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January 21, 2020

Ms. Megan Oravec
Ohio EPA – Division of Environmental Response & Revitalization
2110 East Aurora Avenue
Twinsburg, Ohio 44087

**RE: 2019 Five-Year Groundwater Monitoring Event Report**
**Summit National Superfund Site**
**Deerfield, Ohio**

Dear Ms. Oravec:

On behalf of the Summit National Facility Trust, transmitted herewith is one hardcopy and one electronic copy on CD-ROM of Eagon & Associates, Inc.'s report entitled: "2019 Five-Year Groundwater Monitoring Event Report, Summit National Superfund Site." The report presents the results of sampling activities performed in April 2019. The sampling event included the collection of samples that were analyzed for the five-year groundwater monitoring program parameters as specified in the approved Quality Assurance Project Plan (QAPP) (Conestoga Rovers & Associates, July 1994, Revised November 1996) and the October 31, 2014 five-year event report. Site-wide water levels were measured and groundwater samples were collected from 51 groundwater monitoring wells, one on-site non-potable supply well, nine media drain manholes (water levels only), and three residential wells. In addition, one sediment sample and one surface water sample were collected at the confluence of south and east surface water drainage ditches located near the southeast corner of the Site. The groundwater monitoring wells were analyzed for the Site's Target Compound List (TCL) of volatile organic compounds (VOCs), semivolatile organic compounds, and inorganic constituents. Surface water and sediment samples were analyzed for TCL VOCs and SVOCs and the residential wells were analyzed for Site-Specific Indicator Parameter List (SSIPL) VOCs and bis (2-Ethylhexyl) phthalate.

The April 2019 results demonstrate that no significant changes in concentrations of Chemicals of Potential Concern or SSIPL VOC constituent concentrations have occurred off-site since the cessation of pump-and-treat operations in 2005. Overall, groundwater-quality conditions have improved since the last five-year event in 2014. Corrective measures previously implemented and natural attenuation processes continue to prevent detrimental impacts to off-site areas, including those areas downgradient of the Site and in the vicinity of nearby residential water-supply wells. Performance standard exceedances observed at some wells in 2019 were largely driven by concentrations of naturally occurring iron and arsenic, not constituents released from the facility, and were not accompanied by off-site MCL exceedances of SSIPL constituents; therefore, contingency measures and a restart of the groundwater extraction system are not warranted or required.

No changes to the SSIPL VOCs sampled annually are proposed at this time and groundwater monitoring should continue for the next five-year period; i.e., until the next five-year monitoring event in 2024.

As detailed in the attached report, it is proposed that sampling of the southeast ditch sediments should be discontinued as recent results confirm the presence of only immobile constituents related to historic coal-mining activities and no contemporary site-related environmental conditions or activities necessitate ongoing sediment monitoring. We further propose that annual surface-water samples should be analyzed for the SSIPL VOCs instead of the full list of Target Compound List (TCL) VOCs and semivolatile organic compounds (SVOCs) presently analyzed since recent results have displayed only very low detections of a few SSIPL VOCs. The surface water samples then would be analyzed for the TCL VOCs and SVOCs every five years moving forward.

In response to discussions during a November 27, 2018 teleconference with Ohio EPA and the agency's subsequent November 29, 2019 written comments, it is proposed that off-site Water Table Unit (WTU) monitoring well MW-109 should be added to the list of wells sampled annually for SSIPL VOCs between the five-year monitoring events. The well is located offsite, downgradient of interior WTU monitoring well MW-108 and is well-positioned to detect the migration of site-derived constituents if that were to occur east of MW-108 in the future. MW-109 is routinely nondetect for SSIPL constituents.

It is also proposed that the residential wells should no longer be sampled for bis (2-Ethyhexyl) phthalate. Sporadic low-level detections of bis (2-Ethylhexyl) phthalate in groundwater are not uncommon for the project, including at background and sidegradient locations. Bis (2-Ethyhexyl) phthalate detections are often associated with the laboratory environment and are not considered to be the result of historic activities at the Site. In addition, it is noted that bis (2-Ethyhexyl) phthalate was not detected in any monitoring well during the 2019 event.

The next scheduled sampling event (annual SSIPL event) is tentatively scheduled for April 2020. The next five-year sampling event is scheduled for spring 2024.

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

Sincerely,

Michael T. Gibson, CPG
Associate Hydrogeologist
SNSS Project Coordinator

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# 2019 FIVE-YEAR GROUNDWATER MONITORING EVENT REPORT SUMMIT NATIONAL SUPERFUND SITE

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# INTRODUCTION

The purpose of this report is to present the monitoring results from the April 2019 (five-year) Groundwater Quality Monitoring Event conducted at the Summit National Superfund Site (SNSS; Site) in Deerfield, Ohio. The sampling event was conducted April 8 through 12, 2019 by personnel from Eagon and Associates, Inc. (Eagon).

The April 2019 sampling event included the collection of samples that were analyzed for the five-year groundwater monitoring program parameters as specified in the approved Quality Assurance Project Plan (QAPP) (Conestoga Rovers & Associates, July 1994, Revised November 1996) and modified per Ohio EPA correspondence dated April 28, 2010. Site-wide water levels were measured and groundwater samples were collected from 51 groundwater monitoring wells, one on-site non-potable supply well, nine media drain manholes (water levels only), and three residential wells. In addition, one sediment sample and one surface water sample were collected from the pond located at the confluence of the south and east drainage ditches near the southeast corner of the Site. Samples were also collected from three nearby residential wells. All of the monitoring wells, piezometers, surface water, and sediment sampling locations are shown on the base map for the Site (Figure 1).

All of the laboratory analytical work was performed by Eurofins TestAmerica Laboratories in Canton, Ohio (ETA). 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 with U.S. EPA and Ohio EPA oversight through 2018, the results from the April 2019 sampling event have been evaluated to characterize current conditions and changes that may have occurred since shutdown of the facility's groundwater extraction system in August 2005. Groundwater flow conditions have been evaluated; groundwater constituent concentrations have been compared to event-specific groundwater performance standards; concentration trends have been evaluated, where applicable; and a proposed approach for continued monitoring activities is presented. The

derivation of performance standards and decision-making criteria, are consistent with previous five-year events and off-year annual monitoring events, where applicable.

## FIELD ACTIVITIES

### Water Level and Total Well Depth Measurements

Static water-levels were measured at all on-site and off-site groundwater monitoring wells, piezometers, the non-potable supply well, and media drain manholes in the groundwater monitoring system on April 8, 2019, prior to purging and sampling any of the monitoring wells. Total depth measurements also were measured in all of the monitoring wells and piezometers. Water-level and total well depth measurements were taken with a portable electric tape and recorded to the nearest 0.01 foot. The results of the measurements taken during the April 2019 (five-year) monitoring event are presented on Table 1.

### Purging and Sampling of Monitoring Wells

In accordance with the facility's QAPP and standard practices employed at the Site historically, prior to sampling, a minimum of three standing water column volumes 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 and allowed to recover prior to sampling. Monitoring wells were purged using dedicated Waterra-brand foot valves and tubing, non-dedicated Grundfos-brand pumps on dedicated tubing, or non-dedicated stainless-steel bailers. The methods and procedures used at each sample point are reflected on the Field Information Forms included in the back of Appendix A.

Temperature, pH, and specific conductance were measured after each successive well volume was purged to monitor chemical stabilization of the purge water. 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 also was made at the time of sample collection at each well. All field

parameter measurements were recorded on Field Information Forms completed at each well (Appendix A). Once purging was completed, the purging equipment was removed from the well prior to sample collection. All of the purge water and water used to decontaminate the purging and sampling equipment was containerized on-site, prior to being transferred to an appropriate disposal facility (Carbon Limestone Landfill in Lowellville, Ohio).

Samples typically were collected on the same day as purging and no later than 24 hours after purging. Thirty-one of the 51 wells were purged to dryness and all of those wells recovered sufficiently within 24 hours to collect complete sample sets.

All monitoring wells were sampled using non-dedicated stainless-steel bailers that were thoroughly decontaminated between sample points. Once sampling was completed, any dedicated equipment (e.g., foot valves, tubing) was placed back down into the wells for storage between sampling events. Non-dedicated equipment (e.g., stainless-steel bailers) was decontaminated following the procedures described in the QAPP, placed in capped PVC sleeves, and stored on-site.

The groundwater monitoring wells were sampled for the Target Compound List (TCL) of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), as well as the Target Analyte List (TAL) for metals and cyanide. Table 2A presents a summary of all of the analytical results from the groundwater monitoring wells and QA/QC samples collected during the April 2019 event. In accordance with recommendations based on the results from the 2009 monitoring event, and U.S. EPA's (April 2010) concurrence, Polychlorinated Biphenyls (PCBs) and Pesticides are no longer analyzed as part of the Site's monitoring program.

Sample bottles collected at each well were labeled and placed in coolers with bags of ice prior to shipment. Coolers were either picked up by the laboratory's in-house courier and taken to the laboratory (ETA) or were hand-delivered to the laboratory by the sampling team. Each cooler contained a chain-of-custody (COC) record that included sample identifications, dates and times of sample collection, and the requested analyses. Copies of the COC records from the April 2019 event are included within the laboratory analytical reports presented in Appendix A.

### Decontamination Procedures

Equipment decontamination procedures were employed to prevent cross-contamination 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. Grundfos pumps were washed with a Liquinox solution and thoroughly rinsed with distilled or deionized water, then wiped with a clean paper towel before use at each well. The Liquinox solution was circulated through the pumps during decontamination to ensure that the internal parts of the pump were cleaned. Stainless steel bailers were also 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. Water used for decontamination purposes was containerized and disposed of in the same manner as the purge water.

## GROUNDWATER QUALITY MONITORING

### Objectives

The objectives of the groundwater monitoring program for the Summit National Superfund Site are to evaluate the quality of the groundwater underlying the Site for the purpose of determining the magnitude and extent of quantified constituents of concern and the risk they may pose, if any, to human health and the environment. The monitoring results are also used to evaluate changes in groundwater quality since the August 2005 shutdown of the groundwater extraction system in order to verify that shutdown of the system has not resulted in adverse effects to off-site areas.

### Analytical Results

In accordance with the O&M Plan, QAPP, and subsequent correspondence with EPA, the April 2019 monitoring event included sampling of monitoring wells completed in the water table unit (WTU), upper intermediate unit (UIU), lower intermediate unit (LIU), and upper Sharon unit

(USU). The groundwater samples from the event were analyzed for the Target Compound List/Target Analyte List (TCL/TAL) and the results are summarized on Table 2A. Surface water and sediment samples were analyzed for TCL VOCs and SVOCs and results are summarized on Table 2B. Residential wells were analyzed for Site-Specific Indicator Parameter List (SSIPL) VOCs and bis (2-Ethylhexyl) phthalate and those results are summarized on Table 2C. As noted previously, PCBs and pesticides included on the TCL/TAL are no longer analyzed. The laboratory analytical reports from the event are presented in Appendix A (groundwater), Appendix H (surface water and sediment) and Appendix I (residential). A CD-ROM in Appendix B contains historical groundwater quality and water-level elevation data collected at the Site.

A summary of all of the VOCs and SVOCs detected in the WTU, UIU, LIU, and USU monitoring wells during the April 2019 event, the previous five-year groundwater monitoring events (i.e., 1994, 1999, 2004, 2009, and 2014), and for the 2006 post-shutdown sampling event, are presented on site maps prepared for each monitored zone (Plates 1 through 4). VOCs and SVOCs detected in the WTU and UIU during post-shutdown monitoring (2005-2019) are presented on Plates 5 and 6, respectively. VOCs and SVOCs detected during the sampling event prior to shutdown at each well are also presented on Plates 5 and 6.

**Data Validation**

The data validation completed for the laboratory analytical results for groundwater samples collected from the 51 groundwater monitoring wells, the non-potable supply well, and the surface water samples are 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" (January 2017) and the "U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" (January 2017). Qualified results are summarized on the table in Appendix C. No data were rejected as a result of the data validation performed on the April 2019 groundwater monitoring results.

**Trends in Water Quality Data**

The historical VOC and SVOC water-quality data collected at the Site, including the April 2019 (five-year) sampling event, are shown on time-series plots presented in Appendix D. Time-series plots were generated for each well and parameter that had at least one quantified result over time. Plots for wells and parameters comprised of 100 percent nondetect data were not generated and therefore are not shown in Appendix D. The change in concentrations over the entire historical record at each well within each monitored zone at the Site can be seen on the plots. Note that nondetect results are shown as open symbols on the plots whereas detections are displayed using solid symbols for each result.

As shown on the plots and as discussed later in this report, trends in concentrations of VOC concentrations have continued to stabilize and, in some cases, decline (e.g., 1,2-Dichloroethane), at eastern interior WTU monitoring well MW-108, located near the inactive perimeter groundwater extraction system pipe and media drain. Well MW-108 previously displayed increasing post-shutdown concentration trends. Combined with the absence of significant detections or MCL exceedances in off-site sentinel wells, the April 2019 results continue to confirm that the objective of on-site containment of waste-derived constituents remains satisfied.

## WATER-LEVELS AND GROUNDWATER FLOW CONDITIONS

Groundwater levels in the WTU, UIU, LIU, and USU monitoring wells and piezometers at the Site were measured on April 8, 2019 and are presented on Table 1. The water-level data were converted to groundwater elevations and the data were used to construct potentiometric surface maps for the WTU, UIU, LIU, and USU for the April 2019 monitoring event. The potentiometric surface and flow directions in each zone are presented on Figures 2 through 5. Hydrographs for each monitoring well and piezometer include water–level data from November 1994 through April 2019 are included in Appendix E. The hydrographs are segregated by zone and the WTU wells are split onto two graphs (on-site wells; off-site wells) for illustrative purposes.

The groundwater elevation contours generated from the April 2019 hydraulic monitoring data demonstrate that the direction of groundwater flow is generally southeasterly in the WTU, consistent with past observations. The groundwater flow direction in the bedrock units (i.e., UIU, LIU, and USU) is predominantly toward the east, with minor southeasterly or northeasterly flow components in some areas, and is consistent with both the post-shutdown and pre-shutdown groundwater flow conditions in these units. The on-site non-potable supply well groundwater elevation is completed in a deeper zone than the other Upper Sharon Unit Wells and is not considered to be representative of water levels in the USU. Therefore, the water level measured in the non-potable supply well was not used to generate the potentiometric surface map for the USU.

The hydrographs in Appendix E show a minor but steady increase in water levels over the period from 1994 to 2014. Over the past five-years, water levels have remained relatively flat or have decreased slightly. In the WTU, water levels display the expected post-shutdown recovery response beginning at the end of 2005. In general, observed water levels were at or near their historic maximums during the event. Water levels ranged from approximately 1076 to 1100 ft, MSL in the WTU wells during the event; 1076 to 1096 ft, MSL in the UIU wells; 1073 to 1090 ft, MSL in the LIU wells; and 1064 to 1082 ft, MSL in the USU. Note that the water level presented on Figure E-5 (located in Appendix E) for the non-potable well was collected while the pump was running during the April 2019 event. Therefore, the presented water level is less than historical results.

## GROUNDWATER PERFORMANCE STANDARDS

As required by the Consent Decree, the groundwater performance standards for the Site must be attained at each of the WTU, UIU, LIU, and USU monitoring wells except for those wells designated as background wells (see tables in Appendix F). In accordance with the Consent Decree and previous reports (CRA, 2009; Attachments H & I), the groundwater performance standards for the Site are met when the Hazard Index (HI) is less than 1.0. The HI equals the sum of Hazard Quotients (HQs) determined for each Chemical of Potential Concern (COPC) at each well.

Table 3 presents the groundwater monitoring parameters for the Site and their current carcinogenic and non-carcinogenic Regional Screening Levels established by U.S. EPA (November 2019), where applicable. COPCs for the April 2019 event include any organic carcinogen detected above a method detection limit (MDL), any inorganic carcinogen detected at or above the reporting limit (RL), and any inorganic noncarcinogen detected at a concentration greater than two times the mean concentration for background wells in a given monitored zone. Organic noncarcinogens are considered COPCs if they are detected at a level above their background mean. In most cases, organic noncarcinogens were not detected in background; therefore, any organic noncarcinogen detected in a well at or above the reporting limit has been included on the list of COPCs shown on Table 4, where applicable. Table 4 also presents the determination of the HQ for each COPC at each well and the resulting HI for each well for the event. A summary table of the mean background concentrations for each inorganic noncarcinogen for each monitored zone is presented in the front of Appendix F. The calculations used to determine the mean background concentrations for the inorganic noncarcinogens are presented in Appendix F. Any well in which a Hazard Index (HI) exceeded 1.0 is identified (HI shown in bold) on Table 4 as not meeting performance standards for the April 2019 groundwater monitoring event.

As indicated on Table 4, groundwater performance standards have not been attained at several wells; therefore, in accordance with the Consent Decree, groundwater monitoring should continue at the Site. It is noted that only one performance standard was exceeded outside of the WTU. Iron was exceeded in UIU well MW-223. Iron is naturally occurring in groundwater at the Site and concentrations in well MW-223 are not interpreted to be the result of past releases from facility. The performance standards for iron and arsenic also are exceeded at WTU background wells MW-102 and MW-103, respectively. No other wells or parameters in the three bedrock monitoring zones (UIU, LIU, and USU) exceeded performance standards. Note that concentrations of both naturally occurring arsenic and iron are the bases for the performance standard exceedances identified at many wells for the event. Concentrations of arsenic, iron and other metals detected in groundwater near the site are interpreted to have been influenced by past coal-mining activities and subsequent shifts in background geochemistry, including from acid-mine drainage effects.

## EXTRACTION SYSTEM SHUTDOWN EVALUATION

In the 2004 10-year groundwater evaluation (CRA, March 16, 2005), the Summit National Facility Trust (SNFT) requested permission to shut down the groundwater extraction system based on the stability of on-site groundwater contaminant concentrations and no 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 and treatment 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. Five-year site-wide monitoring events were completed in 2009 and 2014 and annual Site-Specific Indicator Parameter List (SSIPL) events were performed in 2010 through 2013 and 2015 through 2018. Monitoring results up through and including the April 2019 five-year event continue to confirm that on-site groundwater impacted by the facility is not migrating off-site, even under non-pumping conditions. Plates 5 and 6 present a summary of the detected SSIPL VOC concentrations for the shutdown evaluation period beginning after August 31, 2005 through April 2019 for the WTU and UIU, respectively. For comparison purposes, these Plates also show the results from the sampling event conducted immediately prior to shutdown at each well.

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.

The concentrations of SSIPL VOCs in downgradient off-site monitoring wells have remained either non-detect or within the range of concentrations detected in the baseline sampling event for the shutdown evaluation.

**Post-Shutdown Trend Testing**

Trend evaluations were performed on the water-quality data collected for the parameters included on the SSIPLs at wells where at least one detection has been observed during the post-shutdown period from 2006 to 2019. Quantitative trend analysis using the Mann-Kendall test was used to identify statistically significant upward trends in water-quality during the post-shutdown period for wells with a minimum of four data points (e.g., wells sampled annually) and with 50 percent or greater quantified results during the post-shutdown period and those results are presented in Appendix G. Trends in water-quality at wells with insufficient data for meaningful statistical trend comparisons (e.g., wells with more than 50% nondetect results) were evaluated qualitatively by reviewing the time-series plots presented in Appendix D.

The wells where quantitative trend analysis was performed are as follows: WTU wells MW-11, MW-107, MW-108, MW-111 and UIU well MW-209. The wells where qualitative analysis was performed include: on-site WTU well MW-106, on-site UIU well MW-223, off-site WTU wells MW-4, MW-109, MW-115 and MW-118; and off-site UIU well MW-223.

In order to evaluate for statistically significant upward trends in chemical concentrations both on-site and off-site during the shutdown period using Mann-Kendall analyses, trends were evaluated over the following time periods for wells and constituents that met the detection criteria described above:

- Overall Post-Shutdown (February 2006 – April 2019)
- Early Post-Shutdown (February 2006 - April 2009)
- Recent Post-Shutdown (April 2010 – April 2019)

The Mann-Kendall trend testing included in Appendix G was performed using the Sanitas™ software program. Any statistically significant increasing post-shutdown trends identified using Mann-Kendall analyses are summarized on Table 5. No qualitatively significant upward trends were identified.

If statistically significant increasing trends were first identified over the entire Post-Shutdown period for a certain constituent at a given well, the wells and constituents were then separately tested for trends during the Early Post-Shutdown years (2006-2009) and Recent Post-Shutdown year (2010 – 2019) in order to further characterize the nature of the overall trends and to identify if overall or early trends persisted during the recent period. The results of testing of each of the three periods are summarized on Table 5 for constituents where statistically significant trends (upward or downward) were identified for the overall shutdown period and then for additional testing where statistically significant upward trends were identified.

Appendix G includes plots of the data and best-fit slopes, with positive slopes indicating upward trends and negative slopes indicating downward trends. The Mann-Kendall comparisons (calculated values and critical values) for each test are detailed in the output tables in the back of Appendix G. As shown on Table 5, the trend analysis for the post-shutdown period identified 13 significant trends, including eight downward trends at wells MW-11, MW-107, and MW-111, compared to only five upward trends: all at well MW-108.

For the purposes of the trend evaluation, statistically significant decreasing trends are not discussed in detail, but are noteworthy. For example, the decreasing trends observed at WTU wells MW-11, MW-107 and MW-111 during the post-shutdown period demonstrate continued improvement in site conditions since completion of the major remedial actions at the Site.

The only statistically significant increasing trends identified occur at on-site WTU Well MW-108. Of the increasing overall post-shutdown trends identified at MW-108, none have significant increasing trends over the Recent Post-Shutdown period of groundwater monitoring (i.e., 2010 – 2019). As shown in Appendix G and Table 5, most trends (statistically significant or not) are downward for the overall post-shutdown period.

The significant increasing trends and the time periods for which the increasing trends were identified include:

| | |
|---|---|
| MW-108: | 1,1-Dichloroethane (Overall and Early Shutdown) |
| | Benzene (Overall and Early Shutdown) |
| | cis-1,2-Dichloroethene (Overall and Early Shutdown) |
| | trans-1,2-Dichloroethene (Overall and Early Shutdown) |
| | Vinyl Chloride (Overall and Early Shutdown) |

As shown on the time series plots in Appendix D for results collected since 1994, upward trends or shifts in parameter concentrations for MW-11, MW-107, and MW-111 have also occurred, but primarily between 2002 and 2005, when the groundwater extraction system was operational (pre-shutdown), and have remained steady or declined since the system was shut down in 2005. Significant upward trends during both the pre- and post-shut down monitoring periods only have occurred at MW-108, and those trends have stabilized or decreased in recent years. The significant trends in the parameter concentrations at MW-108 (1,1-Dichloroethane, 1,2-Dichloroehene, Benzene, cis-1,2-Dichloroethene and Vinyl Chloride) began to increase between 2003 and 2004 and continued to increase through 2014. Over the past several years, however, those trends have begun to diminish or decrease. The detection of parameters at current levels in well MW-108 is not unexpected based on the location within the eastern interior of the Site and the proximity of its screened interval to the past placement of waste at the Site. Nonetheless, the WTU horizon has not exhibited a strong potential to facilitate contaminant transport to lower units or to off-site areas, which was confirmed by the results from the April 2019 monitoring event.

The results of the trend testing of the water quality data demonstrates that shutdown of the groundwater extraction system has not resulted in sustained worsening conditions or transport of contaminants to off-site areas.

## SURFACE WATER AND SEDIMENT MONITORING

Surface water and sediment samples were collected from the pond located at the confluence of the south and east drainage ditches in April 2019. A summary table of the results is presented on Table 2B and the laboratory analytical data reports are provided in Appendix H. The surface water results show that only one very low level of cis-1,2-Dichloroethene (1.6 ug/L) was detected above a practical quantitation limits (PQL).

Consistent with previous results, the sediment samples included multiple detections of semivolatile organic compounds (SVOCs) comprised of polycyclic aromatic hydrocarbons (PAHs) interpreted to be associated with past coal-mining activities. Constituent detections in the sediment samples included: 2-Methylnaphthalene, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (a) fluoranthene, Benzo (g,h,i) perylene, Chrysene, Dibenzofuran, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, and Pyrene. All constituents detected in in the sediment sample in April 2019 are regularly detected in sediment samples collected in the off-site ditch.

Based on the results of the surface water and sediment samples from the April 2019 sampling event, there are no significant influences on surface water or sediment quality as the result of the Site.

## RESIDENTIAL WELLS AND NON-POTABLE SUPPLY WELL

Three residential wells (Lindberg-formerly Carver, Duly, and Oyster) located east of the Site were sampled on April 10, 2019. A summary of the results is presented on Table 2C and the laboratory analytical report from the residential well sampling event is included in Appendix I. None of the parameters sampled, which included the SSIPL VOCs and bis (2-Ethylhexyl) phthalate, were detected in the residential well samples at or above any practical quantitation limit (PQL). One low level estimated result for bis (2-Ethylhexyl) phthalate was detected in one of the residential wells (Lindberg). Sporadic low-level detections of bis (2-Ethylhexyl) phthalate, which is a common laboratory contaminant, in groundwater are not uncommon for the project, including at background and sidegradient locations. It is noted that bis (2-Ethyhexyl) phthalate was not

detected in any monitoring well during the 2019 event. The results demonstrate that there has been no migration of facility-derived constituents to the residential wells.

The non-potable supply well located at the northeast corner of the Site was sampled and analyzed for all TCL/TAL parameters included in the list analyzed for the monitoring wells. The non-potable well is installed through and below the Upper Sharon Unit and was sampled from a hose connected to the top of the water system's pressure tank located in the utility room of the main office/treatment building. Only Sodium (450 mg/L) was detected at or above a PQL in the sample. Low level estimated detections below the PQL were reported for Barium (0.1 mg/L), Calcium (2.1 mg/L), Copper (0.015 mg/L), Iron (0.1 mg/L), Magnesium (0.85 mg/L), Manganese (0.0035 mg/L), Nickel (0.0049 mg/L), Potassium (2.9 mg/L), and Zinc (0.04 mg/L). The presence of each constituent can be attributed to natural water quality or to the connected plumbing system (e.g., copper, nickel, and zinc). No TCL/TAL VOCs or SVOCs were detected in the non-potable supply well.

## DISCUSSION

The groundwater quality evaluations presented in this report demonstrate that constituents that are detected at the Site at most wells are present at levels that are either stable or decreasing over time. Well MW-108 is the only well where significant increasing trends were identified for the post-shutdown period. Of those trends, none have continued to increase significantly over the past 10 years. Well MW-108 is an interior WTU well that is downgradient and close to or within the former drum cleanup area at the Site. As shown on time-series plots for the well (Appendix D), increases in COPCs began shifting upward several years prior to shutdown of the groundwater extraction system and trends that continued for several years after the shutdown are interpreted to be unrelated to the shutdown; particularly with the more recent stable or decreasing trends observed at the well. The detections at MW-108 through the 2012-2014 timeframe also correlate with the slowly increasing water levels observed in the WTU following extraction system shutdown. Localized dissolution of COPCs from previously unsaturated materials in the vicinity of MW-108 is interpreted to have resulted in the increases observed through 2014. Nonetheless, downgradient and off-site wells continue to demonstrate that the extent of the area of elevated

COPCs in the vicinity of interior well MW-108 (and MW-107) is predominantly limited to on-site areas in the local groundwater regime.

Comparison of the April 2019 results to risk-based performance standards calculated for the event identified seven WTU wells (MW-11, MW-102, MW-103, MW-107, MW-108, MW-111, and MW-114) and one UIU well (MW-223) with Hazard Indexes (HI) that exceeded the limit of 1.0 (Table 4). However, the HI exceedances at five (MW-11, MW-102, MW-103, MW-111, and MW-114) of the seven WTU wells and the one UIU well only occurred because of the calculated Hazard Quotients (HQs) for Iron and/or Arsenic; not organic COPCs. The HI would not have been exceeded at those wells based on organic constituents alone. Iron and arsenic are naturally occurring in groundwater near the Site and varying reduction-oxidation (redox) conditions are interpreted to have the largest effect on the concentrations of those constituents observed during the event; including in background water-quality at WTU wells MW-102 (Iron) and MW-103 (Arsenic and Iron). Arsenic and Iron are not interpreted to have been "released" from the Site. In general, increased Iron and Arsenic levels are typically associated with more reducing conditions in groundwater and are sensitive to shifts in water quality associated with historic coal-mining activities on and near the Site. Mobilization of colloids containing Iron and Arsenic during purging and sampling may also contribute to the some of the Iron concentrations observed.

Trend analysis of post-shutdown groundwater monitoring results collected through April 2019 shows that contaminant concentrations no longer continue to increase significantly at any monitoring well, including interior on-site monitoring well MW-108 where the highest COPC concentrations are observed. VOCs, including 1,1-Dichloroethane, Benzene, 1,2-Dichloroethene, Trichloroethene, and Vinyl Chloride in MW-108 displayed increasing concentration trends as water levels rebounded following shutdown of the groundwater extraction system in 2005. However, over the past 10 years (i.e., 2010-2019), no VOCs have continued to increase significantly at the well and several VOCs have begun to decrease. The VOCs 1,1-Dichloroethane, 1,2-Dichloroethene, Benzene, and Vinyl Chloride, parameters once consistently increasing at MW-108, have now begun to stabilize or decrease.

The occurrence of 1,2-Dichloroethene (cis- and trans- isomers) and Vinyl Chloride, each degradation byproducts of the reductive dechlorination of Trichloroethene, continue to provide strong evidence that natural attenuation processes are effective at reducing contaminant mass in groundwater at the Site. Accordingly, groundwater monitoring results in off-site wells MW-4, MW-109, MW-110, and MW-113 downgradient of the area of elevated VOCs (i.e., MW-108) are generally free of VOCs.

The April 2019 monitoring results from the off-site sentinel wells (MW-114 and MW-115) continue to display no action-limit (MCL) exceedances off-site and support continuation of the current groundwater monitoring program. In the event MCLs are exceeded in off-site sentinel wells, contingency actions outlined in the Groundwater Monitoring Report for the April 2009 sampling event (CRA, September 2, 2009), as amended in the Responses to the OEPA January 6, 2010 Comments (CRA, March 26, 2010), are to be implemented and read 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."*

The VOC results from the April 2019 event at sentinel wells MW-114 and MW-115 were compared to their respective MCLs and the results are summarized on Table 6. Consistent with previous events, no MCL exceedances were observed in the sentinel wells for any VOC during the monitoring event; therefore, no contingency measures were necessary. In addition, no statistically

significant trends were identified for any COPC for any well outside of the Site boundary. Shutdown of the treatment system has not promoted the migration of contaminants to off-site areas and the contingency performance standards continue to be satisfied.

Also shown on Table 6 are comparisons between the VOC results from other wells in the WTU located downgradient of the Site (i.e., MW-4, MW-109, MW-110, MW-113, MW-116, MW-117, and MW-118). Consistent with the previous (2014) five-year results and subsequent annual SSIPL monitoring events, there were few low-level detections and no MCL exceedances observed for any VOC in any off-site well during the April 2019 event.

The majority of the TCL/TAL constituents analyzed during the event were not detected or displayed concentrations below their respective PQLs, had no statistically significant increasing trends identified, or were display declining trends, including at off-site downgradient monitoring wells. This also supports the conclusion that contamination in isolated areas on-site is being effectively attenuated within the Site boundary and is not migrating off-site.

Fourteen years without groundwater extraction (2005 to 2019) has had no significant effect on areas downgradient of the Site. Although elevated concentrations of some COPCs are present in interior on-site areas, primarily at monitoring wells MW-11, MW-107, MW-108, and MW-111 as expected, no statistically significant increasing trends in concentrations have been observed in those wells over the past 10 years or more. For those wells, there was an upward shift in VOC concentrations during the early- to mid-2000s that has not persisted since the last five-year event (2014). In most cases, the concentration trends observed following system shutdown in 2005 corresponded to rebounding in water-level elevations observed on-site in the WTU prior to 2014.

There were no significant changes in VOC or SVOC concentrations in the UIU during the 11 years of operating the extraction system or since its August 31, 2005 shutdown; confirming that there is no significant downward migration of VOCs from the WTU to the UIU. Low-level detections of 1,1-Dichloroethane (1.7 ug/L), 1,2-Dichloroethane (3 ug/L), and cis-1,2-Dichloroethene (1.7 ug/L), were reported for UIU well MW-223; however, these parameters have consistently been detected at low levels in MW-223 and have continued to display an overall

decrease in concentration over time. Decreasing VOC concentrations in this well and the absence of VOC detections in the other UIU wells demonstrate that downward migration of VOCs from the WTU to the UIU is not a significant concern at the Site.

Based on the lack of MCL exceedances or other significant impacts at the sentinel wells, the predominant stability of chemical concentrations in the on-site groundwater, and no indication of increasing concentrations or adverse impact to off-site groundwater, it is concluded that there is no basis to resume operation of the groundwater extraction and treatment system at this time. 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, potential resumption of the operation of the pipe and media drain system, or alternate measures to address the apparent migration away from the Site.

Surface water samples collected for TCL/TAL VOCs and SVOCs have recently displayed only very low-level (commonly estimated) detections of a few SSIPL VOCs. Therefore, consistent with the groundwater monitoring program, it is proposed that future annual surface water samples should only be analyzed annually for SSIPL constituents. Surface water samples collected during the five-year events should continue to be analyzed for the TCL/TAL VOCs and SVOCs.

Routine sampling of pond sediments outside the southeast corner of the site at the confluence of the eastern and southern ditches has continued since active waste removal activities were completed during the mid-1990s and has been performed annually in recent years. Results of the sediment analyses consistently only display detections of relatively immobile PAH compounds (SVOCs) presumed to be associated with historic coal-mining activities on and adjacent to the Site, not releases from the facility. Therefore, it is proposed that the sediment sampling should be discontinued.

## PROPOSED MONITORING SCHEDULE – 2020 THROUGH 2024

Based on the evaluation of the groundwater monitoring results provided in this report, it is recommended that groundwater level and quality monitoring continue according to the following schedule.

**Sampling Date, Monitoring Wells, and Analytical Parameter Group**

April-May 2020: Shutdown Wells - SSIPL VOCs
April-May 2021: Shutdown Wells - SSIPL VOCs
April-May 2022: Shutdown Wells - SSIPL VOCs
April-May 2023: Shutdown Wells - SSIPL VOCs
April-May 2024: WTU, UIU, LIU, and USU - TCL VOCs, TCL SVOCs, TAL Metals

The "shutdown wells" to be monitored annually until the next five-year event in 2024 are as follows:

1. WTU Wells:
   - On-site wells: MW-11, MW-107, MW-108, and MW-111
   - Off-site downgradient wells: MW-4 and MW-113; sentinel wells MW-114 and MW-115
   - In response to Ohio EPA's November 29, 2018 request: Off-site well MW-109

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

In addition to the above groundwater sampling activities, it is proposed that a surface water sample will be collected annually from the confluence of the south and east drainage ditches and

analyzed for the SSIPL VOCs. The surface water sample collected during the next five-year event in 2024 would then be analyzed for TCL/TAL VOCs and SVOCs.

It is proposed that sampling of ditch sediment in the vicinity of the surface water sampling location will be discontinued moving forward as long as maintenance and monitoring continue as the active remedies employed at the Site.

The designated residential well samples will be collected during the next five-year event in 2024 and will be analyzed for SSIPL VOCs. It is proposed that the residential wells should no longer be routinely analyzed for bis (2-ethylhexyl) phthalate. Bis (2-ethylhexyl phthalate is sporadically detected in groundwater samples throughout the area, including in background wells located upgradient and sidegradient of the Site and is not associated with SNSS activities.

## PROPOSED SITE-SPECIFIC INDICATOR PARAMETER LIST (2020-2023)

Included on Table 7 is a summary of the number of groundwater samples, number of times each compound has been detected both for the duration of the project and in 2019 only, and the maximum detected concentrations for the WTU, UIU, LIU, and USU from 1994 to 2019. Based on a review of the detected compounds in the April 2019 groundwater samples and the compounds typically monitored to determine the occurrence of natural attenuation in groundwater, no changes to the 2015 to 2018 SSIPL are proposed at this time. Therefore, the following SSIPL is proposed for the next four years of groundwater monitoring; i.e., 2020 through 2023.

SSIPL VOCs

| | |
|---|---|
| *1,1,1-Trichloroethane* | *Chloroethane* |
| *1,1-Dichloroethane* | *Chlorobenzene* |
| *1,2-Dichloroethane* | *Ethylbenzene* |
| *cis-l,2-Dichloroethene* | *Toluene* |
| *trans-1,2-Dichloroethene* | *Trichloroethene* |
| *Acetone* | *Vinyl Chloride* |
| *Benzene* | *Xylenes (total)* |

## INSTITUTIONAL CONTROLS – ANNUAL CERTIFICATION

SNFT received U.S. EPA's Fifth Five-Year Review Report (Report) on July 13, 2018. U.S. EPA noted in the Report that the components of the required Institutional Controls (ICs) had been implemented and all that remained was to ensure regular inspections of ICs at the Site. The implemented IC components included mapping and title work and development of an Environmental Covenant (EC). SNFT cooperated with the United States Department of Justice to appoint a receiver to execute an EC on the Vasi property that is the Site. The receiver was appointed by federal district court and the EC was executed and recorded with the Portage County Recorder on June 5, 2013. The EC, based upon Ohio's Uniform Environmental Covenants Act, further secures activity and use limitations on the Site, grants EPA and the settling defendants access to the Site for the purpose of conducting any activity related to the Decree, and specifies that such requirements shall "run with the land" and, hence, be binding upon any future owner of the Site. U.S. EPA determined that ICs could be implemented and a formal IC Plan was not necessary.

