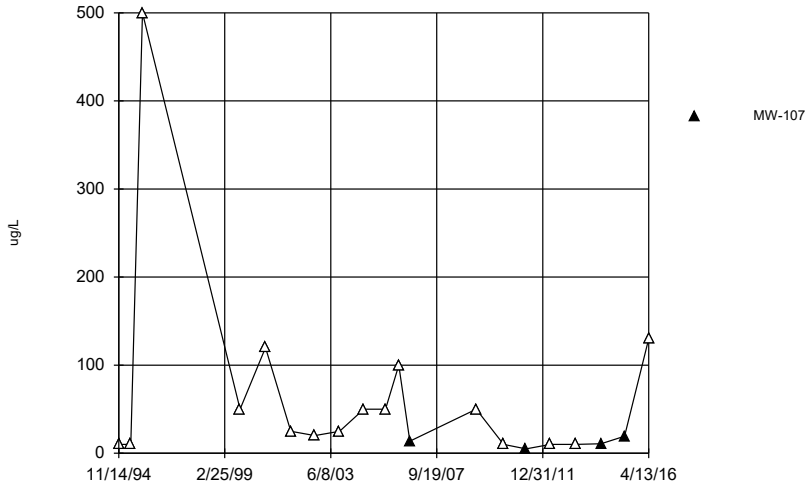
Hollow symbols indicate censored values.

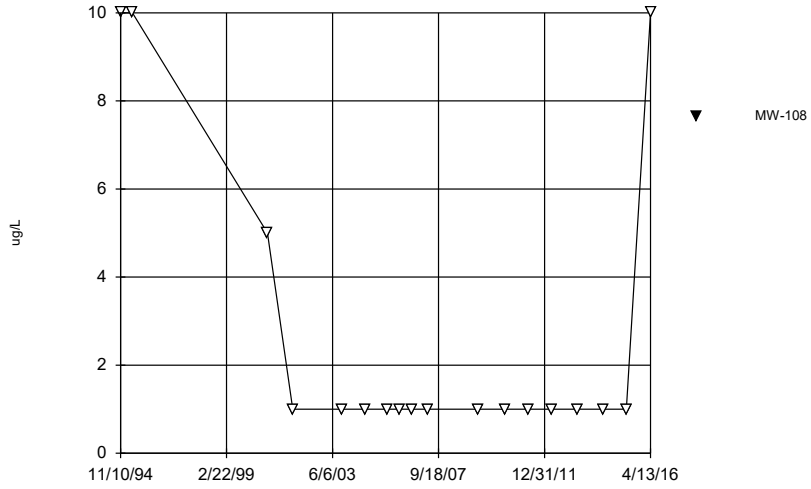
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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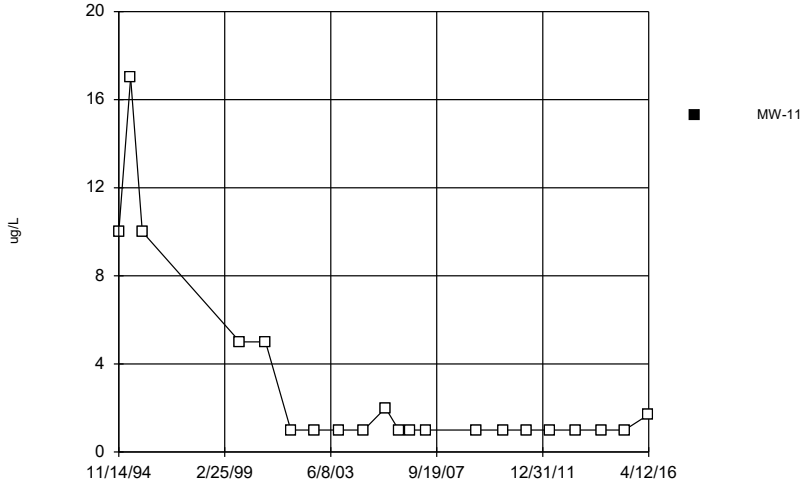
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

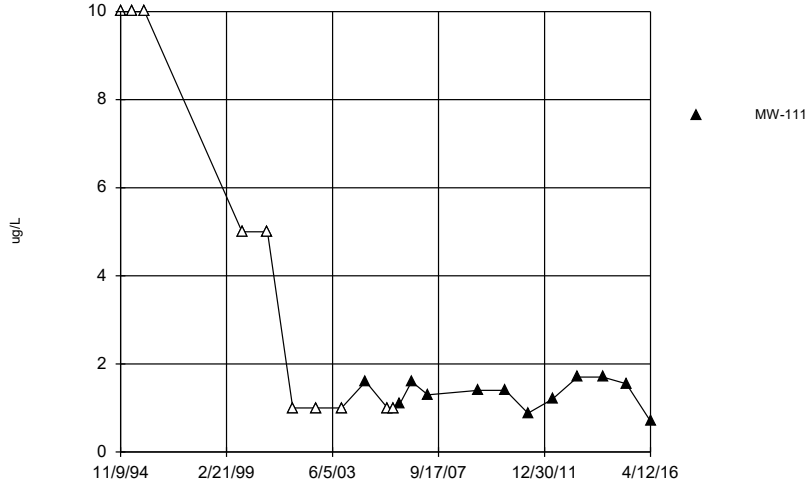
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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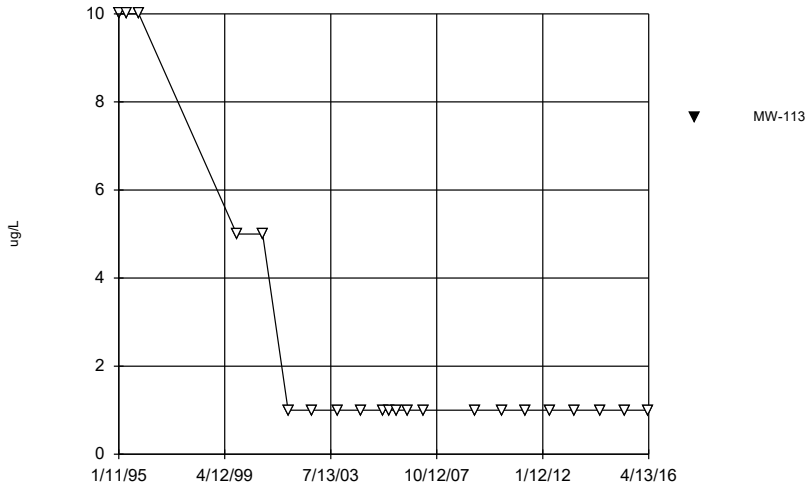
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

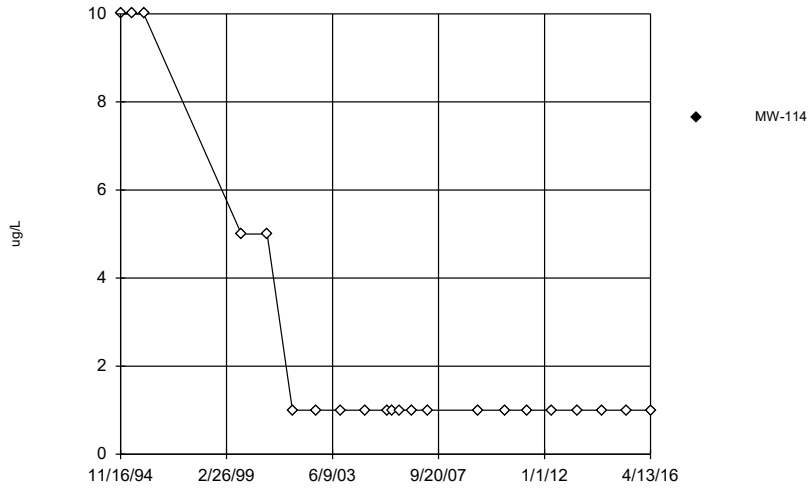
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

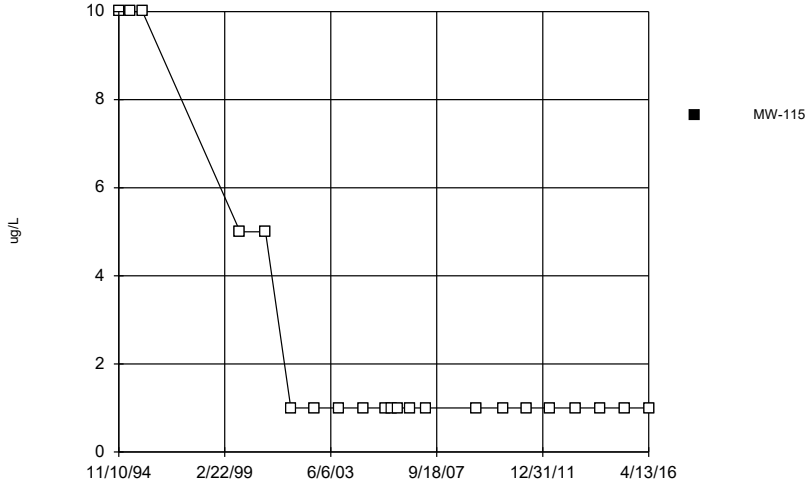
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

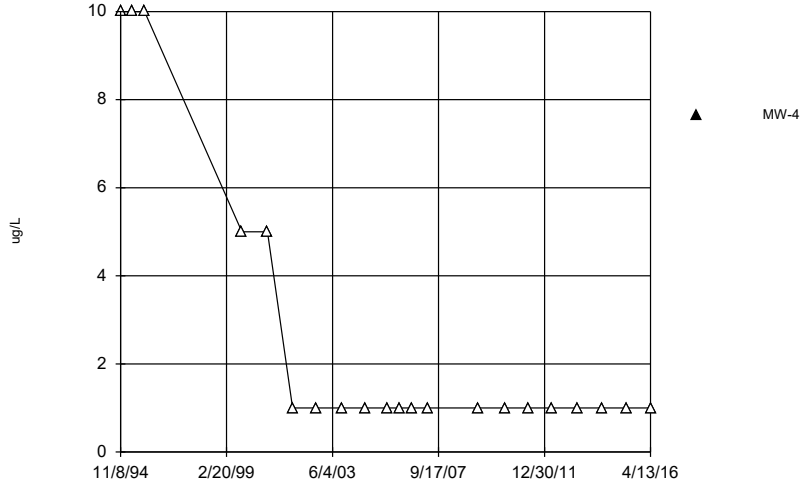
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

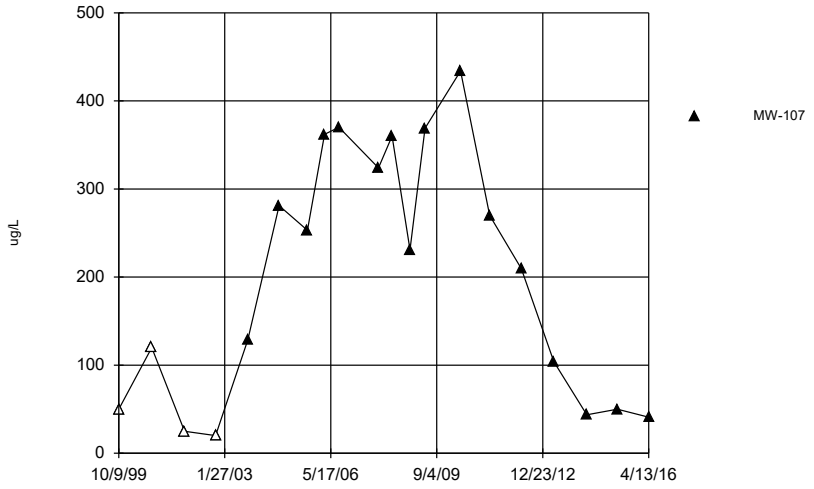
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 3:41 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

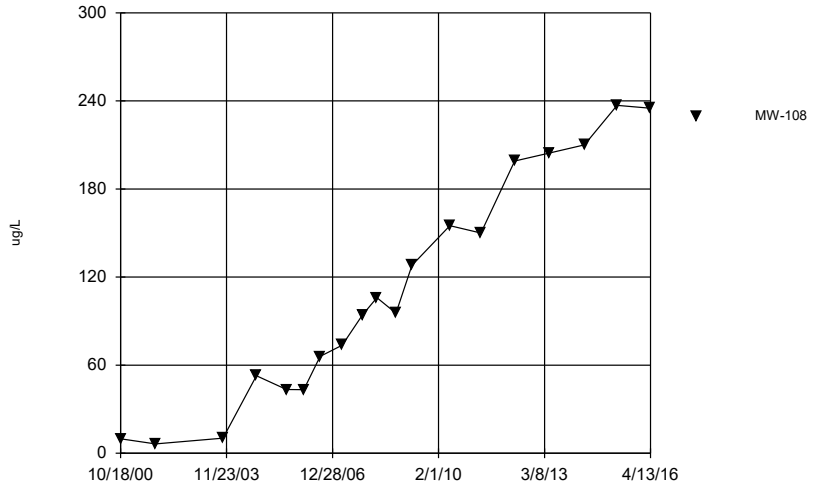
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:42 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

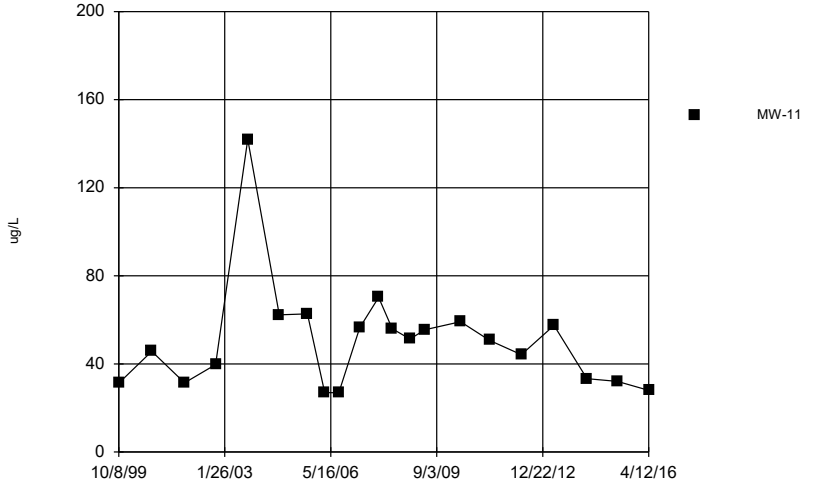
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:42 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

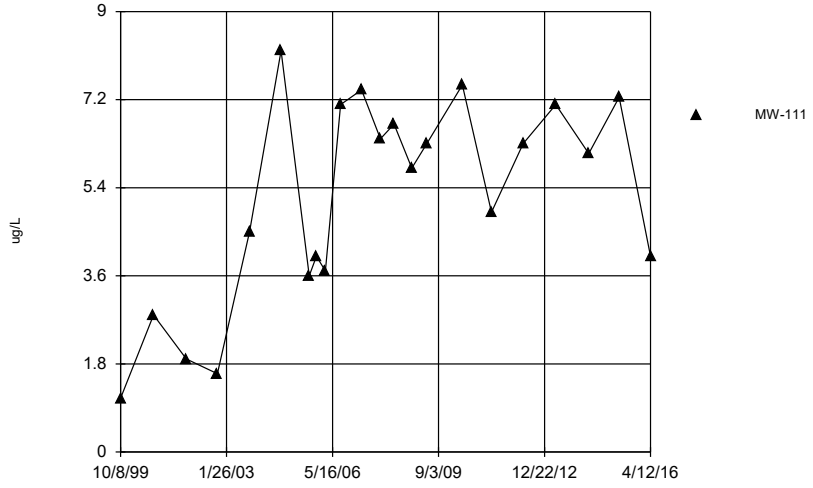
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:42 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

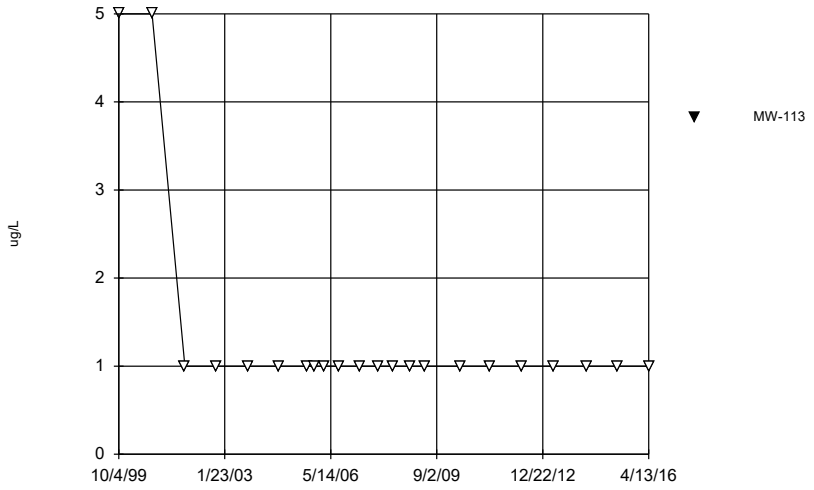
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:42 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

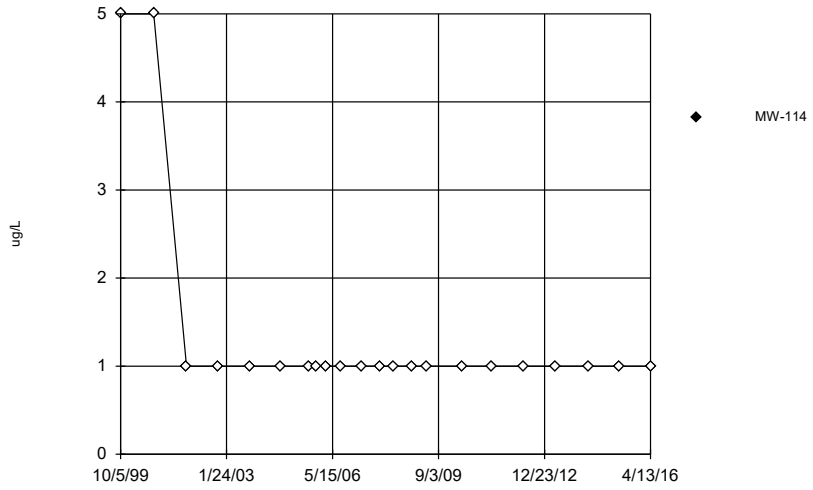
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:43 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

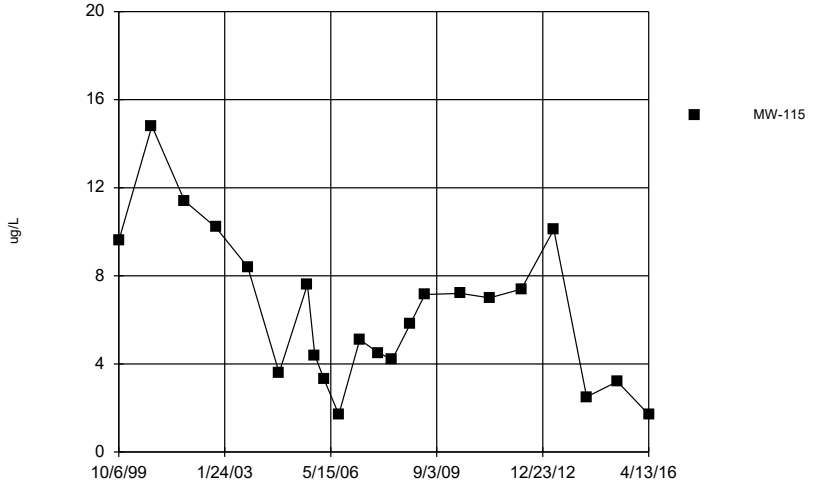
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:43 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:43 PM View: WTU Time Series
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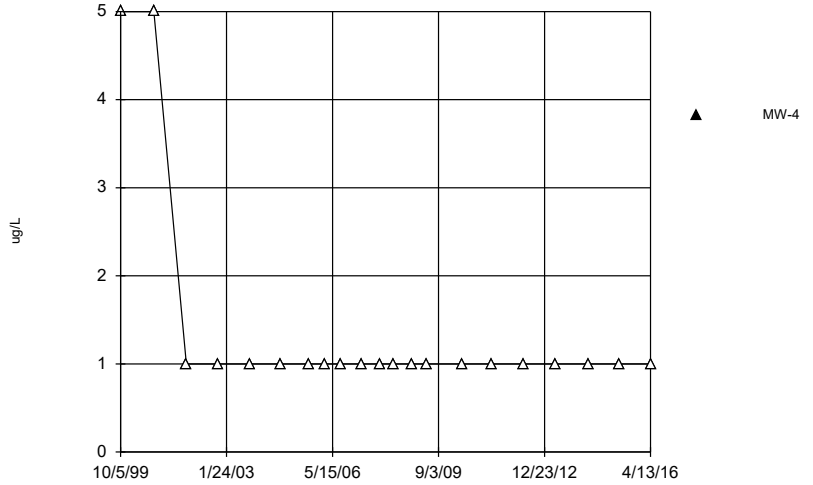
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 3:43 PM View: WTU Time Series
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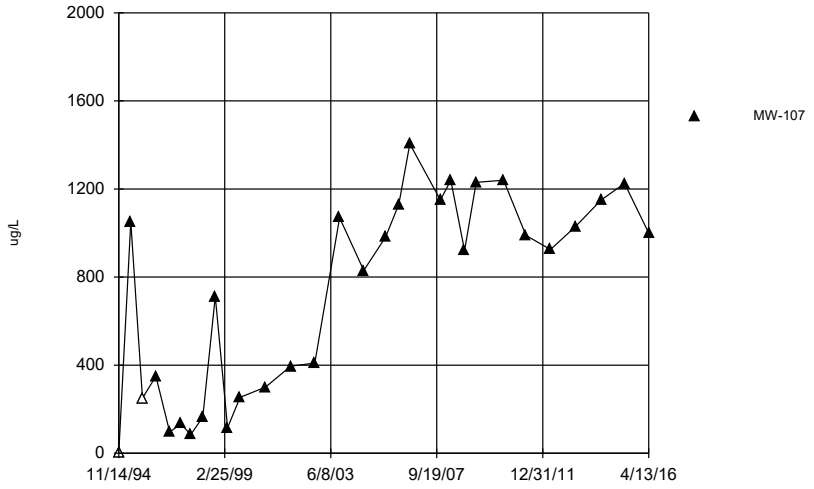
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

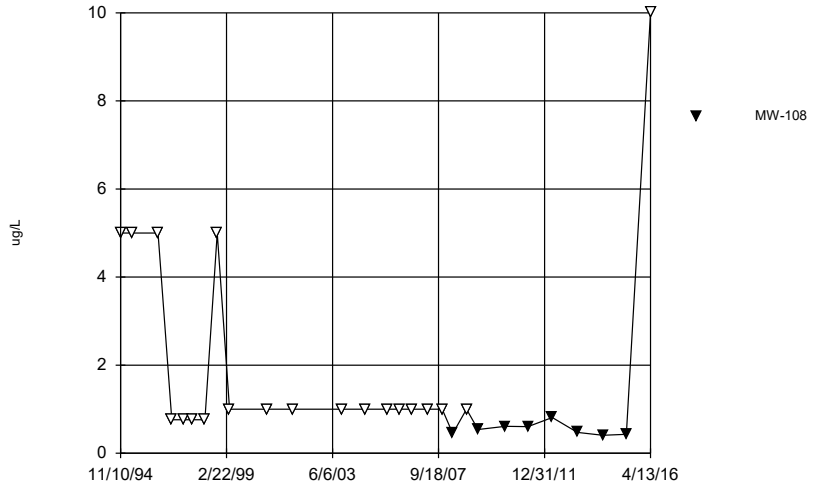
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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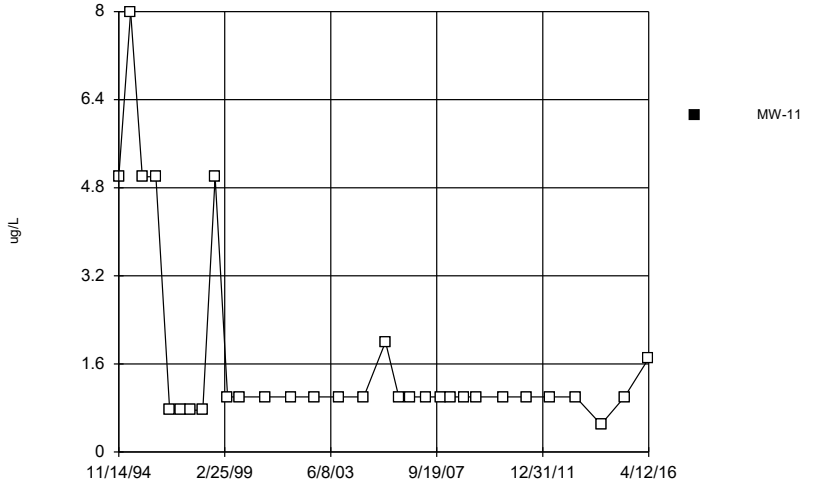
Hollow symbols indicate censored values.

Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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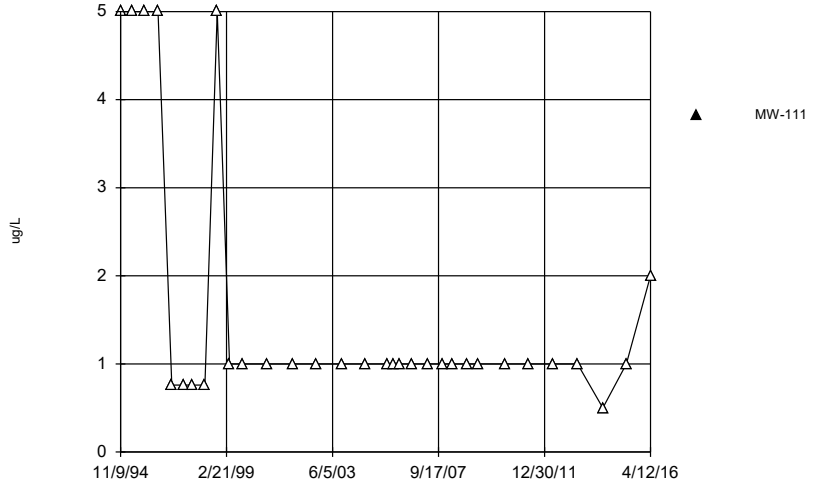
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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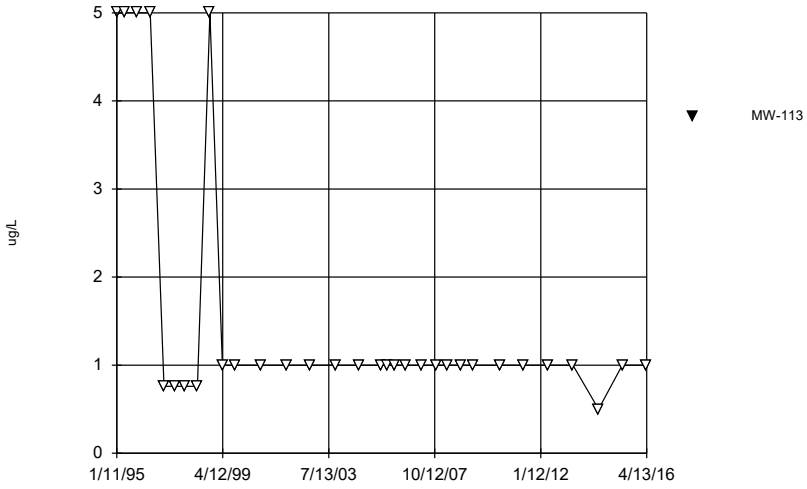
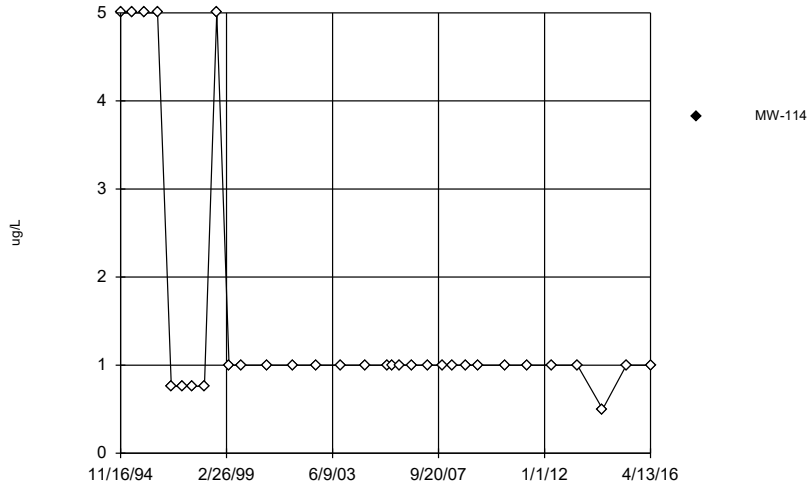
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

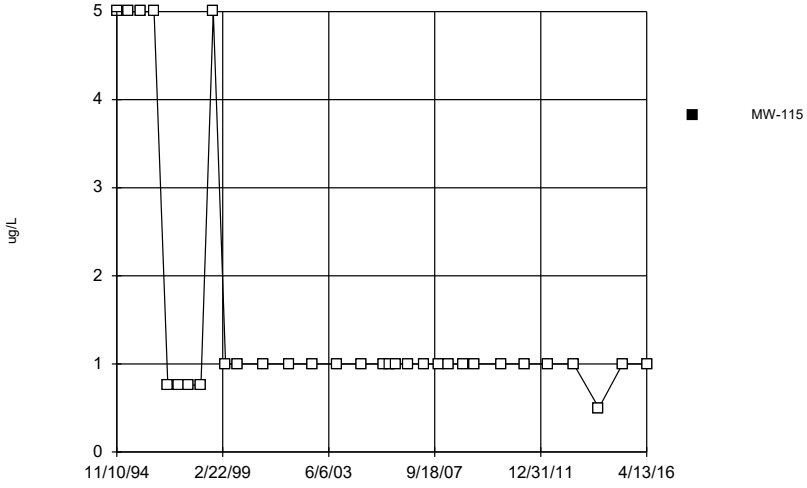
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

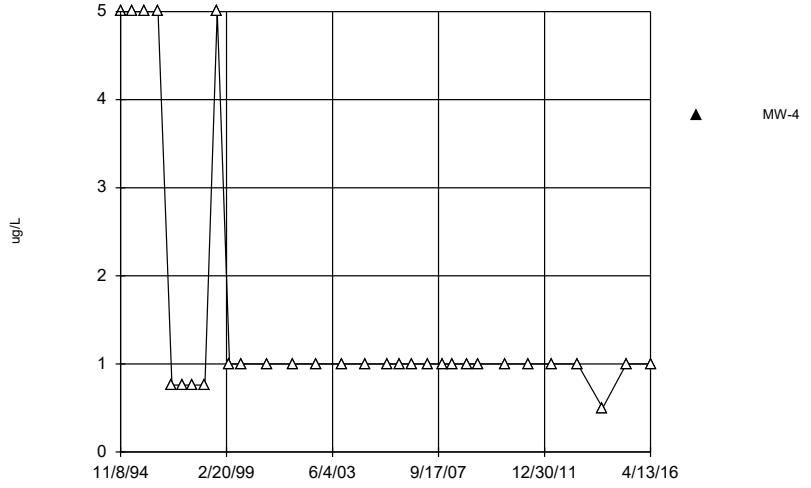
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 3:44 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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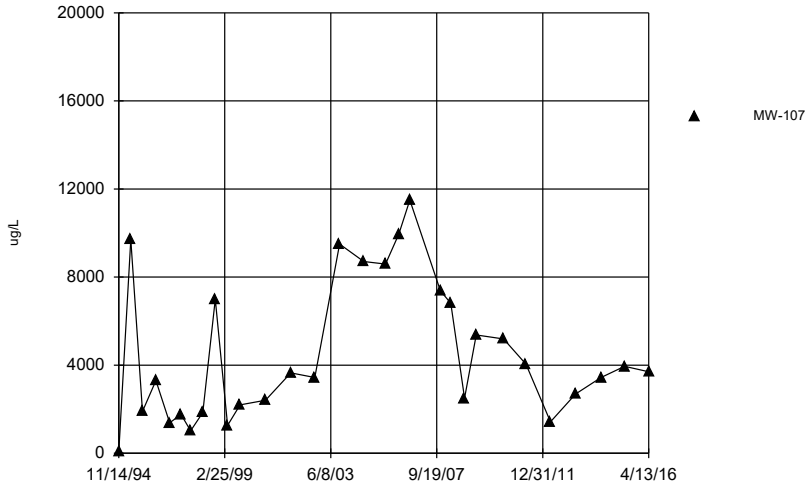
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

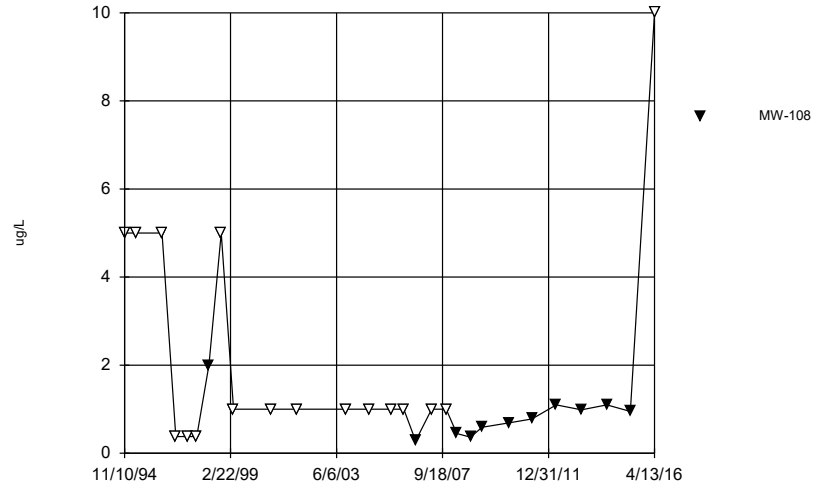
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:45 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

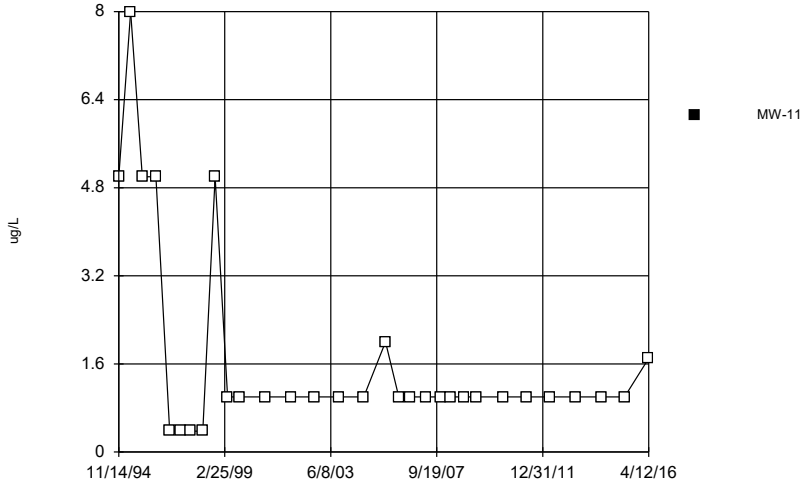
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:45 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

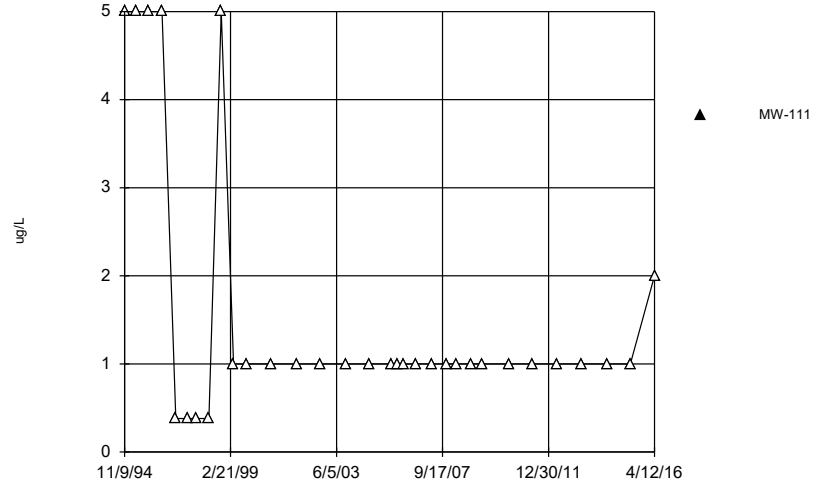
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:45 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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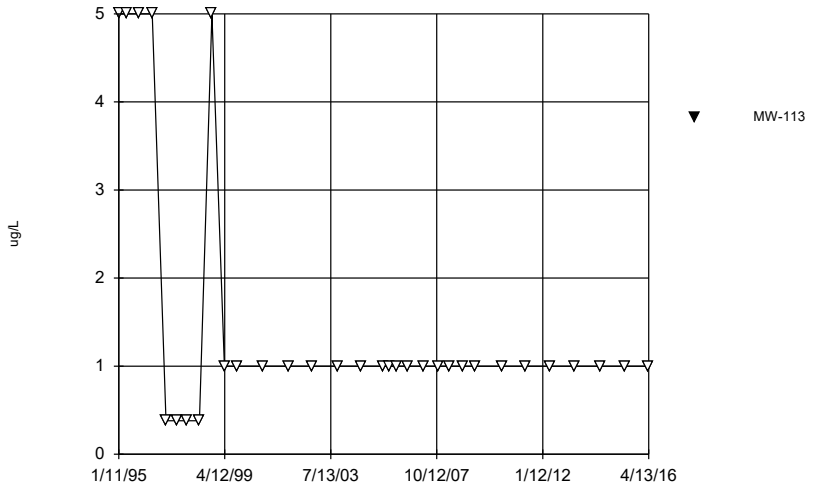
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

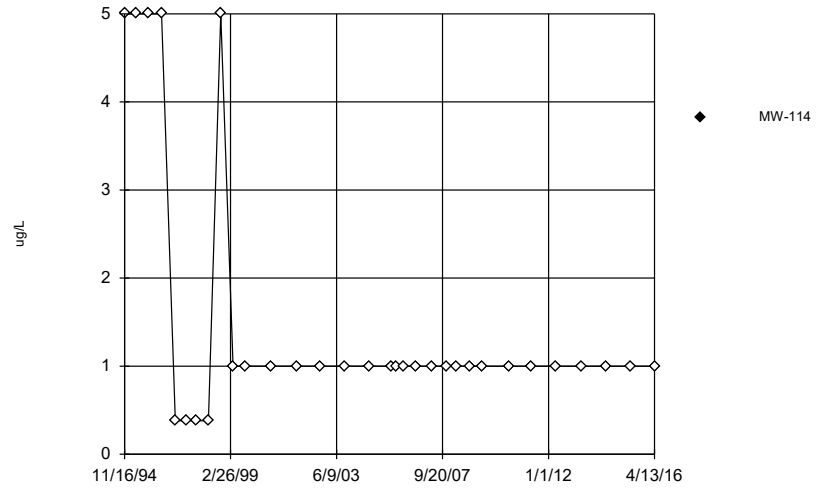
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:46 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

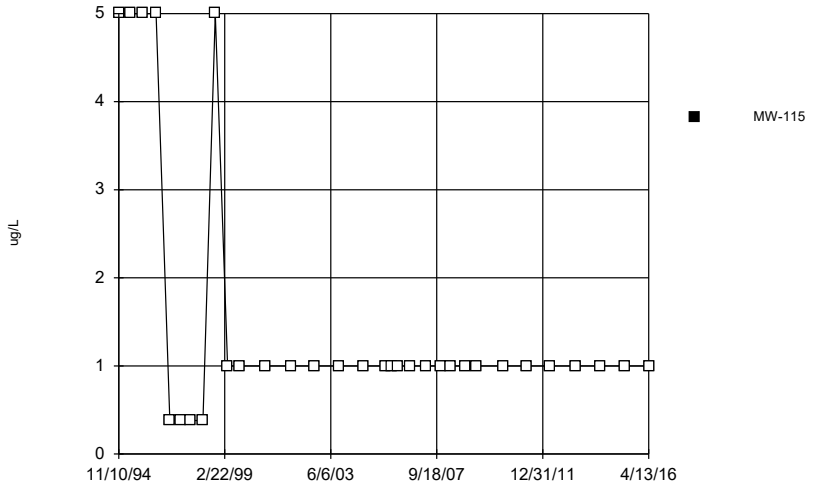
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:46 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

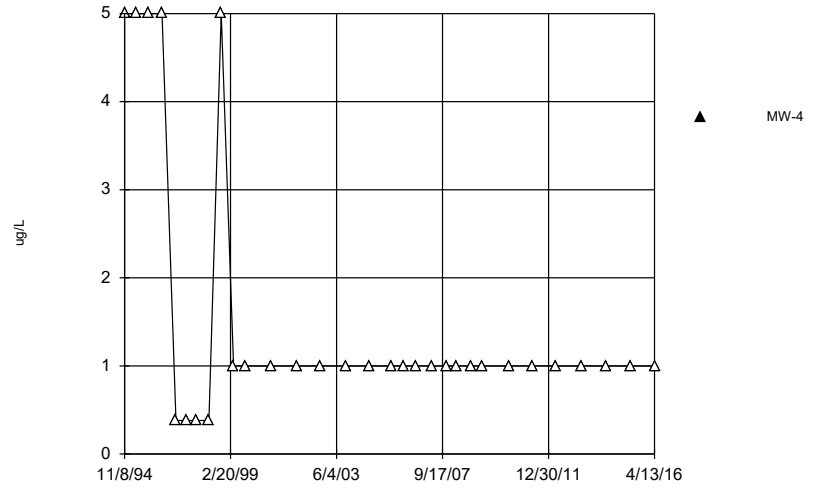
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:46 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

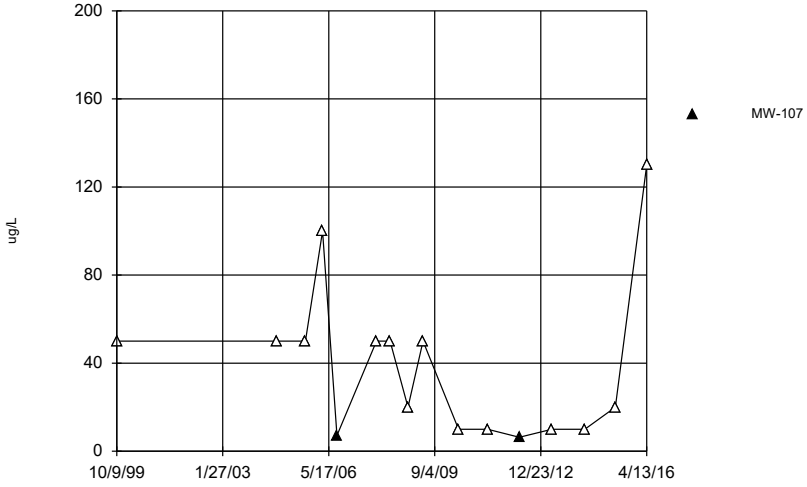
Time Series



Constituent: Toluene Analysis Run 6/3/2016 3:46 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