To address the need to conduct regular inspections of ICs at the Site, SNFT responded to U.S. EPA on September 24, 2013 of its intent to monitor the effectiveness of the Site's ICs. SNFT proposed that inspections of the ICs at the Site will be conducted on a quarterly basis and initiated in October 2013. On-site ICs pertain to monitoring use of land, groundwater, and surface water, along with the Site's remedial components. Inspections, including observations regarding changes in land use, surface water or groundwater use, or any inconsistent uses of the property, are recorded on the Quarterly Institutional Controls Inspection Report and maintained on-site by the SNFT. The inspections indicate there were no changes during 2019.

Through submission of this 2019 groundwater monitoring report for the annual monitoring event completed in April 2019, the SNFT certifies that the Institutional Controls are in place and effective.

## SUMMARY

The results of the five-year groundwater monitoring event completed in April 2019 at the Summit National Superfund Site demonstrate that no significant changes of COPC or SSIPL constituent concentrations have occurred off-site since the cessation of pump-and-treat operations in August 2005. The results also demonstrated general improvement in groundwater quality conditions onsite. Corrective measures previously implemented and natural attenuation processes continue to effectively prevent detrimental impacts to off-site areas, including those areas downgradient of the Site and in the vicinity of nearby residential water-supply wells.

Performance standard exceedances observed at some wells in 2019 were not accompanied by off-site MCL exceedances of SSIPL constituents and were largely the result of hazard quotients associated with the naturally occurring inorganic constituents Arsenic and Iron, which are sensitive to impacts from historic coal-mining activities in the vicinity of the Site, not constituents released by past waste management practices at the facility. Therefore, additional contingency measures or a restart of the collection system are not warranted.

No changes to the SSIPL analyzed during annual monitoring activities are proposed at this time and groundwater monitoring should continue for the next five-year period; i.e., for 2020 through 2023.

It is proposed herein that annual surface water samples should be analyzed for the SSIPL VOCs. Every five years, the samples of surface water should be analyzed for the TCL/TAL VOCs and SVOCs.

It is proposed that sediment sampling at the southeast confluence of the south and east ditches should be discontinued moving forward as long as routine maintenance and monitoring continue as the active remedies for the Site. Sediment sampling was originally performed while active excavation and groundwater extraction activities were being conducted. At present, unlike during past remedial efforts at the Site, no onsite activities have the potential to mobilize suspended

material impacted by site-derived constituents into runoff that would have the potential to settle into the ditch sediments.

In response to Ohio EPA's November 29, 2018 request, it is proposed that WTU monitoring well MW-109 should be added to the list of wells evaluated during the annual monitoring events between five-year monitoring events.

The next scheduled sampling event (annual SSIPL event) is tentatively scheduled for April 2020. The next five-year sampling event is scheduled for spring 2024.

## REFERENCES


Consent Decree, United States v. John Vasi, et al., State of Ohio v. Donald Georgeoff, et al. (Civil Action No. C81-1961, filed May 1, 1991).

Ohio EPA, November 2, 1990. Record of Decision (EPA/ROD/R05-91/154).

Ohio EPA, April 28, 2010. Response to the 2009 Groundwater Monitoring Report

US EPA, July 13, 2018. Fifth Five-Year Review Report for Summit National Superfund Site

Ohio EPA, November 29, 2018. Review of the 2018 Annual Monitoring Event Report

**Previous shutdown evaluation reports submitted to OEPA include the following:**

CRA, December 20, 2005. August 2005 Pre-Shutdown Groundwater Monitoring Report.

CRA, June 6, 2006. Six-Month Groundwater Conditions Monitoring Report.

CRA, January 19, 2007. August 2006 Groundwater Monitoring Report.

CRA, July 23, 2007. April 2007 Groundwater Monitoring Report.

CRA, February 6, 2008. November 2007 Groundwater Monitoring Report.

CRA, July 18, 2008. April 2008 Groundwater Monitoring Report.

CRA, March 2, 2009. November 2008 Groundwater Monitoring Report.

CRA, September 2, 2009. April 2009 Groundwater Monitoring Report

CRA, 2010-2013. Annual Groundwater Monitoring Reports

Eagon, October 31, 2014. May 2014 Five-Year Ground-Water Monitoring Report

Eagon, October 12, 2015. April 2015 Annual Monitoring Event Results

Eagon, October14, 2016. April 2016 Annual Monitoring Event Results

Eagon, October 26, 2017. 2017 Annual Monitoring Results

Eagon, October 31, 2018. 2018 Annual Monitoring Results

# FIGURES

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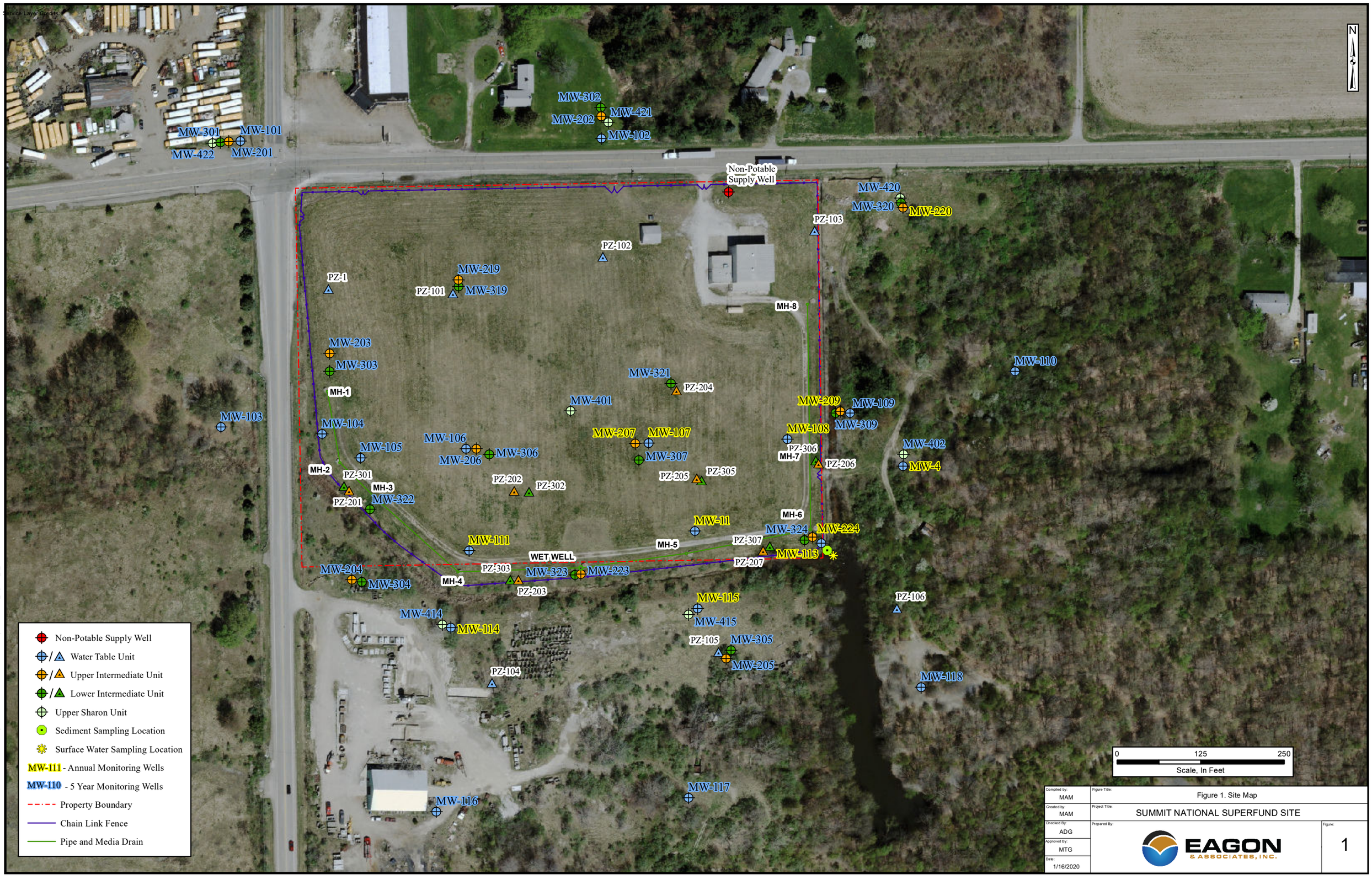


- Non-Potable Supply Well
- Water Table Unit / Upper Intermediate Unit / Lower Intermediate Unit
- Upper Sharon Unit
- Sediment Sampling Location
- Surface Water Sampling Location
- MW-111 - Annual Monitoring Wells
- MW-110 - 5 Year Monitoring Wells
- Property Boundary
- Chain Link Fence
- Pipe and Media Drain

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| Created by: MAM | Project Title: SUMMIT NATIONAL SUPERFUND SITE |
| Checked By: ADG | Prepared By: EAGON & ASSOCIATES, INC. |
| Approved By: MTG | Figure: 1 |
| Date: 1/16/2020 | |

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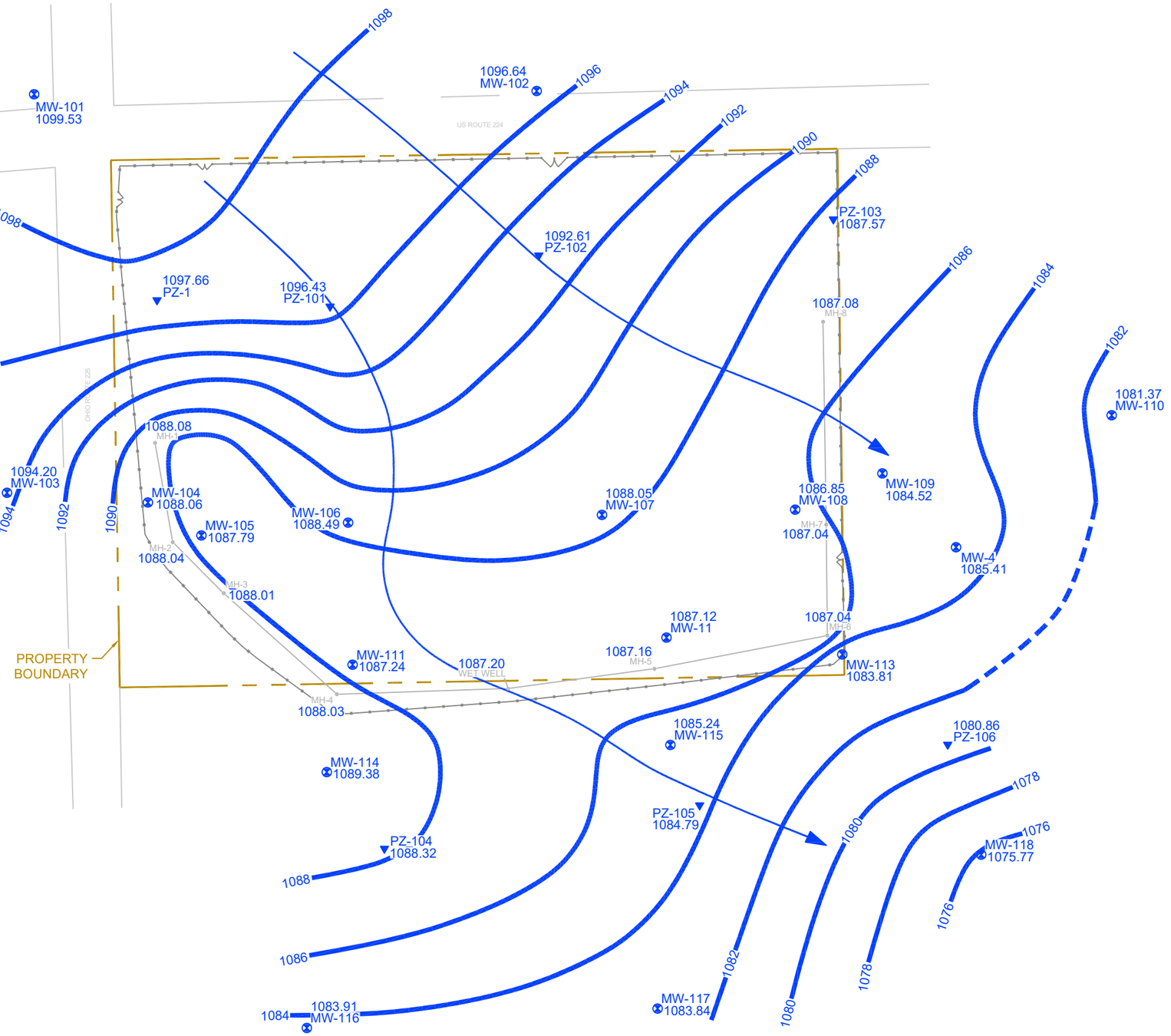


## LEGEND

- MONITORING WELL
- PIEZOMETER
- MEDIA DRAIN MANHOLES
- 1090 — GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

SCALE IN FEET

0 125 250

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| DRAFTED BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE |
| CHECKED BY: MTG | PREPARED BY: EAGON & ASSOCIATES, INC. |
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| DATE: 6/25/2019 | |

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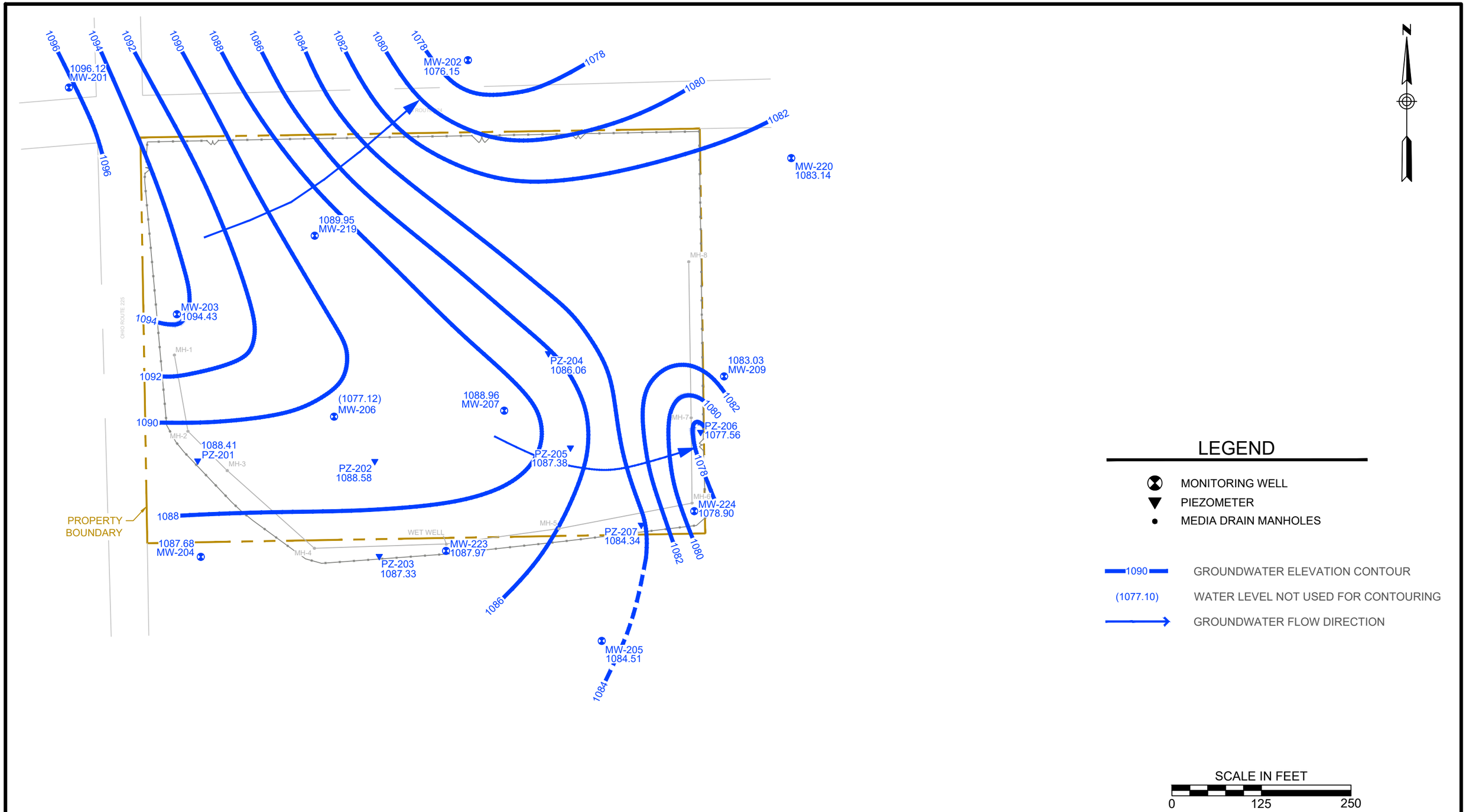


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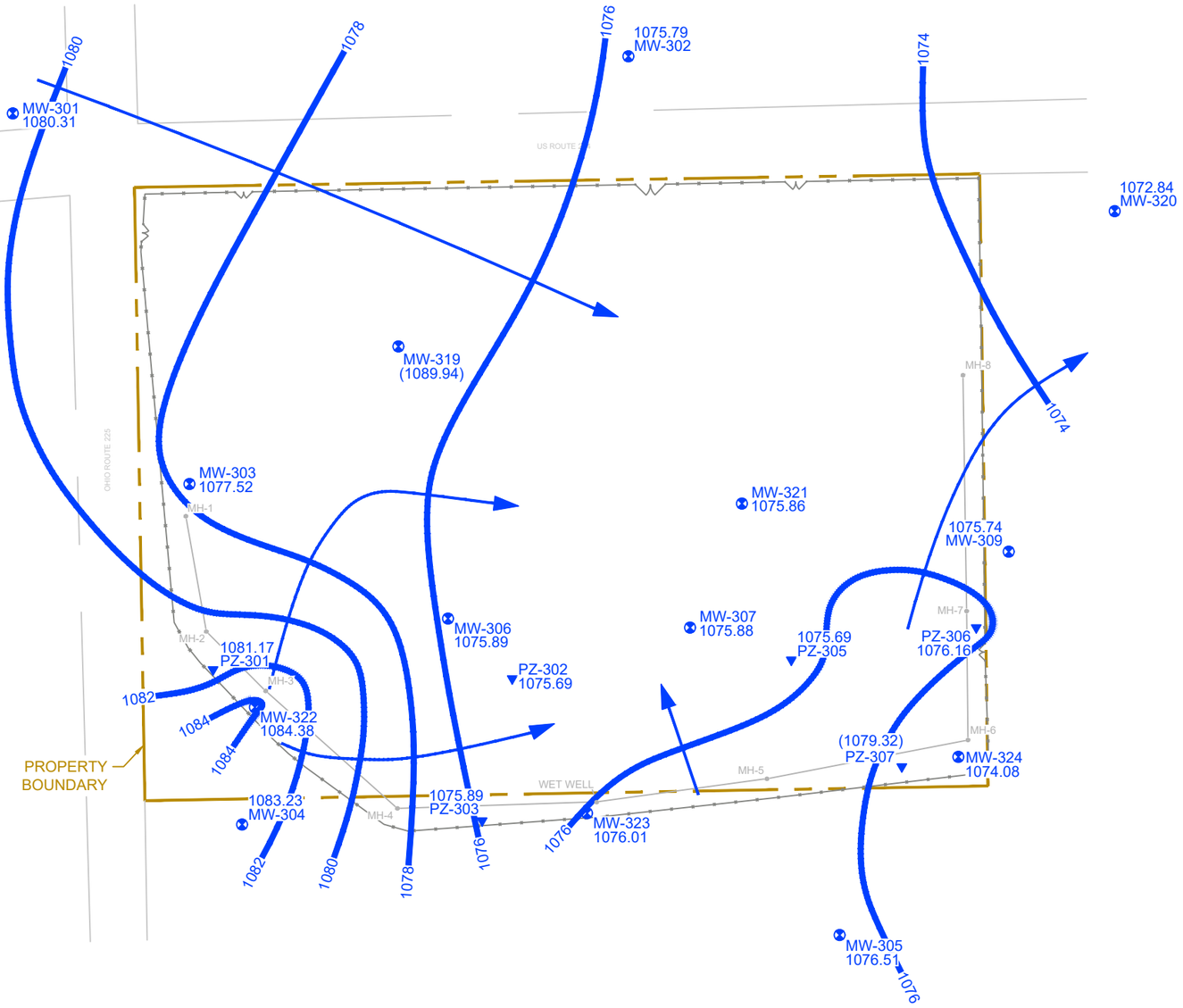


## LEGEND

- MONITORING WELL
- PIEZOMETER
- MEDIA DRAIN MANHOLES

1090 — GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

(1077.10) WATER LEVEL NOT USED FOR CONTOURING

SCALE IN FEET

0 125 250

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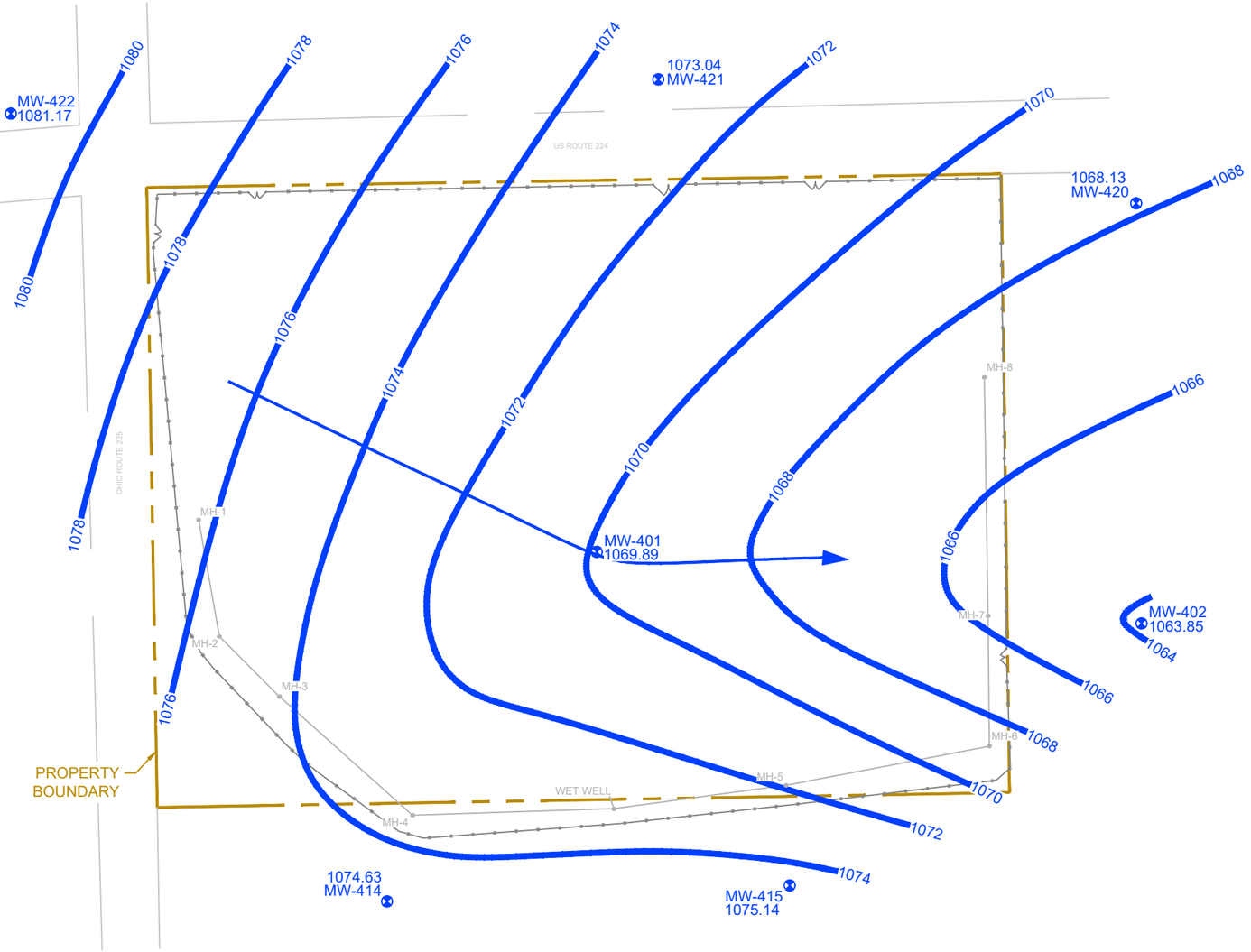


## LEGEND

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

SCALE IN FEET

0 125 250

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# TABLES

**TABLE 1.**
**SUMMARY OF WATER-LEVEL & TOTAL WELL DEPTH MEASUREMENTS**
**APRIL 8, 2019**
**SUMMIT NATIONAL SUPERFUND SITE**

| 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 | 1315 | 5.68 | 1085.41 | 24.65 | |
| MW-11 | 1095.93 | 1035 | 8.81 | 1087.12 | 26.50 | |
| MW-101 | 1107.57 | 1500 | 8.04 | 1099.53 | 24.32 | |
| MW-102 | 1100.17 | 1422 | 3.53 | 1096.64 | 21.15 | |
| MW-103 | 1096.22 | 1410 | 2.02 | 1094.2 | 19.96 | |
| MW-104 | 1099.81 | 1123 | 11.75 | 1088.06 | 30.02 | |
| MW-105 | 1101.32 | 1120 | 13.53 | 1087.79 | 29.14 | |
| MW-106 | 1102.88 | 1312 | 14.39 | 1088.49 | 35.07 | |
| MW-107 | 1098.27 | 1345 | 10.22 | 1088.05 | 30.83 | |
| MW-108 | 1091.96 | 1411 | 5.11 | 1086.85 | 18.38 | |
| MW-109 | 1087.42 | 1328 | 2.9 | 1084.52 | 10.71 | |
| MW-110 | 1086.87 | 1243 | 5.5 | 1081.37 | 15.29 | |
| MW-111 | 1099.67 | 1101 | 12.43 | 1087.24 | 29.20 | |
| MW-113 | 1088.46 | 1018 | 4.65 | 1083.81 | 16.53 | |
| MW-114 | 1097.27 | 1500 | 7.89 | 1089.38 | 21.66 | |
| MW-115 | 1101.83 | 1423 | 16.59 | 1085.24 | 40.81 | |
| MW-116 | 1105.54 | 1452 | 21.57 | 1083.97 | 26.53 | |
| MW-117 | 1123.97 | 1446 | 40.13 | 1083.84 | 60.86 | |
| MW-118 | 1098.38 | 1350 | 22.61 | 1075.77 | 37.25 | |
| PZ-1 | 1104.43 | 1150 | 6.77 | 1097.66 | 18.65 | |
| PZ-101 | 1108.53 | 1107 | 12.1 | 1096.43 | 32.83 | |
| PZ-102 | 1100.21 | 1327 | 7.6 | 1092.61 | 27.13 | |
| PZ-103 | 1093.98 | 938 | 6.41 | 1087.57 | 19.72 | |
| PZ-104 | 1097.54 | 1506 | 9.22 | 1088.32 | 25.72 | |
| PZ-105 | 1101.60 | 1434 | 16.81 | 1084.79 | 41.11 | |
| PZ-106 | 1102.23 | 1346 | 21.37 | 1080.86 | 34.18 | |

**TABLE 1.**
**SUMMARY OF WATER-LEVEL & TOTAL WELL DEPTH MEASUREMENTS**
**APRIL 8, 2019**
**SUMMIT NATIONAL SUPERFUND SITE**

| 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 | 1251 | 14.7 | 1088.08 | -- | |
| MH-2 | 1101.04 | 1249 | 13 | 1088.04 | -- | |
| MH-3 | 1100.95 | 1245 | 12.94 | 1088.01 | -- | |
| MH-4 | 1100.05 | 1245 | 12.02 | 1088.03 | -- | |
| MH-5 | 1095.68 | 1236 | 8.52 | 1087.16 | -- | |
| MH-6 | 1088.64 | 1003 | 1.6 | 1087.04 | -- | |
| MH-7 | 1089.29 | 948 | 2.14 | 1087.15 | -- | |
| MH-8 | 1089.23 | 935 | 2.15 | 1087.08 | -- | |
| Wet Well | 1098.86 | 1241 | 11.66 | 1087.20 | -- | |
| **Upper Intermediate Unit (UIU) Monitoring Wells and Piezometers** | | | | | | |
| MW-201 | 1107.52 | 1456 | 11.4 | 1096.12 | 63.29 | |
| MW-202 | 1099.50 | 1432 | 23.35 | 1076.15 | 50.10 | |
| MW-203 | 1103.35 | 1144 | 8.92 | 1094.43 | 54.08 | |
| MW-204 | 1098.01 | 1508 | 10.33 | 1087.68 | 46.52 | |
| MW-205 | 1100.90 | 1440 | 16.39 | 1084.51 | 53.21 | |
| MW-206 | 1103.22 | 1308 | 26.1 | 1077.12 | 63.57 | |
| MW-207 | 1098.51 | 1341 | 9.55 | 1088.96 | 49.63 | |
| MW-209 | 1087.66 | 1331 | 4.63 | 1083.03 | 37.76 | |
| MW-219 | 1108.24 | 1203 | 18.29 | 1089.95 | 62.89 | |
| MW-220 | 1090.92 | 1255 | 7.78 | 1083.14 | 38.75 | |
| MW-223 | 1098.37 | 1047 | 10.4 | 1087.97 | 45.55 | |
| MW-224 | 1089.41 | 1005 | 10.51 | 1078.90 | 36.03 | |
| PZ-201 | 1099.74 | 1110 | 11.33 | 1088.41 | 47.03 | |
| PZ-202 | 1101.56 | 1258 | 12.98 | 1088.58 | 54.98 | |
| PZ-203 | 1098.31 | 1052 | 10.98 | 1087.33 | 10.65 | |
| PZ-204 | 1095.41 | 1337 | 9.35 | 1086.06 | 50.04 | |
| PZ-205 | 1096.63 | 1357 | 9.25 | 1087.38 | 42.65 | |
| PZ-206 | 1088.05 | 956 | 10.49 | 1077.56 | 39.12 | |
| PZ-207 | 1091.36 | 1027 | 7.02 | 1084.34 | 38.95 | |

**TABLE 1.**
**SUMMARY OF WATER-LEVEL & TOTAL WELL DEPTH MEASUREMENTS**
**APRIL 8, 2019**
**SUMMIT NATIONAL SUPERFUND SITE**

| 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 |
|---|---|---|---|---|---|---|
| **Lower Intermediate Unit (LIU) Monitoring Wells and Piezometers** | | | | | | |
| MW-301 | 1107.91 | 1452 | 27.6 | 1080.31 | 81.09 | |
| MW-302 | 1100.39 | 1438 | 24.6 | 1075.79 | 78.20 | |
| MW-303 | 1103.15 | 1139 | 25.63 | 1077.52 | 69.28 | |
| MW-304 | 1097.73 | 1517 | 14.5 | 1083.23 | 72.38 | |
| MW-305 | 1101.22 | 1436 | 24.71 | 1076.51 | 67.94 | |
| MW-306 | 1103.14 | 1303 | 27.25 | 1075.89 | 93.00 | |
| MW-307 | 1098.83 | 1350 | 22.95 | 1075.88 | 74.23 | |
| MW-309 | 1087.81 | 1333 | 12.07 | 1075.74 | 60.21 | |
| MW-319 | 1108.07 | 1156 | 18.13 | 1089.94 | 76.15 | |
| MW-320 | 1091.14 | 1255 | 18.3 | 1072.84 | 100.98 | |
| MW-321 | 1095.32 | 1333 | 19.46 | 1075.86 | 69.26 | |
| MW-322 | 1098.88 | 1105 | 14.5 | 1084.38 | 70.78 | |
| MW-323 | 1097.51 | 1042 | 21.5 | 1076.01 | 84.25 | |
| MW-324 | 1089.39 | 1012 | 15.31 | 1074.08 | 89.08 | |
| PZ-301 | 1100.07 | 1115 | 18.3 | 1081.77 | 69.43 | |
| PZ-302 | 1101.25 | 1254 | 25.56 | 1075.69 | 72.70 | |
| PZ-303 | 1098.39 | 1057 | 22.5 | 1075.89 | 81.84 | |
| PZ-305 | 1096.49 | 1404 | 20.8 | 1075.69 | 59.62 | |
| PZ-306 | 1088.35 | 950 | 12.19 | 1076.16 | 99.73 | |
| PZ-307 | 1091.40 | 1023 | 12.08 | 1079.32 | 71.66 | |
| **Upper Sharon Unit (USU) Monitoring Wells and Piezometers** | | | | | | |
| MW-401 | 1099.75 | 1320 | 29.86 | 1069.89 | 141.91 | |
| MW-402 | 1089.90 | 1312 | 26.05 | 1063.85 | 131.5 | |
| MW-414 | 1096.99 | 1503 | 22.36 | 1074.63 | 103.5 | |
| MW-415 | 1102.25 | 1419 | 27.11 | 1075.14 | 89.3 | |
| MW-420 | 1091.66 | 1258 | 23.53 | 1068.13 | 131.35 | |
| MW-421 | 1099.93 | 1427 | 26.89 | 1073.04 | 104.08 | |
| MW-422 | 1107.38 | 1448 | 26.21 | 1081.17 | 111.4 | |
| Non-Pot. Well | 1099.34 | 1541 | 108.11 | 991.23 | -- | Pump Running |

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-4 4/10/2019 Result | Dup #3 4/10/2019 Result | MW-11 4/12/2019 Result | MW-101 (bg) 4/10/2019 Result | Dup #1 4/10/2019 Result | MW-102 (bg) 4/9/2019 Result | MW-103 (bg) 4/11/2019 Result | MW-104 4/11/2019 Result | MW-105 4/10/2019 Result | Dup #4 4/10/2019 Result | MW-106 4/11/2019 Result | MW-107 4/12/2019 Result | MW-108 4/12/2019 Result | MW-109 4/11/2019 Result | MW-110 4/12/2019 Result | MW-111 4/12/2019 Result | MW-113 4/9/2019 Result | MW-114 4/11/2019 Result | MW-115 4/10/2019 Result | MW-116 4/10/2019 Result | MW-117 4/10/2019 Result | Dup #2 4/10/2019 Result | MW-118 4/11/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | J 73 | < 200 | < 200 | < 200 | < 200 | 610 | J 85 | < 200 | 280 | 270 | < 200 | < 200 | < 200 | < 200 | < 200 | J 150 | 550 | 200 | J 100 | J 64 | < 200 | < 200 | 250 |
| Antimony | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Arsenic (c) | < 15 | < 15 | < 15 | J 5.2 | J 6.4 | < 15 | 30 | < 15 | J 13 | J 11 | < 15 | 44 | 22 | < 15 | < 15 | J 12 | J 7.9 | 38 | < 15 | < 15 | < 15 | < 15 | < 15 |
| Barium | J 18 | J 13 | J 10 | J 6.9 | J 6.8 | J 8.3 | J 9.6 | J 41 | J 20 | J 21 | J 5.4 | 420 | J 45 | J 8.3 | J 40 | J 8.6 | J 15 | J 13 | J 9.7 | J 7 | J 5.6 | J 6 | J 12 |
| Beryllium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | J 1 | J 1.1 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Cadmium | J 0.67 | J 0.5 | J 0.23 | J 0.6 | J 0.67 | J 0.83 | < 5 | < 5 | < 5 | < 5 | J 0.24 | < 5 | < 5 | J 0.32 | < 5 | J 0.2 | J 0.81 | < 5 | J 0.4 | J 0.8 | J 0.51 | J 0.59 | < 5 |
| Calcium | 360000 | 330000 | 300000 | 270000 | 270000 | 220000 | 270000 | 190000 | 280000 | 290000 | 350000 | 170000 | 170000 | 430000 | 100000 | 450000 | 520000 | 400000 | 270000 | 490000 | 420000 | 440000 | 270000 |
| Chromium | J 0.71 | < 10 | J 1.2 | J 6.3 | J 2.7 | J 2.2 | J 2.1 | J 1.8 | J 9.5 | J 9.1 | J 3 | 12 | J 3.5 | J 1.5 | 5.6 | J 3.4 | J 2.9 | J 2.7 | 39 | J 7.6 | J 7.6 | 12 | 27 |
| Cobalt | 28 | 14 | J 2.5 | 43 | 44 | 26 | < 10 | < 10 | J 6.8 | J 7.2 | J 0.88 | J 2 | J 2.4 | 55 | < 10 | J 3 | J 2.1 | 15 | < 10 | < 10 | J 1.9 | J 2.3 | J 4 |
| Copper | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | J 7.3 | < 25 | < 25 | J 3.5 | < 25 | J 3.5 | < 25 | J 3.8 | J 4.6 | < 25 | < 25 | < 25 | J 4.8 |
| Iron (c) | 4400 | 2800 | 3400 | 25000 | 26000 | 89000 | 8500 | 15000 | 23000 | 23000 | 5500 | 460 | 35000 | 1100 | 260 | 140000 | 1800 | 61000 | 5800 | J 230 | 5200 | 6000 | 5500 |
| Lead (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Magnesium | 200000 | 180000 | 68000 | 130000 | 130000 | 110000 | 67000 | 44000 | 95000 | 100000 | 130000 | 85000 | 49000 | 200000 | 25000 | 130000 | 230000 | 24000 | 55000 | 600000 | 110000 | 120000 | 91000 |
| Manganese | 2700 | 1400 | 2100 | 5200 | 5300 | 1500 | 1600 | 1400 | 4400 | 4700 | 890 | 410 | 1300 | 5400 | 110 | 3200 | 6000 | 1300 | 360 | 420 | 3900 | 4100 | 4700 |
| Nickel | J 8.2 | J 5.4 | J 4.3 | 85 | 82 | 59 | J 4 | J 4.7 | J 28 | J 29 | J 11 | J 9.9 | J 5.8 | 120 | J 5.1 | J 12 | J 18 | J 25 | J 31 | J 7.5 | J 37 | 43 | J 26 |
| Potassium | 6100 | 5600 | 5100 | 6000 | 6100 | 5700 | J 2800 | J 3800 | 8800 | 9300 | 11000 | 7500 | J 4400 | J 2400 | J 1400 | 8900 | 6700 | 23000 | 5500 | 15000 | 13000 | 13000 | 6200 |
| Selenium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Silver | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Sodium | 17000 | 15000 | 40000 | 33000 | 33000 | 33000 | 33000 | 590000 | 180000 | 180000 | 47000 | 130000 | 70000 | 9800 | J 3800 | 80000 | 160000 | 66000 | 65000 | 230000 | 45000 | 47000 | 69000 |
| Thallium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | J 2.9 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Vanadium | J 5.9 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Zinc | < 50 | < 50 | J 16 | 140 | 140 | 190 | < 50 | < 50 | J 48 | 51 | < 50 | < 50 | < 50 | J 44 | < 50 | < 50 | < 50 | 100 | < 50 | < 50 | J 20 | J 22 | < 50 |
| Mercury | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| 1,1,1-Trichloroethane | < 1 | < 1 | 11 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | J 0.89 | J 3.2 | 2.3 | < 1 | < 1 | J 0.8 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 | < 1 | J 0.2 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | J 3.4 | J 0.37 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | 56 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.1 | 690 | 330 | < 1 | < 1 | 28 | < 1 | < 1 | 1.4 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethene (c) | < 1 | < 1 | J 0.73 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | 3.2 | < 1 | < 1 | J 0.4 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethene (c) | < 1 | < 1 | J 0.9 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | J 0.69 | 17 | 44 | < 1 | < 1 | 88 | < 1 | < 1 | J 0.37 | < 1 | < 1 | < 1 | 2.2 |
| 1,2-Dichloroethene [total] | < 2 | < 2 | 30 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 20 | 250 | < 2 | < 2 | 6.4 | < 2 | < 2 | 5.7 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichloropropane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 100 | < 13 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Hexanone | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 100 | < 13 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 100 | < 13 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Acetone (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 100 | < 13 | < 10 | < 10 | < 10 | J 6.5 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Benzene (c) | < 1 | < 1 | J 0.25 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 89 | 140 | < 1 | < 1 | J 0.18 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromodichloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromoform (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromomethane [Methyl bromide] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon disulfide | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon tetrachloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chlorobenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | J 0.29 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 390 | < 1.3 | < 1 | < 1 | 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-4 4/10/2019 Result | Dup #3 4/10/2019 Result | MW-11 4/12/2019 Result | MW-101 (bg) 4/10/2019 Result | Dup #1 4/10/2019 Result | MW-102 (bg) 4/9/2019 Result | MW-103 (bg) 4/11/2019 Result | MW-104 4/11/2019 Result | MW-105 4/10/2019 Result | Dup #4 4/10/2019 Result | MW-106 4/11/2019 Result | MW-107 4/12/2019 Result | MW-108 4/12/2019 Result | MW-109 4/11/2019 Result | MW-110 4/12/2019 Result | MW-111 4/12/2019 Result | MW-113 4/9/2019 Result | MW-114 4/11/2019 Result | MW-115 4/10/2019 Result | MW-116 4/10/2019 Result | MW-117 4/10/2019 Result | Dup #2 4/10/2019 Result | MW-118 4/11/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform [Trichloromethane] (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloromethane [Methyl chloride] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,2-Dichloroethene | < 1 | < 1 | 29 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | 240 | < 1 | < 1 | 6.2 | < 1 | < 1 | 5.7 | < 1 | < 1 | < 1 | < 1 |
| cis-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Dibromochloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Ethylbenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 940 | J 0.37 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Methylene chloride (c) | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 50 | < 6.3 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Styrene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Tetrachloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Toluene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 3000 | J 0.81 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | J 0.8 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | J 6.3 | < 1 | < 1 | J 0.2 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | < 1.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | 31 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 10 | 23 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Vinyl chloride (c) | < 1 | < 1 | 3.2 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 98 | < 1 | < 1 | 8.9 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | 3300 | J 0.64 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | 1.3 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Acenaphthylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Anthracene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[b]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[g,h,i]perylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[k]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| bis[2-Chloroethoxy]methane | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Chloroethyl]ether (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Butyl benzylphthalate [BBP] (c) | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Carbazole | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Chrysene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenz[a,h]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenzofuran | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Diethyl phthalate | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | J 3.4 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Dimethyl phthalate | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Di-n-butylphthalate [DBP] | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Di-n-octyl phthalate [DnOP] | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Hexachlorobutadiene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Indeno[1,2,3-cd]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Isophorone (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | 2.8 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2,4-Trichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,3-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,2`-Oxybis[1-chloropropane] [bis[2-Chloroisopropyl] ether] (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-4 4/10/2019 Result | Dup #3 4/10/2019 Result | MW-11 4/12/2019 Result | MW-101 (bg) 4/10/2019 Result | Dup #1 4/10/2019 Result | MW-102 (bg) 4/9/2019 Result | MW-103 (bg) 4/11/2019 Result | MW-104 4/11/2019 Result | MW-105 4/10/2019 Result | Dup #4 4/10/2019 Result | MW-106 4/11/2019 Result | MW-107 4/12/2019 Result | MW-108 4/12/2019 Result | MW-109 4/11/2019 Result | MW-110 4/12/2019 Result | MW-111 4/12/2019 Result | MW-113 4/9/2019 Result | MW-114 4/11/2019 Result | MW-115 4/10/2019 Result | MW-116 4/10/2019 Result | MW-117 4/10/2019 Result | Dup #2 4/10/2019 Result | MW-118 4/11/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | 15 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2-Chloronaphthalene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Chlorophenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Methylnaphthalene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | 1.6 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| 2-Methylphenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | 15 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2-Nitrophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3&4-Methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | 6.4 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3,3`-Dichlorobenzidine (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 3-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4,6-Dinitro-2-methylphenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloro-3-methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | 8.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Acenaphthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluoranthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluorene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorocyclopentadiene | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Hexachloroethane (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Naphthalene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | 7.7 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Nitrobenzene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodi-n-propylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pentachlorophenol (c) | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Phenanthrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Phenol (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | 1.1 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pyrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Cyanide | < 0.01 | < 0.01 | 0.012 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | J 0.0069 | J 0.0076 | < 0.01 | J 0.0066 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-201 (bg) 4/10/2019 Result | MW-202 4/9/2019 Result | MW-203 4/11/2019 Result | MW-204 (bg) 4/9/2019 Result | MW-205 (bg) 4/11/2019 Result | MW-206 4/11/2019 Result | MW-207 4/12/2019 Result | MW-209 4/11/2019 Result | MW-219 4/11/2019 Result | MW-220 4/11/2019 Result | MW-223 4/10/2019 Result | MW-224 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | < 200 | 310 | J 150 | < 200 | < 200 | 2000 | J 54 | < 200 | < 200 | J 57 | < 200 | < 200 |
| Antimony | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Arsenic (c) | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 |
| Barium | J 14 | J 190 | J 15 | J 8.7 | J 3 | J 29 | J 5.7 | J 12 | J 14 | J 18 | J 13 | J 7.6 |
| Beryllium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Cadmium | J 0.43 | < 5 | < 5 | J 0.66 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | J 0.53 | J 0.43 |
| Calcium | 90000 | 10000 | 8000 | 260000 | 170000 | 22000 | 310000 | 270000 | 6800 | 310000 | 390000 | 200000 |
| Chromium | J 2.9 | 13 | J 9.3 | J 1.7 | 18 | J 8.5 | J 2.6 | J 2.5 | J 4.5 | J 2.8 | J 1.2 | < 10 |
| Cobalt | < 10 | < 10 | < 10 | < 10 | J 1.9 | J 1 | < 10 | J 2.4 | < 10 | < 10 | J 7 | < 10 |
| Copper | < 25 | < 25 | < 25 | < 25 | < 25 | J 3.7 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 |
| Iron (c) | J 1500 | 880 | 350 | 2700 | 7800 | 2600 | 2500 | 920 | 190 | J 60 | 110000 | 1800 |
| Lead (c) | < 10 | < 10 | J 5.5 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Magnesium | 41000 | 6000 | J 4300 | 110000 | 110000 | 8500 | 160000 | 130000 | J 2900 | 81000 | 130000 | 81000 |
| Manganese | 71 | 16 | J 8.2 | 190 | 730 | 100 | 100 | 2900 | 22 | 59 | 6300 | 480 |
| Nickel | J 3.6 | J 11 | J 6.7 | J 2.3 | J 15 | 7.7 | J 2.5 | J 5.2 | J 3.8 | J 4.7 | J 17 | J 2.3 |
| Potassium | 9300 | 6300 | 5000 | 15000 | 12000 | 6700 | 18000 | 15000 | J 4200 | 17000 | 16000 | 15000 |
| Selenium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Silver | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Sodium | 880000 | 570000 | 730000 | 440000 | 110000 | 630000 | 190000 | 180000 | 570000 | 380000 | 180000 | 490000 |
| Thallium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | J 2.7 | < 20 | < 20 |
| Vanadium | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Zinc | < 50 | < 50 | < 50 | < 50 | < 50 | J 12 | < 50 | < 50 | < 50 | < 50 | < 50 | J 13 |
| Mercury | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| 1,1,1-Trichloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.7 | < 1 |
| 1,1-Dichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 3 | < 1 |
| 1,2-Dichloroethene [total] | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | J 1.7 | < 2 |
| 1,2-Dichloropropane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Hexanone | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Acetone (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | J 6.5 | < 10 |
| Benzene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromodichloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromoform (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromomethane [Methyl bromide] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon disulfide | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon tetrachloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chlorobenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-201 (bg) 4/10/2019 Result | MW-202 4/9/2019 Result | MW-203 4/11/2019 Result | MW-204 (bg) 4/9/2019 Result | MW-205 (bg) 4/11/2019 Result | MW-206 4/11/2019 Result | MW-207 4/12/2019 Result | MW-209 4/11/2019 Result | MW-219 4/11/2019 Result | MW-220 4/11/2019 Result | MW-223 4/10/2019 Result | MW-224 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform [Trichloromethane] (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloromethane [Methyl chloride] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.7 | < 1 |
| cis-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Dibromochloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Ethylbenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Methylene chloride (c) | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Styrene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Tetrachloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Toluene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | J 0.28 | < 1 |
| Vinyl chloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Acenaphthylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Anthracene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[b]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[g,h,i]perylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[k]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| bis[2-Chloroethoxy]methane | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Chloroethyl]ether (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Butyl benzylphthalate [BBP] (c) | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Carbazole | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Chrysene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenz[a,h]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenzofuran | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Diethyl phthalate | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Dimethyl phthalate | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Di-n-butylphthalate [DBP] | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Di-n-octyl phthalate [DnOP] | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Hexachlorobutadiene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Indeno[1,2,3-cd]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Isophorone (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2,4-Trichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,3-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,2`-Oxybis[1-chloropropane] [bis[2-Chloroisopropyl] ether] (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-201 (bg) 4/10/2019 Result | MW-202 4/9/2019 Result | MW-203 4/11/2019 Result | MW-204 (bg) 4/9/2019 Result | MW-205 (bg) 4/11/2019 Result | MW-206 4/11/2019 Result | MW-207 4/12/2019 Result | MW-209 4/11/2019 Result | MW-219 4/11/2019 Result | MW-220 4/11/2019 Result | MW-223 4/10/2019 Result | MW-224 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2-Chloronaphthalene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Chlorophenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Methylnaphthalene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| 2-Methylphenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2-Nitrophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3&4-Methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3,3`-Dichlorobenzidine (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 3-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4,6-Dinitro-2-methylphenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloro-3-methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Acenaphthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluoranthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluorene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorocyclopentadiene | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Hexachloroethane (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Naphthalene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Nitrobenzene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodi-n-propylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pentachlorophenol (c) | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Phenanthrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Phenol (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pyrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Cyanide | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

*All results in ug/L*
*c = potential carcinogen*
*bg = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-301 (bg) 4/9/2019 Result | MW-302 (bg) 4/9/2019 Result | MW-303 4/11/2019 Result | Dup #6 4/11/2019 Result | MW-304 (bg) 4/9/2019 Result | MW-305 4/10/2019 Result | Dup #5 4/10/2019 Result | MW-306 4/12/2019 Result | MW-307 4/12/2019 Result | MW-309 4/11/2019 Result | MW-319 4/11/2019 Result | MW-320 4/11/2019 Result | MW-321 4/12/2019 Result | MW-322 4/10/2019 Result | MW-323 4/10/2019 Result | MW-324 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 360 | 7000 | < 200 | < 200 | J 74 | < 200 | < 200 | J 99 | 640 | J 150 | 940 | J 67 | J 130 | < 200 | 310 | < 200 |
| Antimony | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Arsenic (c) | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | J 4.8 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 |
| Barium | J 14 | J 53 | J 21 | J 22 | J 16 | J 4 | < 200 | J 30 | J 27 | J 36 | J 110 | J 98 | J 40 | J 11 | J 24 | J 14 |
| Beryllium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Cadmium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | J 0.22 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | J 0.49 |
| Calcium | 8600 | J 3000 | 28000 | 28000 | 21000 | 59000 | 67000 | J 4700 | 5900 | J 3800 | 20000 | J 2200 | 8300 | 120000 | J 4200 | 110000 |
| Chromium | 22 | 21 | J 9.8 | 13 | 41 | 16 | 20 | 10 | J 3.6 | 11 | J 4.6 | J 1.1 | J 2.6 | J 1.1 | 20 | 1.3 |
| Cobalt | < 10 | J 2.8 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Copper | J 8.9 | J 10 | < 25 | J 5.1 | J 3.9 | J 4.3 | J 5.6 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | J 7.9 | < 25 |
| Iron (c) | 940 | 8100 | 360 | 460 | 1300 | 7400 | 9300 | 200 | 370 | 220 | 690 | 280 | 230 | J 63 | J 690 | J 53 |
| Lead (c) | J 2.8 | J 3.9 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Magnesium | 7500 | J 1800 | 12000 | 12000 | 9400 | 18000 | 20000 | J 2400 | J 2000 | J 1400 | J 2500 | J 820 | J 2800 | 53000 | J 1700 | 64000 |
| Manganese | J 7.3 | 190 | 27 | 27 | 83 | 310 | 370 | J 10 | J 9.4 | J 6.3 | J 8.2 | J 9.3 | J 12 | 62 | 31 | 46 |
| Nickel | J 14 | J 17 | J 7.5 | 8.9 | J 30 | J 9.6 | J 13 | J 6.8 | J 4 | J 6.6 | J 3.2 | J 3.6 | J 2.3 | < 40 | J 13 | J 2.2 |
| Potassium | 11000 | J 4600 | 7200 | 7200 | 6000 | 7000 | 7700 | J 4000 | J 4600 | J 3500 | 10000 | J 2600 | J 4500 | 12000 | J 3600 | 12000 |
| Selenium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Silver | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Sodium | 700000 | 370000 | 770000 | 770000 | 710000 | 440000 | 480000 | 490000 | 640000 | 460000 | 500000 | 380000 | 650000 | 640000 | 590000 | 470000 |
| Thallium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | J 5.6 | < 20 |
| Vanadium | < 50 | J 15 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | J 5.8 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Zinc | < 50 | J 17 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | J 20 | < 50 | J 9.7 | < 50 | < 50 | < 50 | < 50 |
| Mercury | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| 1,1,1-Trichloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | J 0.42 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethene [total] | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichloropropane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Hexanone | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Acetone (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Benzene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromodichloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromoform (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromomethane [Methyl bromide] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon disulfide | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon tetrachloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chlorobenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |

*All results in ug/L*
*c= potential carcinogen*
*bg - background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-301 (bg) 4/9/2019 Result | MW-302 (bg) 4/9/2019 Result | MW-303 4/11/2019 Result | Dup #6 4/11/2019 Result | MW-304 (bg) 4/9/2019 Result | MW-305 4/10/2019 Result | Dup #5 4/10/2019 Result | MW-306 4/12/2019 Result | MW-307 4/12/2019 Result | MW-309 4/11/2019 Result | MW-319 4/11/2019 Result | MW-320 4/11/2019 Result | MW-321 4/12/2019 Result | MW-322 4/10/2019 Result | MW-323 4/10/2019 Result | MW-324 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform [Trichloromethane] (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloromethane [Methyl chloride] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Dibromochloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Ethylbenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Methylene chloride (c) | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Styrene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Tetrachloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Toluene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Vinyl chloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Acenaphthylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Anthracene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[b]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[g,h,i]perylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[k]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| bis[2-Chloroethoxy]methane | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Chloroethyl]ether (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Butyl benzylphthalate [BBP] (c) | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Carbazole | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Chrysene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenz[a,h]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenzofuran | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Diethyl phthalate | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Dimethyl phthalate | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Di-n-butylphthalate [DBP] | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Di-n-octyl phthalate [DnOP] | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Hexachlorobutadiene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Indeno[1,2,3-cd]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Isophorone (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2,4-Trichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,3-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,2`-Oxybis[1-chloropropane] [bis[2-Chloroisopropyl] ether] (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |

*All results in ug/L*
*c= potential carcinogen*
*bg - background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-301 (bg) 4/9/2019 Result | MW-302 (bg) 4/9/2019 Result | MW-303 4/11/2019 Result | Dup #6 4/11/2019 Result | MW-304 (bg) 4/9/2019 Result | MW-305 4/10/2019 Result | Dup #5 4/10/2019 Result | MW-306 4/12/2019 Result | MW-307 4/12/2019 Result | MW-309 4/11/2019 Result | MW-319 4/11/2019 Result | MW-320 4/11/2019 Result | MW-321 4/12/2019 Result | MW-322 4/10/2019 Result | MW-323 4/10/2019 Result | MW-324 4/9/2019 Result |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2-Chloronaphthalene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Chlorophenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Methylnaphthalene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | 1.2 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| 2-Methylphenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2-Nitrophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3&4-Methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3,3`-Dichlorobenzidine (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 3-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4,6-Dinitro-2-methylphenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloro-3-methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Acenaphthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluoranthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluorene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorocyclopentadiene | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Hexachloroethane (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Naphthalene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | 0.46 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Nitrobenzene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodi-n-propylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pentachlorophenol (c) | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Phenanthrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Phenol (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pyrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Cyanide | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

*All results in ug/L*
*c= potential carcinogen*
*bg - background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-401 4/10/2019 Result | MW-402 4/10/2019 Result | MW-414 (bg) 4/11/2019 Result | MW-415 (bg) 4/10/2019 Result | MW-421 4/9/2019 Result | MW-422 (bg) 4/9/2019 Result | Non-Potable Well 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| Aluminum | 1100 | 1300 | J 130 | < 200 | J 130 | J 74 | < 200 |
| Antimony | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Arsenic (c) | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 |
| Barium | J 64 | J 55 | J 13 | J 10 | J 110 | J 14 | J 100 |
| Beryllium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Cadmium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Calcium | J 2300 | J 1900 | J 3900 | J 2700 | J 3000 | J 4000 | J 2100 |
| Chromium | J 6.3 | 12 | < 10 | J 1 | J 3.2 | J 1.4 | < 10 |
| Cobalt | < 10 | < 10 | < 10 | < 10 | < 10 | J 4.6 | < 10 |
| Copper | < 25 | J 10 | < 25 | < 25 | J 14 | < 25 | J 15 |
| Iron (c) | J 4600 | 18000 | 1500 | 3800 | 7200 | 8300 | J 100 |
| Lead (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Magnesium | J 1100 | J 1400 | J 1700 | J 1100 | J 900 | J 1800 | J 850 |
| Manganese | 82 | 79 | J 13 | 26 | 110 | 91 | J 3.5 |
| Nickel | J 14 | J 23 | < 40 | J 3.5 | J 9.1 | J 10 | J 4.9 |
| Potassium | J 3300 | J 3400 | J 3600 | J 3100 | J 2900 | J 3700 | J 2900 |
| Selenium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Silver | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Sodium | 530000 | 490000 | 550000 | 500000 | 410000 | 560000 | 450000 |
| Thallium | J 4 | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 |
| Vanadium | J 5.7 | J 7 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Zinc | < 50 | J 13 | < 50 | < 50 | < 50 | < 50 | J 40 |
| Mercury | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| 1,1,1-Trichloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethene [total] | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichloropropane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Hexanone | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Acetone (c) | J 6.6 | J 5.7 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Benzene (c) | < 1 | J 0.42 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromodichloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromoform (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromomethane [Methyl bromide] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon disulfide | < 1 | J 0.41 | < 1 | J 0.28 | < 1 | < 1 | < 1 |
| Carbon tetrachloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chlorobenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |

*All results in ug/L*
*(c) = potential carcinogen*
*(bg) = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-401 4/10/2019 Result | MW-402 4/10/2019 Result | MW-414 (bg) 4/11/2019 Result | MW-415 (bg) 4/10/2019 Result | MW-421 4/9/2019 Result | MW-422 (bg) 4/9/2019 Result | Non-Potable Well 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| Chloroform [Trichloromethane] (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloromethane [Methyl chloride] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,2-Dichloroethene | < 1 | < 1 | < 1 | J 0.19 | < 1 | < 1 | < 1 |
| cis-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Dibromochloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Ethylbenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Methylene chloride (c) | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Styrene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Tetrachloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Toluene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | < 1 | J 0.16 | < 1 | < 1 | < 1 |
| Vinyl chloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Acenaphthylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Anthracene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[b]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[g,h,i]perylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[k]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| bis[2-Chloroethoxy]methane | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Chloroethyl]ether (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Butyl benzylphthalate [BBP] (c) | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Carbazole | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Chrysene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenz[a,h]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenzofuran | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Diethyl phthalate | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Dimethyl phthalate | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Di-n-butylphthalate [DBP] | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Di-n-octyl phthalate [DnOP] | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Hexachlorobutadiene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Indeno[1,2,3-cd]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Isophorone (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2,4-Trichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,3-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,2`-Oxybis[1-chloropropane] [bis[2-Chloroisopropyl] ether] (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |

*All results in ug/L*
*(c) = potential carcinogen*
*(bg) = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**GROUNDWATER MONITORING WELLS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | MW-401 4/10/2019 Result | MW-402 4/10/2019 Result | MW-414 (bg) 4/11/2019 Result | MW-415 (bg) 4/10/2019 Result | MW-421 4/9/2019 Result | MW-422 (bg) 4/9/2019 Result | Non-Potable Well 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2-Chloronaphthalene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Chlorophenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Methylnaphthalene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| 2-Methylphenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2-Nitrophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3&4-Methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3,3`-Dichlorobenzidine (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 3-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4,6-Dinitro-2-methylphenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloro-3-methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Acenaphthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluoranthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Fluorene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorocyclopentadiene | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Hexachloroethane (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Naphthalene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Nitrobenzene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodi-n-propylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pentachlorophenol (c) | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Phenanthrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Phenol (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pyrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Cyanide | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

*All results in ug/L*
*(c) = potential carcinogen*
*(bg) = background well*
*J = estimated value between MDL and PQL*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**RINSE BLANK SAMPLES**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | Rinse Blank #1 4/8/2019 Result | Rinse Blank #2 4/10/2019 Result | Rinse Blank #3 4/10/2019 Result | Rinse Blank #4 4/11/2019 Result | Rinse Blank #5 4/11/2019 Result | Rinse Blank #6 4/12/2019 Result | S&E Rinse Blank 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,1-Dichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2,4-Trichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,2-Dichloroethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,2-Dichloroethene [total] | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| 1,2-Dichloropropane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 1,3-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,2`-Oxybis[1-chloropropane] [bis[2-Chloroisopropyl] ether] (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dimethylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Chloronaphthalene | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Chlorophenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Hexanone | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 2-Methylnaphthalene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| 2-Methylphenol | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| 2-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 2-Nitrophenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3&4-Methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 3,3`-Dichlorobenzidine (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 3-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4,6-Dinitro-2-methylphenol | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloro-3-methylphenol | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chloroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| 4-Nitroaniline | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| 4-Nitrophenol | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Acenaphthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Acenaphthylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Acetone (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Aluminum | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | -- |

*All results in ug/L*
*c = potential carcinogen*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**RINSE BLANK SAMPLES**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | Rinse Blank #1 4/8/2019 Result | Rinse Blank #2 4/10/2019 Result | Rinse Blank #3 4/10/2019 Result | Rinse Blank #4 4/11/2019 Result | Rinse Blank #5 4/11/2019 Result | Rinse Blank #6 4/12/2019 Result | S&E Rinse Blank 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| Anthracene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Antimony | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | -- |
| Arsenic (c) | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | -- |
| Barium | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | -- |
| Benzene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | -- |
| Benzo[a]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[a]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[b]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[g,h,i]perylene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Benzo[k]fluoranthene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Beryllium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| bis[2-Chloroethoxy]methane | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | -- |
| bis[2-Chloroethyl]ether (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Bromodichloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromoform (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Bromomethane [Methyl bromide] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Butyl benzylphthalate [BBP] (c) | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Cadmium | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | -- |
| Calcium | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | -- |
| Carbazole | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Carbon disulfide | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Carbon tetrachloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chlorobenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloroform [Trichloromethane] (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chloromethane [Methyl chloride] | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Chromium | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | -- |
| Chrysene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| cis-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| cis-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Cobalt | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | -- |
| Copper | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | -- |
| Cyanide | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | -- |
| Dibenz[a,h]anthracene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Dibenzofuran | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Dibromochloromethane (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Diethyl phthalate | < 4.5 | J 3.5 | < 4.5 | < 4.5 | J 3.7 | < 4.5 | < 4.5 |
| Dimethyl phthalate | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Di-n-butylphthalate [DBP] | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 | < 4.5 |
| Di-n-octyl phthalate [DnOP] | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Ethylbenzene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Fluoranthene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |

*All results in ug/L*
*c = potential carcinogen*

**TABLE 2A.**
**WATER-QUALITY DATA SUMMARY, APRIL 2019**
**RINSE BLANK SAMPLES**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | Rinse Blank #1 4/8/2019 Result | Rinse Blank #2 4/10/2019 Result | Rinse Blank #3 4/10/2019 Result | Rinse Blank #4 4/11/2019 Result | Rinse Blank #5 4/11/2019 Result | Rinse Blank #6 4/12/2019 Result | S&E Rinse Blank 4/10/2019 Result |
|---|---|---|---|---|---|---|---|
| Fluorene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Hexachlorobutadiene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Hexachlorocyclopentadiene | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Hexachloroethane (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Indeno[1,2,3-cd]pyrene (c) | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Iron (c) | < 200 | < 200 | < 200 | < 200 | < 200 | < 200 | -- |
| Isophorone (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | -- |
| Lead (c) | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | -- |
| Magnesium | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | -- |
| Manganese | < 15 | < 15 | < 15 | < 15 | < 15 | < 15 | -- |
| Mercury | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | -- |
| Methylene chloride (c) | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 |
| Naphthalene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Nickel | < 40 | < 40 | < 40 | < 40 | < 40 | < 40 | -- |
| Nitrobenzene (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodi-n-propylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Pentachlorophenol (c) | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 | < 8.9 |
| Phenanthrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Phenol (c) | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 | < 0.89 |
| Potassium | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | -- |
| Pyrene | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 | < 0.18 |
| Selenium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | -- |
| Silver | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | -- |
| Sodium | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | 33000 | -- |
| Styrene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Tetrachloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Thallium | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | -- |
| Toluene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| trans-1,3-Dichloropropene | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Vanadium | < 50 | J 5.7 | < 50 | < 50 | < 50 | < 50 | -- |
| Vinyl chloride (c) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 |
| Zinc | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | -- |

*All results in ug/L*
*c = potential carcinogen*

**TABLE 2B.**
**WATER-QUALITY & SEDIMENT DATA SUMMARY, APRIL 2019**
**SURFACE WATER AND SEDIMENT**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameter | Surface Water 4/10/2019 Result |
|---|---|
| 1,1,1-Trichloroethane | < 1 |
| 1,1,2,2-Tetrachloroethane (c) | < 1 |
| 1,1,2-Trichloroethane (c) | < 1 |
| 1,1-Dichloroethane (c) | J 0.24 |
| 1,1-Dichloroethene (c) | < 1 |
| 1,2,4-Trichlorobenzene | < 0.89 |
| 1,2-Dichlorobenzene | < 0.89 |
| 1,2-Dichloroethane (c) | < 1 |
| 1,2-Dichloroethene (total) | J 1.6 |
| 1,2-Dichloropropane (c) | < 1 |
| 1,3-Dichlorobenzene | < 0.89 |
| 1,4-Dichlorobenzene | < 0.89 |
| 2,2'-oxybis[1-chloropropane] (c) | < 0.89 |
| 2,4,5-Trichlorophenol | < 4.5 |
| 2,4,6-Trichlorophenol (c) | < 4.5 |
| 2,4-Dichlorophenol | < 1.8 |
| 2,4-Dimethylphenol | < 1.8 |
| 2,4-Dinitrophenol | < 8.9 |
| 2,4-Dinitrotoluene (c) | < 4.5 |
| 2,6-Dinitrotoluene (c) | < 4.5 |
| 2-Butanone (MEK) | < 10 |
| 2-Chloronaphthalene | < 0.89 |
| 2-Chlorophenol | < 0.89 |
| 2-Hexanone | < 10 |
| 2-Methylnaphthalene (c) | < 0.18 |
| 2-Methylphenol | < 0.89 |
| 2-Nitroaniline | < 1.8 |
| 2-Nitrophenol | < 1.8 |
| 3&4-Methylphenol | < 1.8 |
| 3,3'-Dichlorobenzidine (c) | < 4.5 |
| 3-Nitroaniline | < 1.8 |
| 4,6-Dinitro-o-cresol | < 4.5 |
| 4-Bromophenyl phenyl ether | < 1.8 |
| 4-Chloro-3-methyl phenol | < 1.8 |
| 4-Chloroaniline | < 1.8 |
| 4-Chlorophenyl phenyl ether | < 1.8 |
| 4-Methyl-2-pentanone(MIBK) | < 10 |
| 4-Nitroaniline | < 1.8 |
| 4-Nitrophenol | < 8.9 |
| Acenaphthene | < 0.18 |
| Acenaphthylene | < 0.18 |
| Acetone (c) | < 10 |
| Anthracene | < 0.18 |
| Benzene (c) | < 1 |
| Benzo(a)anthracene (c) | < 0.18 |
| Benzo(a)pyrene (c) | < 0.18 |

| Parameter | Surface Water 4/10/2019 Result |
|---|---|
| Benzo(b)fluoranthene (c) | < 0.18 |
| Benzo(g,h,i)perylene (c) | < 0.18 |
| Benzo(k)fluoranthene (c) | < 0.18 |
| bis(2-Chloroethoxy)methane | < 0.89 |
| bis(2-Chloroethyl)ether (c) | < 0.89 |
| bis(2-Ethylhexyl)phthalate (c) | < 4.5 |
| Bromodichloromethane (c) | < 1 |
| Bromoform (c) | < 1 |
| Bromomethane | < 1 |
| Butyl benzyl phthalate (c) | < 1.8 |
| Carbazole | < 0.89 |
| Carbon disulfide | < 1 |
| Carbon tetrachloride (c) | < 1 |
| Chlorobenzene | < 1 |
| Chloroethane | < 1 |
| Chloroform (c) | < 1 |
| Chloromethane | < 1 |
| Chrysene (c) | < 0.18 |
| cis-1,2-Dichloroethene | 1.6 |
| cis-1,3-Dichloropropene | < 1 |
| Dibenzo(a,h)anthracene (c) | < 0.18 |
| Dibenzofuran | < 0.89 |
| Dibromochloromethane | < 1 |
| Diethyl phthalate | < 4.5 |
| Dimethyl phthalate | < 1.8 |
| Di-n-butyl phthalate | < 4.5 |
| Di-n-octyl phthalate | < 1.8 |
| Ethylbenzene | < 1 |
| Fluoranthene | < 0.18 |
| Fluorene | < 0.18 |
| Hexachlorobenzene (c) | < 0.18 |
| Hexachlorobutadiene (c) | < 0.89 |
| Hexachlorocyclopentadiene | < 8.9 |
| Hexachloroethane (c) | < 0.89 |
| Indeno(1,2,3-cd)pyrene | < 0.18 |
| Isophorone (c) | < 0.89 |
| Methylene chloride | < 5 |
| Naphthalene | < 0.18 |
| Nitrobenzene (c) | < 0.89 |
| N-Nitroso-di-n-propylamine (c) | < 0.89 |
| N-Nitrosodiphenylamine (c) | < 0.89 |
| Pentachlorophenol (c) | < 8.9 |
| Phenanthrene | < 0.18 |
| Phenol (c) | < 0.89 |
| Pyrene | < 0.18 |
| Styrene | < 1 |
| Tetrachloroethene (c) | < 1 |

| Parameter | Surface Water 4/10/2019 Result |
|---|---|
| Toluene | < 1 |
| trans-1,2-Dichloroethene | < 1 |
| trans-1,3-Dichloropropene | < 1 |
| Trichloroethene (c) | J 0.38 |
| Vinyl chloride (c) | < 2 |
| Xylene (total) (c) | < 1 |