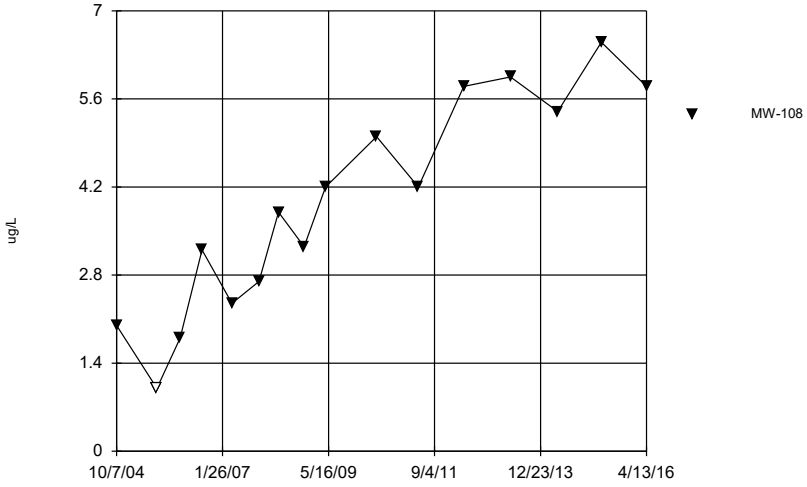
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

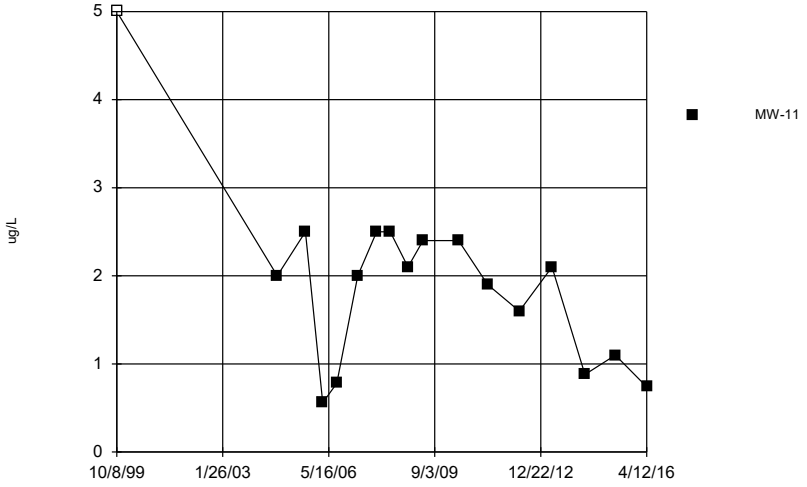
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

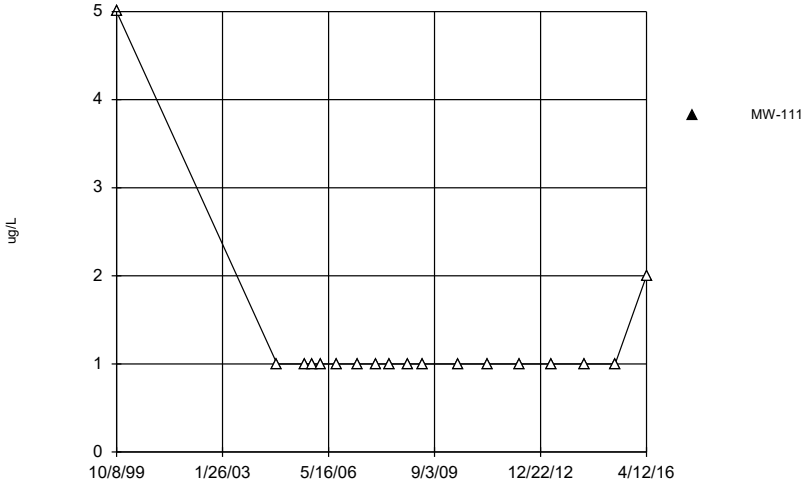
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

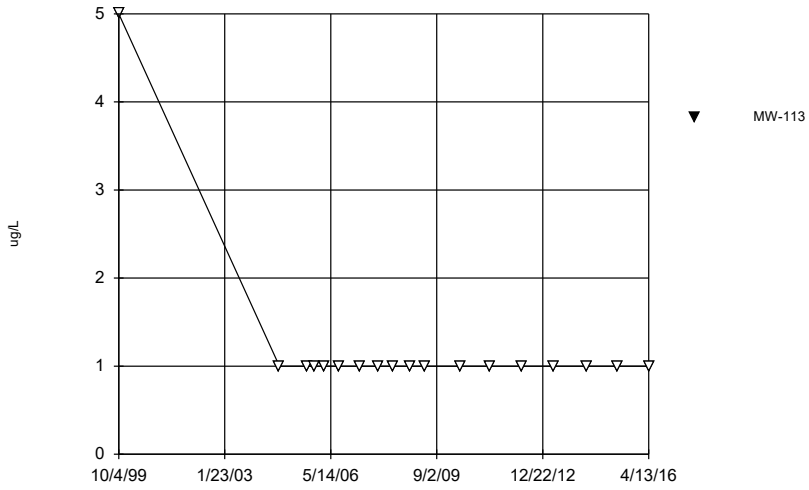
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
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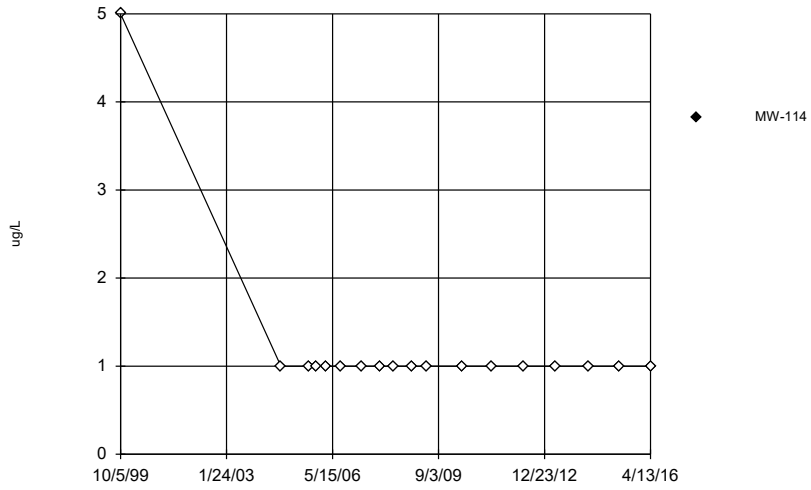
Hollow symbols indicate censored values.

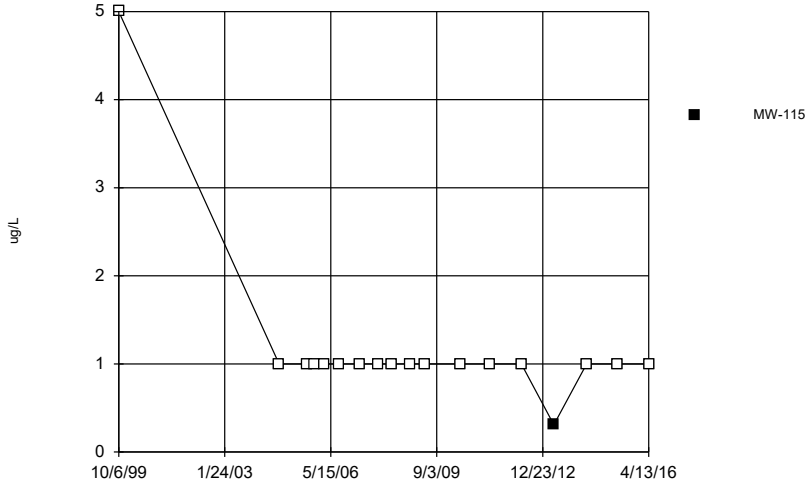
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

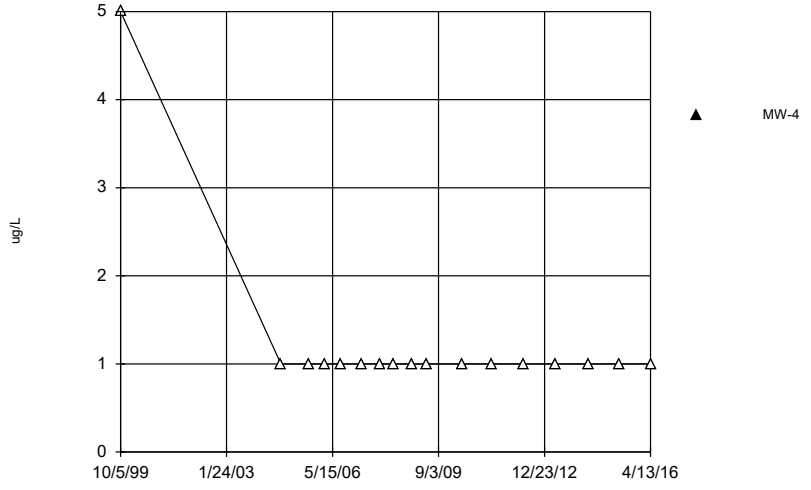
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

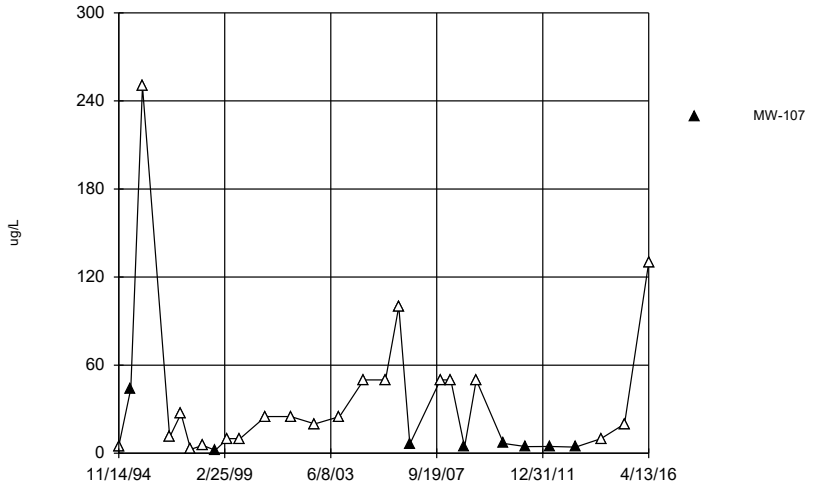
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 3:47 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

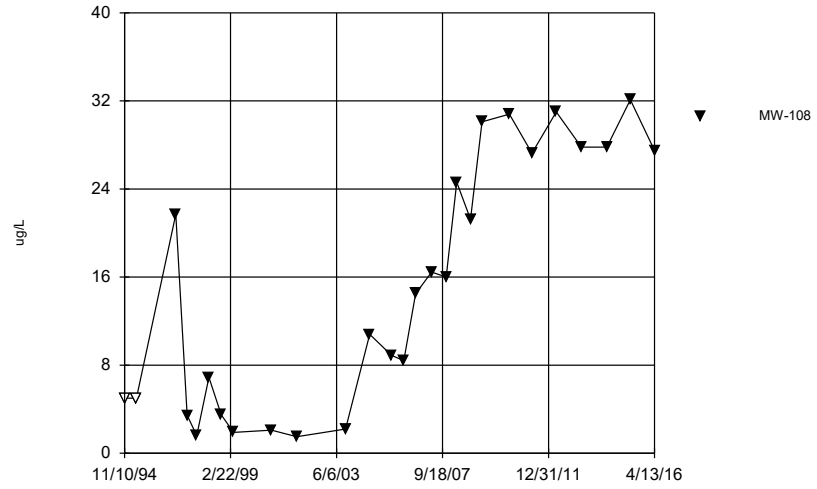
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 3:48 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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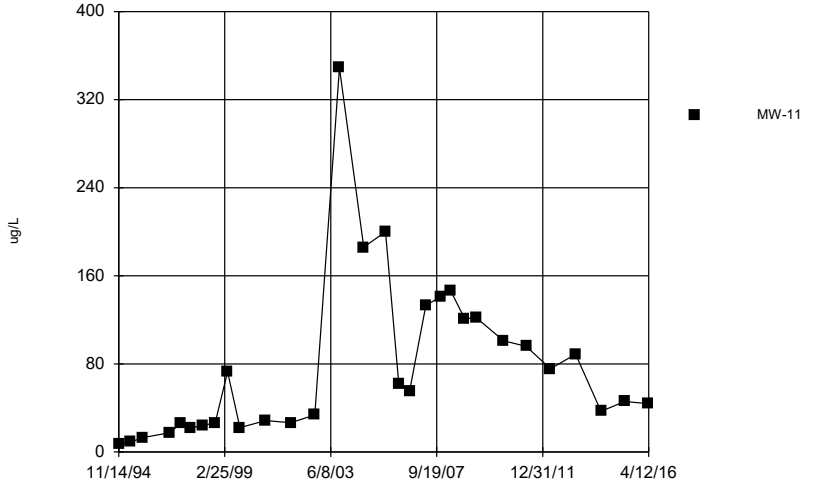
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

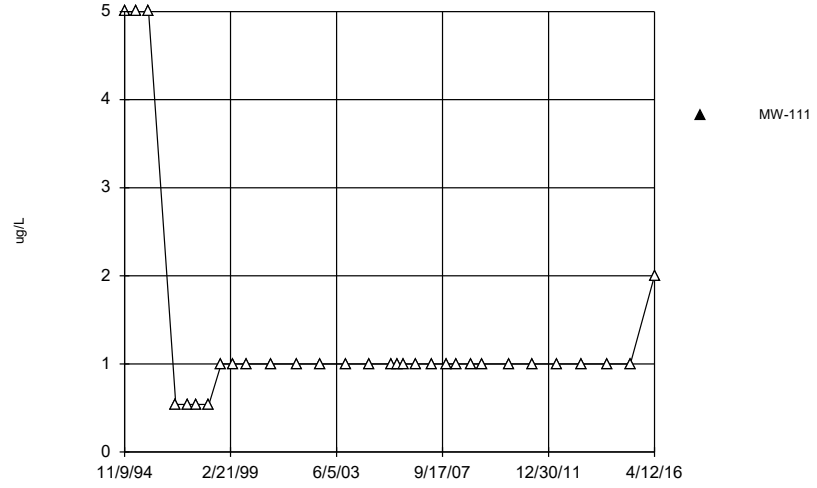
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 3:48 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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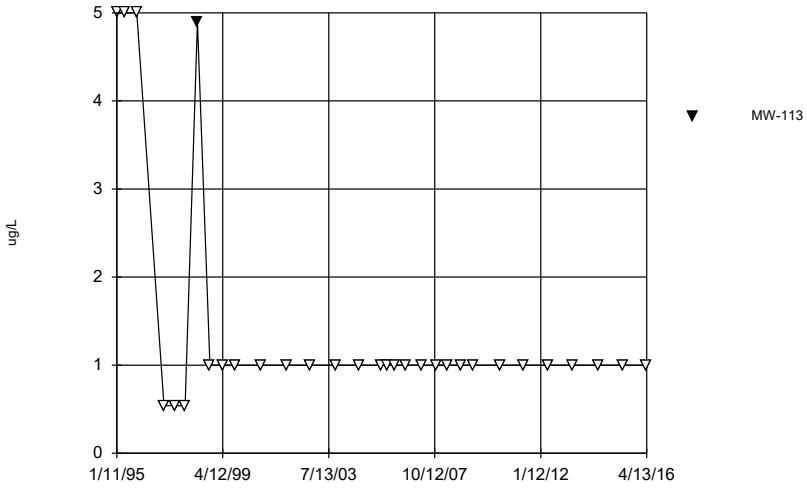
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

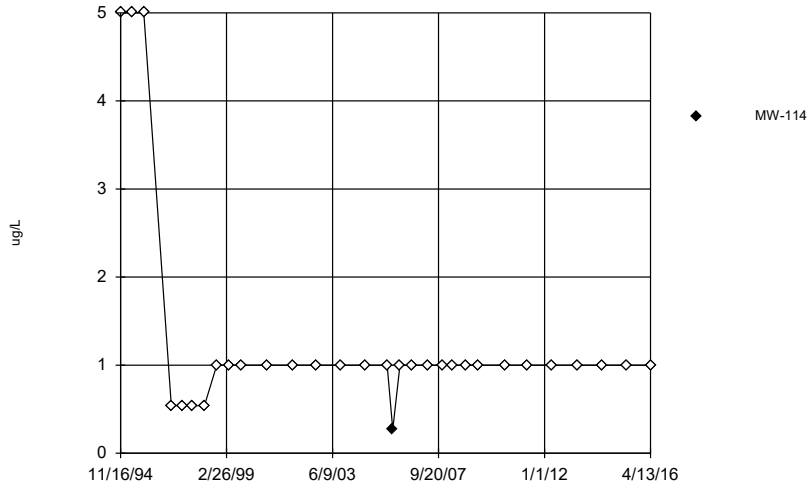
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 3:49 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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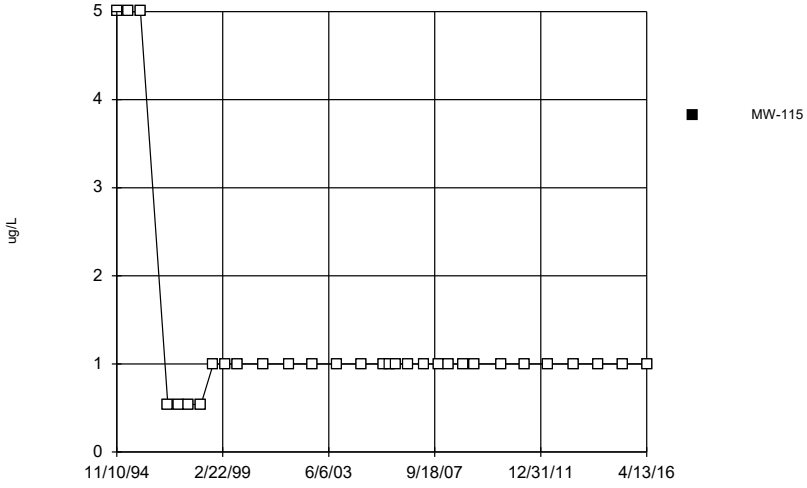
Time Series



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Hollow symbols indicate censored values.

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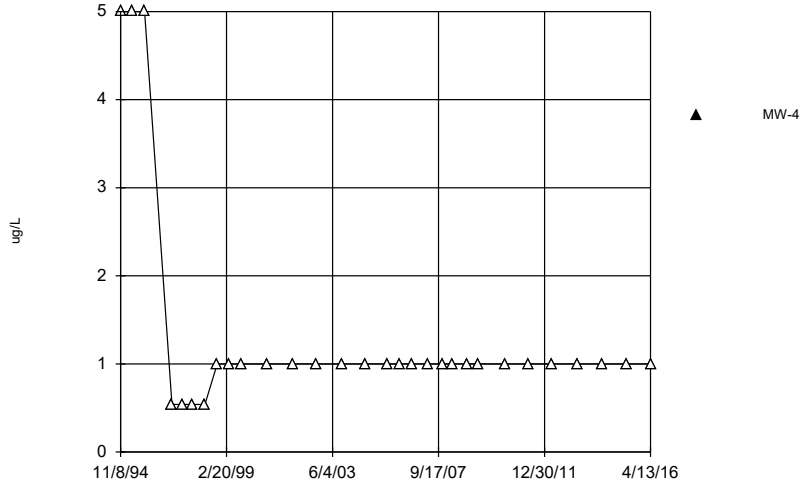
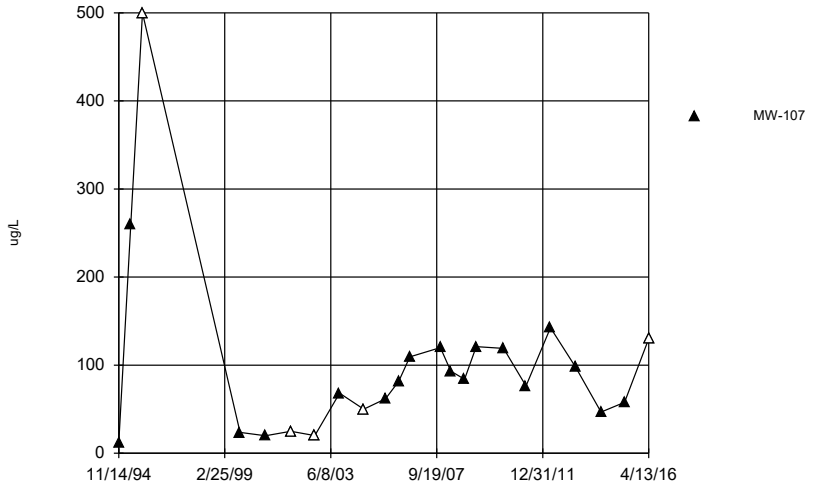


Constituent: Trichloroethene Analysis Run 6/3/2016 3:49 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

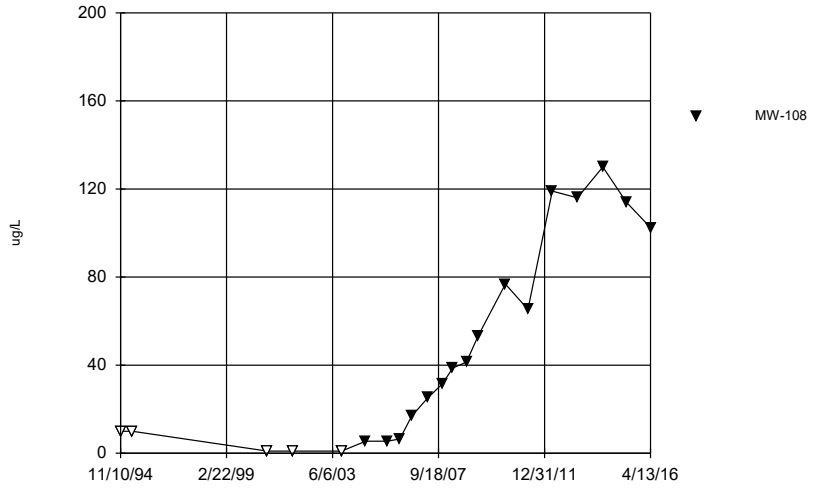
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:50 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