*All results in ug/L*

*c = potential carcinogen*

*J = estimated value between MDL and PQL*

# TABLE 2B.
# WATER-QUALITY & SEDIMENT DATA SUMMARY, APRIL 2019
# SURFACE WATER AND SEDIMENT
# SUMMIT NATIONAL SUPERFUND SITE

| Parameter | S&E Ditch Sediment 4/10/2019 Result |
|---|---|
| 1,1,1-Trichloroethane | < 5.4 |
| 1,1,2,2-Tetrachloroethane (c) | < 5.4 |
| 1,1,2-Trichloroethane (c) | < 5.4 |
| 1,1-Dichloroethane (c) | < 5.4 |
| 1,1-Dichloroethene (c) | < 5.4 |
| 1,2,4-Trichlorobenzene | < 70 |
| 1,2-Dichlorobenzene | < 70 |
| 1,2-Dichloroethane (c) | < 5.4 |
| 1,2-Dichloroethene (total) | < 11 |
| 1,2-Dichloropropane (c) | < 5.4 |
| 1,3-Dichlorobenzene | < 70 |
| 1,4-Dichlorobenzene | < 70 |
| 2,2'-oxybis[1-chloropropane] (c) | < 140 |
| 2,4,5-Trichlorophenol | < 210 |
| 2,4,6-Trichlorophenol (c) | < 210 |
| 2,4-Dichlorophenol | < 210 |
| 2,4-Dimethylphenol | < 210 |
| 2,4-Dinitrophenol | < 460 |
| 2,4-Dinitrotoluene (c) | < 280 |
| 2,6-Dinitrotoluene (c) | < 280 |
| 2-Butanone (MEK) | < 21 |
| 2-Chloronaphthalene | < 70 |
| 2-Chlorophenol | < 70 |
| 2-Hexanone | < 21 |
| 2-Methylnaphthalene (c) | 740 |
| 2-Methylphenol | < 280 |
| 2-Nitroaniline | < 280 |
| 2-Nitrophenol | < 70 |
| 3&4-Methylphenol | < 560 |
| 3,3'-Dichlorobenzidine (c) | < 140 |
| 3-Nitroaniline | < 280 |
| 4,6-Dinitro-o-cresol | < 460 |
| 4-Bromophenyl phenyl ether | < 70 |
| 4-Chloro-3-methyl phenol | < 210 |
| 4-Chloroaniline | < 210 |
| 4-Chlorophenyl phenyl ether | < 70 |
| 4-Methyl-2-pentanone(MIBK) | < 21 |
| 4-Nitroaniline | < 280 |
| 4-Nitrophenol | < 460 |
| Acenaphthene | < 21 |
| Acenaphthylene | < 21 |
| Acetone (c) | < 27 |
| Anthracene | < 21 |
| Benzene (c) | < 5.4 |
| Benzo(a)anthracene (c) | 53 |
| Benzo(a)pyrene (c) | 57 |

| Parameter | S&E Ditch Sediment 4/10/2019 Result |
|---|---|
| Benzo(b)fluoranthene (c) | 75 |
| Benzo(g,h,i)perylene (c) | 180 |
| Benzo(k)fluoranthene (c) | J 15 |
| bis(2-Chloroethoxy)methane | < 140 |
| bis(2-Chloroethyl)ether (c) | < 140 |
| bis(2-Ethylhexyl)phthalate (c) | < 98 |
| Bromodichloromethane (c) | < 5.4 |
| Bromoform (c) | < 5.4 |
| Bromomethane | < 5.4 |
| Butyl benzyl phthalate (c) | < 98 |
| Carbazole | < 70 |
| Carbon disulfide | < 5.4 |
| Carbon tetrachloride (c) | < 5.4 |
| Chlorobenzene | < 5.4 |
| Chloroethane | < 5.4 |
| Chloroform | < 5.4 |
| Chloromethane | < 5.4 |
| Chrysene (c) | 120 |
| cis-1,2-Dichloroethene | < 5.4 |
| cis-1,3-Dichloropropene | < 5.4 |
| Dibenzo(a,h)anthracene (c) | < 21 |
| Dibenzofuran | 170 |
| Dibromochloromethane | < 5.4 |
| Diethyl phthalate | < 98 |
| Dimethyl phthalate | < 98 |
| Di-n-butyl phthalate | < 98 |
| Di-n-octyl phthalate | < 98 |
| Ethylbenzene | < 5.4 |
| Fluoranthene | 120 |
| Fluorene | 22 |
| Hexachlorobenzene (c) | < 21 |
| Hexachlorobutadiene (c) | < 70 |
| Hexachlorocyclopentadiene | < 460 |
| Hexachloroethane (c) | < 70 |
| Indeno(1,2,3-cd)pyrene | < 21 |
| Isophorone (c) | < 70 |
| Methylene chloride | < 27 |
| Naphthalene | 510 |
| Nitrobenzene (c) | < 140 |
| N-Nitroso-di-n-propylamine (c) | < 70 |
| N-Nitrosodiphenylamine (c) | < 70 |
| Pentachlorophenol (c) | < 210 |
| Phenanthrene | 500 |
| Phenol (c) | < 70 |
| Pyrene | 160 |
| Styrene | < 5.4 |
| Tetrachloroethene (c) | < 5.4 |

| Parameter | S&E Ditch Sediment 4/10/2019 Result |
|---|---|
| Toluene | < 5.4 |
| trans-1,2-Dichloroethene | < 5.4 |
| trans-1,3-Dichloropropene | < 5.4 |
| Trichloroethene (c) | < 5.4 |
| Vinyl chloride (c) | < 5.4 |
| Xylene (total) (c) | < 11 |

*All results in ug/Kg*

*c = possible carcinogen*

*J = estimated value between MDL and PQL*

# TABLE 2C.
# WATER-QUALITY DATA SUMMARY, APRIL 2019
# RESIDENTIAL WELLS
# SUMMIT NATIONAL SUPERFUND SITE

| Parameter | Residential Well #1 4/10/2019 Result | Residential Well #2 4/10/2019 Result | Residential Well #3 4/10/2019 Result |
|---|---|---|---|
| 1,1,1-Trichloroethane | < 1 | < 1 | < 1 |
| 1,1-Dichloroethane (c) | < 1 | < 1 | < 1 |
| 1,2-Dichloroethane (c) | < 1 | < 1 | < 1 |
| Acetone (c) | < 10 | < 10 | < 10 |
| Benzene (c) | < 1 | < 1 | < 1 |
| bis[2-Ethylhexyl]phthalate [DEHP] (c) | < 4.5 | < 4.5 | J 2.2 |
| Chlorobenzene | < 1 | < 1 | < 1 |
| Chloroethane | < 1 | < 1 | < 1 |
| cis-1,2-Dichloroethene | < 1 | < 1 | < 1 |
| Ethylbenzene | < 1 | < 1 | < 1 |
| Toluene | < 1 | < 1 | < 1 |
| trans-1,2-Dichloroethene | < 1 | < 1 | < 1 |
| Trichloroethene (c) | < 1 | < 1 | < 1 |
| Vinyl chloride (c) | < 1 | < 1 | < 1 |
| Xylenes [total] (c) | < 2 | < 2 | < 2 |

*All results in ug/L*

*c = potential carcinogen*

*J = estimated value between MDL and PQL*

# TABLE 3.
# PARAMETER LIST AND REGIONAL SCREENING LEVELS FOR SUBSTANCES WITH POSSIBLE CARCINOGENIC EFFECTS
# SUMMIT NATIONAL SUPERFUND SITE

| Parameter | Toxicological Class (1) 1986 | 1996 | 1999 | 2005 | ($SF_0$) Oral Cancer Slope Factor (2) 1/(mg/kg-day) | (RfD) Oral Reference Dose (3) (mg/kg-day) | (RSL) Regional Screening Level For Individual Compounds Based On 1.0 x $10^{-6}$ Risk (4) THQ = 1.0 (ug/L) |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,1,1-Trichloroethane; Methylchloroform | D | | | I | NV | 2.00E+00 | NV |
| **1,1,2,2-Tetrachloroethane** | **C** | | | **L** | 2.00E-01 | 2.00E-02 | 7.60E-02 |
| **1,1,2-Trichloroethane** | **C** | | | | 5.70E-02 | 4.00E-03 | 2.80E-01 |
| **1,1-Dichloroethane; Ethylidene Chloride** | **C** | | | | 5.70E-03 | 2.00E-01 | 2.80E+00 |
| **1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene Chloride** | **C** | | | | NV | 5.00E-02 | NV |
| **1,2-Dichloroethane; Ethylenedichloride** | **B2** | | | | 9.10E-02 | 6.00E-03 | 1.70E-01 |
| 1,2-Dichloroethylene; 1,2-Dichloroethene | | | | | NA | NA | NA |
| cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene | | | | | NV | 2.00E-03 | NV |
| trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene | | | | | NV | 2.00E-02 | NV |
| **1,2-Dichloropropane; Propylenedichloride** | **B2** | | | | 3.70E-02 | 4.00E-02 | 8.50E-01 |
| cis-1,3-Dichloropropene (5) | | | | | 1.00E-01 | 3.00E-02 | 4.70E-01 |
| trans-1,3-Dichloropropene (5) | | | | | 1.00E-01 | 3.00E-02 | 4.70E-01 |
| 2-Hexanone; Methyl butyl ketone | | | **S** | I | NV | 5.00E-03 | NV |
| **Acetone; 2-Propanone** | **D** | | **S** | | NV | 9.00E-01 | NV |
| **Benzene** | **A** | **K** | | | 5.50E-02 | 4.00E-03 | 4.60E-01 |
| **Bromodichloromethane; Dichlorobromomethane** | **B2** | | | | 6.20E-02 | 2.00E-02 | 1.30E-01 |
| **Bromoform; Tribromomethane** | **B2** | | | | 7.90E-03 | 2.00E-02 | 3.30E+00 |
| Bromomethane; Methyl bromide | D | | | | NV | 1.40E-03 | NV |
| Carbon Disulfide | | | | | NV | 1.00E-01 | NV |
| **Carbon Tetrachloride** | **B2** | | | **L** | 7.00E-02 | 4.00E-03 | 4.60E-01 |
| Chlorobenzene | D | | | | NV | 2.00E-02 | NV |
| Chloroethane; Ethyl Chloride | | | | | NV | NV | NV |
| **Chloroform; Trichloromethane** | **B2** | | **L/N** | | 3.10E-02 | 1.00E-02 | 2.20E-01 |
| Chloromethane; Methyl chloride | D | P | | | NV | NV | NV |
| **Dibromochloromethane; Chlorodibromomethane** | **C** | | | **L** | 8.40E-02 | 2.00E-02 | 8.70E-01 |
| Ethylbenzene | D | | | | 1.10E-02 | 1.00E-01 | 1.50E+00 |
| **Methyl ethyl ketone; MEK; 2-Butanone** | **D** | | **S** | | NV | 6.00E-01 | NV |
| Methyl isobutyl ketone; MIK; 4-Methyl-2-pentanone | | | | | NV | NV | NV |
| **Methylene chloride; Dichloromethane** | **B2** | | | | 2.00E-03 | 6.00E-03 | 1.10E+01 |
| Styrene; Ethenylbenzene | | | | | NV | 2.00E-01 | NV |
| **Tetrachloroethylene; Tetrachloroethene; Perchloroethylene** | **B2** | | | **L** | 2.10E-03 | 6.00E-03 | 1.10E+01 |
| Toluene; Methylbenzene | D | | | I | NV | 8.00E-02 | NV |
| **Trichloroethylene; Trichloroethene** | **B2** | | | **K** | 4.60E-02 | 5.00E-04 | 4.90E-01 |
| Vinyl Acetate | | | | | NV | 1.00E+00 | NV |
| **Vinyl Chloride** | **A** | **K** | | | 7.20E-01 | 3.00E-03 | 1.90E-02 |
| **Xylene (total)** | **D** | | **S** | | NV | 2.00E-01 | NV |
| m-Xylene | D | | | | NV | 2.00E-01 | NV |
| o-Xylene | D | | | | NV | 2.00E-01 | NV |
| p-Xylene | D | | | | NV | 2.00E-01 | NV |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| 1,2,4-Trichlorobenzene | D | | | | 2.90E-02 | 1.00E-02 | 1.20E+00 |
| 1,2-Dichlorobenzene; o-Dichlorobenzene | D | | | | NV | 9.00E-02 | NV |
| 1,3 Dichlorobenzene; m-Dichlorobenzene | D | | | | NA | NA | NA |
| 1,4-Dichlorobenzene; p-Dichlorobenzene | | | | | 5.40E-03 | 7.00E-02 | 4.80E-01 |
| 2,4,5-Trichlorophenol | | | | | NV | 1.00E-01 | NV |
| **2,4,6-Trichlorophenol** | **B2** | | | | 1.10E-02 | 1.00E-03 | 4.10E+00 |
| 2,4-Dichlorophenol | | | | | NV | 3.00E-03 | NV |
| 2,4-Dimethylphenol; m-Xylenol | | | | | NV | 2.00E-02 | NV |
| 2,4-Dinitrophenol | | | | | NV | 2.00E-03 | NV |
| **2,4-Dinitrotoluene; 1-Methyl-2,4-dinitrobenzene** | **B2** | | | | 3.10E-01 | 2.00E-03 | 2.40E-01 |
| **2,6-Dinitrotoluene; 2-Methyl-1,3-dinitrobenzene** | **B2** | | | | 1.50E+00 | 3.00E-04 | 4.90E-02 |
| 2-Chloronaphthalene; 2-Naphthyl chloride; beta-Chloronaphthalene | | | | | NV | 8.00E-02 | NV |
| 2-Chlorophenol | | | | | NV | 5.00E-03 | NV |

# TABLE 3.
# PARAMETER LIST AND REGIONAL SCREENING LEVELS FOR SUBSTANCES WITH POSSIBLE CARCINOGENIC EFFECTS
# SUMMIT NATIONAL SUPERFUND SITE

| Parameter | Toxicological Class (1) 1986 | 1996 | 1999 | 2005 | ($SF_0$) Oral Cancer Slope Factor (2) 1/(mg/kg-day) | (RfD) Oral Reference Dose (3) (mg/kg-day) | (RSL) Regional Screening Level For Individual Compounds Based On 1.0 x $10^{-6}$ Risk (4) THQ = 1.0 (ug/L) |
|---|---|---|---|---|---|---|---|
| **Semi-Volatile Organic Compounds (continued)** | | | | | | | |
| **2-Methylnaphthalene** | **C** | | **S** | | NV | 4.00E-03 | NV |
| 2-Methylphenol; o-Cresol | | | | | NV | 5.00E-02 | NV |
| 2-Nitroaniline; 2-Nitrobenzenamine; o-Nitroaniline | | | | | NV | 1.00E-02 | NV |
| 2-Nitrophenol; o-Nitrophenol | | | | | NA | NA | NA |
| **3,3'-Dichlorobenzidine; 3,3'-Dichloro-[1,1'-bi phenyl]-4,4'-diamine** | **B2** | | | | 4.50E-01 | NV | 1.30E-01 |
| 3-Nitroaniline; 3-Nitrobenzenamine; m-Nitroaniline | | | | | NA | NA | NA |
| 3&4-Methylphenol; m&p-Cresol (6) | | | | | NV | 1.00E-01 | NV |
| 4,6-Dinitro-o-cresol; 4,6-Dinitro-2-methylphenol; 2-Methyl-4,6-dinitrophenol | | | | | NV | 8.00E-05 | NV |
| 4-Bromophenyl Phenyl Ether; 1-Bromo-4-phenoxy-benzene | D | | | | NA | NA | NA |
| 4-Chloroaniline; p-Chloroaniline; 4-Chlorobenzenamine | | | | | 2.00E-01 | 4.00E-03 | 3.70E-01 |
| 4-Chlorophenyl phenyl ether; 1-Chloro-4-phenoxy benzene | | | | | NA | NA | NA |
| 4-Chloro-3-methyl phenol | | | | | NV | 1.00E-01 | NV |
| **4-Methylphenol; p-Cresol** | **C** | | | | NV | 1.00E-01 | NV |
| 4-Nitroaniline; 4-Nitrobenzenamine; p-Nitroaniline | | | | | 2.00E-02 | 4.00E-03 | 3.80E+00 |
| 4-Nitrophenol; p-Nitrophenol | | | | | NA | NA | NA |
| Acenaphthene; 1,2-Dihydroacenaphthylene, Acenaphthylene | D | | | | NV | 6.00E-02 | NV |
| Anthracene | D | | | | NV | 3.00E-01 | NV |
| **Benzo[a]anthracene; Benzanthracene** | **B2** | | | | 1.00E-01 | NV | 3.00E-02 |
| **Benzo[a]pyrene** | **B2** | | | | 1.00E+00 | 3.00E-04 | 2.50E-02 |
| **Benzo[b]flouranthene; Benz[e]acephenanthylene** | **B2** | | | | 1.00E-01 | NV | 2.50E-01 |
| Benzo[ghi]perylene | D | | | | NA | NA | NA |
| **Benzo[k]flouranthene** | **B2** | | | | 1.00E-02 | NV | 2.50E+00 |
| Benzyl alcohol; Benzenemethanol | D | | | | NV | 1.00E-01 | NV |
| Benzoic acid | | | | | NV | 4.00E+00 | NV |
| bis(2-Chloroethoxy)methane; 1,1-[methylenebis(oxy)] bis[2-chloroethane] | D | | | | NV | 3.00E-03 | NV |
| **bis(2-Chloroethyl) ether; Dichloroethyl ether; 1,1'-oxybis [2-Chloroethane]** | **B2** | | | | 1.10E+00 | NV | 1.40E-02 |
| **bis(2-Chloro-1-methylethyl) Ether; 2,2'-Dichlorodiisopropyl ether; DCIP** | **C** | | | | NV | 4.00E-02 | NV |
| **bis(2-Ethylhexyl) Phthalate; 1,2-Benzenedicarboxylic acid, bis (2-Ethylhexyl) ester** | **B2** | | | | 1.40E-02 | 2.00E-02 | 5.60E+00 |
| **Butyl benzyl phthalate; Benzyl butyl phthalate; 1,2-Benzenedicarboxylic acid** | **C** | | | | 1.90E-03 | 2.00E-01 | 1.60E+01 |
| **Chrysene** | **B2** | | | | 1.00E-03 | NV | 2.50E+01 |
| Di-n-butyl phthalate; 1,2-Benzenedicarboxylic acid dibutyl ester, Dibutyl Phthalate | D | | | | NV | 1.00E-01 | NV |
| Di-n-octyl phthalate; 1,2-Benzenedicarboxylic acid, Dioctyl ester | | | | | NV | 1.00E-02 | NV |
| Di-n-propylnitrosamine; N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine | | | | | 7.00E+00 | NV | 1.10E-02 |
| **Dibenz[a,h]anthracene** | **B2** | | | | 1.00E+00 | NV | 2.50E-02 |
| Dibenzofuran | D | | | | NV | 1.00E-03 | NV |
| Diethyl phthalate; 1,2-Benzenedicarboxylic acid, Diethyl ester | D | | | | NV | 8.00E-01 | NV |
| Dimethyl phthalate; 1,2-Benzenedicarboxylic acid, dimethyl ester | D | | | | NA | NA | NA |
| Fluoranthene | D | | | | NV | 4.00E-02 | NV |
| Fluorene; 9H-fluorene | D | | | | NV | 4.00E-02 | NV |
| **Hexachlorobenzene** | **B2** | | | | 1.60E+00 | 8.00E-04 | 9.80E-03 |
| **Hexachlorobutadiene** | **C** | | | | 7.80E-02 | 1.00E-03 | 1.40E-01 |
| Hexachlorocyclopentadiene | D | N | | | NV | 6.00E-03 | NV |
| **Hexachloroethane** | **C** | | | **L** | 4.00E-02 | 7.00E-04 | 3.30E-01 |
| **Indeno (1,2,3-cd) pyrene** | **B2** | | | | 1.00E-01 | NV | 2.50E-01 |
| **Isophorone; 3,5,5-Trimethyl-2-cyclohexen-1-one** | **C** | | | | 9.50E-04 | 2.00E-01 | 7.80E+01 |
| **N-Nitrosodimethylamine; N-Methyl-N-nitroso methananmine** | **B2** | | | | 5.10E+01 | 8.00E-06 | 1.10E-04 |
| **N-Nitroso-Di-N-Propylamine** | **B2** | | | | 7.00E+00 | NV | 1.10E-02 |
| Naphthalene | D | P | | | NV | 2.00E-02 | 1.70E-01 |
| **Nitrobenzene** | D | | | **L** | NV | 2.00E-03 | 1.40E-01 |
| **Pentachlorophenol** | **B2** | | | **L** | 4.00E-01 | 5.00E-03 | 4.10E-02 |
| Phenanthrene | D | | | | NA | NA | NA |
| **Phenol** | **D** | | **S** | | NV | 3.00E-01 | NV |
| Pyrene | D | | | | NV | 3.00E-02 | NV |

# TABLE 3.
# PARAMETER LIST AND REGIONAL SCREENING LEVELS FOR SUBSTANCES WITH POSSIBLE CARCINOGENIC EFFECTS SUMMIT NATIONAL SUPERFUND SITE

| Parameter | Toxicological Class (1) 1986 | 1996 | 1999 | 2005 | ($SF_0$) Oral Cancer Slope Factor (2) 1/(mg/kg-day) | (RfD) Oral Reference Dose (3) (mg/kg-day) | (RSL) Regional Screening Level For Individual Compounds Based On 1.0 x $10^{-6}$ Risk (4) THQ = 1.0 (ug/L) |
|---|---|---|---|---|---|---|---|
| **Metals (Total)** | | | | | | | |
| Aluminum | | | | | NV | 1.00E+00 | NV |
| Antimony (metallic) | | | | | NV | 4.00E-04 | NV |
| **Arsenic, Inorganic** | **A** | | | | 1.50E+00 | 3.00E-04 | 5.20E-02 |
| Barium | | N | | | NV | 2.00E-01 | NV |
| Beryllium and Compounds | | P | | | NV | 2.00E-03 | NV |
| Cadmium (Water) | | | | | NV | 5.00E-04 | NV |
| Calcium | | | | | NA | NA | NA |
| Chromium, Total | | P | | | NV | NV | NV |
| Cobalt | | | | | NV | 3.00E-04 | NV |
| Copper | D | | | | NV | 4.00E-02 | NV |
| Cyanide (free, CN-) | D | | | | NV | 6.00E-04 | NV |
| **Iron** | **C** | | | | NV | 7.00E-01 | NV |
| **Lead and Compounds** | **B2** | | | | NV | NV | NV |
| Magnesium | | | | | NA | NA | NA |
| Manganese (Diet) | D | | | | NV | 1.40E-01 | NV |
| Mercury (elemental) | D | | | | NV | NV | NV |
| Nickel (Soluble Salts) | | | | | NV | 2.00E-02 | NV |
| Potassium | | | | | NA | NA | NA |
| Selenium | D | | | | NV | 5.00E-03 | NV |
| Silver | D | | | | NV | 5.00E-03 | NV |
| Sodium | | | | | NA | NA | NA |
| Thallium (Soluble Salts) | | I | | | NV | 1.00E-05 | NV |
| Vanadium and Compounds | | | | | NV | 5.00E-03 | NV |
| Zinc and Compounds | D | | **S** | I | NV | 3.00E-01 | NV |

***Notes:***

NA = Not Available; **Bold** - Potential Carcinogen

**(1)** USEPA Weight-of-Evidence Toxicological Classification.

1986 Guidelines

**A** - Human Carcinogen (sufficient evidence of carcinogenicity in humans)

**B1** - Probable Human Carcinogen (limited evidence of carcinogenicity in humans)

**B2** - Probable Human Carcinogen (sufficient evidence of carcinogenicity in animals)

**C** - Possible Human Carcinogen (limited evidence of carcinogenicity in animals)

D - Not Classified as to Human Carcinogenicity (inadequate or no evidence)

1996 Guidelines

**K** - Known/likely human carcinogen

P - Carcinogenic potential cannot be determined

N - Not likely to be carcinogenic to humans

1999, 2005 Guidelines

**K** - Carcinogenic to humans

**L** - Likely to be carcinogenic to humans

**S** - Suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential

I - Data are inadequate for an assessment of human carcinogenic potential

N - Not likely to be carcinogenic to humans

**(2)** Cancer Slope Factor - A measure of the carcinogenic potential of a compound.

SOURCE : USEPA Integrated Risk Information System (IRIS); August 2018.

: Health Effects Assessment Table (HEAST); July 1997.

: Regional Screening Levels (RSLs) Master Table; November 2019. Provisional values supplied by NCEA.

: CalEPA Office of Environmental Health Hazard Assessment (OEHHA), Cancer Potency Values; September 2016.

**(3)** The RfD is a daily exposure level which is believed to be without appreciable health risk to humans over a lifetime. The RfD is usually derived from an experimental "no observed adverse effect level" (NOAEL), identified as the highest dose in the most relevant study that didnot result in a known adverse effect. The NOAEL is divided by various uncertainty factors to derive the RfD. These uncertainty factors account for the variation in human response, extrapolation to human responses if animal experiments were used, data quality and relevance.

**(4)** Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.

**(5)** 1,3-Dichloropropene CSF, $RfD_o$, and RSL substituted.

# TABLE 4.
# SUMMARY OF CHEMICALS OF POTENTIAL CONCERN AND HAZARD INDICES
# APRIL 2019 GROUNDWATER MONITORING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well | Chemical of Potential Concern (COPC) | Reported Groundwater Concentration (mg/L) | | Oral Reference Dose (1) (mg/kg-day) | Hazard Quotient (HQ) | Hazard Index (3) (HI) | Percent Contribution of COPC (%) |
|---|---|---|---|---|---|---|---|
| **Water Table Unit (WTU) Wells** | | | | | | | |
| MW-4 | Iron | 3.6 | * | 7.00E-01 | 0.14 | 0.14 | 100.00 |
| MW-11 | 1,1,1-Trichloroethane | 0.011 | | 2.00E+00 | 0.00 | **2.24** | 0.01 |
| | 1,1,2-Trichloroethane | 0.0002 | J | 4.00E-03 | 0.00 | | 0.06 |
| | 1,1-Dichloroethane | 0.056 | | 2.00E-01 | 0.01 | | 0.34 |
| | 1,1-Dichloroethene | 0.00073 | J | 5.00E-02 | 0.00 | | 0.02 |
| | 1,2-Dichloroethane | 0.0009 | J | 6.00E-03 | 0.00 | | 0.18 |
| | Benzene | 0.00025 | J | 4.00E-03 | 0.00 | | 0.08 |
| | cis-1,2-Dichloroethene | 0.029 | | 2.00E-03 | 0.39 | | 17.46 |
| | Iron | 3.4 | | 7.00E-01 | 0.13 | | 5.85 |
| | trans-1,2-Dichloroethene | 0.0008 | J | 2.00E-02 | 0.00 | | 0.05 |
| | Trichloroethene | 0.031 | | 5.00E-04 | **1.67** | | 74.68 |
| | Vinyl chloride | 0.0032 | | 3.00E-03 | 0.03 | | 1.28 |
| MW-101 | Iron | 25.5 | * | 7.00E-01 | 0.98 | 0.98 | 100.00 |
| MW-102 | Iron | 89 | | 7.00E-01 | **3.43** | **3.43** | 100.00 |
| MW-103 | Arsenic | 0.03 | | 3.00E-04 | **2.70** | **3.03** | 89.17 |
| | Iron | 8.5 | | 7.00E-01 | 0.33 | | 10.83 |
| MW-104 | Iron | 15 | | 7.00E-01 | 0.58 | 0.58 | 100.00 |
| | Sodium | 590 | | NV | -- | | 0.00 |
| MW-105 | Iron | 23 | | 7.00E-01 | 0.89 | 0.89 | 100.00 |
| MW-106 | 1,1,1-Trichloroethane | 0.00089 | J | 2.00E+00 | 0.00 | 0.22 | 0.01 |
| | 1,1-Dichloroethane | 0.0011 | | 2.00E-01 | 0.00 | | 0.07 |
| | 1,2-Dichloroethane | 0.00069 | J | 6.00E-03 | 0.00 | | 1.44 |
| | Iron | 5.5 | | 7.00E-01 | 0.21 | | 98.48 |
| MW-107 | 1,1,2-Trichloroethane | 0.0034 | J | 4.00E-03 | 0.02 | **6.51** | 0.35 |
| | 1,1-Dichloroethane | 0.69 | | 2.00E-01 | 0.09 | | 1.43 |
| | 1,2-Dichloroethane | 0.017 | | 6.00E-03 | 0.08 | | 1.17 |
| | 1,2-Dichlorobenzene | 0.0013 | | 9.00E-02 | 0.00 | | 0.01 |
| | 2,4-Dimethylphenol | 0.0015 | | 2.00E-02 | 0.00 | | 0.03 |
| | 2-Methylphenol | 0.0015 | | 5.00E-02 | 0.00 | | 0.01 |
| | 2-Methylnaphthalene | 0.0016 | | 4.00E-03 | 0.01 | | 0.17 |
| | 3&4-Methylphenol | 0.0064 | | 1.00E-01 | 0.00 | | 0.03 |
| | 4-Chloro-3-Methylphenol | 0.0088 | | 1.00E-01 | 0.00 | | 0.04 |
| | Arsenic | 0.044 | | 3.00E-04 | **3.96** | | 60.81 |
| | Benzene | 0.089 | | 4.00E-03 | 0.60 | | 9.23 |
| | Chloroethane | 0.390 | | NV | -- | | 0.00 |
| | Ethylbenzene | 0.940 | | 1.00E-01 | 0.25 | | 3.90 |
| | Toluene | 3.0 | | 8.00E-02 | 1.01 | | 15.55 |
| | Iron | 0.46 | | 7.00E-01 | 0.02 | | 0.27 |
| | Isophorone | 0.0028 | | 2.00E-01 | 0.00 | | 0.01 |
| | Naphthalene | 0.0077 | | 2.00E-02 | 0.01 | | 0.16 |
| | Xylene (total) | 3.3 | | 2.00E-01 | 0.45 | | 6.84 |

# TABLE 4.
# SUMMARY OF CHEMICALS OF POTENTIAL CONCERN AND HAZARD INDICES
# APRIL 2019 GROUNDWATER MONITORING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well | Chemical of Potential Concern (COPC) | Reported Groundwater Concentration (mg/L) | | Oral Reference Dose (1) (mg/kg-day) | Hazard Quotient (HQ) | Hazard Index (3) (HI) | Percent Contribution of COPC (%) |
|---|---|---|---|---|---|---|---|
| **Water Table Unit (WTU) Wells (cont'd)** | | | | | | | |
| MW-108 | 1,1,1-Trichloroethane | 0.0023 | | 2.00E+00 | 0.00 | **9.89** | 0.00 |
| | 1,1,2-Trichloroethane | 0.00037 | J | 4.00E-03 | 0.00 | | 0.03 |
| | 1,1-Dichloroethane | 0.33 | | 2.00E-01 | 0.04 | | 0.45 |
| | 1,1-Dichloroethene | 0.0032 | | 5.00E-02 | 0.00 | | 0.02 |
| | 1,2-Dichloroethane | 0.044 | | 6.00E-03 | 0.20 | | 2.00 |
| | Arsenic | 0.022 | | 3.00E-04 | **1.98** | | 20.03 |
| | Benzene | 0.14 | | 4.00E-03 | 0.95 | | 9.56 |
| | cis-1,2-Dichloroethene | 0.24 | | 2.00E-03 | **3.24** | | 32.77 |
| | Iron | 35 | | 7.00E-01 | **1.35** | | 13.66 |
| | Phenol | 0.0011 | | 3.00E-01 | 0.00 | | 0.00 |
| | Trichloroethene | 0.023 | | 5.00E-04 | **1.24** | | 12.56 |
| | Vinyl chloride | 0.098 | | 3.00E-03 | 0.88 | | 8.92 |
| | Xylene (total) | 0.00064 | J | 2.00E-01 | 0.00 | | 0.00 |
| MW-109 | Iron | 1.1 | | 7.00E-01 | 0.04 | 0.04 | 100.00 |
| MW-110 | Iron | 0.26 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-111 | 1,1-Dichloroethane | 0.028 | | 2.00E-01 | 0.00 | **5.97** | 0.06 |
| | 1,1-Dichloroethene | 0.0004 | J | 5.00E-02 | 0.00 | | 0.00 |
| | 1,2-Dichloroethane | 0.088 | | 6.00E-03 | 0.40 | | 6.64 |
| | Benzene | 0.00018 | J | 4.00E-03 | 0.00 | | 0.02 |
| | cis-1,2-Dichloroethene | 0.0062 | | 2.00E-03 | 0.08 | | 1.40 |
| | Chloroethene | 0.0013 | | NV | -- | | 0.00 |
| | Iron | 140 | | 7.00E-01 | **5.40** | | 90.53 |
| | Vinyl chloride | 0.0089 | | 3.00E-03 | 0.08 | | 1.34 |
| MW-113 | Acetone | 0.0065 | J | 9.00E-01 | 0.00 | | 0.00 |
| | Iron | 1.8 | | 7.00E-01 | 0.07 | | 1.16 |
| MW-114 | Arsenic | 0.038 | | 3.00E-04 | **3.42** | **5.77** | 59.24 |
| | Iron | 61 | | 7.00E-01 | **2.35** | | 40.76 |
| MW-115 | 1,1-Dichloroethane | 0.0014 | | 2.00E-01 | 0.00 | 0.30 | 0.06 |
| | 1,2-Dichloroethane | 0.00037 | J | 6.00E-03 | 0.00 | | 0.55 |
| | cis-1,2-Dichloroethene | 0.0057 | | 2.00E-03 | 0.08 | | 25.44 |
| | Iron | 5.8 | | 7.00E-01 | 0.22 | | 73.95 |
| MW-116 | -- | -- | | -- | -- | -- | -- |
| MW-117 | Iron | 5.6 | * | 7.00E-01 | 0.22 | 0.22 | 100.00 |
| MW-118 | 1,2-Dichloroethane | 0.0022 | | 6.00E-03 | 0.01 | 0.22 | 4.46 |
| | Iron | 5.5 | | 7.00E-01 | 0.21 | | 95.54 |

# TABLE 4.
# SUMMARY OF CHEMICALS OF POTENTIAL CONCERN AND HAZARD INDICES
# APRIL 2019 GROUNDWATER MONITORING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well | Chemical of Potential Concern (COPC) | Reported Groundwater Concentration (mg/L) | | Oral Reference Dose (1) (mg/kg-day) | Hazard Quotient (HQ) | Hazard Index (3) (HI) | Percent Contribution of COPC (%) |
|---|---|---|---|---|---|---|---|
| **Upper Intermediate Unit (UIU) Wells** | | | | | | | |
| MW-201 | -- | -- | | -- | -- | -- | -- |
| MW-202 | Iron | 0.88 | | 7.00E-01 | 0.03 | 0.03 | 100.00 |
| MW-203 | Iron | 0.35 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-204 | Iron | 2.7 | | 7.00E-01 | 0.10 | 0.10 | 100.00 |
| MW-205 | Iron | 7.8 | | 7.00E-01 | 0.30 | 0.30 | 100.00 |
| MW-206 | Iron | 2.6 | | 7.00E-01 | 0.10 | 0.10 | 100.00 |
| MW-207 | Iron | 2.5 | | 7.00E-01 | 0.10 | 0.10 | 100.00 |
| MW-209 | Iron | 0.92 | | 7.00E-01 | 0.04 | 0.04 | 100.00 |
| MW-219 | Iron | 0.19 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-220 | -- | -- | | -- | -- | -- | -- |
| MW-223 | 1,1-Dichloroethane | 0.0017 | | 2.00E-01 | 0.00 | **4.29** | 0.01 |
| | 1,2-Dichloroethane | 0.003 | | 6.00E-03 | 0.01 | | 0.31 |
| | Acetone | 0.0065 | J | 9.00E-01 | 0.00 | | 0.00 |
| | cis-1,2-Dichloroethene | 0.0017 | | 2.00E-03 | 0.02 | | 0.53 |
| | Iron | 110 | | 7.00E-01 | **4.24** | | 98.79 |
| | Trichloroethene | 0.00028 | J | 5.00E-04 | 0.02 | | 0.35 |
| MW-224 | Iron | 1.8 | | 7.00E-01 | 0.07 | | 1.62 |
| **Lower Intermediate Unit (LIU) Wells** | | | | | | | |
| MW-301 | Iron | 0.94 | | 7.00E-01 | 0.04 | 0.04 | 100.00 |
| MW-302 | Iron | 8.1 | | 7.00E-01 | 0.31 | 0.31 | 100.00 |
| MW-303 | Iron | 0.011 | * | 7.00E-01 | 0.00 | 0.00 | 100.00 |
| MW-304 | Iron | 0.041 | | 7.00E-01 | 0.00 | 0.00 | 100.00 |
| MW-305 | Iron | 7.4 | | 7.00E-01 | 0.29 | 0.29 | 100.00 |
| MW-306 | Iron | 0.2 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-307 | Iron | 0.37 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-309 | 2-Methylnaphthalene | 0.0012 | | 4.00E-03 | 0.01 | 0.02 | 48.84 |
| | Iron | 0.22 | | 7.00E-01 | 0.01 | | 51.16 |
| MW-319 | Iron | 0.69 | | 7.00E-01 | 0.03 | 0.03 | 100.00 |
| MW-320 | Iron | 0.28 | | 7.00E-01 | 0.01 | 0.01 | 100.00 |
| MW-321 | 1,1-Dichloroethane | 0.00042 | J | 2.00E-01 | 0.00 | 0.01 | 0.42 |
| | 1,2-Dichloroethane | 0.001 | | 6.00E-03 | 0.00 | | 33.51 |
| | Iron | 0.23 | | 7.00E-01 | 0.01 | | 66.07 |
| MW-322 | -- | -- | | -- | -- | -- | -- |
| MW-323 | -- | -- | | -- | -- | -- | -- |
| MW-324 | -- | -- | | -- | -- | -- | -- |

# TABLE 4.
# SUMMARY OF CHEMICALS OF POTENTIAL CONCERN AND HAZARD INDICES
# APRIL 2019 GROUNDWATER MONITORING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well | Chemical of Potential Concern (COPC) | Reported Groundwater Concentration (mg/L) | | Oral Reference Dose (1) (mg/kg-day) | Hazard Quotient (HQ) | Hazard Index (3) (HI) | Percent Contribution of COPC (%) |
|---|---|---|---|---|---|---|---|
| **Upper Sharon Unit (USU) Wells** | | | | | | | |
| MW-401 | Acetone | 0.0066 | J | 9.00E-01 | 0.00 | 0.00 | 100.00 |
| MW-402 | Acetone | 0.0057 | J | 9.00E-01 | 0.00 | 0.70 | 0.02 |
| | Benzene | 0.00042 | J | 4.00E-03 | 0.00 | | 0.41 |
| | Iron | 18 | | 7.00E-01 | 0.69 | | 99.57 |
| MW-414 | Iron | 1.5 | | 7.00E-01 | 0.06 | 0.06 | 100.00 |
| MW-415 | Iron | 3.8 | | 7.00E-01 | 0.15 | 0.16 | 94.43 |
| | Trichloroethene | 0.00016 | J | 5.00E-04 | 0.01 | | 5.57 |
| MW-421 | Iron | 7.2 | | 7.00E-01 | 0.28 | 0.28 | 100.00 |
| MW-422 | Iron | 8.3 | | 7.00E-01 | 0.32 | 0.32 | 100.00 |
| Non-Potable Water Well | -- | -- | | -- | -- | -- | -- |

NV - No Value Available

**Bold** - HQ or HI at or above 1.0

Underline - Potential Carcinogen Contribution to HQ

* - Value is the Average of Dup Result and Well Result

J - Estimated Value between the MDL and the PQL

-- - Not Applicable. No constituents detected, or if detected, are below a concentration that designates the constituent as a COPC.

**(1)** The RfD is a daily exposure level which is believed to be without appreciable health risk to humans over a lifetime. The RfD is usually derived from an experimental "no observed adverse effect level" (NOAEL), identified as the highest dose in the most relevant study that did not result in a known adverse effect. The NOAEL is divided by various uncertainty factors to derive the RfD. These uncertainty factors account for the variation in human response, extrapolation to human responses if animal experiments were used, data quality and relevance.

**(2)** Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.

**(3)** A Hazard Index of >1.0 exceeds the Performance Standard for the Site.

# TABLE 5.
# SUMMARY OF SIGNIFICANT POST-SHUTDOWN TRENDS
# APRIL 2019 GROUNDWATER MONITORING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well | Well Location | Parameter | Method | POST SHUTDOWN | | |
|---|---|---|---|---|---|---|
| | | | | Overall | Early (2006 - 2009) | Recent (2009 - 2019) |
| MW-11 | On-site | 1,1,1-Trichloroethane | Mann-Kendall | Down | -- | -- |
| | | 1,2-Dichloroethane | Mann-Kendall | Down | -- | -- |
| | | Trichloroethene | Mann-Kendall | Down | -- | -- |
| MW-107 | On-site | 1,1,1-Trichloroethane | Mann-Kendall | Down | -- | -- |
| | | 1,2-Dichloroethane | Mann-Kendall | Down | -- | -- |
| | | cis-1,2-Dichloroethene | Mann-Kendall | Down | -- | -- |
| | | Toluene | Mann-Kendall | Down | -- | -- |
| MW-108 | On-site | 1,1-Dichloroethane | Mann-Kendall | Up | Up | None |
| | | Benzene | Mann-Kendall | Up | Up | None |
| | | cis-1,2-Dichloroethene | Mann-Kendall | Up | Up | None |
| | | trans-1,2-Dichloroethene | Mann-Kendall | Up | None | None |
| | | Vinyl Chloride | Mann-Kendall | Up | Up | None |
| MW-111 | On-site | 1,1,1-Trichloroethane | Mann-Kendall | Down | -- | -- |

Notes:
Up = Statistically significant upward trend identified.
Down = Statistically significant downward trend identified.
None = No statistically significant trend identified.
-- = Not applicable

**TABLE 6.**
**COMPARISON OF VOC DETECTIONS WITH MCLs**
**SENTINEL & DOWNGRADIENT OFF-SITE WATER TABLE UNIT WELLS**
**APRIL 2019 GROUNDWATER MONITORING EVENT**
**SUMMIT NATIONAL SUPERFUND SITE**

| Sample ID | Parameter | Units | April 2019 Result | MCL | Exceeds MCL (Yes/No) |
|---|---|---|---|---|---|
| **Sentinel Wells** | | | | | |
| MW-114 | VOCs | ug/l | ND | -- | No |
| MW-115 | 1,1-Dichloroethane | ug/l | 1.4 | -- | No |
| MW-115 | 1,2-Dichloroethane | ug/l | 0.37 J | 5 | No |
| MW-115 | cis-1,2-Dichloroethene | ug/l | 5.7 | 70 | No |
| **Additional Downgradient WTU Monitoring Wells** | | | | | |
| MW-4 | VOCs | ug/l | ND | -- | No |
| MW-109 | VOCs | ug/l | ND | -- | No |
| MW-110 | VOCs | ug/l | ND | -- | No |
| MW-113 | Acetone | ug/l | 6.5 J | -- | No |
| MW-116 | VOCs | ug/l | ND | -- | No |
| MW-117 | VOCs | ug/l | ND | -- | No |
| MW-118 | 1,2-Dichloroethane | ug/l | 2.2 | 5 | No |

VOCs - Includes all SSIPL constituents

ND - No VOCs detected

J - Estimated concentration detected below the practical quantitation limit but above the method detection limit

# TABLE 7.
# NUMBER OF SSIPL VOC DETECTIONS AND MAXIMUM CONCENTRATIONS BY ZONE
# SUMMIT NATIONAL SUPERFUND SITE

| Constituents | Water Table Unit (19 wells) | | | | | Upper Intermediate Unit (12 wells) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | April 2019 Event | | All Events | | | April 2019 Event | | All Events | | |
| | No. Detects | Max. | No. Obs. | No. Detects | Max. | No. Detects | Max. | No. Obs. | No. Detects | Max. |
| 1,1,1-Trichloroethane | 5 | 11 | 381 | 113 | 1300 | 1 | 6.5 J | 220 | 1 | 0.34 J |
| 1,1-Dichloroethane | 6 | 690 | 514 | 191 | 1600 | 1 | 1.7 | 304 | 19 | 3.9 |
| 1,2-Dichloroethane | 6 | 44 | 514 | 199 | 1800 | 1 | 3.0 | 304 | 28 | 8.9 |
| 1,2-Dichloroethene (Total) | 4 | 250 | 400 | 104 | 437 | 1 | 1.7 J | 238 | 16 | 6 |
| Acetone | 1 | 6.5 J | 514 | 36 | 34,000 | 0 | -- | 304 | 26 | 1200 |
| Benzene | 4 | 140 | 381 | 64 | 140 | 0 | -- | 220 | 0 | -- |
| Chlorobenzene | 1 | 0.29 J | 233 | 13 | 70.6 | 0 | -- | 134 | 0 | -- |
| Chloroethane | 2 | 390 | 357 | 20 | 390 | 0 | -- | 210 | 0 | -- |
| Cis-1,2-Dichloroethene | 4 | 240 | 325 | 114 | 434 | 1 | 1.7 | 190 | 14 | 4 |
| Ethylbenzene | 2 | 940 | 513 | 41 | 1405 | 0 | -- | 304 | 2 | 0.89 |
| Toluene | 2 | 3,000 | 514 | 49 | 11,500 | 0 | -- | 304 | 4 | 6.45 |
| Trans-1,2-dichloroethene | 3 | 6.3 J | 250 | 42 | 51 | 0 | -- | 142 | 0 | -- |
| Trichloroethene | 2 | 31 | 495 | 72 | 349 | 1 | 0.28 J | 292 | 6 | 0.47 J |
| Vinyl Chloride | 2 | 98 | 381 | 84 | 260 J | 0 | -- | 220 | 0 | -- |
| Xylenes (Total) | 2 | 3,300 | 514 | 41 | 4935 | 0 | -- | 304 | 3 | 3.2 |

Note:
All results represented in ug/L.
J - Estimated conentration detected below the practical quatitation limit but above the method detection limit.

# TABLE 7.
# NUMBER OF SSIPL VOC DETECTIONS AND MAXIMUM CONCENTRATIONS BY ZONE
# SUMMIT NATIONAL SUPERFUND SITE

| Constituents | Lower Intermediate Unit (14 wells) | | | | | Upper Sharon Unit (7 wells) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | April 2019 Event | | All Events | | | April 2019 Event | | All Events | | |
| | No. Detects | Max. | No. Obs. | No. Detects | Max. | No. Detects | Max. | No. Obs. | No. Detects | Max. |
| 1,1,1-Trichloroethane | 0 | -- | 199 | 0 | -- | 0 | -- | 96 | 0 | -- |
| 1,1-Dichloroethane | 1 | 0.42 J | 297 | 7 | 0.64 J | 0 | -- | 123 | 0 | -- |
| 1,2-Dichloroethane | 1 | 1.0 | 297 | 16 | 3.6 | 0 | -- | 123 | 0 | -- |
| 1,2-Dichloroethene (Total) | 0 | -- | 241 | 0 | -- | 0 | -- | 100 | 0 | -- |
| Acetone | 0 | -- | 297 | 3 | 130 | 2 | 6.6 J | 123 | 4 | 270 |
| Benzene | 0 | -- | 199 | 0 | -- | 1 | 0.42 J | 96 | 6 | 0.77 |
| Chlorobenzene | 0 | -- | 116 | 0 | -- | 0 | -- | 63 | 0 | -- |
| Chloroethane | 0 | -- | 199 | 0 | -- | 0 | -- | 96 | 0 | -- |
| Cis-1,2-Dichloroethene | 0 | -- | 167 | 0 | -- | 1 | 0.19 J | 77 | 1 | 0.19 J |
| Ethylbenzene | 0 | -- | 297 | 0 | -- | 0 | -- | 123 | 0 | -- |
| Toluene | 0 | -- | 297 | 9 | 5 | 0 | -- | 123 | 5 | 6.7 |
| Trans-1,2-dichloroethene | 0 | -- | 112 | 0 | -- | 0 | -- | 58 | 0 | -- |
| Trichloroethene | 0 | -- | 283 | 0 | -- | 1 | 0.16 J | 123 | 1 | 0.16 J |
| Vinyl Chloride | 0 | -- | 199 | 0 | -- | 0 | -- | 96 | 0 | -- |
| Xylenes (Total) | 0 | -- | 277 | 3 | 1.6 | 0 | -- | 123 | 1 | 1.7 |

Note:
All results represented in ug/L.
J - Estimated conentration detected below the practical quatitation limit but above the method detection limit.

# APPENDIX A.

# LABORATORY ANALYTICAL REPORTS AND FIELD FORMS APRIL 2019 (FIVE-YEAR) GROUNDWATER QUALITY MONITORING EVENT

# SAMPLE IDENTIFICATION SUMMARY
# APRIL 2019 (5-YEAR) SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Sample ID | Sample Name | Lab ID |
|---|---|---|
| | | |
| MW-101 | GW-040919-NK-017 | 240-110818-15 |
| MW-101 DUP #1 | GW-040919-NK-019 | 240-110818-16 |
| MW-102 | GW-040919-NK-009 | 240-110752-2 |
| MW-103 | GW-041119-AB-062 | 240-110867-6 |
| MW-104 | GW-041119-AB-032 | 240-110867-17 |
| MW-105 | GW-041019-AB-026 | 240-110867-3 |
| MW-105 Dup #4 | GW-041019-AB-028 | 240-110867-4 |
| MW-106 | GW-041119-AB-054 | 240-110867-14 |
| MW-107 | GW-041219-NK-071 | 240-110890-8 |
| MW-108 | GW-041219-NK-072 | 240-110890-9 |
| MW-109 | GW-041119-AB-048 | 240-110867-25 |
| MW-11 | GW-041219-NK-067 | 240-110890-4 |
| MW-110 | GW-041219-NK-064 | 240-110890-1 |
| MW-111 | GW-041219-NK-066 | 240-110890-3 |
| MW-113 | GW-040919-AB-002 | 240-110752-6 |
| MW-114 | GW-041119-AB-058 | 240-110867-8 |
| MW-115 | GW-041019-NK-043 | 240-110818-2 |
| MW-116 | GW-041019-AB-018 | 240-110818-11 |
| MW-117 | GW-041019-AB-014 | 240-110818-8 |
| MW-117 Dup #2 | GW-041019-AB-016 | 240-110818-9 |
| MW-118 | GW-041119-NK-061 | 240-110867-11 |
| MW-201 | GW-040919-NK-015 | 240-110818-17 |
| MW-202 | GW-040919-NK-007 | 240-110752-11 |
| MW-203 | GW-041119-AB-038 | 240-110867-20 |
| MW-204 | GW-040919-AB-008 | 240-110752-12 |
| MW-205 | GW-041119-AB-060 | 240-110867-7 |
| MW-206 | GW-041119-AB-052 | 240-110867-13 |
| MW-207 | GW-041219-NK-069 | 240-110890-6 |
| MW-209 | GW-041119-AB-046 | 240-110867-24 |
| MW-219 | GW-041119-NK-057 | 240-110867-15 |
| MW-220 | GW-041119-AB-042 | 240-110867-22 |
| MW-223 | GW-041019-AB-020 | 240-110818-12 |
| MW-224 | GW-040919-AB-004 | 240-110752-8 |
| MW-224 (MS) | GW-040919-AB-004-MS | 240-110752-8 MS |
| MW-224 (MSD) | GW-040919-AB-004-MSD | 240-110752-8 MSD |

# SAMPLE IDENTIFICATION SUMMARY
# APRIL 2019 (5-YEAR) SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Sample ID | Sample Name | Lab ID |
|---|---|---|
| MW-301 | GW-040919-NK-013 | 240-110752-5 |
| MW-302 | GW-040919-NK-003 | 240-110752-7 |
| MW-303 | GW-041119-AB-034 | 240-110867-18 |
| MW-303 Dup #6 | GW-041119-AB-036 | 240-110867-19 |
| MW-304 | GW-040919-AB-010 | 240-110752-3 |
| MW-305 | GW-041019-NK-045 | 240-110818-3 |
| MW-305 Dup #5 | GW-041019-NK-047 | 240-110818-18 |
| MW-306 | GW-041219-NK-065 | 240-110890-2 |
| MW-307 | GW-041219-NK-070 | 240-110890-7 |
| MW-309 | GW-041119-AB-044 | 240-110867-23 |
| MW-319 | GW-041119-NK-059 | 240-110867-10 |
| MW-320 | GW-041119-AB-040 | 240-110867-21 |
| MW-321 | GW-041219-NK-068 | 240-110890-5 |
| MW-322 | GW-041019-AB-024 | 240-110867-1 |
| MW-323 | GW-041019-AB-022 | 240-110818-13 |
| MW-324 | GW-040919-AB-006 | 240-110752-10 |
| MW-4 | GW-041019-NK-037 | 240-110818-5 |
| MW-4 Dup #3 | GW-041019-NK-039 | 240-110818-4 |
| MW-401 | GW-041019-NK-033 | 240-110818-7 |
| MW-402 | GW-041019-NK-035 | 240-110818-6 |
| MW-414 | GW-041119-AB-056 | 240-110867-9 |
| MW-415 | GW-041019-NK-041 | 240-110818-1 |
| MW-415 (MS) | GW-041019-NK-041-MS | 240-110818-1 MS |
| MW-415 (MSD) | GW-041019-NK-041-MSD | 240-110818-1 MSD |
| MW-421 | GW-040919-NK-005 | 240-110752-9 |
| MW-421 (MS) | GW-040919-NK-005-MS | 240-110752-9 MS |
| MW-421 (MSD) | GW-040919-NK-005-MSD | 240-110752-9 MSD |
| MW-422 | GW-040919-NK-011 | 240-110752-4 |
| Non-Potable Supply Well | GW-041019-AG-055 | 240-110867-5 |
| Rinse Blank #1 | RB-040819-AB-001 | 240-110752-1 |
| Rinse Blank #2 | RB-040919-AB-012 | 240-110818-14 |
| Rinse Blank #3 | RB-041019-NK-030 | 240-110867-2 |
| Rinse Blank #4 | RB-041119-AB-050 | 240-110867-26 |
| Rinse Blank #5 | RB-041119-NK-063 | 240-110867-16 |
| Rinse Blank #6 | RB-041219-NK-073 | 240-110890-10 |
| | | |

***Notes:***

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

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

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

Laboratory Job ID: 240-110752-1
Client Project/Site: Summit National Superfund Site-GW
Revision: 1

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

Attn: Mr. Mike Gibson

Patrick O'Meara

*Authorized for release by:*
*10/23/2019 6:42:22 PM*

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

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Client: Eagon & Associates, Inc. Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

## 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. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| ^ | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| 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. |

## 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110752-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-GW

## Report Number: 240-110752-1

## Revised

Revision 10/23/2019: Added the cis and trans 1,2-DCE isomer results to the report.

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/9/2019 5:21 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.8º C, 2.6º C, 3.2º C and 4.4º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11), GW-040919-AB-008 (240-110752-12) and TRIP BLANKS (240-110752-13) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/18/2019.

The continuing calibration verification (CCV) associated with batch 240-377033 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported:: RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11), GW-040919-AB-008 (240-110752-12), and TRIP BLANKS (240-110752-13).

## Job ID: 240-110752-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

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

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/11/2019 and analyzed on 04/16/2019 and 04/17/2019.

The CCV associated with analytical batch 240-376614 recovered low for 2,2'-oxybis[1-chloropropane. An LODV was analyzed in the batch to support the non detect results for this analyte on the following associated samples: RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6) and GW-040919-NK-003 (240-110752-7).

The continuing calibration verification (CCV) associated with batch 240-376614 recovered above the upper control limit for 2,4-Dinitrophenol, Di-n-octyl phthalate, and 4-Nitrophenol. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6) and GW-040919-NK-003 (240-110752-7).

The continuing calibration verification (CCV) associated with batch 240-376831 recovered above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 2-Nitroaniline, The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-040919-AB-004 (240-110752-8), GW-040919-AB-004 (240-110752-8[MS]), GW-040919-AB-004 (240-110752-8[MSD]), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12).

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

**TOTAL RECOVERABLE METALS (ICP)**

Samples RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/11/2019 and analyzed on 04/12/2019 and 04/15/2019.

Chromium and Iron were detected in method blank MB 240-376021/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Sodium failed the recovery criteria low for the MS/MSD of sample GW-040919-AB-004 (240-110752-8) in batch 240-376523.

Iron and Sodium failed the recovery criteria low for the MS of sample GW-040919-NK-005 (240-110752-9) in batch 240-376401. Iron failed the recovery criteria low for the MSD of sample GW-040919-NK-005 (240-110752-9) in batch 240-376401.

Samples GW-040919-AB-010 (240-110752-3)[2X], GW-040919-NK-011 (240-110752-4)[2X], GW-040919-NK-013 (240-110752-5)[2X] and GW-040919-NK-007 (240-110752-11)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 240-376401 recovered above the upper control limit for antimony. The following samples associated with this CCV were below the requested reporting limit for the affected analytes; therefore, the data have been reported:: GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12).

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

## Job ID: 240-110752-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

**TOTAL MERCURY**

Samples RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/11/2019 and analyzed on 04/15/2019.

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

**TOTAL CYANIDE**

Samples RB-040819-NK-001 (240-110752-1), GW-040919-NK-009 (240-110752-2), GW-040919-AB-010 (240-110752-3), GW-040919-NK-011 (240-110752-4), GW-040919-NK-013 (240-110752-5), GW-040919-AB-002 (240-110752-6), GW-040919-NK-003 (240-110752-7), GW-040919-AB-004 (240-110752-8), GW-040919-NK-005 (240-110752-9), GW-040919-AB-006 (240-110752-10), GW-040919-NK-007 (240-110752-11) and GW-040919-AB-008 (240-110752-12) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 04/11/2019.

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

# Method Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 6010C | Metals (ICP) | SW846 | TAL CAN |
| 7470A | Mercury (CVAA) | SW846 | TAL CAN |
| 9012B | Cyanide, Total andor Amenable | SW846 | TAL CAN |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | SW846 | TAL CAN |
| 7470A | Preparation, Mercury | SW846 | TAL CAN |
| 9012B | Cyanide, Total and/or Amenable, Distillation | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Water | 04/08/19 19:17 | 04/09/19 17:21 | |
| 240-110752-2 | GW-040919-NK-009 | Water | 04/09/19 15:10 | 04/09/19 17:21 | |
| 240-110752-3 | GW-040919-AB-010 | Water | 04/09/19 15:35 | 04/09/19 17:21 | |
| 240-110752-4 | GW-040919-NK-011 | Water | 04/09/19 15:30 | 04/09/19 17:21 | |
| 240-110752-5 | GW-040919-NK-013 | Water | 04/09/19 15:50 | 04/09/19 17:21 | |
| 240-110752-6 | GW-040919-AB-002 | Water | 04/09/19 13:32 | 04/09/19 17:21 | |
| 240-110752-7 | GW-040919-NK-003 | Water | 04/09/19 13:30 | 04/09/19 17:21 | |
| 240-110752-8 | GW-040919-AB-004 | Water | 04/09/19 14:05 | 04/09/19 17:21 | |
| 240-110752-9 | GW-040919-NK-005 | Water | 04/09/19 14:20 | 04/09/19 17:21 | |
| 240-110752-10 | GW-040919-AB-006 | Water | 04/09/19 14:40 | 04/09/19 17:21 | |
| 240-110752-11 | GW-040919-NK-007 | Water | 04/09/19 14:55 | 04/09/19 17:21 | |
| 240-110752-12 | GW-040919-AB-008 | Water | 04/09/19 15:15 | 04/09/19 17:21 | |
| 240-110752-13 | TRIP BLANKS | Water | 04/09/19 00:00 | 04/09/19 17:21 | |

# Detection Summary

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

Job ID: 240-110752-1

## Client Sample ID: RB-040819-NK-001 — Lab Sample ID: 240-110752-1

No Detections.

## Client Sample ID: GW-040919-NK-009 — Lab Sample ID: 240-110752-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 610 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 8.3 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.83 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 220000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.2 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 26 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 89000 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 110000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1500 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 59 | | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 5700 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 33000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 190 | | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-AB-010 — Lab Sample ID: 240-110752-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 74 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 16 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 21000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 41 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 3.9 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1300 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 9400 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 83 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 30 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 710000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110752-1

## Client Sample ID: GW-040919-NK-011 — Lab Sample ID: 240-110752-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 74 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 14 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 4000 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.4 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 4.6 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 8300 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1800 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 91 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 10 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3700 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 560000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-NK-013 — Lab Sample ID: 240-110752-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 360 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 14 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 8600 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 22 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 8.9 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 940 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Lead | 2.8 | J | 10 | 2.8 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 7500 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 7.3 | J | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 14 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 11000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 700000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-AB-002 — Lab Sample ID: 240-110752-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.5 | J | 10 | 5.4 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 550 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-040919-AB-002 (Continued)

## Lab Sample ID: 240-110752-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 7.9 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 15 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.81 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 520000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.9 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.1 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1800 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 230000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 6000 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 18 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6700 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 160000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Thallium | 2.9 | J | 20 | 2.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-NK-003

## Lab Sample ID: 240-110752-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 7000 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 53 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 3000 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 21 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.8 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 10 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 8100 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Lead | 3.9 | J | 10 | 2.8 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1800 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 190 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 17 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 4600 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 370000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Vanadium | 15 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-040919-NK-003 (Continued)
## Lab Sample ID: 240-110752-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Zinc | 17 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-AB-004
## Lab Sample ID: 240-110752-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 7.6 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.43 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 200000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.0 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1800 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 81000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 480 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 2.3 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 15000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 490000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 13 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-NK-005
## Lab Sample ID: 240-110752-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 130 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 110 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 3000 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 3.2 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 14 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 7200 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 900 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 110 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 9.1 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 2900 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 410000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110752-1

## Client Sample ID: GW-040919-AB-006 — Lab Sample ID: 240-110752-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 14 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.49 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 110000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.3 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 53 | J B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 64000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 46 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 2.2 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 12000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 470000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-NK-007 — Lab Sample ID: 240-110752-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 310 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 190 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 10000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 13 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 880 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 6000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 16 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 11 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6300 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 570000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-040919-AB-008 — Lab Sample ID: 240-110752-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 8.7 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.66 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 260000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.7 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 2700 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-040919-AB-008 (Continued)
## Lab Sample ID: 240-110752-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Magnesium | 110000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 190 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 2.3 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 15000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 440000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: TRIP BLANKS
## Lab Sample ID: 240-110752-13

No Detections.

This Detection Summary does not include radiochemical test results.

## Client Sample ID: RB-040819-NK-001 Lab Sample ID: 240-110752-1

**Date Collected: 04/08/19 19:17** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 01:46 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 01:46 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 01:46 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 01:46 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 01:46 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 01:46 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 01:46 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 01:46 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 01:46 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 01:46 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 01:46 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 01:46 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 01:46 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 01:46 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 01:46 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 01:46 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 01:46 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 01:46 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 01:46 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 01:46 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 01:46 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 01:46 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 01:46 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 01:46 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 01:46 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 01:46 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 01:46 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 01:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/18/19 01:46* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 01:46* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/18/19 01:46* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/18/19 01:46* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-040819-NK-001**
**Lab Sample ID: 240-110752-1**
**Date Collected: 04/08/19 19:17**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |

**Client Sample ID: RB-040819-NK-001**
**Lab Sample ID: 240-110752-1**
**Date Collected: 04/08/19 19:17**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *71* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |
| *2-Fluorophenol (Surr)* | *72* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |
| *Phenol-d5 (Surr)* | *49* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *84* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 14:00* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:09 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 14:55 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:05 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-009**
**Lab Sample ID: 240-110752-2**
**Date Collected: 04/09/19 15:10**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 02:08 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:08 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:08 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 02:08 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 02:08 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 02:08 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 02:08 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 02:08 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:08 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 02:08 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:08 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:08 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 02:08 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:08 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 02:08 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 02:08 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 02:08 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 02:08 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:08 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:08 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:08 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 02:08 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 02:08 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:08 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:08 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 02:08 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:08 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 02:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/18/19 02:08* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/18/19 02:08* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/18/19 02:08* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/18/19 02:08* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-NK-009**
**Date Collected: 04/09/19 15:10**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |

## Client Sample ID: GW-040919-NK-009 Lab Sample ID: 240-110752-2

**Date Collected: 04/09/19 15:10** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *91* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |
| *2-Fluorophenol (Surr)* | *60* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |
| *Nitrobenzene-d5 (Surr)* | *74* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *92* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 14:24* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **610** | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Barium** | **8.3** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Cadmium** | **0.83** | **J** | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Calcium** | **220000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Chromium** | **2.2** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Cobalt** | **26** | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Iron** | **89000** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Magnesium** | **110000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Manganese** | **1500** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Nickel** | **59** | | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Potassium** | **5700** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Sodium** | **33000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |
| **Zinc** | **190** | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:14 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 14:58 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:07 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-010**
**Lab Sample ID: 240-110752-3**
**Date Collected: 04/09/19 15:35**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 02:30 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:30 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:30 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 02:30 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 02:30 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 02:30 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 02:30 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 02:30 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:30 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 02:30 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:30 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 02:30 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:30 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 02:30 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 02:30 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 02:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 02:30 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:30 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:30 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 02:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 02:30 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:30 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:30 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 02:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 02:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/18/19 02:30* | *1* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 128* | | *04/18/19 02:30* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *70 - 121* | | *04/18/19 02:30* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/18/19 02:30* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-AB-010**
**Date Collected: 04/09/19 15:35**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-3**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |

## Client Sample ID: GW-040919-AB-010 Lab Sample ID: 240-110752-3

**Date Collected: 04/09/19 15:35** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |
| *2-Fluorophenol (Surr)* | *73* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |
| *Nitrobenzene-d5 (Surr)* | *83* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |
| *Phenol-d5 (Surr)* | *56* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 15:37* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **74** | **J** | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Barium** | **16** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Calcium** | **21000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Chromium** | **41** | **B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Copper** | **3.9** | **J** | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Iron** | **1300** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Magnesium** | **9400** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Manganese** | **83** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Nickel** | **30** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Potassium** | **6000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| **Sodium** | **710000** | | 10000 | 1100 | ug/L | | 04/11/19 14:00 | 04/15/19 15:02 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:18 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:00 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:09 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-011**
**Lab Sample ID: 240-110752-4**
**Date Collected: 04/09/19 15:30**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 02:52 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:52 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:52 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 02:52 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 02:52 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 02:52 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 02:52 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 02:52 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:52 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 02:52 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:52 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 02:52 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:52 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 02:52 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 02:52 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 02:52 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 02:52 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 02:52 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 02:52 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 02:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 02:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 02:52 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 02:52 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 02:52 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 02:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 02:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 02:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *59 - 120* | | *04/18/19 02:52* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* | | *04/18/19 02:52* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/18/19 02:52* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/18/19 02:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-NK-011**
**Date Collected: 04/09/19 15:30**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-4**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |

## Client Sample ID: GW-040919-NK-011 Lab Sample ID: 240-110752-4

**Date Collected: 04/09/19 15:30** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |
| *2-Fluorophenol (Surr)* | *62* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |
| *Phenol-d5 (Surr)* | *49* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *91* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 16:02* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **74** | **J** | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Barium** | **14** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Calcium** | **4000** | **J** | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Chromium** | **1.4** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Copper** | **4.6** | **J** | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Iron** | **8300** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Magnesium** | **1800** | **J** | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Manganese** | **91** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Nickel** | **10** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Potassium** | **3700** | **J** | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| **Sodium** | **560000** | | 10000 | 1100 | ug/L | | 04/11/19 14:00 | 04/15/19 15:07 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:23 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:02 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:11 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-013**
**Lab Sample ID: 240-110752-5**
**Date Collected: 04/09/19 15:50**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 03:15 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:15 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:15 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 03:15 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 03:15 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 03:15 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 03:15 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 03:15 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:15 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 03:15 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:15 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:15 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 03:15 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:15 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 03:15 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 03:15 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 03:15 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 03:15 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:15 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:15 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:15 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 03:15 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 03:15 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:15 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:15 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 03:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 03:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *59 - 120* | | *04/18/19 03:15* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/18/19 03:15* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/18/19 03:15* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/18/19 03:15* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-013**
**Lab Sample ID: 240-110752-5**
**Date Collected: 04/09/19 15:50**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |

## Client Sample ID: GW-040919-NK-013 Lab Sample ID: 240-110752-5

**Date Collected: 04/09/19 15:50** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 14:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |
| *2-Fluorophenol (Surr)* | *72* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |
| *Terphenyl-d14 (Surr)* | *79* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *83* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 14:49* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **360** | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Barium** | **14** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Calcium** | **8600** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Chromium** | **22** | **B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Copper** | **8.9** | **J** | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Iron** | **940** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Lead** | **2.8** | **J** | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Magnesium** | **7500** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Manganese** | **7.3** | **J** | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Nickel** | **14** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Potassium** | **11000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| **Sodium** | **700000** | | 10000 | 1100 | ug/L | | 04/11/19 14:00 | 04/15/19 15:12 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:28 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:04 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:16 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-002**
**Lab Sample ID: 240-110752-6**
**Date Collected: 04/09/19 13:32**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.5 | J | 10 | 5.4 | ug/L | | | 04/18/19 03:37 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:37 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:37 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 03:37 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 03:37 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 03:37 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 03:37 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 03:37 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:37 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 03:37 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:37 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:37 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 03:37 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:37 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 03:37 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 03:37 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 03:37 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 03:37 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:37 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:37 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:37 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 03:37 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 03:37 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:37 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:37 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 03:37 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:37 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 03:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/18/19 03:37* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/18/19 03:37* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/18/19 03:37* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/18/19 03:37* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-AB-002**
**Date Collected: 04/09/19 13:32**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-6**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |

## Client Sample ID: GW-040919-AB-002
**Lab Sample ID: 240-110752-6**

**Date Collected: 04/09/19 13:32**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 15:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |
| *2-Fluorophenol (Surr)* | *56* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |
| *Nitrobenzene-d5 (Surr)* | *83* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *74* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 15:13* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **550** | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Antimony | ND | ^ | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Arsenic** | **7.9** | **J** | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Barium** | **15** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Cadmium** | **0.81** | **J** | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Calcium** | **520000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Chromium** | **2.9** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Cobalt** | **2.1** | **J** | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Iron** | **1800** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Magnesium** | **230000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Manganese** | **6000** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Nickel** | **18** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Potassium** | **6700** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Sodium** | **160000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| **Thallium** | **2.9** | **J** | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:42 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:06 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:17 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-003**
**Lab Sample ID: 240-110752-7**
**Date Collected: 04/09/19 13:30**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 03:59 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:59 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:59 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 03:59 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 03:59 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 03:59 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 03:59 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 03:59 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:59 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 03:59 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:59 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:59 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 03:59 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:59 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 03:59 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 03:59 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 03:59 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 03:59 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 03:59 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 03:59 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 03:59 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 03:59 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 03:59 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 03:59 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 03:59 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 03:59 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 03:59 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 03:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *87* | | *59 - 120* | | *04/18/19 03:59* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/18/19 03:59* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/18/19 03:59* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/18/19 03:59* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-NK-003**
**Date Collected: 04/09/19 13:30**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-7**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |

## Client Sample ID: GW-040919-NK-003 Lab Sample ID: 240-110752-7

**Date Collected: 04/09/19 13:30** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/16/19 16:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |
| *2-Fluorophenol (Surr)* | *80* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |
| *Nitrobenzene-d5 (Surr)* | *92* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |
| *Phenol-d5 (Surr)* | *58* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *99* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 16:26* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **7000** | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Antimony | ND | ^ | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Barium** | **53** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Calcium** | **3000** | **J** | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Chromium** | **21** | **B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Cobalt** | **2.8** | **J** | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Copper** | **10** | **J** | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Iron** | **8100** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Lead** | **3.9** | **J** | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Magnesium** | **1800** | **J** | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Manganese** | **190** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Nickel** | **17** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Potassium** | **4600** | **J** | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Sodium** | **370000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Vanadium** | **15** | **J** | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |
| **Zinc** | **17** | **J** | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:47 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:08 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:19 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-004**
**Lab Sample ID: 240-110752-8**
**Date Collected: 04/09/19 14:05**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 04:44 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 04:44 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 04:44 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 04:44 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 04:44 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 04:44 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 04:44 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 04:44 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 04:44 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 04:44 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 04:44 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 04:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 04:44 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 04:44 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 04:44 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 04:44 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 04:44 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 04:44 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 04:44 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 04:44 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 04:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 04:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 04:44 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 04:44 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 04:44 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 04:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 04:44 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 04:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/18/19 04:44* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/18/19 04:44* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *70 - 121* | | *04/18/19 04:44* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/18/19 04:44* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-AB-004**
**Date Collected: 04/09/19 14:05**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-8**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |

**Client Sample ID: GW-040919-AB-004**
**Lab Sample ID: 240-110752-8**
**Date Collected: 04/09/19 14:05**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 14:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |
| *2-Fluorophenol (Surr)* | *66* | | *17 - 120* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |
| *Phenol-d5 (Surr)* | *53* | | *15 - 120* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |
| *Terphenyl-d14 (Surr)* | *86* | | *28 - 128* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *84* | | *33 - 120* | *04/11/19 10:31* | *04/17/19 14:26* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Barium** | **7.6** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Cadmium** | **0.43** | **J** | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Calcium** | **200000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Chromium** | **1.0** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Iron** | **1800** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Magnesium** | **81000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Manganese** | **480** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Nickel** | **2.3** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Potassium** | **15000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Sodium** | **490000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |
| **Zinc** | **13** | **J** | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:19 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 14:38 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-005**
**Lab Sample ID: 240-110752-9**
**Date Collected: 04/09/19 14:20**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 20:53 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:53 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:53 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 20:53 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 20:53 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 20:53 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 20:53 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 20:53 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:53 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 20:53 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:53 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:53 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 20:53 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:53 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 20:53 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 20:53 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 20:53 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 20:53 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:53 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:53 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:53 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 20:53 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 20:53 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:53 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:53 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 20:53 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:53 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 20:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/18/19 20:53* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/18/19 20:53* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/18/19 20:53* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/18/19 20:53* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |

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

Job ID: 240-110752-1

**Client Sample ID: GW-040919-NK-005**
**Date Collected: 04/09/19 14:20**
**Date Received: 04/09/19 17:21**

**Lab Sample ID: 240-110752-9**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |

## Client Sample ID: GW-040919-NK-005 Lab Sample ID: 240-110752-9

**Date Collected: 04/09/19 14:20** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 13:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *80* | | *32 - 120* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |
| *2-Fluorophenol (Surr)* | *72* | | *17 - 120* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |
| *Nitrobenzene-d5 (Surr)* | *106* | | *35 - 120* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *79* | | *33 - 120* | *04/11/19 10:31* | *04/17/19 13:13* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **130** | **J** | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Barium** | **110** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Calcium** | **3000** | **J** | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Chromium** | **3.2** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Copper** | **14** | **J** | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Iron** | **7200** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Magnesium** | **900** | **J** | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Manganese** | **110** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Nickel** | **9.1** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Potassium** | **2900** | **J** | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| **Sodium** | **410000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:51 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 14:45 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:26 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-006**
**Lab Sample ID: 240-110752-10**
**Date Collected: 04/09/19 14:40**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 19:23 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:23 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 19:23 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 19:23 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 19:23 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 19:23 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 19:23 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 19:23 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 19:23 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 19:23 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:23 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 19:23 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 19:23 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 19:23 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 19:23 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 19:23 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 19:23 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 19:23 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:23 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 19:23 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 19:23 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 19:23 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 19:23 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 19:23 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 19:23 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 19:23 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 19:23 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 19:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/18/19 19:23* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 19:23* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/18/19 19:23* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/18/19 19:23* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-006**
**Lab Sample ID: 240-110752-10**
**Date Collected: 04/09/19 14:40**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |