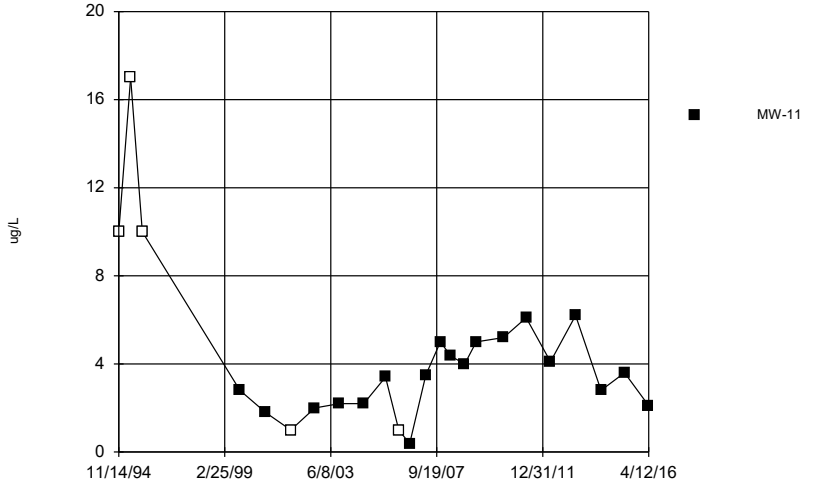
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:50 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

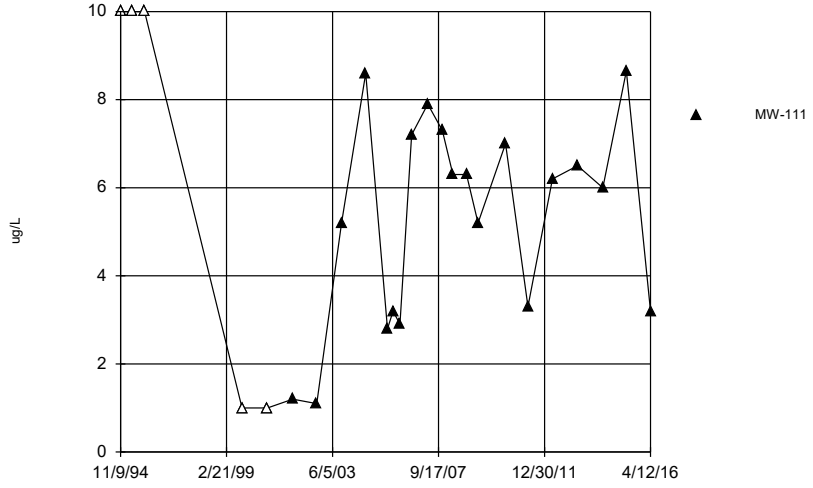
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:50 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

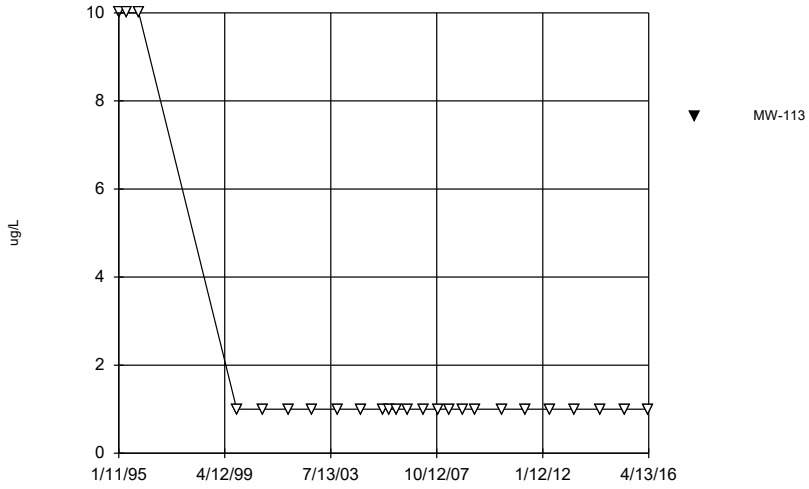
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:50 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

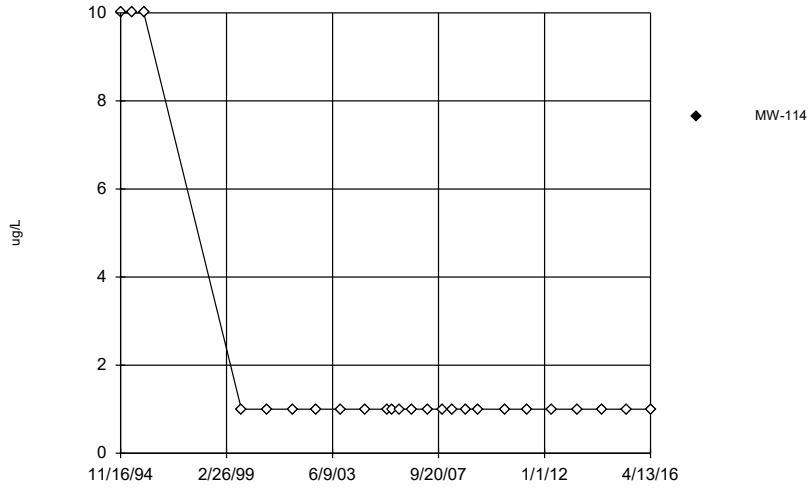
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

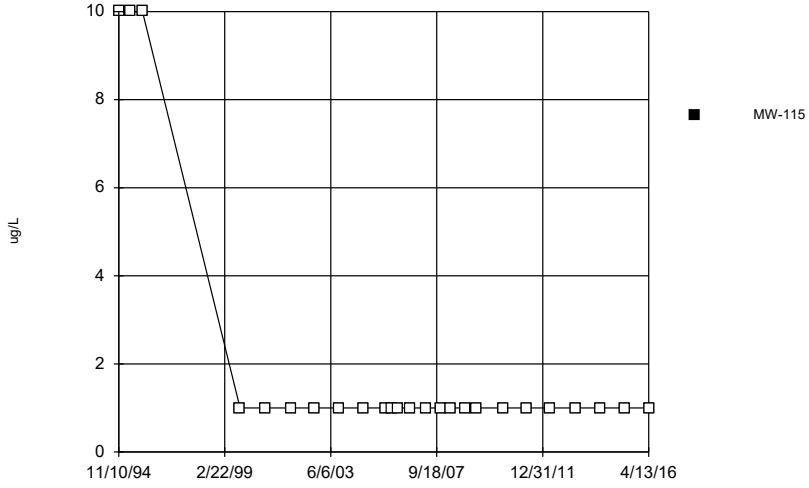
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

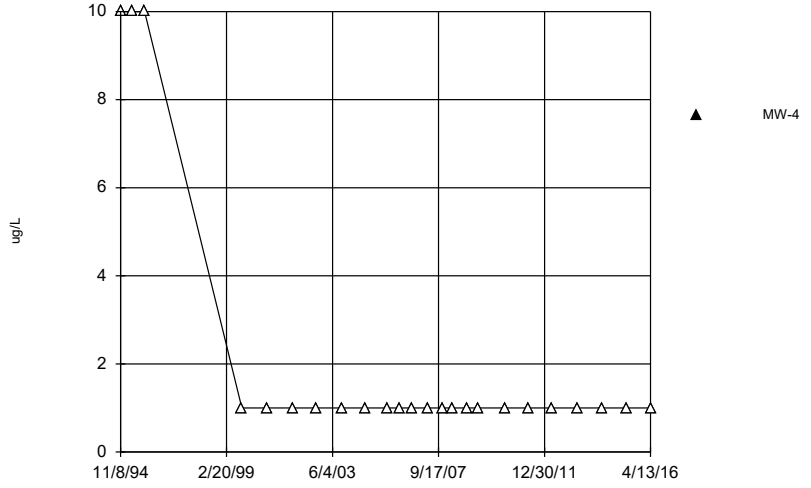
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

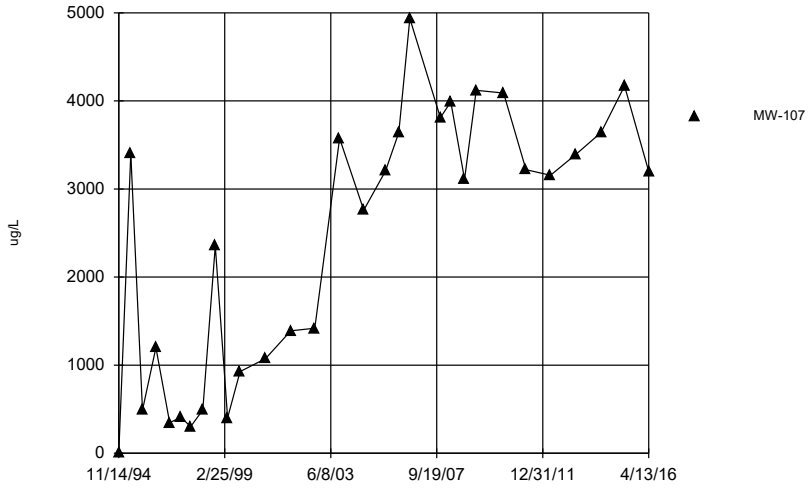
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG

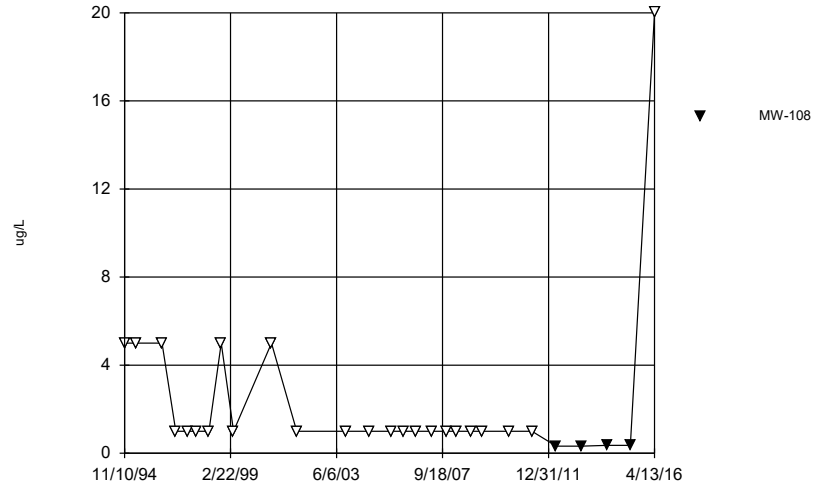
Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
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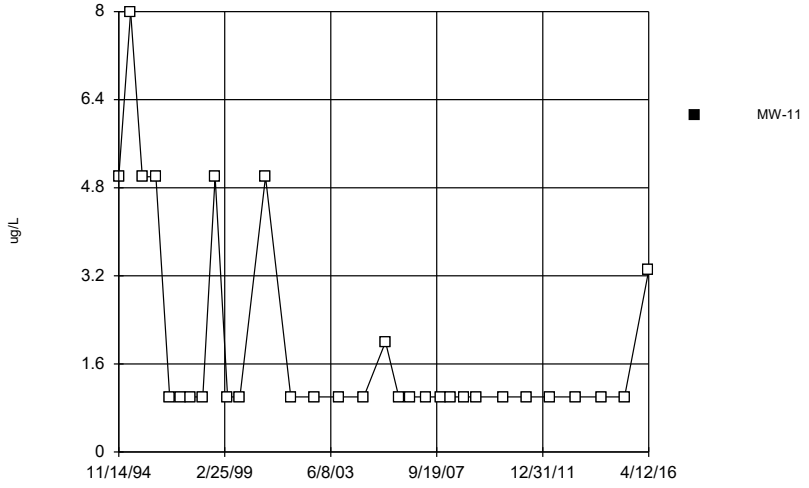
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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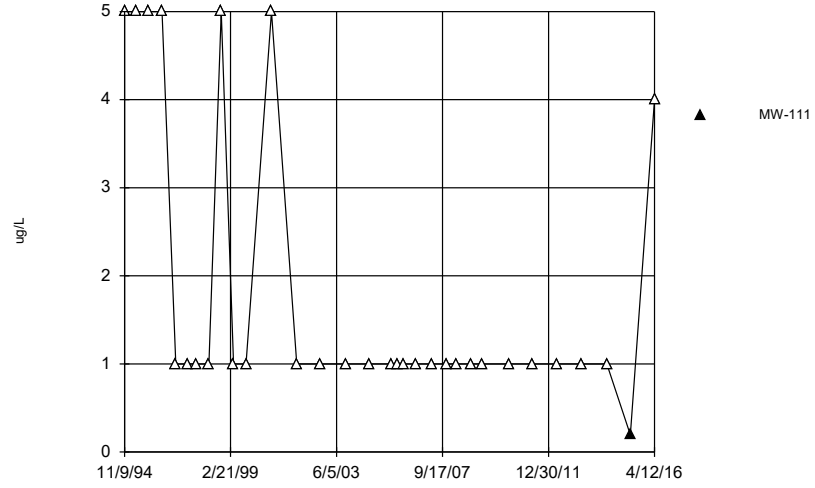
Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:51 PM View: WTU Time Series
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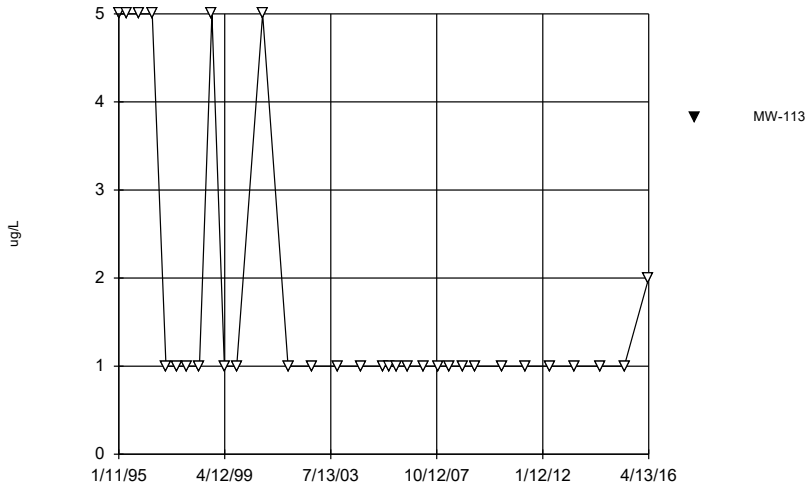
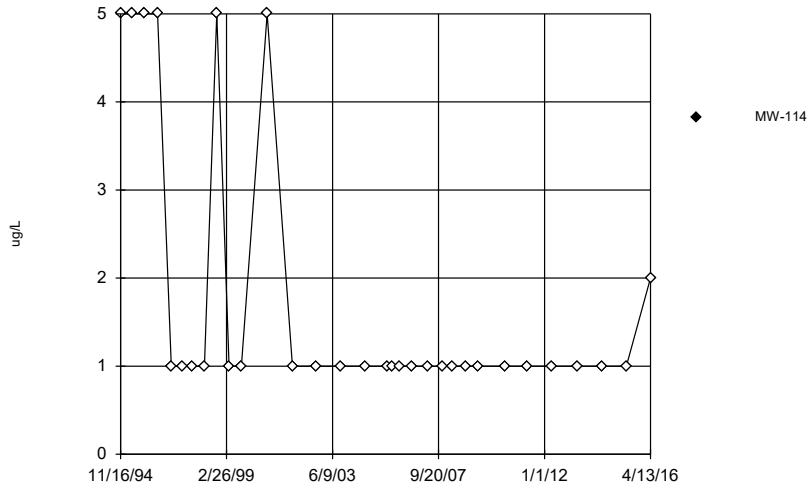
Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:52 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 3:52 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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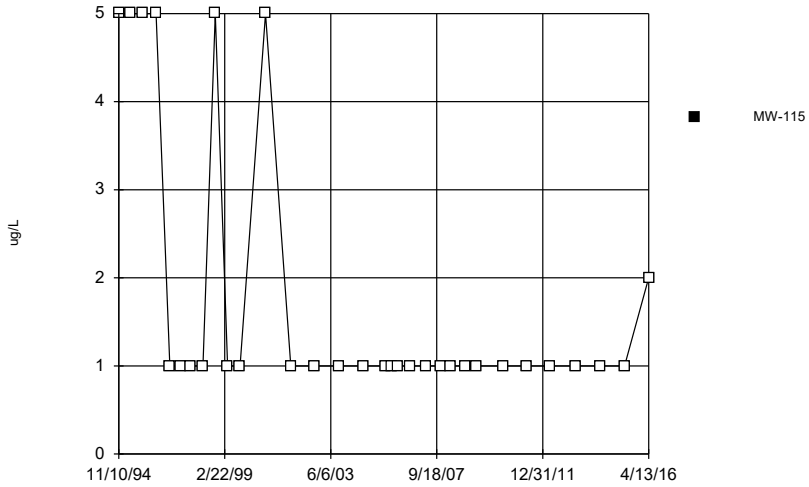

Constituent: Xylenes [total] Analysis Run 6/3/2016 3:52 PM View: WTU Time Series
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Hollow symbols indicate censored values.

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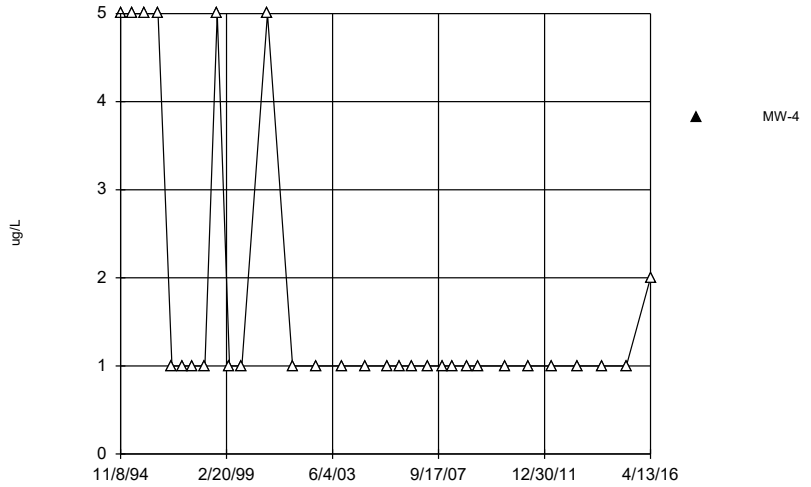

Constituent: Xylenes [total] Analysis Run 6/3/2016 3:52 PM View: WTU Time Series
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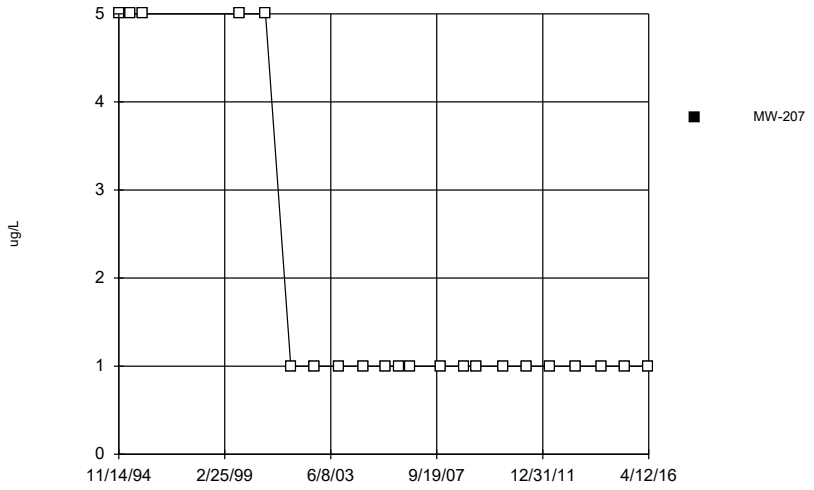
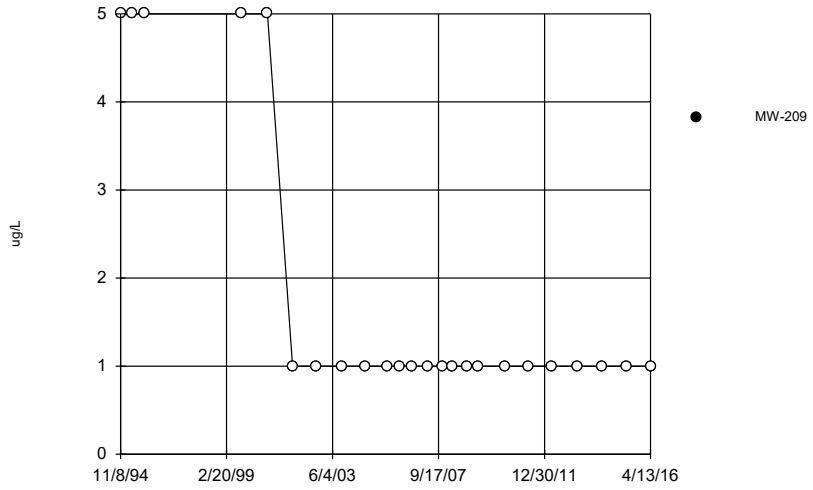
Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 4:09 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