## Client Sample ID: GW-040919-AB-006 Lab Sample ID: 240-110752-10

**Date Collected: 04/09/19 14:40** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 12:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |
| *2-Fluorophenol (Surr)* | *70* | | *17 - 120* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |
| *Nitrobenzene-d5 (Surr)* | *91* | | *35 - 120* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *81* | | *33 - 120* | *04/11/19 10:31* | *04/17/19 12:49* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Antimony | ND | ^ | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Barium** | **14** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Cadmium** | **0.49** | **J** | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Calcium** | **110000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Chromium** | **1.3** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Iron** | **53** | **J B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Magnesium** | **64000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Manganese** | **46** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Nickel** | **2.2** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Potassium** | **12000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| **Sodium** | **470000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:52 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:10 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:35 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-007**
**Lab Sample ID: 240-110752-11**
**Date Collected: 04/09/19 14:55**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 19:45 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:45 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 19:45 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 19:45 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 19:45 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 19:45 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 19:45 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 19:45 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 19:45 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 19:45 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:45 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 19:45 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 19:45 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 19:45 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 19:45 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 19:45 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 19:45 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 19:45 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 19:45 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 19:45 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 19:45 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 19:45 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 19:45 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 19:45 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 19:45 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 19:45 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 19:45 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 19:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/18/19 19:45* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* | | *04/18/19 19:45* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/18/19 19:45* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/18/19 19:45* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-NK-007**
**Lab Sample ID: 240-110752-11**
**Date Collected: 04/09/19 14:55**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |

## Client Sample ID: GW-040919-NK-007 Lab Sample ID: 240-110752-11

**Date Collected: 04/09/19 14:55** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 15:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |
| *2-Fluorophenol (Surr)* | *105* | | *17 - 120* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |
| *Nitrobenzene-d5 (Surr)* | *88* | | *35 - 120* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |
| *Phenol-d5 (Surr)* | *62* | | *15 - 120* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *84* | | *33 - 120* | *04/11/19 10:31* | *04/17/19 15:38* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **310** | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Antimony | ND | ^ | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Barium** | **190** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Calcium** | **10000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Chromium** | **13** | **B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Iron** | **880** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Magnesium** | **6000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Manganese** | **16** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Nickel** | **11** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Potassium** | **6300** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| **Sodium** | **570000** | | 10000 | 1100 | ug/L | | 04/11/19 14:00 | 04/15/19 15:17 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 19:57 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:37 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-008**
**Lab Sample ID: 240-110752-12**
**Date Collected: 04/09/19 15:15**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 20:07 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:07 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:07 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 20:07 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 20:07 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 20:07 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 20:07 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 20:07 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:07 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 20:07 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:07 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:07 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 20:07 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:07 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 20:07 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 20:07 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 20:07 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 20:07 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:07 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:07 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:07 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 20:07 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 20:07 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:07 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:07 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 20:07 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:07 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 20:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *59 - 120* | | *04/18/19 20:07* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/18/19 20:07* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/18/19 20:07* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 123* | | *04/18/19 20:07* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-040919-AB-008**
**Lab Sample ID: 240-110752-12**
**Date Collected: 04/09/19 15:15**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |

## Client Sample ID: GW-040919-AB-008 Lab Sample ID: 240-110752-12

**Date Collected: 04/09/19 15:15** **Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/11/19 10:31 | 04/17/19 16:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |
| *2-Fluorophenol (Surr)* | *55* | | *17 - 120* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |
| *Terphenyl-d14 (Surr)* | *84* | | *28 - 128* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *33 - 120* | *04/11/19 10:31* | *04/17/19 16:03* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Antimony | ND | ^ | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Barium** | **8.7** | **J** | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Cadmium** | **0.66** | **J** | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Calcium** | **260000** | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Chromium** | **1.7** | **J B** | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Iron** | **2700** | **B** | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Magnesium** | **110000** | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Manganese** | **190** | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Nickel** | **2.3** | **J** | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Potassium** | **15000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| **Sodium** | **440000** | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 20:01 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 15:18 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 12:39 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: TRIP BLANKS**
**Lab Sample ID: 240-110752-13**
**Date Collected: 04/09/19 00:00**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 20:30 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:30 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:30 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 20:30 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 20:30 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 20:30 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 20:30 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 20:30 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:30 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 20:30 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:30 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 20:30 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:30 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 20:30 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 20:30 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 20:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 20:30 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 20:30 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 20:30 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 20:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 20:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 20:30 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 20:30 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 20:30 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 20:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 20:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 20:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/18/19 20:30* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 20:30* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/18/19 20:30* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/18/19 20:30* | *1* |

# Surrogate Summary

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

Job ID: 240-110752-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | BFB | DBFM | DCA | TOL |
| Lab Sample ID | Client Sample ID | (59-120) | (75-128) | (70-121) | (70-123) |
| 240-110752-1 | RB-040819-NK-001 | 91 | 98 | 91 | 95 |
| 240-110752-2 | GW-040919-NK-009 | 93 | 96 | 92 | 99 |
| 240-110752-3 | GW-040919-AB-010 | 93 | 102 | 94 | 99 |
| 240-110752-4 | GW-040919-NK-011 | 90 | 97 | 92 | 98 |
| 240-110752-5 | GW-040919-NK-013 | 89 | 99 | 91 | 97 |
| 240-110752-6 | GW-040919-AB-002 | 92 | 100 | 92 | 97 |
| 240-110752-7 | GW-040919-NK-003 | 87 | 96 | 90 | 96 |
| 240-110752-8 | GW-040919-AB-004 | 92 | 100 | 94 | 97 |
| 240-110752-8 MS | GW-040919-AB-004 | 97 | 93 | 87 | 101 |
| 240-110752-8 MSD | GW-040919-AB-004 | 98 | 95 | 88 | 99 |
| 240-110752-9 | GW-040919-NK-005 | 93 | 96 | 90 | 98 |
| 240-110752-9 MS | GW-040919-NK-005 | 97 | 95 | 89 | 99 |
| 240-110752-9 MSD | GW-040919-NK-005 | 101 | 98 | 89 | 101 |
| 240-110752-10 | GW-040919-AB-006 | 91 | 98 | 91 | 98 |
| 240-110752-11 | GW-040919-NK-007 | 91 | 97 | 91 | 98 |
| 240-110752-12 | GW-040919-AB-008 | 88 | 96 | 89 | 94 |
| 240-110752-13 | TRIP BLANKS | 93 | 98 | 91 | 98 |
| LCS 240-377033/5 | Lab Control Sample | 94 | 93 | 86 | 100 |
| LCS 240-377223/5 | Lab Control Sample | 98 | 94 | 88 | 98 |
| MB 240-377033/8 | Method Blank | 90 | 95 | 90 | 96 |
| MB 240-377223/8 | Method Blank | 92 | 98 | 89 | 96 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110752-1 | RB-040819-NK-001 | 71 | 72 | 82 | 49 | 80 | 84 |
| 240-110752-2 | GW-040919-NK-009 | 91 | 60 | 74 | 45 | 83 | 92 |
| 240-110752-3 | GW-040919-AB-010 | 74 | 73 | 83 | 56 | 80 | 85 |
| 240-110752-4 | GW-040919-NK-011 | 75 | 62 | 82 | 49 | 85 | 91 |
| 240-110752-5 | GW-040919-NK-013 | 78 | 72 | 82 | 51 | 79 | 83 |
| 240-110752-6 | GW-040919-AB-002 | 79 | 56 | 83 | 44 | 82 | 74 |
| 240-110752-7 | GW-040919-NK-003 | 83 | 80 | 92 | 58 | 83 | 99 |
| 240-110752-8 | GW-040919-AB-004 | 82 | 66 | 85 | 53 | 86 | 84 |
| 240-110752-8 MS | GW-040919-AB-004 | 83 | 84 | 89 | 56 | 83 | 83 |
| 240-110752-8 MSD | GW-040919-AB-004 | 85 | 97 | 93 | 65 | 90 | 86 |
| 240-110752-9 | GW-040919-NK-005 | 80 | 72 | 106 | 52 | 85 | 79 |
| 240-110752-9 MS | GW-040919-NK-005 | 85 | 86 | 95 | 56 | 87 | 87 |
| 240-110752-9 MSD | GW-040919-NK-005 | 87 | 91 | 96 | 61 | 90 | 72 |
| 240-110752-10 | GW-040919-AB-006 | 85 | 70 | 91 | 52 | 87 | 81 |
| 240-110752-11 | GW-040919-NK-007 | 81 | 105 | 88 | 62 | 87 | 84 |
| 240-110752-12 | GW-040919-AB-008 | 78 | 55 | 84 | 48 | 84 | 68 |

# Surrogate Summary

Client: Eagon & Associates, Inc. Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | FBP (32-120) | 2FP (17-120) | NBZ (35-120) | PHL (15-120) | TPHL (28-128) | TBP (33-120) | | |
| LCS 240-376025/19-A | Lab Control Sample | 76 | 86 | 89 | 52 | 91 | 99 | | |
| MB 240-376025/18-A | Method Blank | 69 | 57 | 82 | 42 | 86 | 80 | | |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

**Lab Sample ID: MB 240-377033/8**
**Matrix: Water**
**Analysis Batch: 377033**

**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 | 5.4 | ug/L | | | 04/17/19 20:56 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/17/19 20:56 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/17/19 20:56 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/17/19 20:56 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/17/19 20:56 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/17/19 20:56 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/17/19 20:56 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/17/19 20:56 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/17/19 20:56 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/17/19 20:56 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/17/19 20:56 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/17/19 20:56 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/17/19 20:56 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/17/19 20:56 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/17/19 20:56 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/17/19 20:56 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/17/19 20:56 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/17/19 20:56 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/17/19 20:56 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/17/19 20:56 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/17/19 20:56 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/17/19 20:56 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/17/19 20:56 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/17/19 20:56 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/17/19 20:56 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/17/19 20:56 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/17/19 20:56 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/17/19 20:56 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *59 - 120* | | *04/17/19 20:56* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/17/19 20:56* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/17/19 20:56* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/17/19 20:56* | *1* |

**Lab Sample ID: LCS 240-377033/5**
**Matrix: Water**
**Analysis Batch: 377033**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 50.1 | | ug/L | | 125 | 21 - 162 |

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

**Lab Sample ID: LCS 240-377033/5**
**Matrix: Water**
**Analysis Batch: 377033**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 20.0 | 21.6 | | ug/L | | 108 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.8 | | ug/L | | 94 | 77 - 125 |
| Bromoform | 20.0 | 17.0 | | ug/L | | 85 | 49 - 141 |
| Bromomethane | 20.0 | 18.6 | | ug/L | | 93 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 46.9 | | ug/L | | 117 | 39 - 163 |
| Carbon disulfide | 20.0 | 21.7 | | ug/L | | 109 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 16.9 | | ug/L | | 84 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 121 |
| Chloroethane | 20.0 | 20.9 | | ug/L | | 104 | 33 - 173 |
| Chloroform | 20.0 | 19.6 | | ug/L | | 98 | 79 - 127 |
| Chloromethane | 20.0 | 20.3 | | ug/L | | 101 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.9 | | ug/L | | 100 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.1 | | ug/L | | 105 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 16.6 | | ug/L | | 83 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 20.0 | | ug/L | | 100 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 41.6 | | ug/L | | 104 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.9 | | ug/L | | 110 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.7 | | ug/L | | 103 | 80 - 120 |
| 2-Hexanone | 40.0 | 43.2 | | ug/L | | 108 | 43 - 148 |
| Methylene Chloride | 20.0 | 20.8 | | ug/L | | 104 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 42.3 | | ug/L | | 106 | 49 - 143 |
| Styrene | 20.0 | 20.0 | | ug/L | | 100 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.7 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.1 | | ug/L | | 90 | 74 - 130 |
| Toluene | 20.0 | 20.7 | | ug/L | | 103 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.7 | | ug/L | | 89 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 17.9 | | ug/L | | 90 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.3 | | ug/L | | 106 | 78 - 133 |
| Trichloroethene | 20.0 | 18.5 | | ug/L | | 93 | 76 - 125 |
| Vinyl chloride | 20.0 | 21.4 | | ug/L | | 107 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.9 | | ug/L | | 105 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 20.7 | | ug/L | | 104 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 20.9 | | ug/L | | 104 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *86* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 377033**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 50.1 | | ug/L | | 125 | 10 - 168 |
| Benzene | ND | | 20.0 | 20.1 | | ug/L | | 100 | 71 - 122 |

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

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 377033**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 20.0 | 16.9 | | ug/L | | 84 | 64 - 125 |
| Bromoform | ND | | 20.0 | 15.8 | | ug/L | | 79 | 44 - 129 |
| Bromomethane | ND | | 20.0 | 17.2 | | ug/L | | 86 | 19 - 187 |
| 2-Butanone (MEK) | ND | | 40.0 | 43.3 | | ug/L | | 108 | 37 - 156 |
| Carbon disulfide | ND | | 20.0 | 18.9 | | ug/L | | 94 | 43 - 144 |
| Carbon tetrachloride | ND | | 20.0 | 14.7 | | ug/L | | 74 | 41 - 143 |
| Chlorobenzene | ND | | 20.0 | 17.9 | | ug/L | | 90 | 70 - 123 |
| Chloroethane | ND | | 20.0 | 19.4 | | ug/L | | 97 | 11 - 189 |
| Chloroform | ND | | 20.0 | 18.1 | | ug/L | | 90 | 68 - 130 |
| Chloromethane | ND | | 20.0 | 18.6 | | ug/L | | 93 | 31 - 154 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 17.2 | | ug/L | | 86 | 48 - 127 |
| Dibromochloromethane | ND | | 20.0 | 17.4 | | ug/L | | 87 | 60 - 129 |
| 1,1-Dichloroethane | ND | | 20.0 | 19.5 | | ug/L | | 97 | 63 - 136 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.2 | | ug/L | | 81 | 65 - 135 |
| 1,1-Dichloroethene | ND | | 20.0 | 18.0 | | ug/L | | 90 | 53 - 140 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 38.0 | | ug/L | | 95 | 68 - 130 |
| 1,2-Dichloropropane | ND | | 20.0 | 20.4 | | ug/L | | 102 | 70 - 132 |
| Ethylbenzene | ND | | 20.0 | 18.4 | | ug/L | | 92 | 66 - 120 |
| 2-Hexanone | ND | | 40.0 | 40.3 | | ug/L | | 101 | 42 - 150 |
| Methylene Chloride | ND | | 20.0 | 18.7 | | ug/L | | 94 | 61 - 130 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 39.2 | | ug/L | | 98 | 44 - 143 |
| Styrene | ND | | 20.0 | 18.0 | | ug/L | | 90 | 68 - 120 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 24.1 | | ug/L | | 120 | 60 - 137 |
| Tetrachloroethene | ND | | 20.0 | 15.9 | | ug/L | | 80 | 51 - 136 |
| Toluene | ND | | 20.0 | 18.9 | | ug/L | | 95 | 62 - 132 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 15.9 | | ug/L | | 80 | 40 - 125 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 16.2 | | ug/L | | 81 | 51 - 138 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 20.4 | | ug/L | | 102 | 76 - 132 |
| Trichloroethene | ND | | 20.0 | 16.5 | | ug/L | | 83 | 55 - 131 |
| Vinyl chloride | ND | | 20.0 | 19.2 | | ug/L | | 96 | 43 - 154 |
| Xylenes, Total | ND | | 40.0 | 37.7 | | ug/L | | 94 | 67 - 120 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 18.8 | | ug/L | | 94 | 68 - 133 |
| cis-1,2-Dichloroethene | ND | | 20.0 | 19.2 | | ug/L | | 96 | 64 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 377033**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 53.6 | | ug/L | | 134 | 10 - 168 | 7 | 35 |
| Benzene | ND | | 20.0 | 20.5 | | ug/L | | 102 | 71 - 122 | 2 | 22 |
| Bromodichloromethane | ND | | 20.0 | 17.3 | | ug/L | | 86 | 64 - 125 | 2 | 27 |

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

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 377033**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | | 20.0 | 15.9 | | ug/L | | 79 | 44 - 129 | 1 | 28 |
| Bromomethane | ND | | 20.0 | 17.8 | | ug/L | | 89 | 19 - 187 | 4 | 35 |
| 2-Butanone (MEK) | ND | | 40.0 | 41.7 | | ug/L | | 104 | 37 - 156 | 4 | 35 |
| Carbon disulfide | ND | | 20.0 | 20.3 | | ug/L | | 101 | 43 - 144 | 7 | 33 |
| Carbon tetrachloride | ND | | 20.0 | 15.0 | | ug/L | | 75 | 41 - 143 | 2 | 30 |
| Chlorobenzene | ND | | 20.0 | 18.0 | | ug/L | | 90 | 70 - 123 | 0 | 23 |
| Chloroethane | ND | | 20.0 | 20.1 | | ug/L | | 101 | 11 - 189 | 4 | 35 |
| Chloroform | ND | | 20.0 | 18.8 | | ug/L | | 94 | 68 - 130 | 4 | 23 |
| Chloromethane | ND | | 20.0 | 19.5 | | ug/L | | 97 | 31 - 154 | 5 | 35 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 17.2 | | ug/L | | 86 | 48 - 127 | 0 | 30 |
| Dibromochloromethane | ND | | 20.0 | 17.3 | | ug/L | | 87 | 60 - 129 | 0 | 26 |
| 1,1-Dichloroethane | ND | | 20.0 | 20.1 | | ug/L | | 101 | 63 - 136 | 3 | 23 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.2 | | ug/L | | 81 | 65 - 135 | 0 | 24 |
| 1,1-Dichloroethene | ND | | 20.0 | 19.3 | | ug/L | | 97 | 53 - 140 | 7 | 35 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 39.6 | | ug/L | | 99 | 68 - 130 | 4 | 21 |
| 1,2-Dichloropropane | ND | | 20.0 | 20.1 | | ug/L | | 101 | 70 - 132 | 1 | 26 |
| Ethylbenzene | ND | | 20.0 | 18.3 | | ug/L | | 92 | 66 - 120 | 0 | 24 |
| 2-Hexanone | ND | | 40.0 | 38.4 | | ug/L | | 96 | 42 - 150 | 5 | 35 |
| Methylene Chloride | ND | | 20.0 | 19.4 | | ug/L | | 97 | 61 - 130 | 4 | 29 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 37.5 | | ug/L | | 94 | 44 - 143 | 5 | 35 |
| Styrene | ND | | 20.0 | 18.1 | | ug/L | | 91 | 68 - 120 | 1 | 26 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 23.8 | | ug/L | | 119 | 60 - 137 | 1 | 31 |
| Tetrachloroethene | ND | | 20.0 | 15.8 | | ug/L | | 79 | 51 - 136 | 1 | 23 |
| Toluene | ND | | 20.0 | 18.9 | | ug/L | | 95 | 62 - 132 | 0 | 23 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 15.6 | | ug/L | | 78 | 40 - 125 | 2 | 27 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 16.3 | | ug/L | | 81 | 51 - 138 | 0 | 27 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 19.9 | | ug/L | | 100 | 76 - 132 | 3 | 25 |
| Trichloroethene | ND | | 20.0 | 17.0 | | ug/L | | 85 | 55 - 131 | 3 | 23 |
| Vinyl chloride | ND | | 20.0 | 20.1 | | ug/L | | 100 | 43 - 154 | 5 | 29 |
| Xylenes, Total | ND | | 40.0 | 38.1 | | ug/L | | 95 | 67 - 120 | 1 | 25 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 19.8 | | ug/L | | 99 | 68 - 133 | 5 | 24 |
| cis-1,2-Dichloroethene | ND | | 20.0 | 19.8 | | ug/L | | 99 | 64 - 130 | 3 | 21 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* |

**Lab Sample ID: MB 240-377223/8**
**Matrix: Water**
**Analysis Batch: 377223**

**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 | 5.4 | ug/L | | | 04/18/19 18:38 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 18:38 | 1 |

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

**Lab Sample ID: MB 240-377223/8**
**Matrix: Water**
**Analysis Batch: 377223**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 18:38 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 18:38 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 18:38 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 18:38 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 18:38 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 18:38 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/18/19 18:38* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 18:38* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/18/19 18:38* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/18/19 18:38* | *1* |

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 57.6 | | ug/L | | 144 | 21 - 162 |
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.3 | | ug/L | | 91 | 77 - 125 |
| Bromoform | 20.0 | 17.2 | | ug/L | | 86 | 49 - 141 |
| Bromomethane | 20.0 | 19.2 | | ug/L | | 96 | 41 - 175 |

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

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | 40.0 | 45.3 | | ug/L | | 113 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.6 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.1 | | ug/L | | 86 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 121 |
| Chloroethane | 20.0 | 20.9 | | ug/L | | 105 | 33 - 173 |
| Chloroform | 20.0 | 20.5 | | ug/L | | 102 | 79 - 127 |
| Chloromethane | 20.0 | 20.8 | | ug/L | | 104 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.3 | | ug/L | | 96 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.7 | | ug/L | | 108 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 16.8 | | ug/L | | 84 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 20.7 | | ug/L | | 103 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 42.9 | | ug/L | | 107 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.3 | | ug/L | | 107 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.5 | | ug/L | | 102 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.5 | | ug/L | | 104 | 43 - 148 |
| Methylene Chloride | 20.0 | 20.9 | | ug/L | | 105 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 41.0 | | ug/L | | 102 | 49 - 143 |
| Styrene | 20.0 | 20.1 | | ug/L | | 100 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.6 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 17.4 | | ug/L | | 87 | 74 - 130 |
| Toluene | 20.0 | 20.4 | | ug/L | | 102 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.2 | | ug/L | | 86 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.3 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 20.9 | | ug/L | | 105 | 78 - 133 |
| Trichloroethene | 20.0 | 18.1 | | ug/L | | 91 | 76 - 125 |
| Vinyl chloride | 20.0 | 21.9 | | ug/L | | 109 | 58 - 143 |
| Xylenes, Total | 40.0 | 42.2 | | ug/L | | 106 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.4 | | ug/L | | 107 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 108 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* |

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 55.9 | | ug/L | | 140 | 10 - 168 |
| Benzene | ND | | 20.0 | 21.6 | | ug/L | | 108 | 71 - 122 |
| Bromodichloromethane | ND | | 20.0 | 18.1 | | ug/L | | 91 | 64 - 125 |
| Bromoform | ND | | 20.0 | 16.7 | | ug/L | | 84 | 44 - 129 |
| Bromomethane | ND | | 20.0 | 19.0 | | ug/L | | 95 | 19 - 187 |
| 2-Butanone (MEK) | ND | | 40.0 | 44.3 | | ug/L | | 111 | 37 - 156 |

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

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | ND | | 20.0 | 22.7 | | ug/L | | 113 | 43 - 144 |
| Carbon tetrachloride | ND | | 20.0 | 17.0 | | ug/L | | 85 | 41 - 143 |
| Chlorobenzene | ND | | 20.0 | 19.2 | | ug/L | | 96 | 70 - 123 |
| Chloroethane | ND | | 20.0 | 21.4 | | ug/L | | 107 | 11 - 189 |
| Chloroform | ND | | 20.0 | 19.9 | | ug/L | | 99 | 68 - 130 |
| Chloromethane | ND | | 20.0 | 21.3 | | ug/L | | 107 | 31 - 154 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.4 | | ug/L | | 92 | 48 - 127 |
| Dibromochloromethane | ND | | 20.0 | 18.1 | | ug/L | | 90 | 60 - 129 |
| 1,1-Dichloroethane | ND | | 20.0 | 21.3 | | ug/L | | 107 | 63 - 136 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.8 | | ug/L | | 84 | 65 - 135 |
| 1,1-Dichloroethene | ND | | 20.0 | 20.7 | | ug/L | | 103 | 53 - 140 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 42.3 | | ug/L | | 106 | 68 - 130 |
| 1,2-Dichloropropane | ND | | 20.0 | 21.1 | | ug/L | | 106 | 70 - 132 |
| Ethylbenzene | ND | | 20.0 | 20.3 | | ug/L | | 102 | 66 - 120 |
| 2-Hexanone | ND | | 40.0 | 40.0 | | ug/L | | 100 | 42 - 150 |
| Methylene Chloride | ND | | 20.0 | 20.8 | | ug/L | | 104 | 61 - 130 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 39.6 | | ug/L | | 99 | 44 - 143 |
| Styrene | ND | | 20.0 | 19.7 | | ug/L | | 99 | 68 - 120 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 23.9 | | ug/L | | 119 | 60 - 137 |
| Tetrachloroethene | ND | | 20.0 | 17.5 | | ug/L | | 87 | 51 - 136 |
| Toluene | ND | | 20.0 | 20.4 | | ug/L | | 102 | 62 - 132 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 16.7 | | ug/L | | 84 | 40 - 125 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 18.2 | | ug/L | | 91 | 51 - 138 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 20.6 | | ug/L | | 103 | 76 - 132 |
| Trichloroethene | ND | | 20.0 | 18.2 | | ug/L | | 91 | 55 - 131 |
| Vinyl chloride | ND | | 20.0 | 22.0 | | ug/L | | 110 | 43 - 154 |
| Xylenes, Total | ND | | 40.0 | 41.8 | | ug/L | | 105 | 67 - 120 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 21.3 | | ug/L | | 106 | 68 - 133 |
| cis-1,2-Dichloroethene | ND | | 20.0 | 21.0 | | ug/L | | 105 | 64 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* |

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 56.2 | | ug/L | | 140 | 10 - 168 | 0 | 35 |
| Benzene | ND | | 20.0 | 22.1 | | ug/L | | 111 | 71 - 122 | 2 | 22 |
| Bromodichloromethane | ND | | 20.0 | 18.0 | | ug/L | | 90 | 64 - 125 | 1 | 27 |
| Bromoform | ND | | 20.0 | 16.7 | | ug/L | | 84 | 44 - 129 | 0 | 28 |
| Bromomethane | ND | | 20.0 | 19.0 | | ug/L | | 95 | 19 - 187 | 0 | 35 |
| 2-Butanone (MEK) | ND | | 40.0 | 44.7 | | ug/L | | 112 | 37 - 156 | 1 | 35 |
| Carbon disulfide | ND | | 20.0 | 22.9 | | ug/L | | 114 | 43 - 144 | 1 | 33 |

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

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | ND | | 20.0 | 17.1 | | ug/L | | 86 | 41 - 143 | 1 | 30 |
| Chlorobenzene | ND | | 20.0 | 19.7 | | ug/L | | 99 | 70 - 123 | 3 | 23 |
| Chloroethane | ND | | 20.0 | 21.5 | | ug/L | | 107 | 11 - 189 | 0 | 35 |
| Chloroform | ND | | 20.0 | 20.4 | | ug/L | | 102 | 68 - 130 | 2 | 23 |
| Chloromethane | ND | | 20.0 | 20.9 | | ug/L | | 105 | 31 - 154 | 2 | 35 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.8 | | ug/L | | 94 | 48 - 127 | 2 | 30 |
| Dibromochloromethane | ND | | 20.0 | 18.6 | | ug/L | | 93 | 60 - 129 | 3 | 26 |
| 1,1-Dichloroethane | ND | | 20.0 | 21.8 | | ug/L | | 109 | 63 - 136 | 2 | 23 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.8 | | ug/L | | 84 | 65 - 135 | 0 | 24 |
| 1,1-Dichloroethene | ND | | 20.0 | 21.4 | | ug/L | | 107 | 53 - 140 | 3 | 35 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 42.9 | | ug/L | | 107 | 68 - 130 | 1 | 21 |
| 1,2-Dichloropropane | ND | | 20.0 | 22.0 | | ug/L | | 110 | 70 - 132 | 4 | 26 |
| Ethylbenzene | ND | | 20.0 | 20.7 | | ug/L | | 104 | 66 - 120 | 2 | 24 |
| 2-Hexanone | ND | | 40.0 | 41.3 | | ug/L | | 103 | 42 - 150 | 3 | 35 |
| Methylene Chloride | ND | | 20.0 | 20.8 | | ug/L | | 104 | 61 - 130 | 0 | 29 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 40.3 | | ug/L | | 101 | 44 - 143 | 2 | 35 |
| Styrene | ND | | 20.0 | 20.3 | | ug/L | | 101 | 68 - 120 | 3 | 26 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 25.2 | | ug/L | | 126 | 60 - 137 | 5 | 31 |
| Tetrachloroethene | ND | | 20.0 | 17.6 | | ug/L | | 88 | 51 - 136 | 1 | 23 |
| Toluene | ND | | 20.0 | 20.8 | | ug/L | | 104 | 62 - 132 | 2 | 23 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 17.3 | | ug/L | | 87 | 40 - 125 | 3 | 27 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 18.6 | | ug/L | | 93 | 51 - 138 | 2 | 27 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 21.1 | | ug/L | | 106 | 76 - 132 | 2 | 25 |
| Trichloroethene | ND | | 20.0 | 18.2 | | ug/L | | 91 | 55 - 131 | 0 | 23 |
| Vinyl chloride | ND | | 20.0 | 22.4 | | ug/L | | 112 | 43 - 154 | 2 | 29 |
| Xylenes, Total | ND | | 40.0 | 42.6 | | ug/L | | 107 | 67 - 120 | 2 | 25 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 21.3 | | ug/L | | 107 | 68 - 133 | 0 | 24 |
| cis-1,2-Dichloroethene | ND | | 20.0 | 21.6 | | ug/L | | 108 | 64 - 130 | 3 | 21 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

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

**Lab Sample ID: MB 240-376025/18-A**
**Matrix: Water**
**Analysis Batch: 376614**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |

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

**Lab Sample ID: MB 240-376025/18-A**
**Matrix: Water**
**Analysis Batch: 376614**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Diethyl phthalate | ND | | 5.0 | 3.8 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |

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

**Lab Sample ID: MB 240-376025/18-A**
**Matrix: Water**
**Analysis Batch: 376614**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/11/19 10:31 | 04/16/19 07:10 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *69* | | *32 - 120* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |
| *2-Fluorophenol (Surr)* | *57* | | *17 - 120* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |
| *Phenol-d5 (Surr)* | *42* | | *15 - 120* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |
| *Terphenyl-d14 (Surr)* | *86* | | *28 - 128* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *80* | | *33 - 120* | *04/11/19 10:31* | *04/16/19 07:10* | *1* |

**Lab Sample ID: LCS 240-376025/19-A**
**Matrix: Water**
**Analysis Batch: 376614**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 23.5 | | ug/L | | 73 | 59 - 120 |
| Acenaphthylene | 32.0 | 24.3 | | ug/L | | 76 | 59 - 120 |
| Anthracene | 32.0 | 23.6 | | ug/L | | 74 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 25.2 | | ug/L | | 79 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 27.2 | | ug/L | | 85 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 27.5 | | ug/L | | 86 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 25.6 | | ug/L | | 80 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 25.8 | | ug/L | | 80 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.1 | | ug/L | | 75 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 29.3 | | ug/L | | 92 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 29.0 | | ug/L | | 91 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 27.7 | | ug/L | | 86 | 53 - 120 |
| Carbazole | 32.0 | 24.6 | | ug/L | | 77 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 13.1 | | ug/L | | 41 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 27.1 | | ug/L | | 85 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 23.5 | | ug/L | | 73 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 26.5 | | ug/L | | 83 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 24.4 | | ug/L | | 76 | 62 - 120 |
| Chrysene | 32.0 | 24.6 | | ug/L | | 77 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 28.2 | | ug/L | | 88 | 62 - 120 |
| Dibenzofuran | 32.0 | 23.5 | | ug/L | | 73 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 23.3 | | ug/L | | 73 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 21.8 | | ug/L | | 68 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 22.4 | | ug/L | | 70 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 52.6 | | ug/L | | 82 | 54 - 120 |

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

**Lab Sample ID: LCS 240-376025/19-A**
**Matrix: Water**
**Analysis Batch: 376614**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2,4-Dichlorophenol | 32.0 | 29.9 | | ug/L | | 93 | 57 - 120 |
| Diethyl phthalate | 32.0 | 24.6 | | ug/L | | 77 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 26.5 | | ug/L | | 83 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.6 | | ug/L | | 77 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 25.7 | | ug/L | | 80 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 73.4 | | ug/L | | 115 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 51.2 | | ug/L | | 80 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.1 | | ug/L | | 88 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 27.3 | | ug/L | | 85 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 30.5 | | ug/L | | 95 | 58 - 120 |
| Fluoranthene | 32.0 | 24.7 | | ug/L | | 77 | 62 - 120 |
| Fluorene | 32.0 | 24.5 | | ug/L | | 77 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 28.8 | | ug/L | | 90 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 24.1 | | ug/L | | 75 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 22.7 | | ug/L | | 71 | 30 - 120 |
| Hexachloroethane | 32.0 | 22.4 | | ug/L | | 70 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.3 | | ug/L | | 89 | 62 - 120 |
| Isophorone | 32.0 | 25.8 | | ug/L | | 81 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 24.2 | | ug/L | | 76 | 58 - 120 |
| 2-Methylphenol | 32.0 | 23.8 | | ug/L | | 74 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 24.5 | | ug/L | | 76 | 50 - 120 |
| Naphthalene | 32.0 | 23.2 | | ug/L | | 73 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 28.0 | | ug/L | | 87 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 26.4 | | ug/L | | 82 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 30.4 | | ug/L | | 95 | 54 - 135 |
| Nitrobenzene | 32.0 | 26.4 | | ug/L | | 83 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.2 | | ug/L | | 97 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 32.2 | | ug/L | | 50 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 25.2 | | ug/L | | 79 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 28.8 | | ug/L | | 90 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 19.9 | | ug/L | | 62 | 50 - 120 |
| Pentachlorophenol | 64.0 | 52.7 | | ug/L | | 82 | 30 - 120 |
| Phenanthrene | 32.0 | 23.6 | | ug/L | | 74 | 59 - 120 |
| Phenol | 32.0 | 15.5 | | ug/L | | 49 | 25 - 120 |
| Pyrene | 32.0 | 25.2 | | ug/L | | 79 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 23.6 | | ug/L | | 74 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 24.1 | | ug/L | | 75 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 27.1 | | ug/L | | 85 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *86* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *89* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *91* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *99* | | *33 - 120* |

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

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 21.7 | | ug/L | | 76 | 31 - 120 |
| Acenaphthylene | ND | | 28.6 | 22.4 | | ug/L | | 78 | 27 - 120 |
| Anthracene | ND | | 28.6 | 19.1 | | ug/L | | 67 | 33 - 120 |
| Benzo[a]anthracene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 31 - 120 |
| Benzo[a]pyrene | ND | | 28.6 | 22.3 | | ug/L | | 78 | 22 - 124 |
| Benzo[b]fluoranthene | ND | | 28.6 | 23.6 | | ug/L | | 83 | 25 - 124 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 23.7 | | ug/L | | 83 | 14 - 123 |
| Benzo[k]fluoranthene | ND | | 28.6 | 23.4 | | ug/L | | 82 | 24 - 124 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 21.7 | | ug/L | | 76 | 48 - 120 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 20.6 | | ug/L | | 72 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 24.5 | | ug/L | | 86 | 10 - 126 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.7 | | ug/L | | 76 | 44 - 120 |
| Butylbenzylphthalate | ND | | 28.6 | 23.2 | | ug/L | | 81 | 32 - 120 |
| Carbazole | ND | | 28.6 | 19.5 | | ug/L | | 68 | 15 - 159 |
| 4-Chloroaniline | ND | | 28.6 | 6.78 | | ug/L | | 24 | 10 - 162 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 25.4 | | ug/L | | 89 | 39 - 120 |
| 2-Chloronaphthalene | ND | | 28.6 | 20.1 | | ug/L | | 70 | 40 - 120 |
| 2-Chlorophenol | ND | | 28.6 | 21.9 | | ug/L | | 77 | 52 - 120 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 23.0 | | ug/L | | 80 | 42 - 120 |
| Chrysene | ND | | 28.6 | 21.0 | | ug/L | | 74 | 32 - 120 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 24.2 | | ug/L | | 85 | 16 - 124 |
| Dibenzofuran | ND | | 28.6 | 21.2 | | ug/L | | 74 | 40 - 120 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 17.1 | | ug/L | | 60 | 41 - 120 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 15.8 | | ug/L | | 55 | 38 - 120 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 16.5 | | ug/L | | 58 | 39 - 120 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 38.5 | | ug/L | | 67 | 10 - 121 |
| 2,4-Dichlorophenol | ND | | 28.6 | 25.1 | | ug/L | | 88 | 43 - 120 |
| Diethyl phthalate | ND | | 28.6 | 22.2 | | ug/L | | 78 | 29 - 120 |
| 2,4-Dimethylphenol | ND | | 28.6 | 21.5 | | ug/L | | 75 | 40 - 120 |
| Dimethyl phthalate | ND | | 28.6 | 21.9 | | ug/L | | 77 | 32 - 120 |
| Di-n-butyl phthalate | ND | | 28.6 | 20.8 | | ug/L | | 73 | 34 - 120 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 50.7 | | ug/L | | 89 | 25 - 120 |
| 2,4-Dinitrophenol | ND | | 57.1 | 47.4 | | ug/L | | 83 | 10 - 120 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 54 - 120 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 55 - 120 |
| Di-n-octyl phthalate | ND | | 28.6 | 29.4 | | ug/L | | 103 | 13 - 134 |
| Fluoranthene | ND | | 28.6 | 17.0 | | ug/L | | 60 | 34 - 120 |
| Fluorene | ND | | 28.6 | 21.1 | | ug/L | | 74 | 34 - 120 |
| Hexachlorobenzene | ND | | 28.6 | 19.1 | | ug/L | | 67 | 42 - 120 |
| Hexachlorobutadiene | ND | | 28.6 | 19.8 | | ug/L | | 69 | 29 - 120 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 19.8 | | ug/L | | 69 | 17 - 120 |
| Hexachloroethane | ND | | 28.6 | 15.0 | | ug/L | | 53 | 16 - 120 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 16 - 125 |
| Isophorone | ND | | 28.6 | 22.6 | | ug/L | | 79 | 48 - 120 |
| 2-Methylnaphthalene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 30 - 120 |
| 2-Methylphenol | ND | | 28.6 | 21.5 | | ug/L | | 75 | 47 - 120 |
| 3 & 4 Methylphenol | ND | | 28.6 | 20.9 | | ug/L | | 73 | 44 - 120 |
| Naphthalene | ND | | 28.6 | 19.5 | | ug/L | | 68 | 19 - 120 |

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

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nitroaniline | ND | | 28.6 | 27.0 | | ug/L | | 95 | 45 - 120 |
| 3-Nitroaniline | ND | | 28.6 | 22.4 | | ug/L | | 78 | 10 - 177 |
| 4-Nitroaniline | ND | | 28.6 | 25.3 | | ug/L | | 88 | 12 - 131 |
| Nitrobenzene | ND | | 28.6 | 23.6 | | ug/L | | 82 | 39 - 120 |
| 2-Nitrophenol | ND | | 28.6 | 25.9 | | ug/L | | 91 | 51 - 120 |
| 4-Nitrophenol | ND | | 57.1 | 32.0 | | ug/L | | 56 | 13 - 120 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 21.5 | | ug/L | | 75 | 47 - 120 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 19.6 | | ug/L | | 69 | 45 - 120 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 22.8 | | ug/L | | 80 | 41 - 120 |
| Pentachlorophenol | ND | | 57.1 | 33.5 | | ug/L | | 59 | 29 - 120 |
| Phenanthrene | ND | | 28.6 | 18.8 | | ug/L | | 66 | 33 - 120 |
| Phenol | ND | | 28.6 | 15.4 | | ug/L | | 54 | 24 - 120 |
| Pyrene | ND | | 28.6 | 21.9 | | ug/L | | 76 | 36 - 120 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 20.1 | | ug/L | | 70 | 40 - 120 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 22.6 | | ug/L | | 79 | 49 - 120 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 24.8 | | ug/L | | 87 | 47 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *84* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *89* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *56* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *83* | | *33 - 120* |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 22.1 | | ug/L | | 77 | 31 - 120 | 2 | 35 |
| Acenaphthylene | ND | | 28.6 | 22.8 | | ug/L | | 80 | 27 - 120 | 2 | 35 |
| Anthracene | ND | | 28.6 | 19.7 | | ug/L | | 69 | 33 - 120 | 3 | 35 |
| Benzo[a]anthracene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 31 - 120 | 3 | 35 |
| Benzo[a]pyrene | ND | | 28.6 | 23.3 | | ug/L | | 81 | 22 - 124 | 4 | 35 |
| Benzo[b]fluoranthene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 25 - 124 | 3 | 35 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 23.9 | | ug/L | | 84 | 14 - 123 | 1 | 35 |
| Benzo[k]fluoranthene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 24 - 124 | 4 | 35 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 23.1 | | ug/L | | 81 | 48 - 120 | 6 | 29 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 21.6 | | ug/L | | 76 | 45 - 120 | 5 | 31 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 23.9 | | ug/L | | 84 | 10 - 126 | 2 | 35 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.7 | | ug/L | | 76 | 44 - 120 | 0 | 32 |
| Butylbenzylphthalate | ND | | 28.6 | 23.3 | | ug/L | | 81 | 32 - 120 | 0 | 35 |
| Carbazole | ND | | 28.6 | 20.1 | | ug/L | | 70 | 15 - 159 | 3 | 33 |
| 4-Chloroaniline | ND | | 28.6 | 9.51 | | ug/L | | 33 | 10 - 162 | 34 | 35 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 26.4 | | ug/L | | 93 | 39 - 120 | 4 | 31 |
| 2-Chloronaphthalene | ND | | 28.6 | 20.5 | | ug/L | | 72 | 40 - 120 | 2 | 35 |
| 2-Chlorophenol | ND | | 28.6 | 23.8 | | ug/L | | 83 | 52 - 120 | 8 | 33 |

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

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| 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 | 24.1 | | ug/L | | 84 | 42 - 120 | 5 | 33 |
| Chrysene | ND | | 28.6 | 22.1 | | ug/L | | 77 | 32 - 120 | 5 | 35 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 24.9 | | ug/L | | 87 | 16 - 124 | 3 | 35 |
| Dibenzofuran | ND | | 28.6 | 22.2 | | ug/L | | 78 | 40 - 120 | 5 | 35 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 18.1 | | ug/L | | 63 | 41 - 120 | 5 | 24 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 17.1 | | ug/L | | 60 | 38 - 120 | 8 | 26 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 17.2 | | ug/L | | 60 | 39 - 120 | 4 | 26 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 39.0 | | ug/L | | 68 | 10 - 121 | 1 | 35 |
| 2,4-Dichlorophenol | ND | | 28.6 | 26.7 | | ug/L | | 93 | 43 - 120 | 6 | 35 |
| Diethyl phthalate | ND | | 28.6 | 23.8 | | ug/L | | 83 | 29 - 120 | 7 | 35 |
| 2,4-Dimethylphenol | ND | | 28.6 | 22.0 | | ug/L | | 77 | 40 - 120 | 2 | 29 |
| Dimethyl phthalate | ND | | 28.6 | 22.8 | | ug/L | | 80 | 32 - 120 | 4 | 35 |
| Di-n-butyl phthalate | ND | | 28.6 | 21.0 | | ug/L | | 73 | 34 - 120 | 1 | 35 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 53.2 | | ug/L | | 93 | 25 - 120 | 5 | 29 |
| 2,4-Dinitrophenol | ND | | 57.1 | 51.3 | | ug/L | | 90 | 10 - 120 | 8 | 31 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 25.5 | | ug/L | | 89 | 54 - 120 | 5 | 25 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 25.7 | | ug/L | | 90 | 55 - 120 | 7 | 26 |
| Di-n-octyl phthalate | ND | | 28.6 | 28.6 | | ug/L | | 100 | 13 - 134 | 3 | 35 |
| Fluoranthene | ND | | 28.6 | 21.6 | | ug/L | | 76 | 34 - 120 | 24 | 35 |
| Fluorene | ND | | 28.6 | 22.1 | | ug/L | | 77 | 34 - 120 | 5 | 35 |
| Hexachlorobenzene | ND | | 28.6 | 19.2 | | ug/L | | 67 | 42 - 120 | 1 | 33 |
| Hexachlorobutadiene | ND | | 28.6 | 19.6 | | ug/L | | 69 | 29 - 120 | 1 | 35 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 19.8 | | ug/L | | 69 | 17 - 120 | 0 | 33 |
| Hexachloroethane | ND | | 28.6 | 16.5 | | ug/L | | 58 | 16 - 120 | 10 | 35 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.4 | | ug/L | | 86 | 16 - 125 | 1 | 35 |
| Isophorone | ND | | 28.6 | 24.0 | | ug/L | | 84 | 48 - 120 | 6 | 28 |
| 2-Methylnaphthalene | ND | | 28.6 | 20.2 | | ug/L | | 71 | 30 - 120 | 1 | 35 |
| 2-Methylphenol | ND | | 28.6 | 23.3 | | ug/L | | 81 | 47 - 120 | 8 | 30 |
| 3 & 4 Methylphenol | ND | | 28.6 | 23.5 | | ug/L | | 82 | 44 - 120 | 12 | 27 |
| Naphthalene | ND | | 28.6 | 20.5 | | ug/L | | 72 | 19 - 120 | 5 | 35 |
| 2-Nitroaniline | ND | | 28.6 | 28.4 | | ug/L | | 99 | 45 - 120 | 5 | 28 |
| 3-Nitroaniline | ND | | 28.6 | 24.5 | | ug/L | | 86 | 10 - 177 | 9 | 35 |
| 4-Nitroaniline | ND | | 28.6 | 26.9 | | ug/L | | 94 | 12 - 131 | 6 | 35 |
| Nitrobenzene | ND | | 28.6 | 24.8 | | ug/L | | 87 | 39 - 120 | 5 | 30 |
| 2-Nitrophenol | ND | | 28.6 | 27.6 | | ug/L | | 97 | 51 - 120 | 6 | 29 |
| 4-Nitrophenol | ND | | 57.1 | 33.9 | | ug/L | | 59 | 13 - 120 | 6 | 30 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 23.3 | | ug/L | | 82 | 47 - 120 | 8 | 33 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 20.6 | | ug/L | | 72 | 45 - 120 | 5 | 26 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 23.8 | | ug/L | | 83 | 41 - 120 | 5 | 33 |
| Pentachlorophenol | ND | | 57.1 | 35.6 | | ug/L | | 62 | 29 - 120 | 6 | 31 |
| Phenanthrene | ND | | 28.6 | 19.5 | | ug/L | | 68 | 33 - 120 | 4 | 35 |
| Phenol | ND | | 28.6 | 17.1 | | ug/L | | 60 | 24 - 120 | 11 | 35 |
| Pyrene | ND | | 28.6 | 22.9 | | ug/L | | 80 | 36 - 120 | 5 | 35 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 20.3 | | ug/L | | 71 | 40 - 120 | 1 | 26 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 23.6 | | ug/L | | 83 | 49 - 120 | 4 | 30 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 26.0 | | ug/L | | 91 | 47 - 120 | 4 | 35 |

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

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *97* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *93* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *65* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *90* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *86* | | *33 - 120* |

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 23.5 | | ug/L | | 82 | 31 - 120 |
| Acenaphthylene | ND | | 28.6 | 23.9 | | ug/L | | 84 | 27 - 120 |
| Anthracene | ND | | 28.6 | 20.1 | | ug/L | | 70 | 33 - 120 |
| Benzo[a]anthracene | ND | | 28.6 | 22.6 | | ug/L | | 79 | 31 - 120 |
| Benzo[a]pyrene | ND | | 28.6 | 23.4 | | ug/L | | 82 | 22 - 124 |
| Benzo[b]fluoranthene | ND | | 28.6 | 24.8 | | ug/L | | 87 | 25 - 124 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 14 - 123 |
| Benzo[k]fluoranthene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 24 - 124 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 23.9 | | ug/L | | 84 | 48 - 120 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 22.0 | | ug/L | | 77 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 25.9 | | ug/L | | 91 | 10 - 126 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 22.3 | | ug/L | | 78 | 44 - 120 |
| Butylbenzylphthalate | ND | | 28.6 | 24.8 | | ug/L | | 87 | 32 - 120 |
| Carbazole | ND | | 28.6 | 20.5 | | ug/L | | 72 | 15 - 159 |
| 4-Chloroaniline | ND | | 28.6 | 23.1 | | ug/L | | 81 | 10 - 162 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 26.5 | | ug/L | | 93 | 39 - 120 |
| 2-Chloronaphthalene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 40 - 120 |
| 2-Chlorophenol | ND | | 28.6 | 23.9 | | ug/L | | 84 | 52 - 120 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 25.3 | | ug/L | | 88 | 42 - 120 |
| Chrysene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 32 - 120 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 24.4 | | ug/L | | 85 | 16 - 124 |
| Dibenzofuran | ND | | 28.6 | 23.3 | | ug/L | | 82 | 40 - 120 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 18.5 | | ug/L | | 65 | 41 - 120 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 17.8 | | ug/L | | 62 | 38 - 120 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 18.0 | | ug/L | | 63 | 39 - 120 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 42.8 | | ug/L | | 75 | 10 - 121 |
| 2,4-Dichlorophenol | ND | | 28.6 | 27.2 | | ug/L | | 95 | 43 - 120 |
| Diethyl phthalate | ND | | 28.6 | 25.3 | | ug/L | | 89 | 29 - 120 |
| 2,4-Dimethylphenol | ND | | 28.6 | 23.4 | | ug/L | | 82 | 40 - 120 |
| Dimethyl phthalate | ND | | 28.6 | 23.4 | | ug/L | | 82 | 32 - 120 |
| Di-n-butyl phthalate | ND | | 28.6 | 22.4 | | ug/L | | 78 | 34 - 120 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 53.4 | | ug/L | | 93 | 25 - 120 |
| 2,4-Dinitrophenol | ND | | 57.1 | 48.6 | | ug/L | | 85 | 10 - 120 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 26.5 | | ug/L | | 93 | 54 - 120 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 25.4 | | ug/L | | 89 | 55 - 120 |
| Di-n-octyl phthalate | ND | | 28.6 | 30.0 | | ug/L | | 105 | 13 - 134 |

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

**Lab Sample ID: 240-110752-9 MS**
**Client Sample ID: GW-040919-NK-005**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376831**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 34 - 120 |
| Fluorene | ND | | 28.6 | 23.5 | | ug/L | | 82 | 34 - 120 |
| Hexachlorobenzene | ND | | 28.6 | 19.8 | | ug/L | | 69 | 42 - 120 |
| Hexachlorobutadiene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 29 - 120 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 17 - 120 |
| Hexachloroethane | ND | | 28.6 | 17.2 | | ug/L | | 60 | 16 - 120 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.9 | | ug/L | | 87 | 16 - 125 |
| Isophorone | ND | | 28.6 | 24.4 | | ug/L | | 85 | 48 - 120 |
| 2-Methylnaphthalene | ND | | 28.6 | 22.0 | | ug/L | | 77 | 30 - 120 |
| 2-Methylphenol | ND | | 28.6 | 23.6 | | ug/L | | 82 | 47 - 120 |
| 3 & 4 Methylphenol | ND | | 28.6 | 22.8 | | ug/L | | 80 | 44 - 120 |
| Naphthalene | ND | | 28.6 | 22.0 | | ug/L | | 77 | 19 - 120 |
| 2-Nitroaniline | ND | | 28.6 | 28.6 | | ug/L | | 100 | 45 - 120 |
| 3-Nitroaniline | ND | | 28.6 | 26.2 | | ug/L | | 92 | 10 - 177 |
| 4-Nitroaniline | ND | | 28.6 | 28.5 | | ug/L | | 100 | 12 - 131 |
| Nitrobenzene | ND | | 28.6 | 25.2 | | ug/L | | 88 | 39 - 120 |
| 2-Nitrophenol | ND | | 28.6 | 28.1 | | ug/L | | 98 | 51 - 120 |
| 4-Nitrophenol | ND | | 57.1 | 32.7 | | ug/L | | 57 | 13 - 120 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 23.2 | | ug/L | | 81 | 47 - 120 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 20.9 | | ug/L | | 73 | 45 - 120 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 23.9 | | ug/L | | 84 | 41 - 120 |
| Pentachlorophenol | ND | | 57.1 | 35.5 | | ug/L | | 62 | 29 - 120 |
| Phenanthrene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 33 - 120 |
| Phenol | ND | | 28.6 | 15.2 | | ug/L | | 53 | 24 - 120 |
| Pyrene | ND | | 28.6 | 23.4 | | ug/L | | 82 | 36 - 120 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 21.9 | | ug/L | | 77 | 40 - 120 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 23.1 | | ug/L | | 81 | 49 - 120 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 30.3 | | ug/L | | 106 | 47 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *86* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *95* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *56* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *87* | | *33 - 120* |

**Lab Sample ID: 240-110752-9 MSD**
**Client Sample ID: GW-040919-NK-005**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376831**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 23.0 | | ug/L | | 80 | 31 - 120 | 2 | 35 |
| Acenaphthylene | ND | | 28.6 | 23.8 | | ug/L | | 83 | 27 - 120 | 0 | 35 |
| Anthracene | ND | | 28.6 | 20.4 | | ug/L | | 71 | 33 - 120 | 2 | 35 |
| Benzo[a]anthracene | ND | | 28.6 | 23.1 | | ug/L | | 81 | 31 - 120 | 2 | 35 |
| Benzo[a]pyrene | ND | | 28.6 | 23.9 | | ug/L | | 84 | 22 - 124 | 2 | 35 |
| Benzo[b]fluoranthene | ND | | 28.6 | 25.6 | | ug/L | | 90 | 25 - 124 | 3 | 35 |

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

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 28.6 | 25.3 | | ug/L | | 89 | 14 - 123 | 4 | 35 |
| Benzo[k]fluoranthene | ND | | 28.6 | 24.8 | | ug/L | | 87 | 24 - 124 | 3 | 35 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 24.3 | | ug/L | | 85 | 48 - 120 | 2 | 29 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 22.4 | | ug/L | | 78 | 45 - 120 | 2 | 31 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 26.7 | | ug/L | | 94 | 10 - 126 | 3 | 35 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 22.6 | | ug/L | | 79 | 44 - 120 | 1 | 32 |
| Butylbenzylphthalate | ND | | 28.6 | 25.4 | | ug/L | | 89 | 32 - 120 | 2 | 35 |
| Carbazole | ND | | 28.6 | 20.7 | | ug/L | | 72 | 15 - 159 | 1 | 33 |
| 4-Chloroaniline | ND | | 28.6 | 22.2 | | ug/L | | 78 | 10 - 162 | 4 | 35 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 26.9 | | ug/L | | 94 | 39 - 120 | 1 | 31 |
| 2-Chloronaphthalene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 40 - 120 | 0 | 35 |
| 2-Chlorophenol | ND | | 28.6 | 24.3 | | ug/L | | 85 | 52 - 120 | 2 | 33 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 20.0 | | ug/L | | 70 | 42 - 120 | 23 | 33 |
| Chrysene | ND | | 28.6 | 22.5 | | ug/L | | 79 | 32 - 120 | 1 | 35 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 25.6 | | ug/L | | 89 | 16 - 124 | 5 | 35 |
| Dibenzofuran | ND | | 28.6 | 22.4 | | ug/L | | 78 | 40 - 120 | 4 | 35 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 19.1 | | ug/L | | 67 | 41 - 120 | 3 | 24 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 19.5 | | ug/L | | 68 | 38 - 120 | 9 | 26 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 18.8 | | ug/L | | 66 | 39 - 120 | 4 | 26 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 42.0 | | ug/L | | 74 | 10 - 121 | 2 | 35 |
| 2,4-Dichlorophenol | ND | | 28.6 | 27.0 | | ug/L | | 95 | 43 - 120 | 1 | 35 |
| Diethyl phthalate | ND | | 28.6 | 20.6 | | ug/L | | 72 | 29 - 120 | 20 | 35 |
| 2,4-Dimethylphenol | ND | | 28.6 | 23.8 | | ug/L | | 83 | 40 - 120 | 2 | 29 |
| Dimethyl phthalate | ND | | 28.6 | 23.3 | | ug/L | | 81 | 32 - 120 | 0 | 35 |
| Di-n-butyl phthalate | ND | | 28.6 | 22.7 | | ug/L | | 80 | 34 - 120 | 1 | 35 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 55.0 | | ug/L | | 96 | 25 - 120 | 3 | 29 |
| 2,4-Dinitrophenol | ND | | 57.1 | 51.5 | | ug/L | | 90 | 10 - 120 | 6 | 31 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 25.5 | | ug/L | | 89 | 54 - 120 | 4 | 25 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 25.2 | | ug/L | | 88 | 55 - 120 | 1 | 26 |
| Di-n-octyl phthalate | ND | | 28.6 | 31.2 | | ug/L | | 109 | 13 - 134 | 4 | 35 |
| Fluoranthene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 34 - 120 | 0 | 35 |
| Fluorene | ND | | 28.6 | 18.7 | | ug/L | | 66 | 34 - 120 | 23 | 35 |
| Hexachlorobenzene | ND | | 28.6 | 20.1 | | ug/L | | 70 | 42 - 120 | 1 | 33 |
| Hexachlorobutadiene | ND | | 28.6 | 21.8 | | ug/L | | 76 | 29 - 120 | 3 | 35 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 20.9 | | ug/L | | 73 | 17 - 120 | 15 | 33 |
| Hexachloroethane | ND | | 28.6 | 17.7 | | ug/L | | 62 | 16 - 120 | 3 | 35 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 25.4 | | ug/L | | 89 | 16 - 125 | 2 | 35 |
| Isophorone | ND | | 28.6 | 24.7 | | ug/L | | 86 | 48 - 120 | 1 | 28 |
| 2-Methylnaphthalene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 30 - 120 | 3 | 35 |
| 2-Methylphenol | ND | | 28.6 | 23.7 | | ug/L | | 83 | 47 - 120 | 1 | 30 |
| 3 & 4 Methylphenol | ND | | 28.6 | 23.2 | | ug/L | | 81 | 44 - 120 | 2 | 27 |
| Naphthalene | ND | | 28.6 | 21.8 | | ug/L | | 76 | 19 - 120 | 1 | 35 |
| 2-Nitroaniline | ND | | 28.6 | 29.0 | | ug/L | | 102 | 45 - 120 | 1 | 28 |
| 3-Nitroaniline | ND | | 28.6 | 25.5 | | ug/L | | 89 | 10 - 177 | 3 | 35 |
| 4-Nitroaniline | ND | | 28.6 | 22.6 | | ug/L | | 79 | 12 - 131 | 23 | 35 |
| Nitrobenzene | ND | | 28.6 | 25.8 | | ug/L | | 90 | 39 - 120 | 2 | 30 |
| 2-Nitrophenol | ND | | 28.6 | 28.5 | | ug/L | | 100 | 51 - 120 | 1 | 29 |
| 4-Nitrophenol | ND | | 57.1 | 35.5 | | ug/L | | 62 | 13 - 120 | 8 | 30 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 24.0 | | ug/L | | 84 | 47 - 120 | 3 | 33 |

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

**Lab Sample ID: 240-110752-9 MSD**
**Client Sample ID: GW-040919-NK-005**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376831**
**Prep Batch: 376025**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 28.6 | 21.1 | | ug/L | | 74 | 45 - 120 | 1 | 26 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 24.4 | | ug/L | | 86 | 41 - 120 | 2 | 33 |
| Pentachlorophenol | ND | | 57.1 | 36.3 | | ug/L | | 64 | 29 - 120 | 2 | 31 |
| Phenanthrene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 33 - 120 | 0 | 35 |
| Phenol | ND | | 28.6 | 16.1 | | ug/L | | 56 | 24 - 120 | 6 | 35 |
| Pyrene | ND | | 28.6 | 23.6 | | ug/L | | 83 | 36 - 120 | 1 | 35 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 40 - 120 | 1 | 26 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 23.4 | | ug/L | | 82 | 49 - 120 | 1 | 30 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 25.7 | | ug/L | | 90 | 47 - 120 | 17 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *87* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *91* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *96* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *61* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *90* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 240-376021/1-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total Recoverable**
**Analysis Batch: 376401**
**Prep Batch: 376021**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Chromium | 5.44 | J | 10 | 0.63 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Iron | 30.3 | J | 200 | 26 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/11/19 14:00 | 04/12/19 18:10 | 1 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 240-376021/2-A**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | 2000 | | ug/L | | 100 | 80 - 120 |
| Antimony | 500 | 526 | | ug/L | | 105 | 80 - 120 |
| Arsenic | 2000 | 2050 | | ug/L | | 102 | 80 - 120 |
| Barium | 2000 | 1940 | | ug/L | | 97 | 80 - 120 |
| Beryllium | 50.0 | 49.6 | | ug/L | | 99 | 80 - 120 |
| Cadmium | 50.0 | 52.0 | | ug/L | | 104 | 80 - 120 |
| Calcium | 50000 | 48700 | | ug/L | | 97 | 80 - 120 |
| Chromium | 200 | 200 | | ug/L | | 100 | 80 - 120 |
| Cobalt | 500 | 501 | | ug/L | | 100 | 80 - 120 |
| Copper | 250 | 252 | | ug/L | | 101 | 80 - 120 |
| Iron | 1000 | 1030 | | ug/L | | 103 | 80 - 120 |
| Lead | 500 | 496 | | ug/L | | 99 | 80 - 120 |
| Magnesium | 50000 | 50700 | | ug/L | | 101 | 80 - 120 |
| Manganese | 500 | 510 | | ug/L | | 102 | 80 - 120 |
| Nickel | 500 | 508 | | ug/L | | 102 | 80 - 120 |
| Potassium | 50000 | 49500 | | ug/L | | 99 | 80 - 120 |
| Selenium | 2000 | 2170 | | ug/L | | 108 | 80 - 120 |
| Silver | 50.0 | 52.5 | | ug/L | | 105 | 80 - 120 |
| Sodium | 50000 | 49800 | | ug/L | | 100 | 80 - 120 |
| Thallium | 2000 | 2000 | | ug/L | | 100 | 80 - 120 |
| Vanadium | 500 | 496 | | ug/L | | 99 | 80 - 120 |
| Zinc | 500 | 520 | | ug/L | | 104 | 80 - 120 |

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 2130 | | ug/L | | 106 | 75 - 125 |
| Antimony | ND | | 500 | 543 | | ug/L | | 109 | 75 - 125 |
| Arsenic | ND | | 2000 | 2160 | | ug/L | | 108 | 75 - 125 |
| Barium | 7.6 | J | 2000 | 2000 | | ug/L | | 100 | 75 - 125 |
| Beryllium | ND | | 50.0 | 50.9 | | ug/L | | 102 | 75 - 125 |
| Cadmium | 0.43 | J | 50.0 | 53.4 | | ug/L | | 106 | 75 - 125 |
| Calcium | 200000 | | 50000 | 248000 | 4 | ug/L | | 89 | 75 - 125 |
| Chromium | 1.0 | J B | 200 | 208 | | ug/L | | 103 | 75 - 125 |
| Cobalt | ND | | 500 | 534 | | ug/L | | 107 | 75 - 125 |
| Copper | ND | | 250 | 259 | | ug/L | | 104 | 75 - 125 |
| Iron | 1800 | B | 1000 | 2860 | | ug/L | | 103 | 75 - 125 |
| Lead | ND | | 500 | 482 | | ug/L | | 96 | 75 - 125 |
| Magnesium | 81000 | | 50000 | 132000 | | ug/L | | 104 | 75 - 125 |
| Manganese | 480 | | 500 | 1000 | | ug/L | | 103 | 75 - 125 |
| Nickel | 2.3 | J | 500 | 541 | | ug/L | | 108 | 75 - 125 |
| Potassium | 15000 | | 50000 | 66800 | | ug/L | | 104 | 75 - 125 |
| Selenium | ND | | 2000 | 2260 | | ug/L | | 113 | 75 - 125 |
| Silver | ND | | 50.0 | 55.4 | | ug/L | | 111 | 75 - 125 |
| Thallium | ND | | 2000 | 1950 | | ug/L | | 97 | 75 - 125 |
| Vanadium | ND | | 500 | 514 | | ug/L | | 103 | 75 - 125 |
| Zinc | 13 | J | 500 | 581 | | ug/L | | 114 | 75 - 125 |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 490000 | | 50000 | 510000 | 4 | ug/L | | 33 | 75 - 125 |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 2170 | | ug/L | | 108 | 75 - 125 | 2 | 20 |
| Antimony | ND | | 500 | 572 | | ug/L | | 114 | 75 - 125 | 5 | 20 |
| Arsenic | ND | | 2000 | 2260 | | ug/L | | 113 | 75 - 125 | 5 | 20 |
| Barium | 7.6 | J | 2000 | 2040 | | ug/L | | 101 | 75 - 125 | 2 | 20 |
| Beryllium | ND | | 50.0 | 52.0 | | ug/L | | 104 | 75 - 125 | 2 | 20 |
| Cadmium | 0.43 | J | 50.0 | 56.5 | | ug/L | | 112 | 75 - 125 | 6 | 20 |
| Calcium | 200000 | | 50000 | 252000 | 4 | ug/L | | 97 | 75 - 125 | 2 | 20 |
| Chromium | 1.0 | J B | 200 | 216 | | ug/L | | 107 | 75 - 125 | 4 | 20 |
| Cobalt | ND | | 500 | 562 | | ug/L | | 112 | 75 - 125 | 5 | 20 |
| Copper | ND | | 250 | 272 | | ug/L | | 109 | 75 - 125 | 5 | 20 |
| Iron | 1800 | B | 1000 | 2880 | | ug/L | | 105 | 75 - 125 | 1 | 20 |
| Lead | ND | | 500 | 505 | | ug/L | | 101 | 75 - 125 | 5 | 20 |
| Magnesium | 81000 | | 50000 | 134000 | | ug/L | | 107 | 75 - 125 | 1 | 20 |
| Manganese | 480 | | 500 | 1040 | | ug/L | | 110 | 75 - 125 | 3 | 20 |
| Nickel | 2.3 | J | 500 | 571 | | ug/L | | 114 | 75 - 125 | 5 | 20 |
| Potassium | 15000 | | 50000 | 67900 | | ug/L | | 106 | 75 - 125 | 2 | 20 |
| Selenium | ND | | 2000 | 2360 | | ug/L | | 118 | 75 - 125 | 4 | 20 |
| Silver | ND | | 50.0 | 57.5 | | ug/L | | 115 | 75 - 125 | 4 | 20 |
| Thallium | ND | | 2000 | 2040 | | ug/L | | 102 | 75 - 125 | 4 | 20 |
| Vanadium | ND | | 500 | 523 | | ug/L | | 105 | 75 - 125 | 2 | 20 |
| Zinc | 13 | J | 500 | 605 | | ug/L | | 119 | 75 - 125 | 4 | 20 |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 490000 | | 50000 | 509000 | 4 | ug/L | | 32 | 75 - 125 | 0 | 20 |

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 130 | J | 2000 | 2180 | | ug/L | | 102 | 75 - 125 |
| Antimony | ND | | 500 | 517 | | ug/L | | 103 | 75 - 125 |
| Arsenic | ND | | 2000 | 2050 | | ug/L | | 102 | 75 - 125 |
| Barium | 110 | J | 2000 | 2020 | | ug/L | | 96 | 75 - 125 |
| Beryllium | ND | | 50.0 | 50.1 | | ug/L | | 100 | 75 - 125 |
| Cadmium | ND | | 50.0 | 51.3 | | ug/L | | 103 | 75 - 125 |
| Calcium | 3000 | J | 50000 | 51900 | | ug/L | | 98 | 75 - 125 |
| Chromium | 3.2 | J B | 200 | 209 | | ug/L | | 103 | 75 - 125 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cobalt | ND | | 500 | 515 | | ug/L | | 103 | 75 - 125 |
| Copper | 14 | J | 250 | 263 | | ug/L | | 99 | 75 - 125 |
| Iron | 7200 | B | 1000 | 6540 | 4 | ug/L | | -68 | 75 - 125 |
| Lead | ND | | 500 | 485 | | ug/L | | 97 | 75 - 125 |
| Magnesium | 900 | J | 50000 | 52000 | | ug/L | | 102 | 75 - 125 |
| Manganese | 110 | | 500 | 606 | | ug/L | | 100 | 75 - 125 |
| Nickel | 9.1 | J | 500 | 531 | | ug/L | | 104 | 75 - 125 |
| Potassium | 2900 | J | 50000 | 52600 | | ug/L | | 100 | 75 - 125 |
| Selenium | ND | | 2000 | 2110 | | ug/L | | 105 | 75 - 125 |
| Silver | ND | | 50.0 | 53.8 | | ug/L | | 108 | 75 - 125 |
| Sodium | 410000 | | 50000 | 423000 | 4 | ug/L | | 20 | 75 - 125 |
| Thallium | ND | | 2000 | 1920 | | ug/L | | 96 | 75 - 125 |
| Vanadium | ND | | 500 | 500 | | ug/L | | 100 | 75 - 125 |
| Zinc | ND | | 500 | 558 | | ug/L | | 112 | 75 - 125 |

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 376401**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total Recoverable**
**Prep Batch: 376021**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 130 | J | 2000 | 2290 | | ug/L | | 108 | 75 - 125 | 5 | 20 |
| Antimony | ND | | 500 | 577 | | ug/L | | 115 | 75 - 125 | 11 | 20 |
| Arsenic | ND | | 2000 | 2230 | | ug/L | | 111 | 75 - 125 | 8 | 20 |
| Barium | 110 | J | 2000 | 2140 | | ug/L | | 101 | 75 - 125 | 6 | 20 |
| Beryllium | ND | | 50.0 | 52.9 | | ug/L | | 106 | 75 - 125 | 5 | 20 |
| Cadmium | ND | | 50.0 | 55.6 | | ug/L | | 111 | 75 - 125 | 8 | 20 |
| Calcium | 3000 | J | 50000 | 54800 | | ug/L | | 104 | 75 - 125 | 5 | 20 |
| Chromium | 3.2 | J B | 200 | 221 | | ug/L | | 109 | 75 - 125 | 6 | 20 |
| Cobalt | ND | | 500 | 553 | | ug/L | | 111 | 75 - 125 | 7 | 20 |
| Copper | 14 | J | 250 | 279 | | ug/L | | 106 | 75 - 125 | 6 | 20 |
| Iron | 7200 | B | 1000 | 6830 | 4 | ug/L | | -38 | 75 - 125 | 4 | 20 |
| Lead | ND | | 500 | 516 | | ug/L | | 103 | 75 - 125 | 6 | 20 |
| Magnesium | 900 | J | 50000 | 55000 | | ug/L | | 108 | 75 - 125 | 6 | 20 |
| Manganese | 110 | | 500 | 641 | | ug/L | | 107 | 75 - 125 | 6 | 20 |
| Nickel | 9.1 | J | 500 | 567 | | ug/L | | 112 | 75 - 125 | 7 | 20 |
| Potassium | 2900 | J | 50000 | 55700 | | ug/L | | 106 | 75 - 125 | 6 | 20 |
| Selenium | ND | | 2000 | 2300 | | ug/L | | 115 | 75 - 125 | 9 | 20 |
| Silver | ND | | 50.0 | 57.3 | | ug/L | | 115 | 75 - 125 | 6 | 20 |
| Sodium | 410000 | | 50000 | 452000 | 4 | ug/L | | 77 | 75 - 125 | 7 | 20 |
| Thallium | ND | | 2000 | 2050 | | ug/L | | 102 | 75 - 125 | 7 | 20 |
| Vanadium | ND | | 500 | 533 | | ug/L | | 107 | 75 - 125 | 6 | 20 |
| Zinc | ND | | 500 | 588 | | ug/L | | 118 | 75 - 125 | 5 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-376026/1-A**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/11/19 12:00 | 04/15/19 14:34 | 1 |

**Lab Sample ID: LCS 240-376026/2-A**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.59 | | ug/L | | 92 | 80 - 120 |

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.988 | | ug/L | | 99 | 80 - 120 |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.894 | | ug/L | | 89 | 80 - 120 | 10 | 20 |

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.973 | | ug/L | | 97 | 80 - 120 |

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 376514**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376026**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.949 | | ug/L | | 95 | 80 - 120 | 2 | 20 |

## Method: 9012B - Cyanide, Total andor Amenable

**Lab Sample ID: MB 240-376048/1-A**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/11/19 11:03 | 04/11/19 11:57 | 1 |

## Method: 9012B - Cyanide, Total andor Amenable (Continued)

**Lab Sample ID: LCS 240-376048/2-A**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.222 | | mg/L | | 114 | 59 - 129 |

**Lab Sample ID: 240-110752-8 MS**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0400 | 0.0458 | | mg/L | | 115 | 22 - 135 |

**Lab Sample ID: 240-110752-8 MSD**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: GW-040919-AB-004**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0400 | 0.0434 | | mg/L | | 109 | 22 - 135 | 5 | 40 |

**Lab Sample ID: 240-110752-9 MS**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0400 | 0.0436 | | mg/L | | 109 | 22 - 135 |

**Lab Sample ID: 240-110752-9 MSD**
**Matrix: Water**
**Analysis Batch: 376090**

**Client Sample ID: GW-040919-NK-005**
**Prep Type: Total/NA**
**Prep Batch: 376048**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.0400 | 0.0445 | | mg/L | | 111 | 22 - 135 | 2 | 40 |

**Lab Sample ID: MRL 240-376090/10**
**Matrix: Water**
**Analysis Batch: 376090**

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.0100 | 0.0106 | | mg/L | | 106 | 70 - 130 |

## GC/MS VOA

### Analysis Batch: 377033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 8260C | |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 8260C | |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 8260C | |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 8260C | |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 8260C | |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 8260C | |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 8260C | |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 8260C | |
| MB 240-377033/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377033/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 8260C | |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 8260C | |

### Analysis Batch: 377223

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 8260C | |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 8260C | |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 8260C | |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 8260C | |
| 240-110752-13 | TRIP BLANKS | Total/NA | Water | 8260C | |
| MB 240-377223/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377223/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 8260C | |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376025