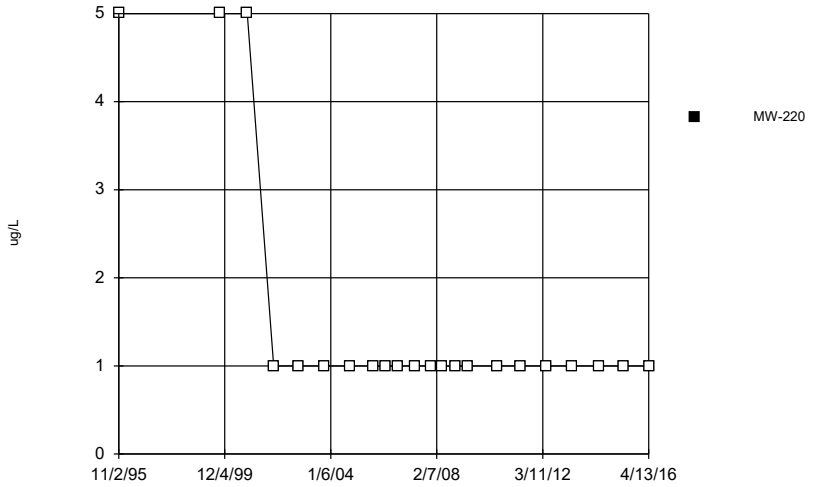
Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 4:09 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

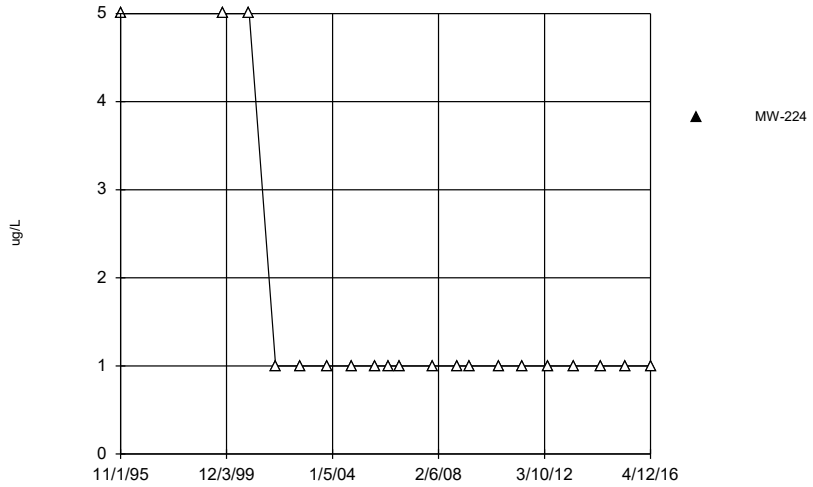
Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 4:09 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,1,1-Trichloroethane Analysis Run 6/3/2016 4:09 PM View: UIU Time Series
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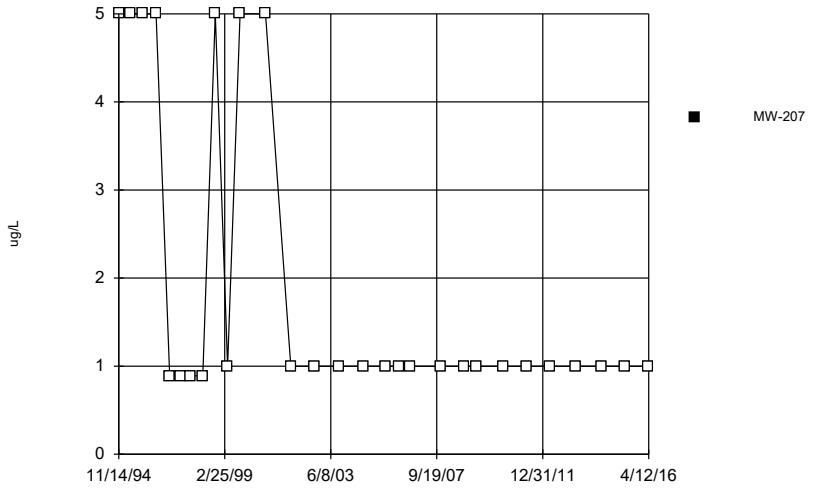
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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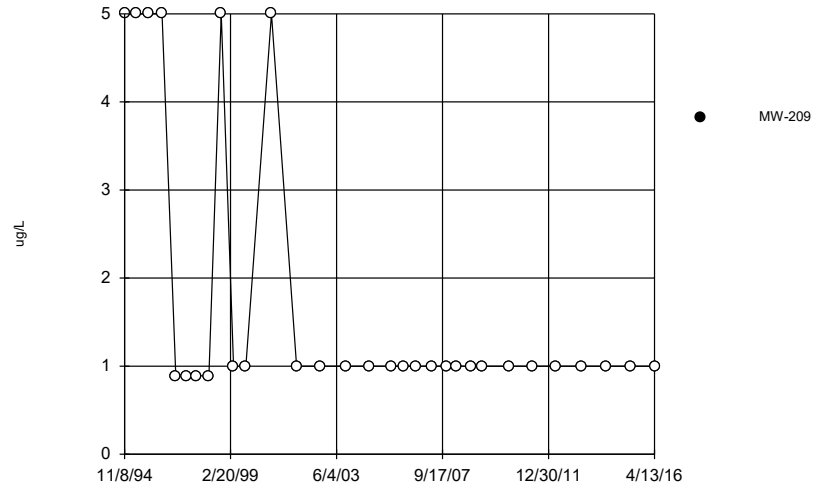
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
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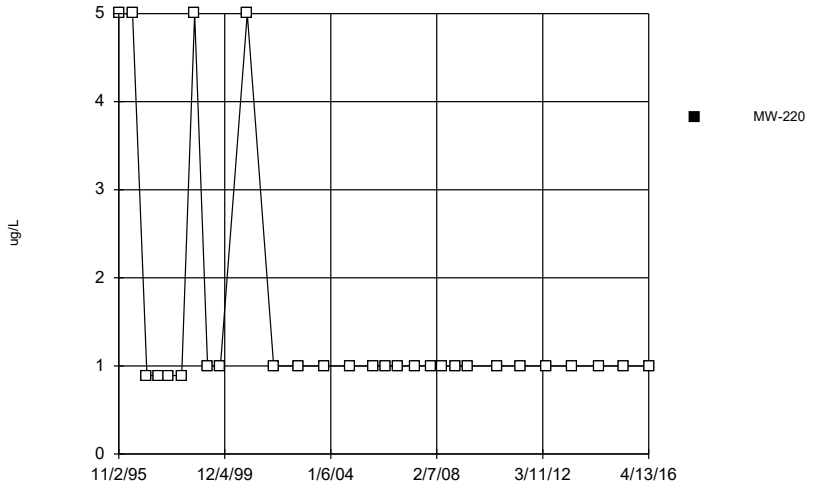
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
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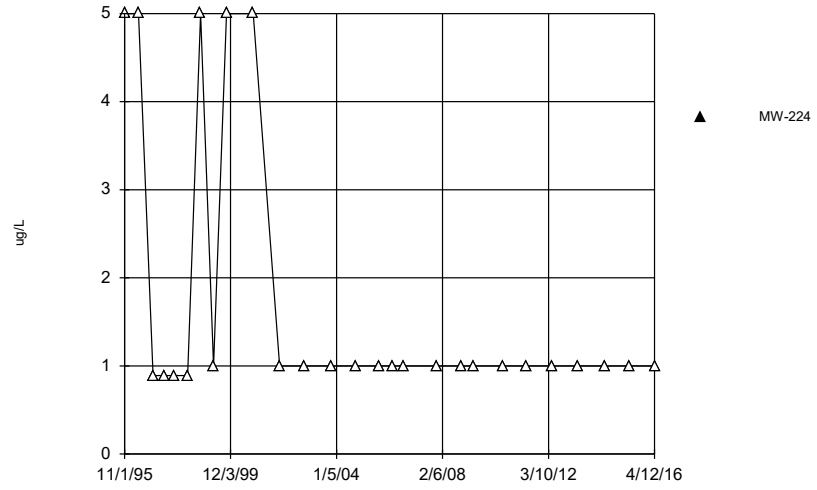
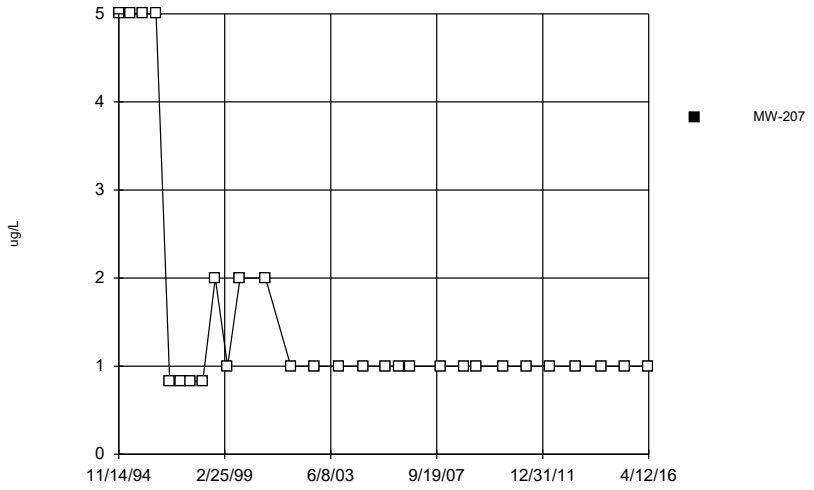


Constituent: 1,1-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
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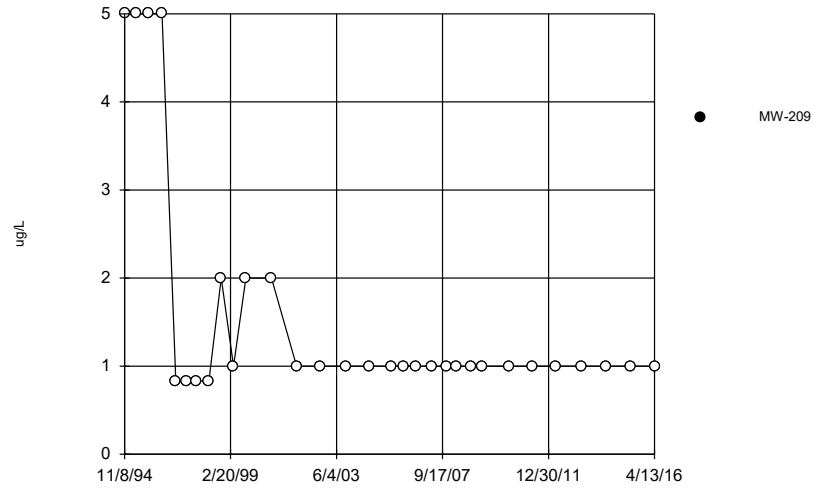
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
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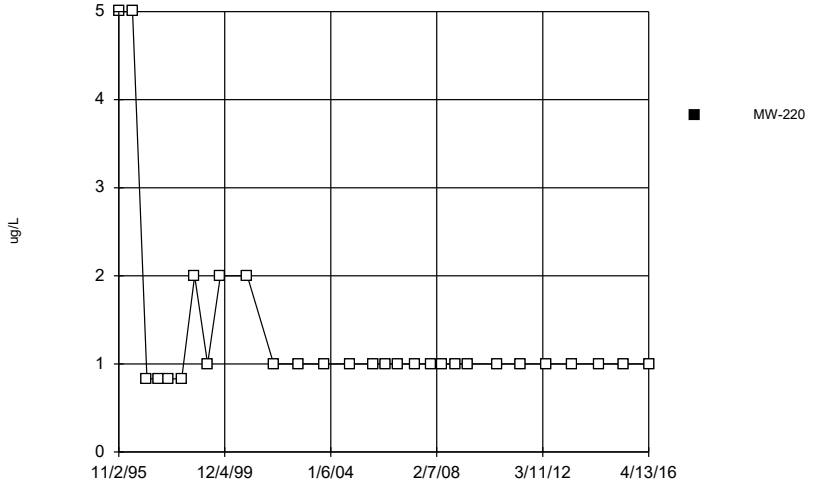

Constituent: 1,2-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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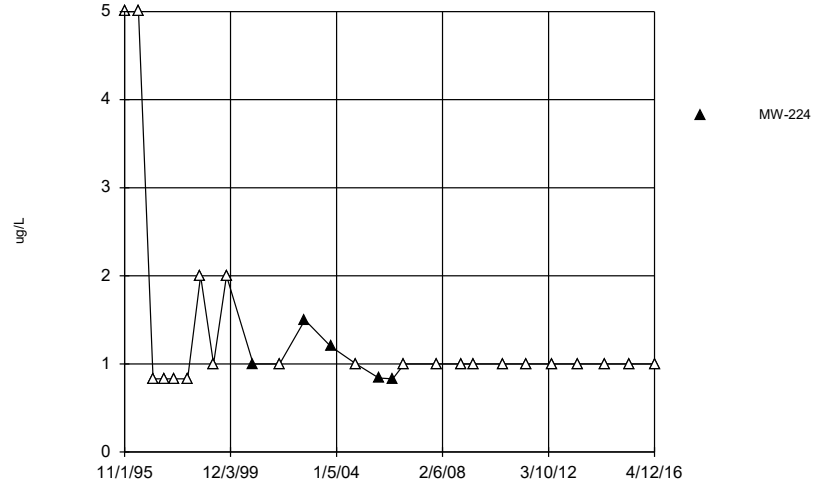
Hollow symbols indicate censored values.

Time Series



Constituent: 1,2-Dichloroethane Analysis Run 6/3/2016 4:10 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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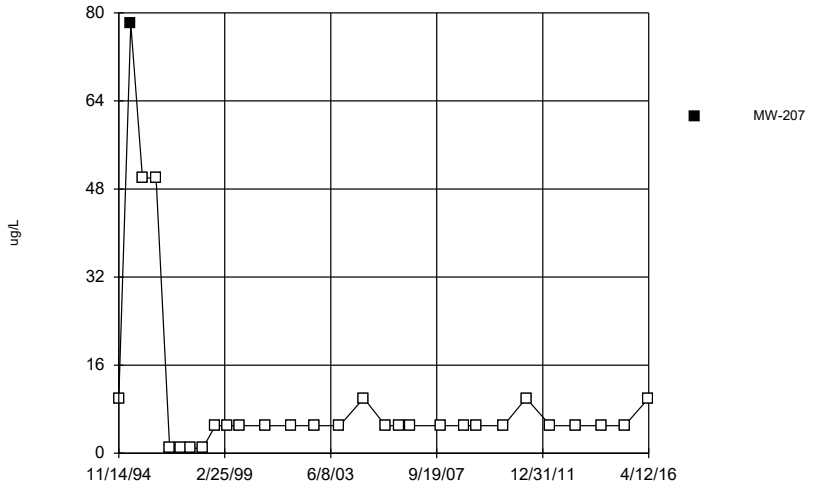
Hollow symbols indicate censored values.

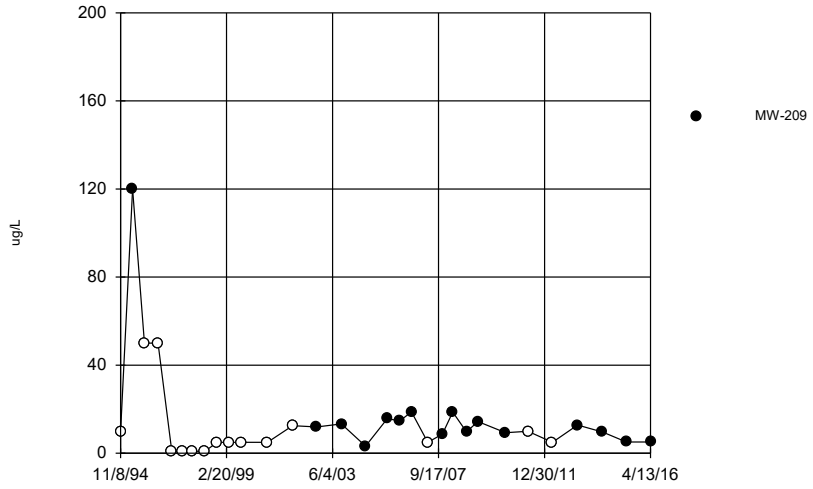
Time Series



Constituent: Acetone Analysis Run 6/3/2016 4:11 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

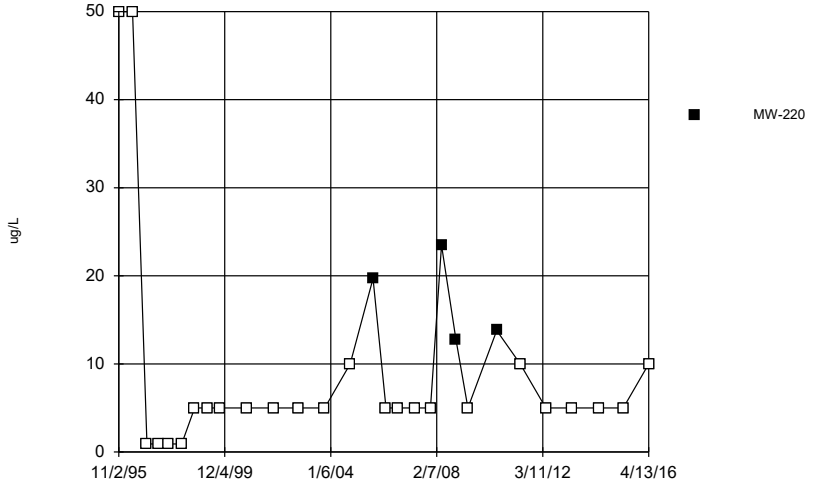
Time Series



Constituent: Acetone Analysis Run 6/3/2016 4:11 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

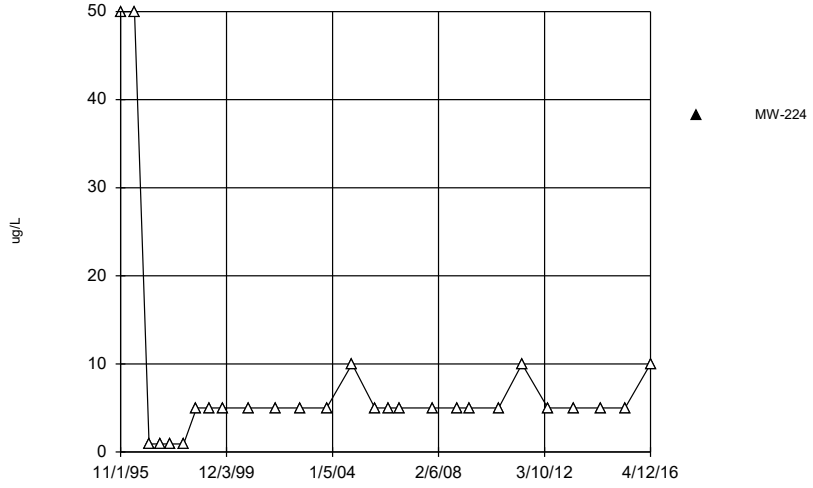
Time Series



Constituent: Acetone Analysis Run 6/3/2016 4:11 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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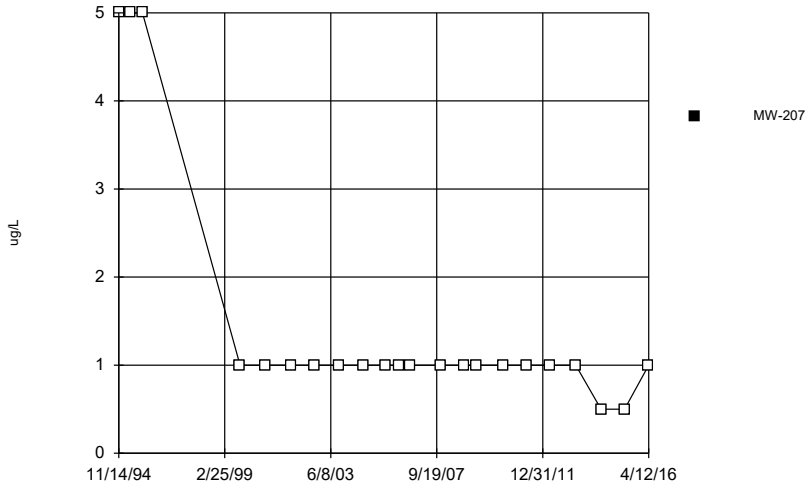
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

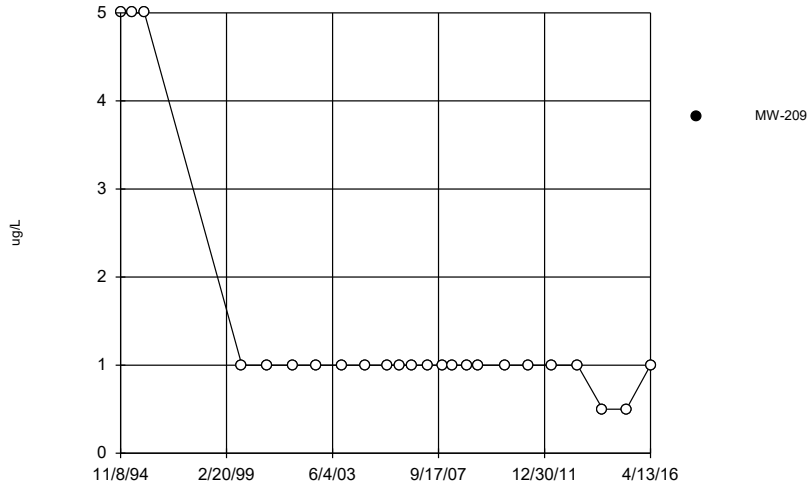
Time Series



Constituent: Benzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

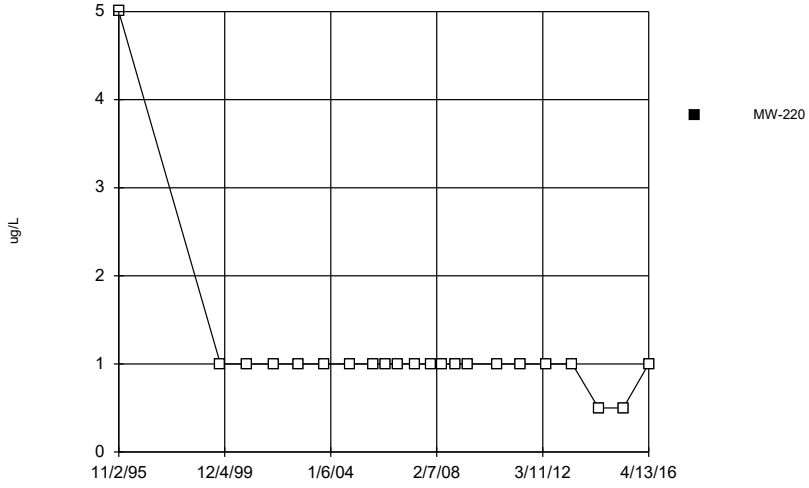
Time Series



Constituent: Benzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

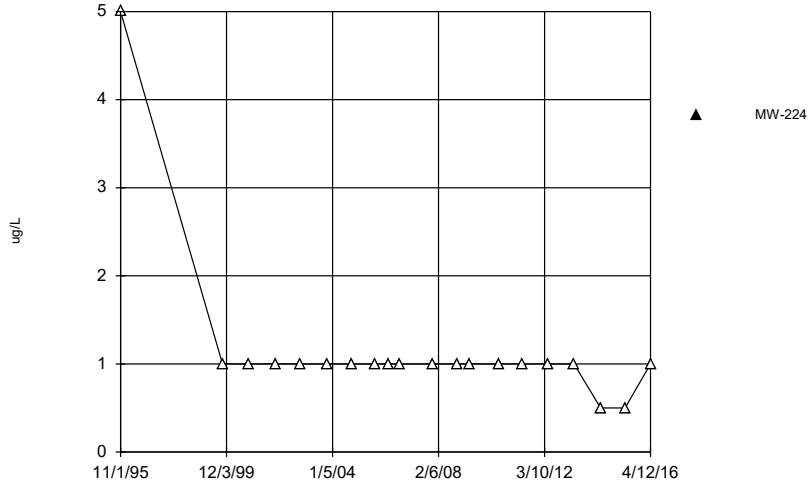
Time Series



Constituent: Benzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

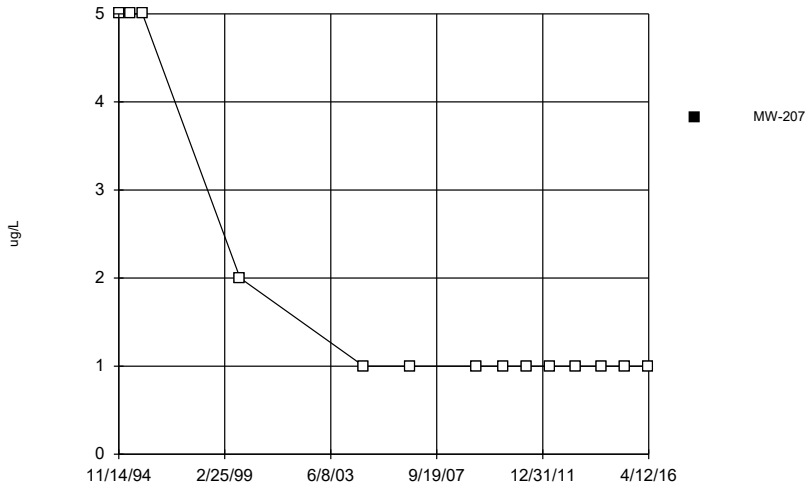
Time Series



Constituent: Benzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

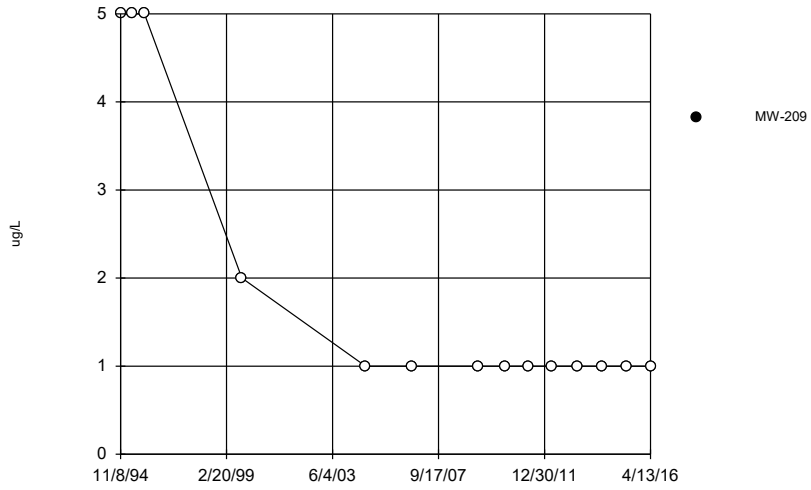
Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

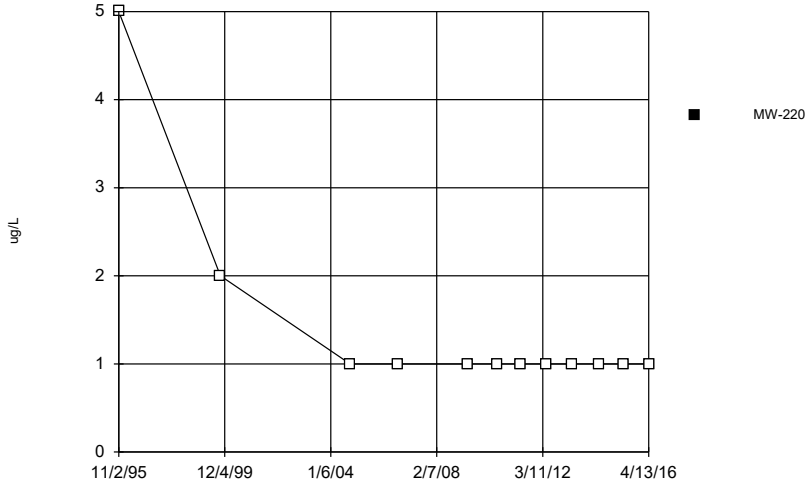
Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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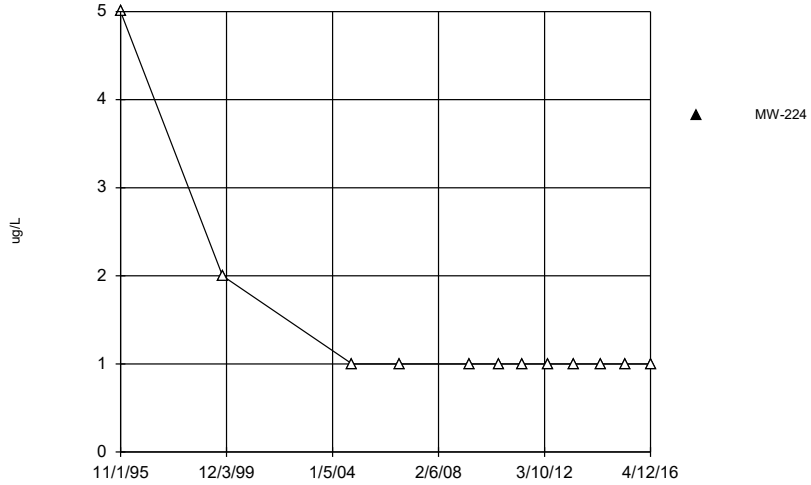
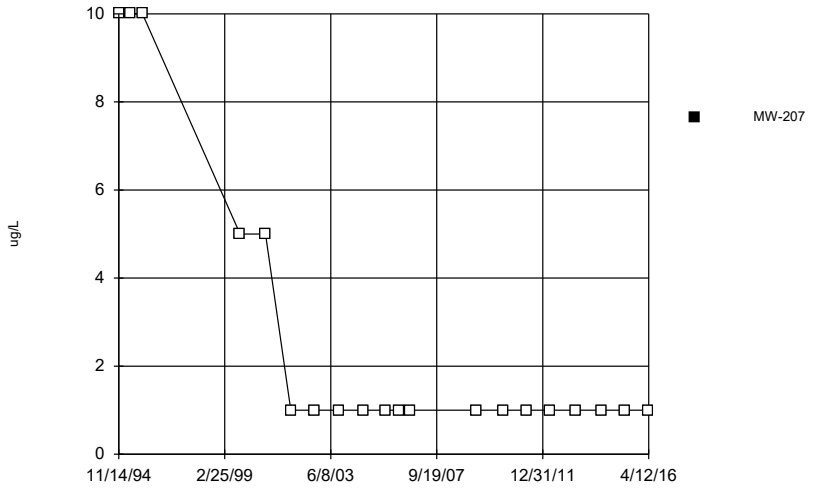
Time Series



Constituent: Chlorobenzene Analysis Run 6/3/2016 4:12 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

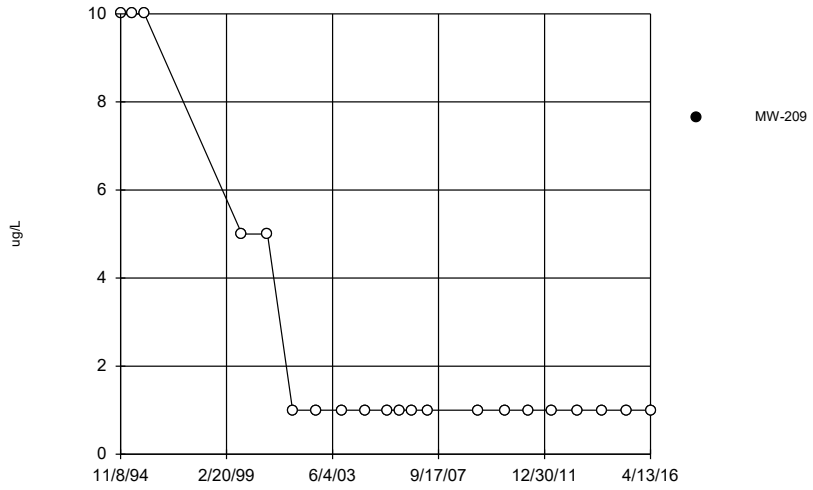
Time Series



Constituent: Chloroethane Analysis Run 6/3/2016 4:13 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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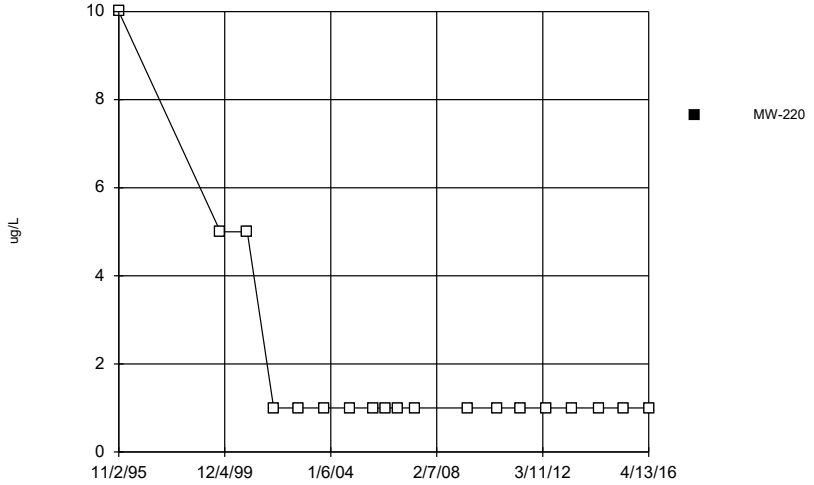

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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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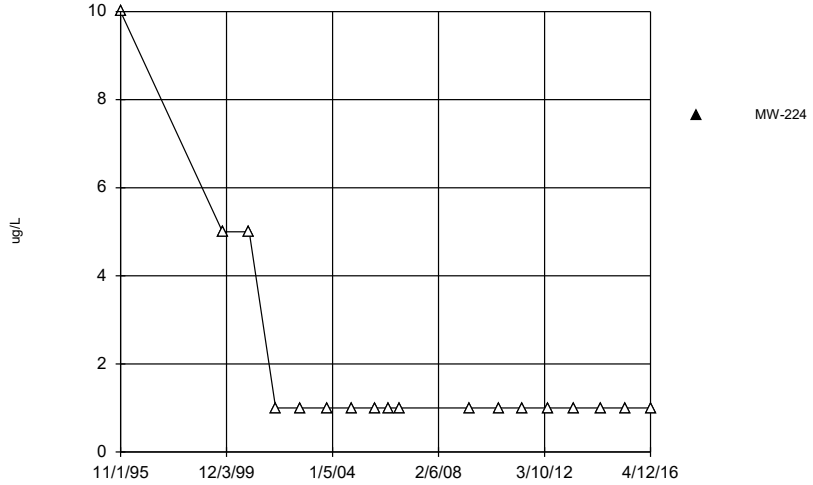

Constituent: Chloroethane Analysis Run 6/3/2016 4:13 PM View: UIU Time Series
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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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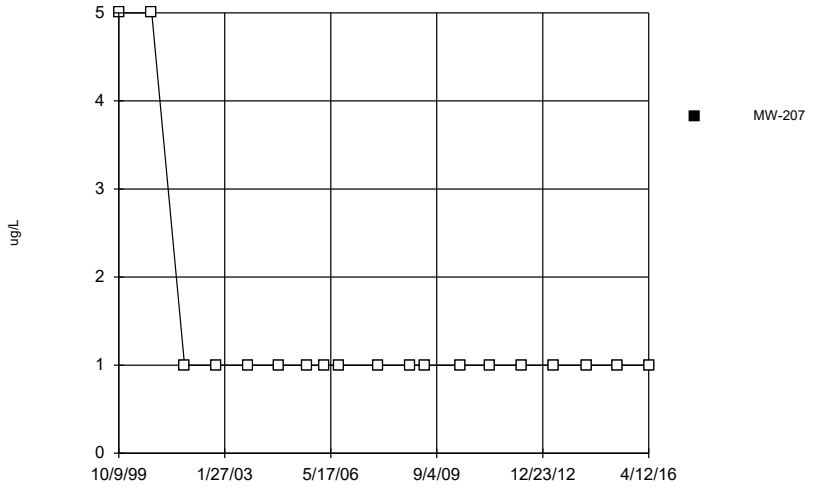
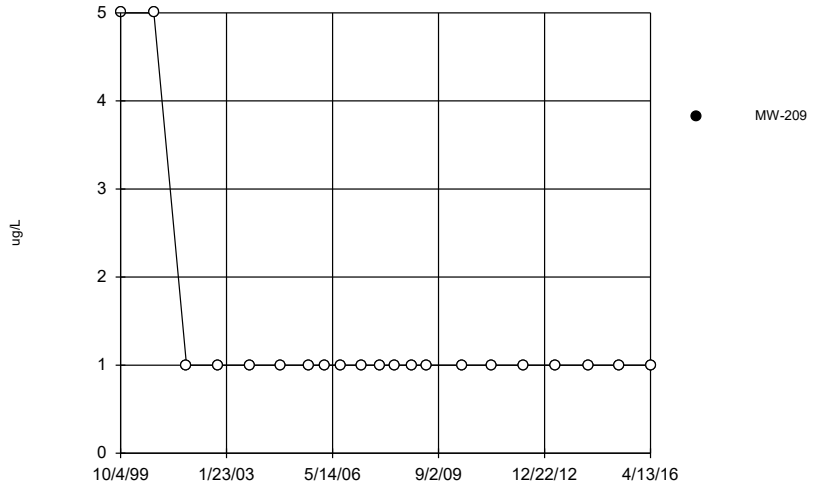
Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 4:14 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 4:14 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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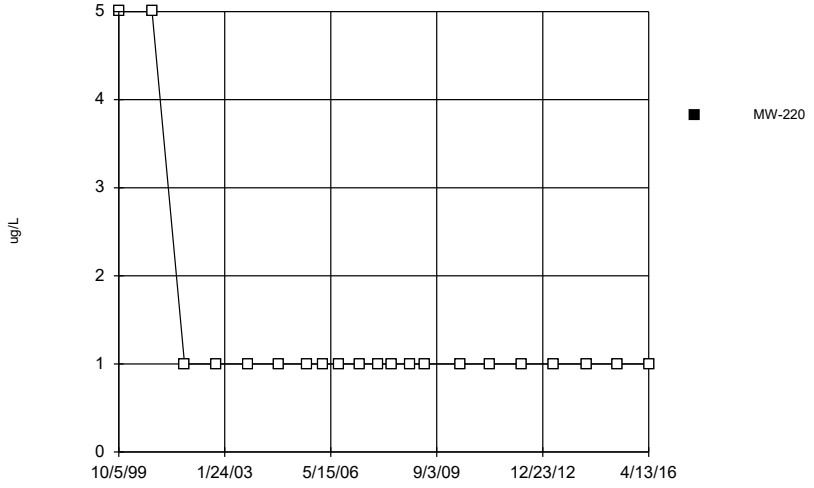

Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 4:14 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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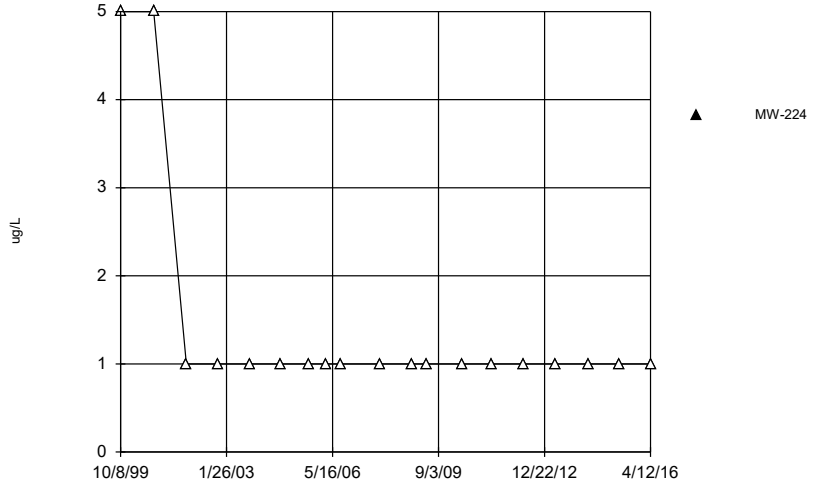

Constituent: cis-1,2-Dichloroethene Analysis Run 6/3/2016 4:14 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
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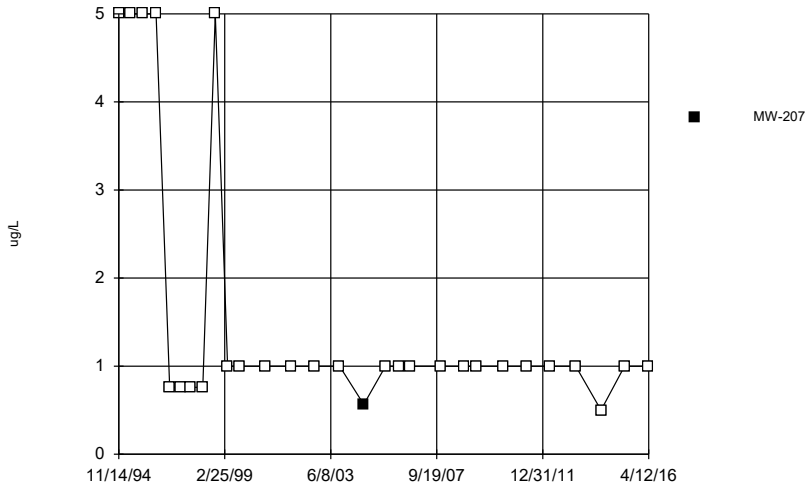
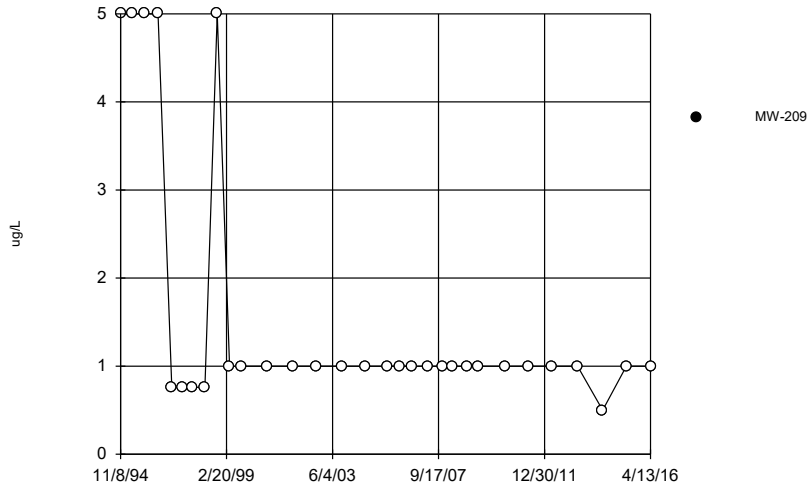
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

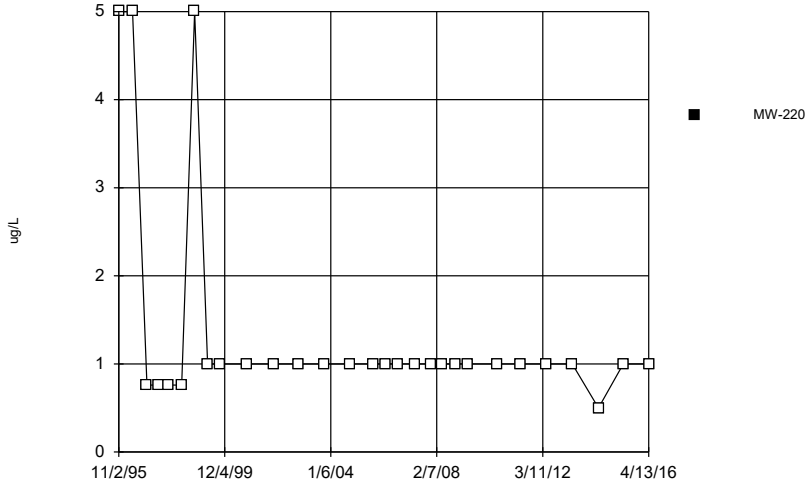
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

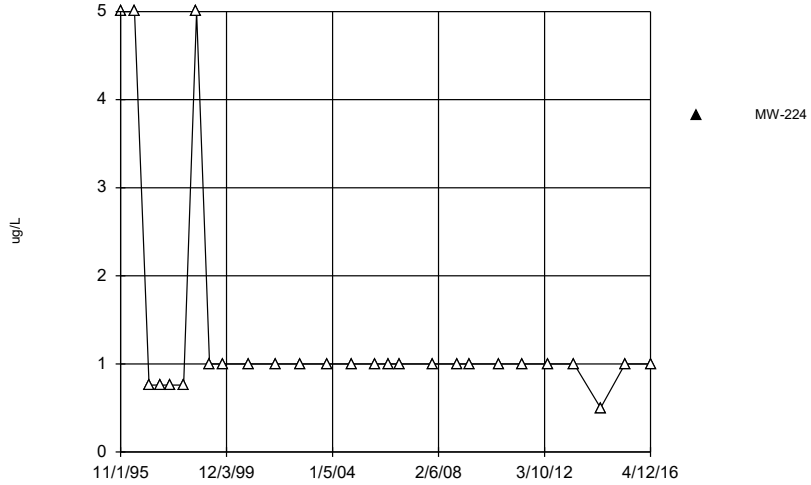
Time Series



Constituent: Ethylbenzene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

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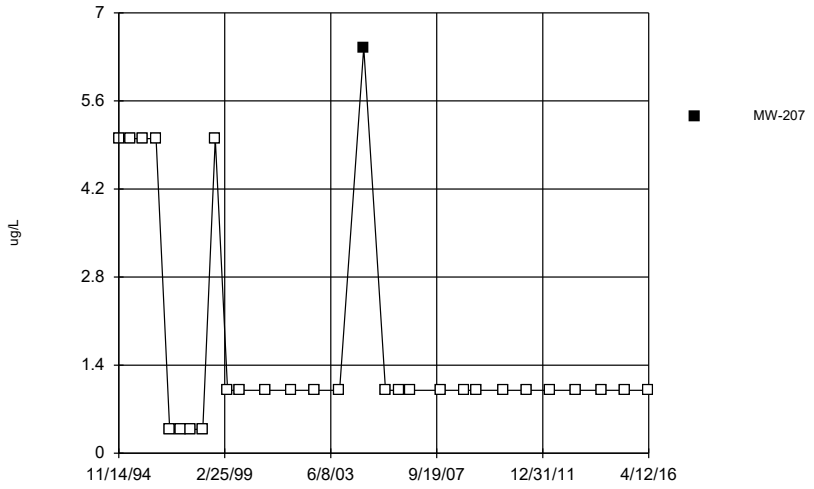
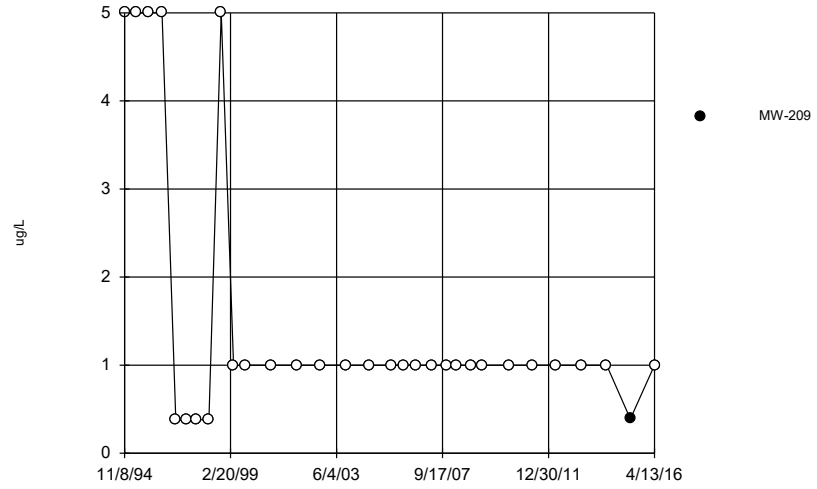


Constituent: Toluene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

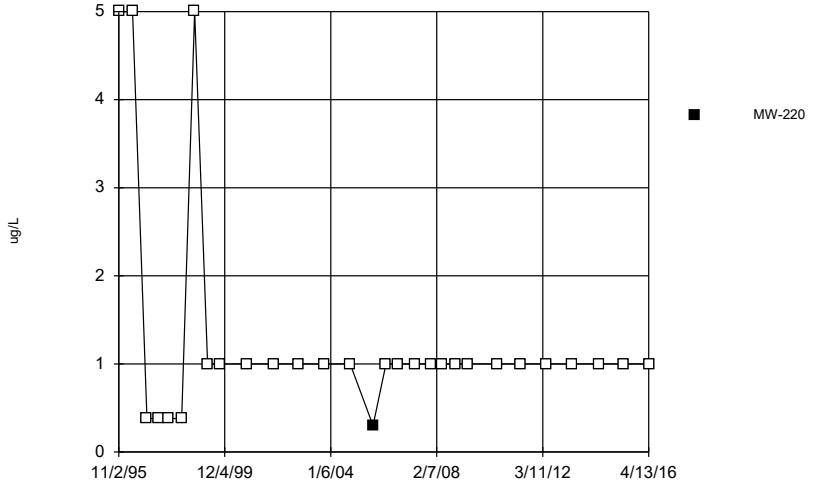
Time Series



Constituent: Toluene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

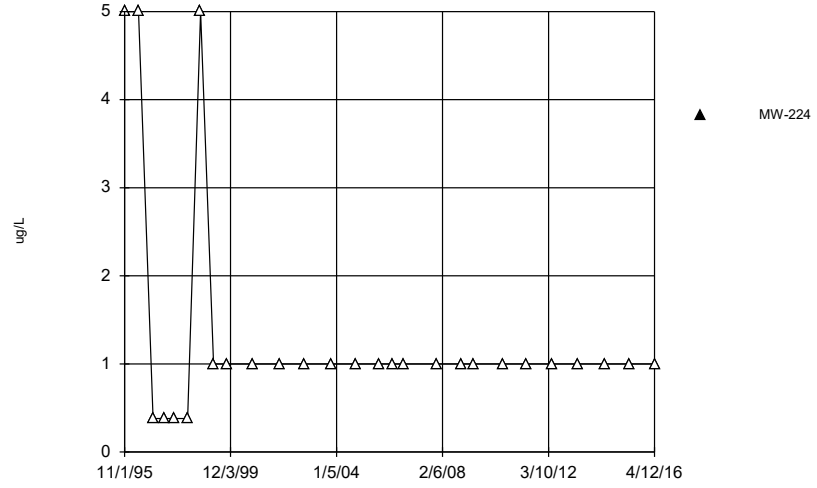
Time Series



Constituent: Toluene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Toluene Analysis Run 6/3/2016 4:15 PM View: UIU Time Series
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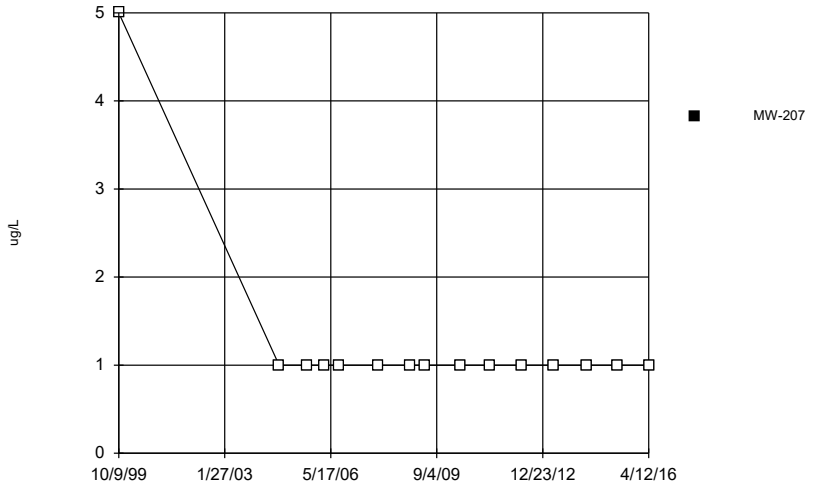
Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

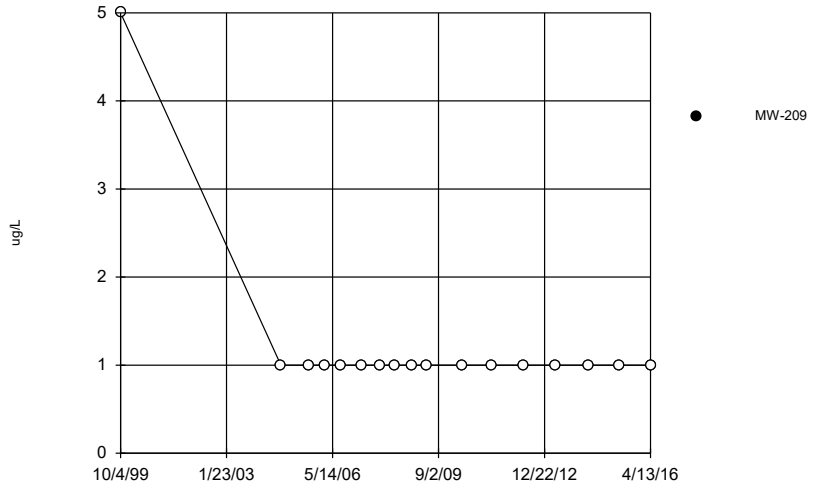
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 4:16 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

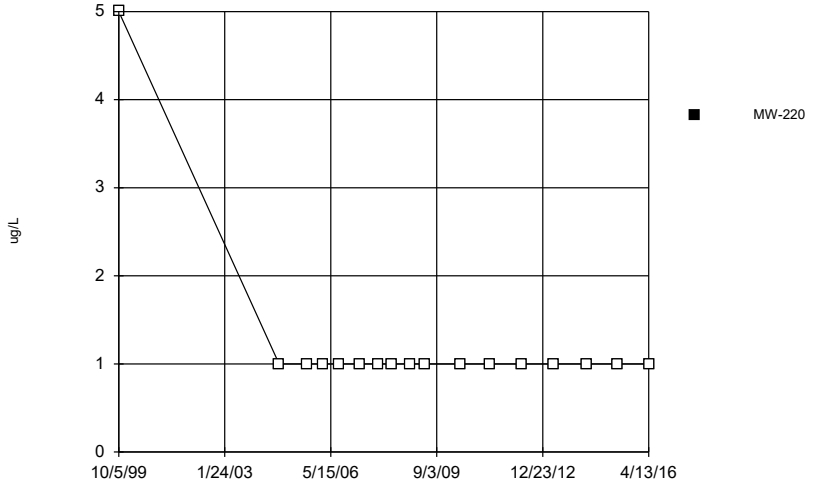
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 4:16 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

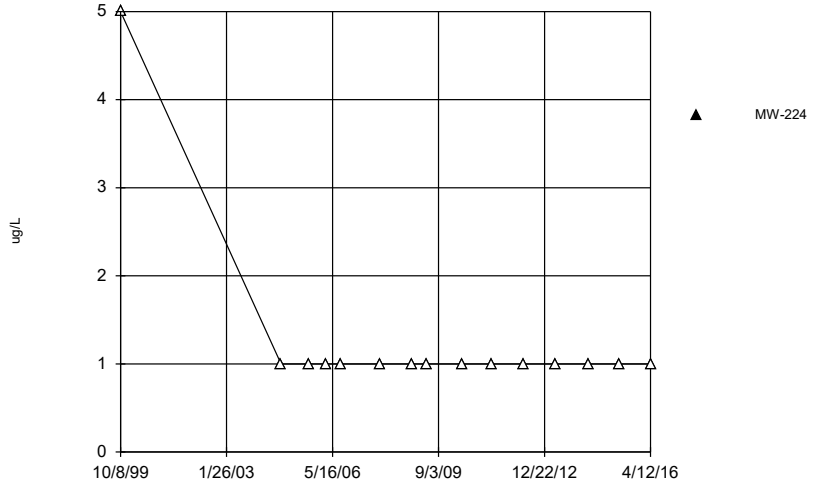
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 4:16 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

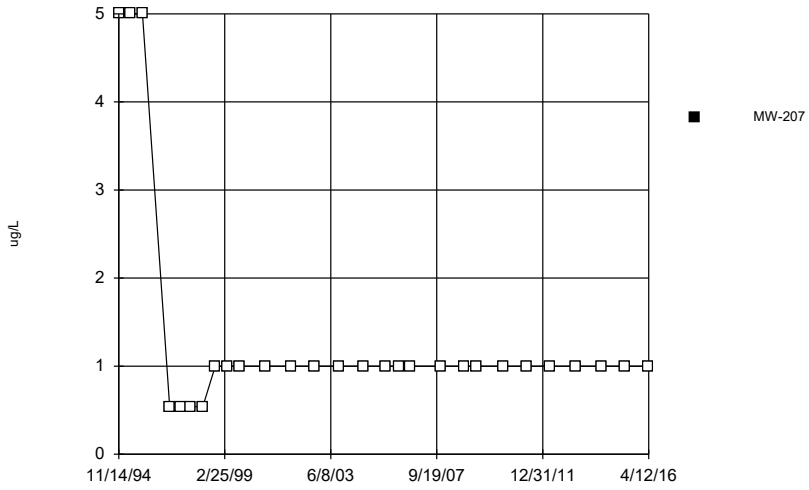
Time Series



Constituent: trans-1,2-Dichloroethene Analysis Run 6/3/2016 4:16 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

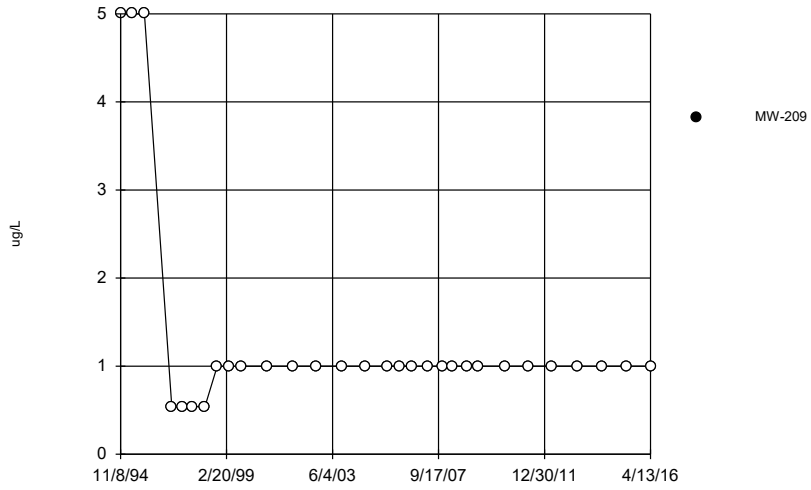
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

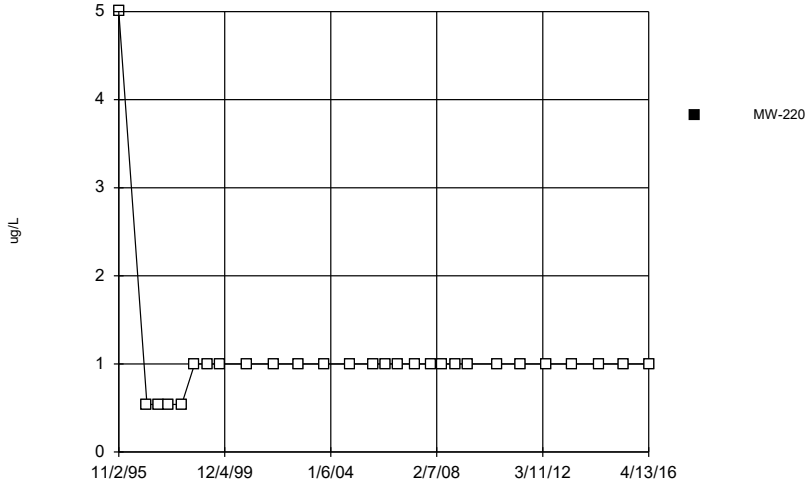
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

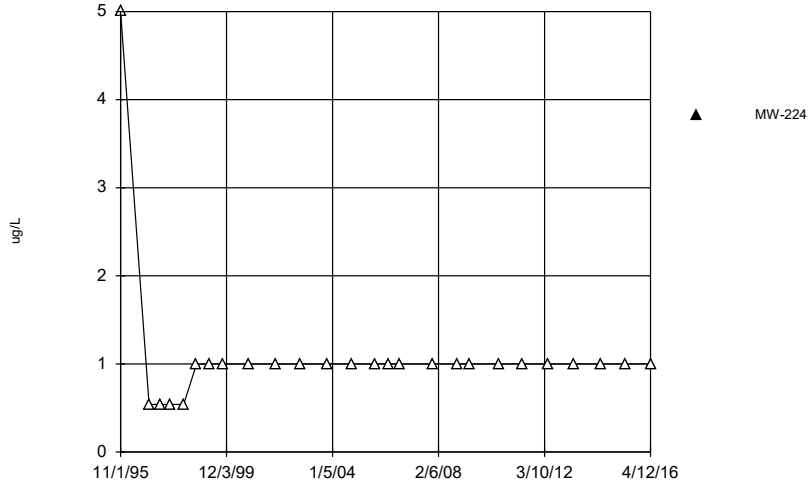
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

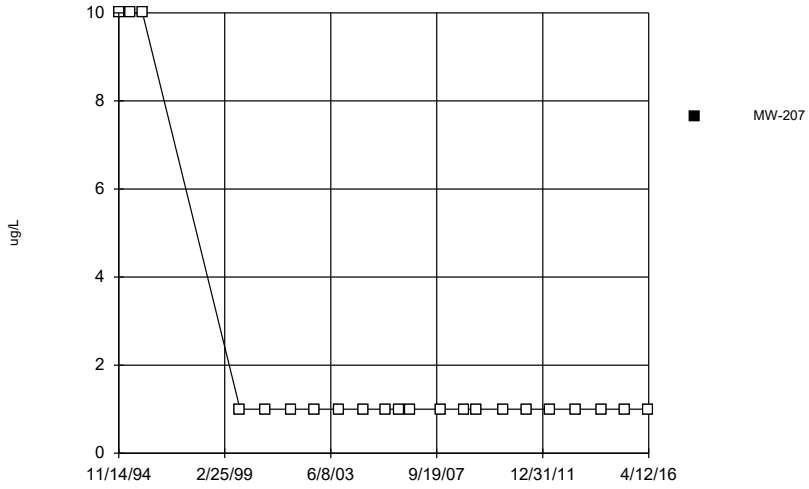
Time Series



Constituent: Trichloroethene Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

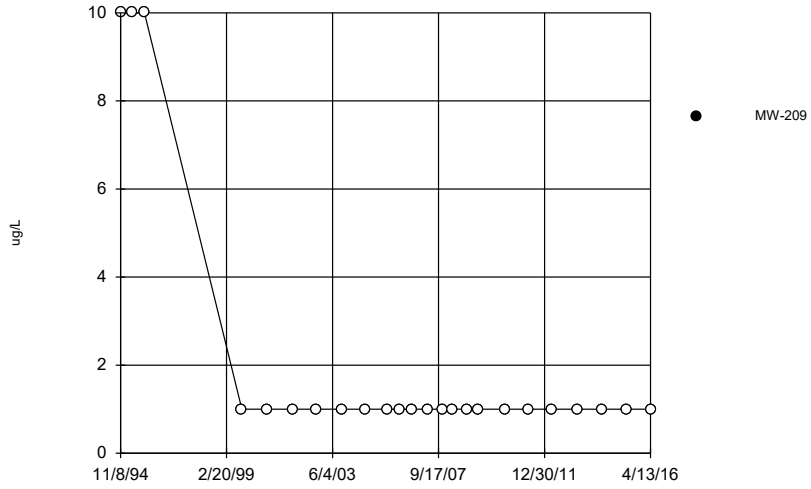
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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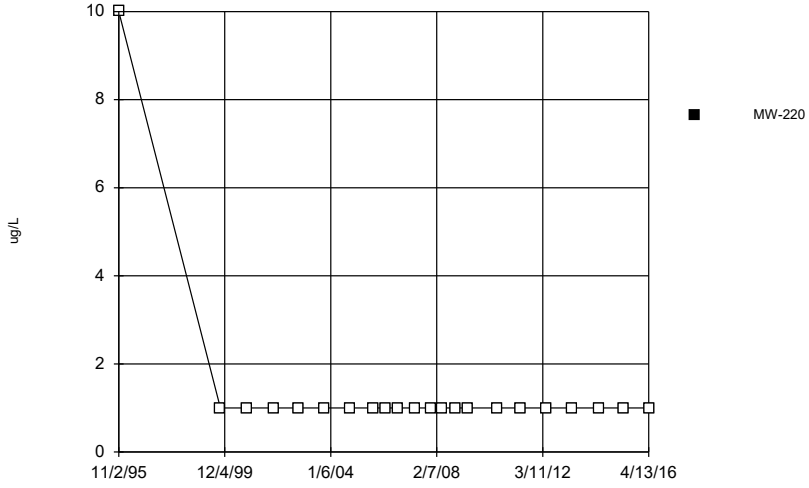
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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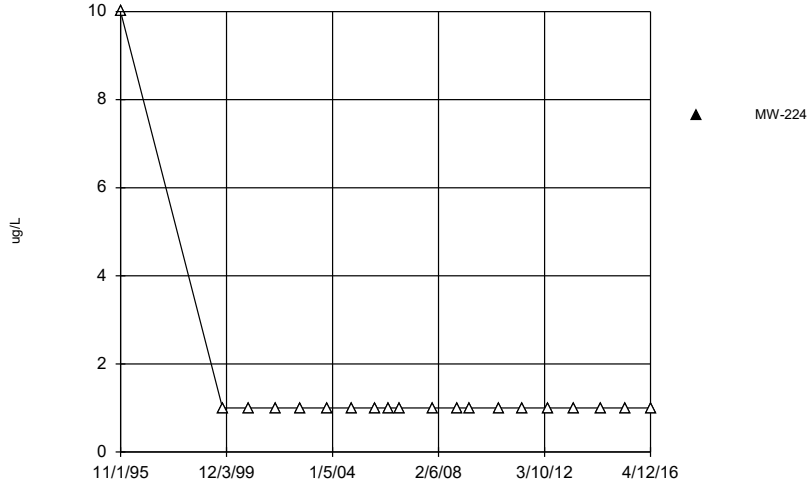
Hollow symbols indicate censored values.

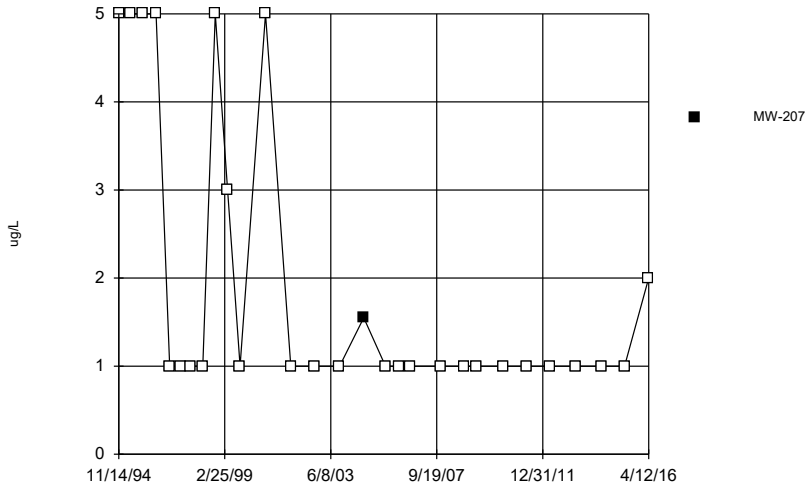
Time Series



Constituent: Vinyl chloride Analysis Run 6/3/2016 4:17 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 4:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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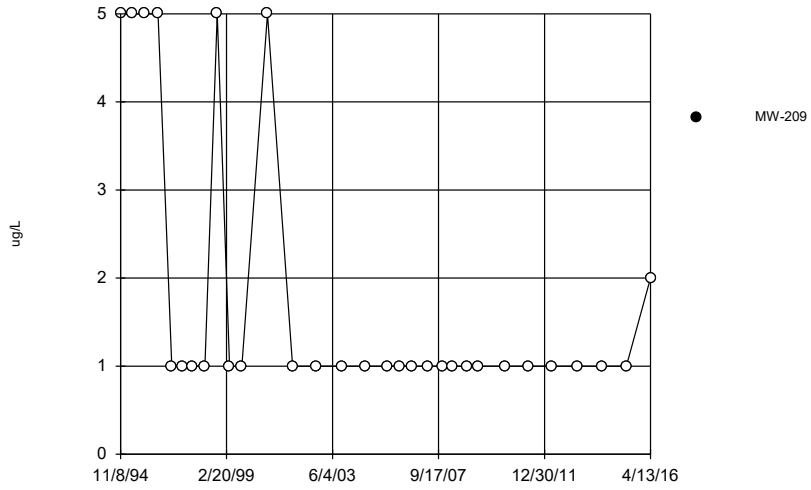
Hollow symbols indicate censored values.

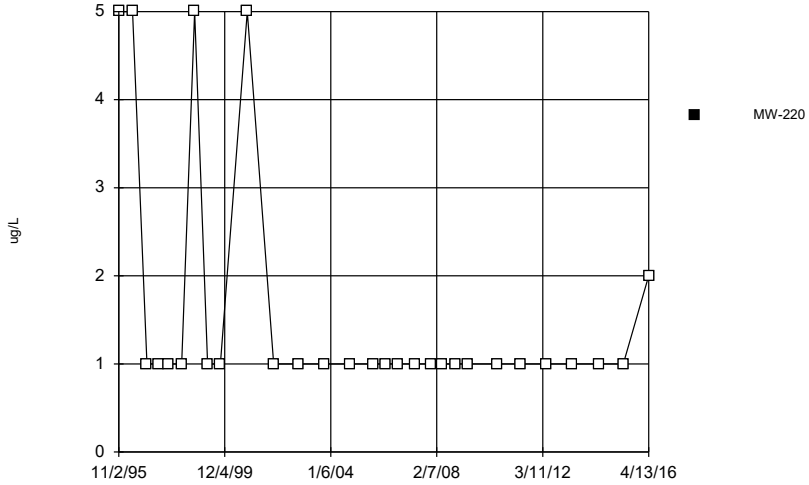
Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 4:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

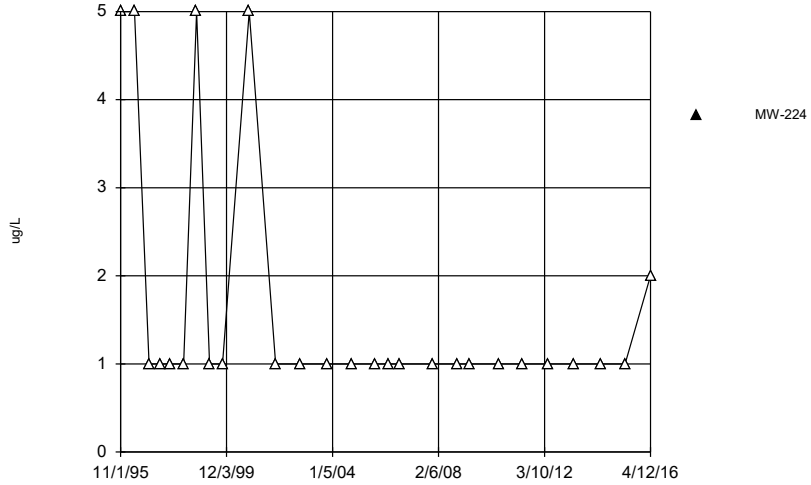
Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 4:18 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.25 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes [total] Analysis Run 6/3/2016 4:18 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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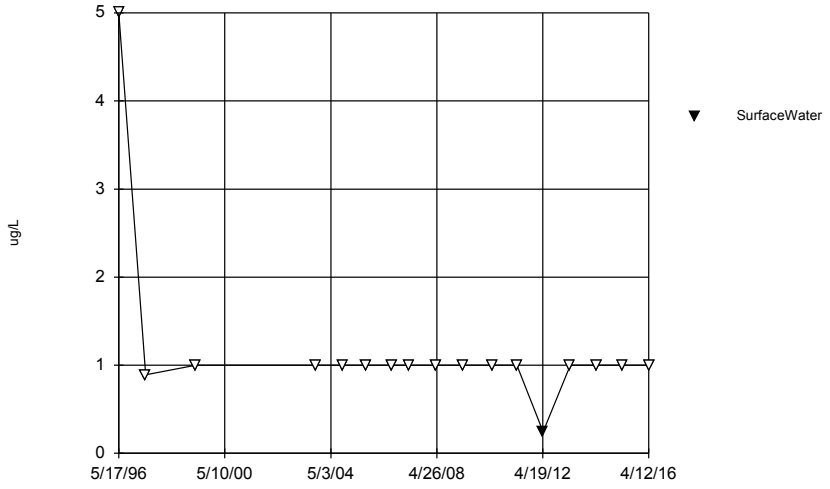
Hollow symbols indicate censored values.

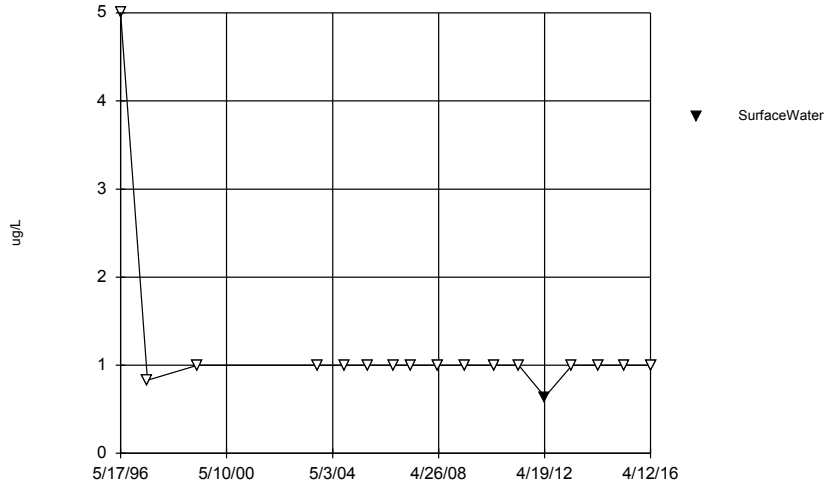
Time Series



Constituent: 1,1-Dichloroethane Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.26 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

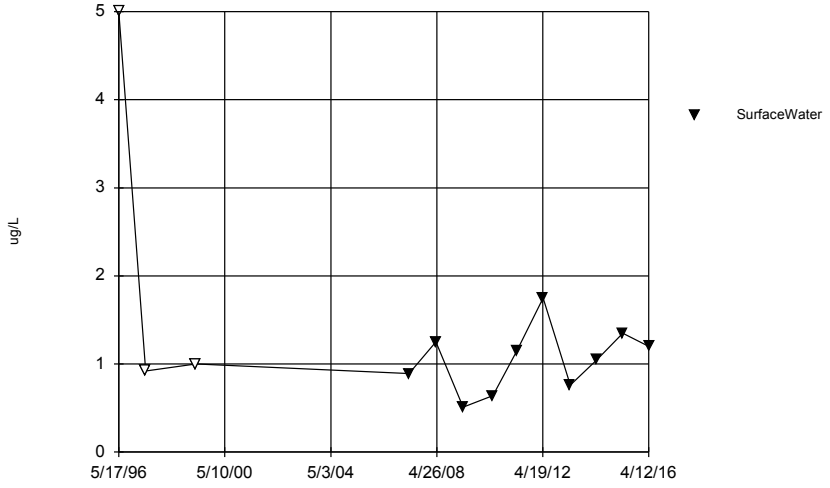
Time Series



Constituent: 1,2-Dichloroethane Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.26 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

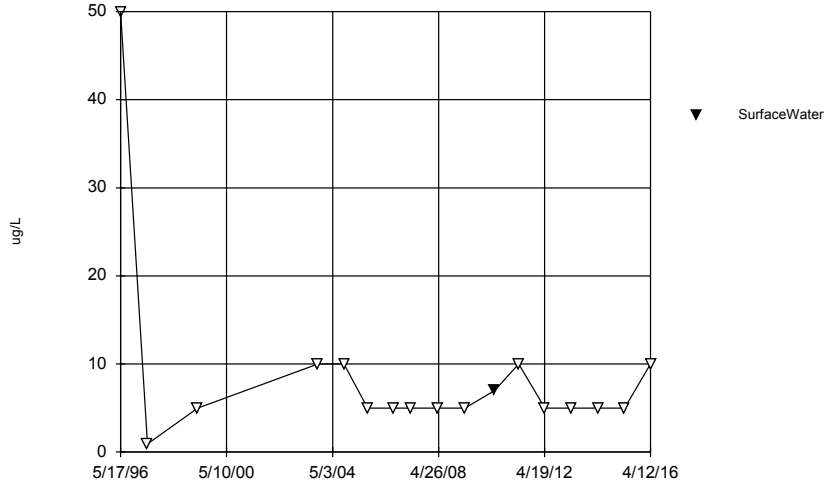
Time Series



Constituent: 1,2-Dichloroethene [total] Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.26 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

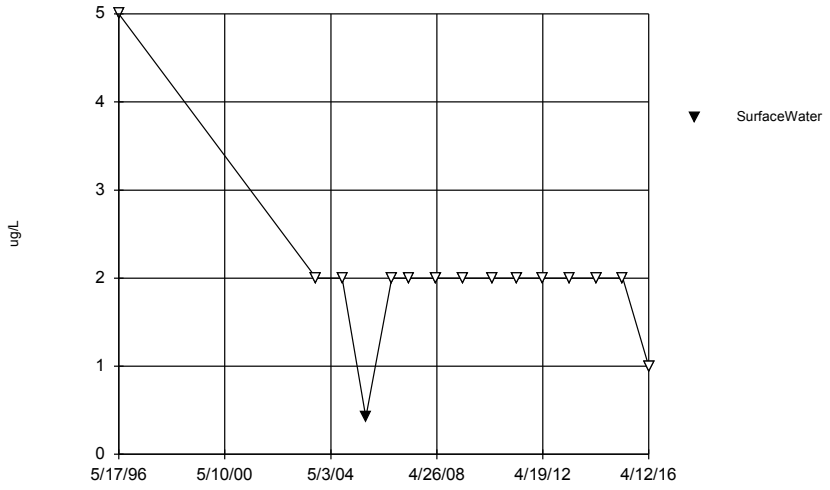
Time Series



Constituent: Acetone Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.26 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

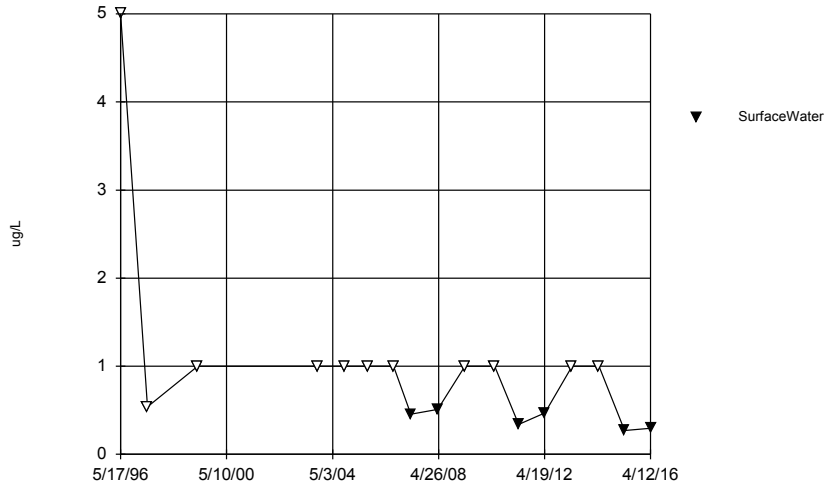
Time Series



Constituent: Carbon disulfide Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.5.26 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Trichloroethene Analysis Run 8/10/2016 11:39 AM View: Surface Water VOCs
Summit National Site Client: Summit National Site Data: Summit.National.Database

PLATES

EAGON & ASSOCIATES, INC.

MW-107	10/7/2004	4/24/2009	6/2/2010	4/28/2011	4/24/2012	4/29/2013	5/9/2014	4/21/2015	4/13/2016
1,1,1-Trichloroethane	195	134	122	57.9	57.1/54.3	33	19.5	27.7/ND(20)	ND(130)
1,1-Dichloroethane	1200	1320	1600	1060	1610/1300	1340	1330	1550 / 1560	1200
1,2-Dichloroethane	265	291	219	157	210/214	137	72.8	77.3 / 81.5	54 J
Acetone	ND(500)	ND(250)	ND(50)	ND(100)	ND(25)/ND(50)	ND(50)	ND(50)	ND(100) / ND(100)	ND(1300)
Benzene	76.2	97.8	110	82.3	89.1/89.5	90.9	94.9	103 / 108	84 J
Chlorobenzene	53.4	63.5	68.1	54.2	51.9/51.0	55.1	58.3	62.3 / 60.3	46 J
Chloroethane	ND(50)	ND(50)	ND(10)	5.0 J	ND(5.0)/ND(10)	ND(10)	10.8	20.4 / 18.1 J	ND(130)
cis-1,2-Dichloroethene	281	369	434	270	208/211	104	43.7	45.1 / 54.8	41 J
Ethylbenzene	830	1230	1240	989	900/944	1030	1150	1220 / 1230	1000
Toluene	8710	5100	5190	4040	3510/3360	2690	3440	3960 / 3940	3700
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)
Trichloroethene	ND(50)	ND(50)	6.7 J	4.5 J	5.1/4.3 J	4.2 J	ND(10)	ND(20) / ND(20)	ND(130)
Vinyl chloride	ND(50)	121	119	76.3	142/143	97.8	46.8	55.4 / 60.1	ND(130)
Xylenes [total]	2760	4120	4090	3220	3320/2990	3390	3640	4140 / 4200	3200

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
1,1,1-Trichloroethane	3	8.8	6.7	5.3/6	6.1	5/5.3	4.8	4.4	ND(10 / ND(10)
1,1-Dichloroethane	50.7	213	244	200/234	329	299/309	315	359	310 / 280
1,2-Dichloroethane	59.4	68.9	67.7	59/62	68.5	67.1/67.6	75.1	70	61 / 60
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)
Benzene	10.7	77.2	86.9	91.7/98.6	120	126/126	136	137	130 / 120
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)
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)
cis-1,2-Dichloroethene	52.8	128	155	144/156	199	201/208	210	237	250 / 220
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)
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)
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
Trichloroethene	10.8	30.1	30.8	25.7/28.8	31	27.8/27.8	27.8	32.1	28 / 27
Vinyl chloride	5.5	53.2	76.8	61.2/69.5	119	115/117	130	114	110 / 95
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)

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
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

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
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

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
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)
1,1-Dichloroethane	47.1	31.4	33.7	21.1	32.2	32.9	29.2	34.5 / 34.6	17
1,2-Dichloroethane	144	69.1	75.1	44.5	73.7	96.4	112	131 / 133	57
Acetone	ND(10)	ND(5.0)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) / ND(5.0)	ND(20)
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)
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)
Chloroethane	1.6	1.4	1.4	0.88 J	1.2	1.7	1.7	1.6 / 1.5	0.71
cis-1,2-Dichloroethene	8.2	6.3	7.5	4.9	6.3	7.1	6.1	7.2 / 7.3	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)
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)
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)
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)
Vinyl chloride	8.6	5.2	7	3.3	6.2	6.5	6	8.4 / 8.9	3.2
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 / 0.19 J	ND(4.0)

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
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)
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)
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)
Acetone	ND(10)	ND(5.0)	ND(5.0)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.9 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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

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
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	1.3	2.5/1.8	1.9	1.7	2	2.1	1.1	1.1	0.74 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)
Acetone	ND(30)	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)
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)
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	3.6	8.7/5.6	7.2	7	7.4	10.1	2.5	3.2	1.7
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)
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)	0.31 J	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(1.0)	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	4/12/2016
1,1,1-Trichloroethane	54.3	45.5	37.7	28.1	24.4	28	17.6	20.1	14
1,1-Dichloroethane	73.7	76.2	79.3	63.4	63.3	77.7	54.4	57.7	48
1,2-Dichloroethane	1.8	1.6	1.3	1.2	1.3	1.5	1.1	1.1	0.98 J
Acetone	ND(10)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)	ND(17)
Benzene	0.55 J	0.7 J	0.71 J	0.61 J	0.55 J	0.7 J	ND(0.5)	0.33 J	ND(1.7)
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)
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)
cis-1,2-Dichloroethene	62.3	55.5	59.2	50.7	44.2	57.5	33.3	32.1	28
Ethylbenzene	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)	ND(1.7)
Toluene	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1.7)
trans-1,2-Dichloroethene	2	2.4	2.4	1.9	1.6	2.1	0.88 J	1.1	0.74 J
Trichloroethene	186	122	101	95.9	75.6	88.9	36.9	45.9	44
Vinyl chloride	2.2	5	5.2	6.1	4.1	6.2	2.8	3.6	2.1
Xylenes [total]	ND(1.0)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3.3)

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	4/12/2016
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
SUMMIT COUNTY, OHIO

COMPILED BY: MAM	PLATE TITLE: WATER QUALITY DATA RESULTS, WATER TABLE UNIT, 2004 & 2009-2016	
DRAWN BY: MAM	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE *DEERFIELD, OHIO*	
CHECKED BY: ADG	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*	PLATE NUMBER: 1
APPROVED BY: MTG		
DATE: May 23, 2016		

F:\AUTOCADX\SUMMIT-NATIONAL\CONCENTRATION PLOTS\SUMMIT-NATIONAL-BASEMAP-04-12-2016.DWG

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
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	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(5.0)	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)
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	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)
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)
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]	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)

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
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)
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)
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)
Acetone	ND(10)	ND(5.0)	13.8	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

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
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)
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)
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)
Acetone	3.7 J	14.4	9.6/9.1	ND(10)	ND(5.0)/ND(5.0)	12.8	9.3/10	5.1	5.1 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)
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)
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)
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(0.5)/ND(0.5)	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(1.0)/ND(1.0)	0.89 J	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)	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)
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)
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)
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)

MW-224	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
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) / 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(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)
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)

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	4/12/2016
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
SUMMIT COUNTY, OHIO

COMPILED BY: MAM	PLATE TITLE: WATER QUALITY DATA RESULTS, UPPER INTERMEDIATE UNIT, 2004 & 2009-2016	
DRAWN BY: MAM	PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE *DEERFIELD, OHIO*	
CHECKED BY: ADG	PREPARED BY: *EAGON & ASSOCIATES, INC.* *100 OLD WILSON BRIDGE ROAD, SUITE 115* *WORTHINGTON, OHIO 43085*	PLATE NUMBER: 2
APPROVED BY: MTG		
DATE: May 23, 2016		

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