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 3510C | |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 3510C | |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 3510C | |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 3510C | |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 3510C | |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 3510C | |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 3510C | |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 3510C | |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 3510C | |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 3510C | |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 3510C | |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 3510C | |
| MB 240-376025/18-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376025/19-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 3510C | |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 3510C | |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 3510C | |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 3510C | |

### Analysis Batch: 376614

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 8270D | 376025 |

## GC/MS Semi VOA (Continued)

### Analysis Batch: 376614 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 8270D | 376025 |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 8270D | 376025 |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 8270D | 376025 |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 8270D | 376025 |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 8270D | 376025 |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 8270D | 376025 |
| MB 240-376025/18-A | Method Blank | Total/NA | Water | 8270D | 376025 |
| LCS 240-376025/19-A | Lab Control Sample | Total/NA | Water | 8270D | 376025 |

### Analysis Batch: 376831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 8270D | 376025 |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 8270D | 376025 |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 8270D | 376025 |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 8270D | 376025 |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 8270D | 376025 |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 8270D | 376025 |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 8270D | 376025 |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 8270D | 376025 |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 8270D | 376025 |

## Metals

### Prep Batch: 376021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total Recoverable | Water | 3005A | |
| 240-110752-2 | GW-040919-NK-009 | Total Recoverable | Water | 3005A | |
| 240-110752-3 | GW-040919-AB-010 | Total Recoverable | Water | 3005A | |
| 240-110752-4 | GW-040919-NK-011 | Total Recoverable | Water | 3005A | |
| 240-110752-5 | GW-040919-NK-013 | Total Recoverable | Water | 3005A | |
| 240-110752-6 | GW-040919-AB-002 | Total Recoverable | Water | 3005A | |
| 240-110752-7 | GW-040919-NK-003 | Total Recoverable | Water | 3005A | |
| 240-110752-8 | GW-040919-AB-004 | Total Recoverable | Water | 3005A | |
| 240-110752-9 | GW-040919-NK-005 | Total Recoverable | Water | 3005A | |
| 240-110752-10 | GW-040919-AB-006 | Total Recoverable | Water | 3005A | |
| 240-110752-11 | GW-040919-NK-007 | Total Recoverable | Water | 3005A | |
| 240-110752-12 | GW-040919-AB-008 | Total Recoverable | Water | 3005A | |
| MB 240-376021/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 240-376021/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 240-110752-8 MS | GW-040919-AB-004 | Total Recoverable | Water | 3005A | |
| 240-110752-8 MSD | GW-040919-AB-004 | Total Recoverable | Water | 3005A | |
| 240-110752-9 MS | GW-040919-NK-005 | Total Recoverable | Water | 3005A | |
| 240-110752-9 MSD | GW-040919-NK-005 | Total Recoverable | Water | 3005A | |

### Prep Batch: 376026

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 7470A | |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 7470A | |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 7470A | |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 7470A | |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 7470A | |

## Metals (Continued)

### Prep Batch: 376026 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 7470A | |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 7470A | |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 7470A | |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 7470A | |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 7470A | |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 7470A | |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 7470A | |
| MB 240-376026/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376026/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 7470A | |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 7470A | |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 7470A | |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 7470A | |

### Analysis Batch: 376401

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-2 | GW-040919-NK-009 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-3 | GW-040919-AB-010 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-4 | GW-040919-NK-011 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-5 | GW-040919-NK-013 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-6 | GW-040919-AB-002 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-7 | GW-040919-NK-003 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-8 | GW-040919-AB-004 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-9 | GW-040919-NK-005 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-10 | GW-040919-AB-006 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-11 | GW-040919-NK-007 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-12 | GW-040919-AB-008 | Total Recoverable | Water | 6010C | 376021 |
| MB 240-376021/1-A | Method Blank | Total Recoverable | Water | 6010C | 376021 |
| LCS 240-376021/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-8 MS | GW-040919-AB-004 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-8 MSD | GW-040919-AB-004 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-9 MS | GW-040919-NK-005 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-9 MSD | GW-040919-NK-005 | Total Recoverable | Water | 6010C | 376021 |

### Analysis Batch: 376514

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 7470A | 376026 |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 7470A | 376026 |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 7470A | 376026 |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 7470A | 376026 |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 7470A | 376026 |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 7470A | 376026 |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 7470A | 376026 |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 7470A | 376026 |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 7470A | 376026 |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 7470A | 376026 |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 7470A | 376026 |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 7470A | 376026 |
| MB 240-376026/1-A | Method Blank | Total/NA | Water | 7470A | 376026 |
| LCS 240-376026/2-A | Lab Control Sample | Total/NA | Water | 7470A | 376026 |

## Metals (Continued)

### Analysis Batch: 376514 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 7470A | 376026 |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 7470A | 376026 |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 7470A | 376026 |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 7470A | 376026 |

### Analysis Batch: 376523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-3 | GW-040919-AB-010 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-4 | GW-040919-NK-011 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-5 | GW-040919-NK-013 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-11 | GW-040919-NK-007 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-8 MS | GW-040919-AB-004 | Total Recoverable | Water | 6010C | 376021 |
| 240-110752-8 MSD | GW-040919-AB-004 | Total Recoverable | Water | 6010C | 376021 |

## General Chemistry

### Prep Batch: 376048

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 9012B | |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 9012B | |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 9012B | |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 9012B | |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 9012B | |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 9012B | |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 9012B | |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 9012B | |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 9012B | |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 9012B | |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 9012B | |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 9012B | |
| MB 240-376048/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-376048/2-A | Lab Control Sample | Total/NA | Water | 9012B | |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 9012B | |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 9012B | |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 9012B | |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 9012B | |

### Analysis Batch: 376090

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110752-1 | RB-040819-NK-001 | Total/NA | Water | 9012B | 376048 |
| 240-110752-2 | GW-040919-NK-009 | Total/NA | Water | 9012B | 376048 |
| 240-110752-3 | GW-040919-AB-010 | Total/NA | Water | 9012B | 376048 |
| 240-110752-4 | GW-040919-NK-011 | Total/NA | Water | 9012B | 376048 |
| 240-110752-5 | GW-040919-NK-013 | Total/NA | Water | 9012B | 376048 |
| 240-110752-6 | GW-040919-AB-002 | Total/NA | Water | 9012B | 376048 |
| 240-110752-7 | GW-040919-NK-003 | Total/NA | Water | 9012B | 376048 |
| 240-110752-8 | GW-040919-AB-004 | Total/NA | Water | 9012B | 376048 |
| 240-110752-9 | GW-040919-NK-005 | Total/NA | Water | 9012B | 376048 |
| 240-110752-10 | GW-040919-AB-006 | Total/NA | Water | 9012B | 376048 |
| 240-110752-11 | GW-040919-NK-007 | Total/NA | Water | 9012B | 376048 |
| 240-110752-12 | GW-040919-AB-008 | Total/NA | Water | 9012B | 376048 |

## General Chemistry (Continued)

### Analysis Batch: 376090 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-376048/1-A | Method Blank | Total/NA | Water | 9012B | 376048 |
| LCS 240-376048/2-A | Lab Control Sample | Total/NA | Water | 9012B | 376048 |
| MRL 240-376090/10 | Lab Control Sample | Total/NA | Water | 9012B | |
| 240-110752-8 MS | GW-040919-AB-004 | Total/NA | Water | 9012B | 376048 |
| 240-110752-8 MSD | GW-040919-AB-004 | Total/NA | Water | 9012B | 376048 |
| 240-110752-9 MS | GW-040919-NK-005 | Total/NA | Water | 9012B | 376048 |
| 240-110752-9 MSD | GW-040919-NK-005 | Total/NA | Water | 9012B | 376048 |

# Lab Chronicle

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

Job ID: 240-110752-1

## Client Sample ID: RB-040819-NK-001

**Lab Sample ID: 240-110752-1**
**Matrix: Water**
**Date Collected: 04/08/19 19:17**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 01:46 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 14:00 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:09 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 14:55 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:05 | MAC | TAL CAN |

## Client Sample ID: GW-040919-NK-009

**Lab Sample ID: 240-110752-2**
**Matrix: Water**
**Date Collected: 04/09/19 15:10**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 02:08 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 14:24 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:14 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 14:58 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:07 | MAC | TAL CAN |

## Client Sample ID: GW-040919-AB-010

**Lab Sample ID: 240-110752-3**
**Matrix: Water**
**Date Collected: 04/09/19 15:35**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 02:30 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 15:37 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:18 | RKT | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376523 | 04/15/19 15:02 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:00 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:09 | MAC | TAL CAN |

## Client Sample ID: GW-040919-NK-011

**Lab Sample ID: 240-110752-4**

**Date Collected: 04/09/19 15:30**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 02:52 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 16:02 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:23 | RKT | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376523 | 04/15/19 15:07 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:02 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:11 | MAC | TAL CAN |

## Client Sample ID: GW-040919-NK-013

**Lab Sample ID: 240-110752-5**

**Date Collected: 04/09/19 15:50**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 03:15 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 14:49 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:28 | RKT | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376523 | 04/15/19 15:12 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:04 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:16 | MAC | TAL CAN |

## Client Sample ID: GW-040919-AB-002

**Lab Sample ID: 240-110752-6**

**Date Collected: 04/09/19 13:32**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 03:37 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 15:13 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:42 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:06 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:17 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-040919-NK-003
**Lab Sample ID: 240-110752-7**
**Date Collected: 04/09/19 13:30**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 03:59 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376614 | 04/16/19 16:26 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:47 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:08 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:19 | MAC | TAL CAN |

## Client Sample ID: GW-040919-AB-004
**Lab Sample ID: 240-110752-8**
**Date Collected: 04/09/19 14:05**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377033 | 04/18/19 04:44 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 14:26 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 18:19 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 14:38 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:21 | MAC | TAL CAN |

## Client Sample ID: GW-040919-NK-005
**Lab Sample ID: 240-110752-9**
**Date Collected: 04/09/19 14:20**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 20:53 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 13:13 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 18:51 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 14:45 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:26 | MAC | TAL CAN |

## Client Sample ID: GW-040919-AB-006

**Lab Sample ID: 240-110752-10**

**Date Collected: 04/09/19 14:40**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 19:23 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 12:49 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:52 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:10 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:35 | MAC | TAL CAN |

## Client Sample ID: GW-040919-NK-007

**Lab Sample ID: 240-110752-11**

**Date Collected: 04/09/19 14:55**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 19:45 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 15:38 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 19:57 | RKT | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376523 | 04/15/19 15:17 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:16 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:37 | MAC | TAL CAN |

## Client Sample ID: GW-040919-AB-008

**Lab Sample ID: 240-110752-12**

**Date Collected: 04/09/19 15:15**

**Matrix: Water**

**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 20:07 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376025 | 04/11/19 10:31 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 16:03 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376021 | 04/11/19 14:00 | SLD | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376401 | 04/12/19 20:01 | RKT | TAL CAN |
| Total/NA | Prep | 7470A | | | 376026 | 04/11/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376514 | 04/15/19 15:18 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 376048 | 04/11/19 11:03 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 376090 | 04/11/19 12:39 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: TRIP BLANKS
**Lab Sample ID: 240-110752-13**
**Date Collected: 04/09/19 00:00**
**Matrix: Water**
**Date Received: 04/09/19 17:21**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 20:30 | TJL1 | TAL CAN |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110752-1
Project/Site: Summit National Superfund Site-GW

## Laboratory: Eurofins TestAmerica, Canton

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

3.4/C3.2 2.8/C2.6
4.6/C4.4 2.0/C1.8

# Chain of Custody Record 299465

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/9/19 | COC No: 299465 |
|---|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Tel/Fax: (614) 888-5760 / 3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER | 1 of 2 COCs |
| Address: 100 W OLD WILSON BRIDGE RD. STE 115 | Analysis Turnaround Time | | | Sampler: NK, AB, AM, CK |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below _____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL SUPERFUND SITE | ☐ 1 week | | | |
| Site: SUMMIT NATIONAL SUPERFUND SITE | ☐ 2 days | | | Job / SDG No.: |
| PO # — | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RB-040819-NK-001 | 4/8/19 | 1917 | G | W | 7 | N | N | X | X | X | X | |
| GW-040919-NK-009 | 4/9/19 | 1510 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-AB-010 | 4/9/19 | 1535 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-011 | 4/9/19 | 1530 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-013 | 4/9/19 | 1550 | G | GW | 7 | N | N | X | X | X | X | |

240-110752 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ZN ACETATE — 1,2 | 1 | 1,4 | 1,5,6

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KARON | EAGON + ASSOC. | 4/9/19@1630 | | TA-246 | 4/9/19 - 1639 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | TAL 4/9/19 | 1721 | | TA | 4-10-19 ACP |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

# Chain of Custody Record 299466

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: Mike Gibson | Site Contact: SNFT | Date: 4/9/19 | COC No: 299466 |
|---|---|---|---|---|
| Company Name: Eagon & Associates, Inc. | Tel/Fax: (614) 888-5760 / 3 | Lab Contact: Patrick O'Meara | Carrier: Lab Courier | 2 of 2 COCs |
| Address: 100 W Old Wilson Bridge Rd Ste 115 | Analysis Turnaround Time | | | Sampler: NK, AB, AM, CK |
| City/State/Zip: Worthington, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below _____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: Summit National | ☐ 1 week | | | Job / SDG No.: |
| Site: Summit National | ☐ 2 days | | | |
| PO# — | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-040919-AB-002 | 4/9/19 | 1332 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-003 | 4/9/19 | 1330 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-AB-004 | 4/9/19 | 1405 | G | GW | 7 | N | Y | X | X | X | X | |
| GW-040919-AB-004-MS | 4/9/19 | 1405 | G | GW | 7 | N | N | X | X | X | X | MS FOR 004 |
| GW-040919-AB-004-MSD | 4/9/19 | 1405 | G | GW | 7 | N | N | X | X | X | X | MSD FOR 004 |
| GW-040919-NK-005 | 4/9/19 | 1420 | G | GW | 7 | N | Y | X | X | X | X | |
| GW-040919-NK-005MS | 4/9/19 | 1420 | G | GW | 7 | N | N | X | X | X | X | MS FOR 005 |
| GW-040919-NK-005-MSD | 4/9/19 | 1420 | G | GW | 7 | N | N | X | X | X | X | MSD FOR 005 |
| GW-040919-AB-006 | 4/9/19 | 1440 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-007 | 4/9/19 | 1455 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-AB-008 | 4/9/19 | 1515 | G | GW | 7 | N | N | X | X | X | X | |
| Trip Blanks | — | — | — | W | 4 | N | N | X | X | X | X | |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Zn Acetate — 1,2 | 1 | 1,4 | 1,5,6

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

| Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | | Therm ID No.: _____ |
|---|---|---|---|---|---|
| Relinquished by: Nick & Karen | Company: Eagon & Associates | Date/Time: 4/9/19 1650 | Received by: | Company: TAI 240 | Date/Time: 4/9/19 1639 |
| Relinquished by: | Company: TAI 4/9/19 | Date/Time: 1721 | Received by: | Company: TA | Date/Time: 4/9/19 1721 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # : 110752**
**Canton Facility**

Client Eagon + Assoc. Inc Site Name _____ Cooler unpacked by: Ryan Cribley

Cooler Received on 4-10-19 Opened on 4-10-19 1121

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off (TestAmerica Courier) Other _____

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

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____ | Yes (No) | |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes No (NA) | |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes (No) | |
| -Were tamper/custody seals intact and uncompromised? | Yes No (NA) | |
| 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 all preserved sample(s) at the correct pH upon receipt? | (Yes) No NA | pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | (Yes) No | |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes (No) NA | |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # B902601VB | (Yes) No | |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes (No) | |

**Tests that are not checked for pH by Receiving:**

**VOAs**
**Oil and Grease**
**TOC**

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

Concerning _____

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

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110752

| TestAmerica Canton Sample Receipt Multiple Cooler Form | | | | |
|---|---|---|---|---|
| Cooler Description (Circle) | IR Gun # (Circle) | Observed Temp °C | Corrected Temp °C | Coolant (Circle) |
| (TA) Client Box Other | (IR-8) #36 | 3.4 | 3.2 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 2.8 | 2.6 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 4.6 | 4.4 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 2.0 | 1.8 | (Wet Ice) Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| | | | ☐ | See Temperature Excursion Form |

# Login Container Summary Report



Temperature readings: _____

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| RB-040819-NK-001 | 240-110752-F-1 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| RB-040819-NK-001 | 240-110752-G-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-009 | 240-110752-F-2 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-009 | 240-110752-G-2 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-010 | 240-110752-F-3 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-010 | 240-110752-G-3 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-011 | 240-110752-F-4 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-011 | 240-110752-G-4 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-013 | 240-110752-F-5 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-013 | 240-110752-G-5 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-002 | 240-110752-F-6 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-002 | 240-110752-G-6 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-003 | 240-110752-F-7 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-003 | 240-110752-G-7 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-004 | 240-110752-P-8 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-004 | 240-110752-Q-8 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-004 | 240-110752-R-8 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-004 | 240-110752-S-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-004 | 240-110752-T-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-004 | 240-110752-U-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-005 | 240-110752-P-9 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-005 | 240-110752-Q-9 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-005 | 240-110752-R-9 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-005 | 240-110752-S-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-005 | 240-110752-T-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-005 | 240-110752-U-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-006 | 240-110752-F-10 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-006 | 240-110752-G-10 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-NK-007 | 240-110752-F-11 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-NK-007 | 240-110752-G-11 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-040919-AB-008 | 240-110752-F-12 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-040919-AB-008 | 240-110752-G-12 | Plastic 500ml - with Nitric Acid | <2 | | |

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

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

Laboratory Job ID: 240-110818-1
Client Project/Site: Summit National Superfund Site-GW
Revision: 2

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:*
*10/23/2019 6:56:24 PM*

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| 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. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B | Compound was found in the blank and sample. |
| 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110818-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-GW

## Report Number: 240-110818-1

## Revised

Revision 10/23/2019: Added the cis and trans 1,2-DCE isomer results to the report.

Revison 5/8/2019: Corrected the ID for sample 240-110818-14 to RB-041019-AB-012.

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/11/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.4º C, 0.6º C, 1.0º C, 1.2º C, 1.4º C, 1.8º C and 2.2º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), TRIP BLANK (240-110818-10), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17) and GW-041019-NK-047 (240-110818-18) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/19/2019, 04/20/2019 and 04/22/2019.

The continuing calibration verification (CCV) associated with batch 240-377420 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data

## Job ID: 240-110818-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

have been reported: GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), TRIP BLANK (240-110818-10), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), and GW-041019-AB-022 (240-110818-13).

The continuing calibration verification (CCV) associated with batch 240-377675 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17), and GW-041019-NK-047 (240-110818-18).

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

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17) and GW-041019-NK-047 (240-110818-18) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/16/2019 and analyzed on 04/17/2019, 04/18/2019 and 04/22/2019.

Diethyl phthalate was detected in method blank MB 240-376702/25-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 batch 240-376831 recovered above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 2-Nitroaniline, The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3) and (240-110815-O-1-A).

The CCV associated with analytical batch 240-377069 recovered low for Phenol and Pentachlorophenol. An LODV was analyzed in the batch to support the non detects on the following samples for these analytes: GW-041019-NK-041 (240-110818-1), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16) and GW-041019-NK-015 (240-110818-17).

The continuing calibration verification (CCV) associated with batch 240-377069 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041019-NK-041 (240-110818-1), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16) and GW-041019-NK-015 (240-110818-17).

The continuing calibration verification (CCV) associated with batch 240-377488 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported: GW-041019-NK-047 (240-110818-18).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-376703.

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

**TOTAL RECOVERABLE METALS (ICP)**

## Job ID: 240-110818-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

Samples GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17) and GW-041019-NK-047 (240-110818-18) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/12/2019 and analyzed on 04/15/2019 and 04/16/2019.

Chromium and Sodium were detected in method blank MB 240-376228/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Iron failed the recovery criteria low for the MSD of sample GW-041019-NK-041 (240-110818-1) in batch 240-376853.

Samples GW-041019-NK-033 (240-110818-7)[2X], GW-041019-AB-018 (240-110818-11)[2X], GW-041019-AB-022 (240-110818-13)[2X] and GW-041019-NK-015 (240-110818-17)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

**TOTAL MERCURY**

Samples GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17) and GW-041019-NK-047 (240-110818-18) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/12/2019 and analyzed on 04/16/2019.

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

**TOTAL CYANIDE**

Samples GW-041019-NK-041 (240-110818-1), GW-041019-NK-043 (240-110818-2), GW-041019-NK-045 (240-110818-3), GW-041019-NK-039 (240-110818-4), GW-041019-NK-037 (240-110818-5), GW-041019-NK-035 (240-110818-6), GW-041019-NK-033 (240-110818-7), GW-041019-AB-014 (240-110818-8), GW-041019-AB-016 (240-110818-9), GW-041019-AB-018 (240-110818-11), GW-041019-AB-020 (240-110818-12), GW-041019-AB-022 (240-110818-13), RB-041019-AB-012 (240-110818-14), GW-041019-NK-017 (240-110818-15), GW-041019-NK-019 (240-110818-16), GW-041019-NK-015 (240-110818-17) and GW-041019-NK-047 (240-110818-18) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 04/17/2019.

The following sample was diluted due to the nature of the sample matrix: GW-041019-NK-041 (240-110818-1). Elevated reporting limits (RLs) are provided.

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.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 6010C | Metals (ICP) | SW846 | TAL CAN |
| 7470A | Mercury (CVAA) | SW846 | TAL CAN |
| 9012B | Cyanide, Total andor Amenable | SW846 | TAL CAN |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | SW846 | TAL CAN |
| 7470A | Preparation, Mercury | SW846 | TAL CAN |
| 9012B | Cyanide, Total and/or Amenable, Distillation | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Water | 04/10/19 14:30 | 04/11/19 08:00 | |
| 240-110818-2 | GW-041019-NK-043 | Water | 04/10/19 15:10 | 04/11/19 08:00 | |
| 240-110818-3 | GW-041019-NK-045 | Water | 04/10/19 15:30 | 04/11/19 08:00 | |
| 240-110818-4 | GW-041019-NK-039 | Water | 04/10/19 14:00 | 04/11/19 08:00 | |
| 240-110818-5 | GW-041019-NK-037 | Water | 04/10/19 14:00 | 04/11/19 08:00 | |
| 240-110818-6 | GW-041019-NK-035 | Water | 04/10/19 13:30 | 04/11/19 08:00 | |
| 240-110818-7 | GW-041019-NK-033 | Water | 04/10/19 13:00 | 04/11/19 08:00 | |
| 240-110818-8 | GW-041019-AB-014 | Water | 04/10/19 09:10 | 04/11/19 08:00 | |
| 240-110818-9 | GW-041019-AB-016 | Water | 04/10/19 09:10 | 04/11/19 08:00 | |
| 240-110818-10 | TRIP BLANK | Water | 04/10/19 00:00 | 04/11/19 08:00 | |
| 240-110818-11 | GW-041019-AB-018 | Water | 04/10/19 09:42 | 04/11/19 08:00 | |
| 240-110818-12 | GW-041019-AB-020 | Water | 04/10/19 10:11 | 04/11/19 08:00 | |
| 240-110818-13 | GW-041019-AB-022 | Water | 04/10/19 10:30 | 04/11/19 08:00 | |
| 240-110818-14 | RB-041019-AB-012 | Water | 04/10/19 18:50 | 04/11/19 08:00 | |
| 240-110818-15 | GW-041019-NK-017 | Water | 04/10/19 16:35 | 04/11/19 08:00 | |
| 240-110818-16 | GW-041019-NK-019 | Water | 04/10/19 16:35 | 04/11/19 08:00 | |
| 240-110818-17 | GW-041019-NK-015 | Water | 04/10/19 16:15 | 04/11/19 08:00 | |
| 240-110818-18 | GW-041019-NK-047 | Water | 04/10/19 15:30 | 04/11/19 08:00 | |

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-NK-041

## Lab Sample ID: 240-110818-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | 0.28 | J | 1.0 | 0.28 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 0.16 | J | 1.0 | 0.10 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 0.19 | J | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |
| Barium | 10 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 2700 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.0 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 3800 | F1 | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1100 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 26 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 3.5 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3100 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 500000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-043

## Lab Sample ID: 240-110818-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 1.4 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 0.37 | J | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 5.7 | | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 5.7 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 100 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 9.7 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.40 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 39 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 4.6 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 5800 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 55000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 360 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 31 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 5500 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 65000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-NK-045 — Lab Sample ID: 240-110818-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 4.0 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 59000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 16 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 4.3 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 7400 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 18000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 310 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 9.6 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 7000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 440000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-039 — Lab Sample ID: 240-110818-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 13 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.50 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 330000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 14 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 2800 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 180000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1400 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 5.4 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 5600 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 15000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-037 — Lab Sample ID: 240-110818-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 73 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 18 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.67 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 360000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 0.71 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-NK-037 (Continued)

## Lab Sample ID: 240-110818-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Cobalt | 28 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 4400 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 200000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 2700 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 8.2 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6100 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 17000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Vanadium | 5.9 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-035

## Lab Sample ID: 240-110818-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 5.7 | J | 10 | 5.4 | ug/L | 1 | | 8260C | Total/NA |
| Benzene | 0.42 | J | 1.0 | 0.13 | ug/L | 1 | | 8260C | Total/NA |
| Carbon disulfide | 0.41 | J | 1.0 | 0.28 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 1300 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 55 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 1900 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 12 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 10 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 18000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1400 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 79 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 23 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3400 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 490000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Vanadium | 7.0 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 13 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-033

## Lab Sample ID: 240-110818-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.6 | J | 10 | 5.4 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 1100 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 64 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041019-NK-033 (Continued)

## Lab Sample ID: 240-110818-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | 2300 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 6.3 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 4600 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1100 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 82 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 14 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3300 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 530000 | B | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |
| Thallium | 4.0 | J | 20 | 2.7 | ug/L | 1 | | 6010C | Total Recoverable |
| Vanadium | 5.7 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-AB-014

## Lab Sample ID: 240-110818-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 5.6 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.51 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 420000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 7.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 1.9 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 5200 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 110000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 3900 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 37 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 13000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 45000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 20 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-AB-016

## Lab Sample ID: 240-110818-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 6.0 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.59 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 440000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-AB-016 (Continued)

## Lab Sample ID: 240-110818-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chromium | 12 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.3 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 6000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 120000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 4100 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 43 | | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 13000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 47000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 22 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 240-110818-10

No Detections.

## Client Sample ID: GW-041019-AB-018

## Lab Sample ID: 240-110818-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 64 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 7.0 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.80 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 490000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 7.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 230 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 600000 | | 10000 | 1600 | ug/L | 2 | | 6010C | Total Recoverable |
| Manganese | 420 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 7.5 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 15000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 230000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-AB-020

## Lab Sample ID: 240-110818-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.5 | J | 10 | 5.4 | ug/L | 1 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 1.7 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 3.0 | | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 1.7 | J | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 0.28 | J | 1.0 | 0.10 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 1.7 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041019-AB-020 (Continued)
## Lab Sample ID: 240-110818-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 13 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.53 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 390000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.2 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 7.0 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 110000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 6300 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 17 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 16000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 180000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-AB-022
## Lab Sample ID: 240-110818-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 310 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 24 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 4200 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 20 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 7.9 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 690 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1700 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 31 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 13 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3600 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 590000 | B | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |
| Thallium | 5.6 | J | 20 | 2.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: RB-041019-AB-012
## Lab Sample ID: 240-110818-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Diethyl phthalate | 3.5 | J B | 4.5 | 3.4 | ug/L | 1 | | 8270D | Total/NA |
| Vanadium | 5.7 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-NK-017 — Lab Sample ID: 240-110818-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 5.2 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 6.9 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.60 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 6.3 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 43 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 25000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 5200 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 85 | | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 33000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 140 | | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-019 — Lab Sample ID: 240-110818-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 6.4 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 6.8 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.67 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.7 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 44 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 26000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 5300 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 82 | | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6100 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 33000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 140 | | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110818-1

## Client Sample ID: GW-041019-NK-015 — Lab Sample ID: 240-110818-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 14 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.43 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 90000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.9 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1500 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 41000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 71 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 3.6 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 9300 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 880000 | B | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041019-NK-047 — Lab Sample ID: 240-110818-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 4.8 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.22 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 67000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 20 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 5.6 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 9300 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 20000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 370 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 13 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 7700 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 480000 | B | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-041**
**Lab Sample ID: 240-110818-1**
**Date Collected: 04/10/19 14:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 21:40 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 21:40 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 21:40 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 21:40 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 21:40 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 21:40 | 1 |
| **Carbon disulfide** | **0.28** | **J** | 1.0 | 0.28 | ug/L | | | 04/19/19 21:40 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 21:40 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 21:40 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 21:40 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 21:40 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 21:40 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 21:40 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 21:40 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 21:40 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 21:40 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 21:40 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 21:40 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 21:40 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 21:40 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 21:40 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 21:40 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 21:40 | 1 |
| **Trichloroethene** | **0.16** | **J** | 1.0 | 0.10 | ug/L | | | 04/19/19 21:40 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 21:40 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 21:40 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 21:40 | 1 |
| **cis-1,2-Dichloroethene** | **0.19** | **J** | 1.0 | 0.16 | ug/L | | | 04/19/19 21:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/19/19 21:40* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/19/19 21:40* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/19/19 21:40* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/19/19 21:40* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-041**
**Lab Sample ID: 240-110818-1**
**Date Collected: 04/10/19 14:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |

## Client Sample ID: GW-041019-NK-041 Lab Sample ID: 240-110818-1

**Date Collected: 04/10/19 14:30** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 09:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *65* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |
| *2-Fluorophenol (Surr)* | *51* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |
| *Nitrobenzene-d5 (Surr)* | *69* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |
| *Phenol-d5 (Surr)* | *40* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |
| *Terphenyl-d14 (Surr)* | *75* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *67* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 09:07* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Barium** | **10** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Calcium** | **2700** | **J** | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Chromium** | **1.0** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Iron** | **3800** | **F1** | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Magnesium** | **1100** | **J** | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Manganese** | **26** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Nickel** | **3.5** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Potassium** | **3100** | **J** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| **Sodium** | **500000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 15:49 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:30 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.050 | 0.030 | mg/L | | 04/17/19 14:00 | 04/17/19 14:46 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-043**
**Lab Sample ID: 240-110818-2**
**Date Collected: 04/10/19 15:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 23:08 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:08 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:08 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 23:08 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 23:08 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 23:08 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 23:08 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 23:08 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:08 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 23:08 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:08 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:08 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 23:08 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 23:08 | 1 |
| **1,1-Dichloroethane** | **1.4** | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:08 | 1 |
| **1,2-Dichloroethane** | **0.37** | **J** | 1.0 | 0.21 | ug/L | | | 04/19/19 23:08 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:08 | 1 |
| **1,2-Dichloroethene, Total** | **5.7** | | 2.0 | 0.33 | ug/L | | | 04/19/19 23:08 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:08 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 23:08 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 23:08 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 23:08 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 23:08 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:08 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:08 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:08 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:08 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 23:08 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 23:08 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 23:08 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:08 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:08 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 23:08 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:08 | 1 |
| **cis-1,2-Dichloroethene** | **5.7** | | 1.0 | 0.16 | ug/L | | | 04/19/19 23:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/19/19 23:08* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/19/19 23:08* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/19/19 23:08* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/19/19 23:08* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |

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

Job ID: 240-110818-1

**Client Sample ID: GW-041019-NK-043**
**Date Collected: 04/10/19 15:10**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110818-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |

## Client Sample ID: GW-041019-NK-043 — Lab Sample ID: 240-110818-2

**Date Collected: 04/10/19 15:10** — **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |
| *2-Fluorophenol (Surr)* | *68* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |
| *Phenol-d5 (Surr)* | *39* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |
| *Terphenyl-d14 (Surr)* | *79* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *73* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 19:41* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **100** | **J** | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Barium** | **9.7** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Cadmium** | **0.40** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Chromium** | **39** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Copper** | **4.6** | **J** | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Iron** | **5800** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Magnesium** | **55000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Manganese** | **360** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Nickel** | **31** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Potassium** | **5500** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| **Sodium** | **65000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:12 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:41 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 14:51 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-045**
**Lab Sample ID: 240-110818-3**
**Date Collected: 04/10/19 15:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 23:30 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:30 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:30 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 23:30 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 23:30 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 23:30 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 23:30 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 23:30 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:30 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 23:30 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:30 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 23:30 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:30 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 23:30 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 23:30 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 23:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 23:30 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:30 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:30 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 23:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 23:30 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:30 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:30 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 23:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/19/19 23:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/19/19 23:30* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/19/19 23:30* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/19/19 23:30* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/19/19 23:30* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-045**
**Lab Sample ID: 240-110818-3**
**Date Collected: 04/10/19 15:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |

## Client Sample ID: GW-041019-NK-045 Lab Sample ID: 240-110818-3

**Date Collected: 04/10/19 15:30** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 20:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |
| *2-Fluorophenol (Surr)* | *59* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 20:05* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Barium** | **4.0** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Calcium** | **59000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Chromium** | **16** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Copper** | **4.3** | **J** | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Iron** | **7400** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Magnesium** | **18000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Manganese** | **310** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Nickel** | **9.6** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Potassium** | **7000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| **Sodium** | **440000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:17 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:43 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 14:53 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-039**
**Lab Sample ID: 240-110818-4**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 23:52 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:52 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:52 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 23:52 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 23:52 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 23:52 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 23:52 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 23:52 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:52 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 23:52 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:52 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 23:52 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:52 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 23:52 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 23:52 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 23:52 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 23:52 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 23:52 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 23:52 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 23:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 23:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 23:52 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 23:52 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 23:52 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 23:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 23:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/19/19 23:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/19/19 23:52* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/19/19 23:52* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/19/19 23:52* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/19/19 23:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-039**
**Lab Sample ID: 240-110818-4**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-039**
**Lab Sample ID: 240-110818-4**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *87* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |
| *2-Fluorophenol (Surr)* | *60* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |
| *Nitrobenzene-d5 (Surr)* | *88* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |
| *Phenol-d5 (Surr)* | *53* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *75* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 10:20* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Barium** | **13** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Cadmium** | **0.50** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Calcium** | **330000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Cobalt** | **14** | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Iron** | **2800** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Magnesium** | **180000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Manganese** | **1400** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Nickel** | **5.4** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Potassium** | **5600** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| **Sodium** | **15000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:22 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:45 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 14:55 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-037**
**Lab Sample ID: 240-110818-5**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 00:14 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:14 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:14 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 00:14 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 00:14 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 00:14 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 00:14 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 00:14 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:14 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 00:14 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:14 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 00:14 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:14 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 00:14 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 00:14 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 00:14 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 00:14 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:14 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:14 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 00:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 00:14 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:14 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:14 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 00:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 00:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/20/19 00:14* | *1* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 128* | | *04/20/19 00:14* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/20/19 00:14* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/20/19 00:14* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-037**
**Lab Sample ID: 240-110818-5**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |

## Client Sample ID: GW-041019-NK-037 Lab Sample ID: 240-110818-5

**Date Collected: 04/10/19 14:00** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 10:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |
| *2-Fluorophenol (Surr)* | *68* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |
| *Phenol-d5 (Surr)* | *47* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *80* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 10:44* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **73** | **J** | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Barium** | **18** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Cadmium** | **0.67** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Calcium** | **360000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Chromium** | **0.71** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Cobalt** | **28** | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Iron** | **4400** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Magnesium** | **200000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Manganese** | **2700** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Nickel** | **8.2** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Potassium** | **6100** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Sodium** | **17000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| **Vanadium** | **5.9** | **J** | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:26 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:47 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:00 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-035**
**Lab Sample ID: 240-110818-6**
**Date Collected: 04/10/19 13:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acetone** | **5.7** | **J** | 10 | 5.4 | ug/L | | | 04/20/19 00:37 | 1 |
| **Benzene** | **0.42** | **J** | 1.0 | 0.13 | ug/L | | | 04/20/19 00:37 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:37 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 00:37 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 00:37 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 00:37 | 1 |
| **Carbon disulfide** | **0.41** | **J** | 1.0 | 0.28 | ug/L | | | 04/20/19 00:37 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 00:37 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:37 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 00:37 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:37 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:37 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 00:37 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:37 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 00:37 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 00:37 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 00:37 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 00:37 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:37 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:37 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:37 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 00:37 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 00:37 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:37 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:37 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 00:37 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:37 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 00:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* | | *04/20/19 00:37* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/20/19 00:37* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/20/19 00:37* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/20/19 00:37* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-035**
**Lab Sample ID: 240-110818-6**
**Date Collected: 04/10/19 13:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |

## Client Sample ID: GW-041019-NK-035 Lab Sample ID: 240-110818-6

**Date Collected: 04/10/19 13:30** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |
| *2-Fluorophenol (Surr)* | *57* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |
| *Terphenyl-d14 (Surr)* | *74* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 11:08* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **1300** | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Barium** | **55** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Calcium** | **1900** | **J** | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Chromium** | **12** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Copper** | **10** | **J** | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Iron** | **18000** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Magnesium** | **1400** | **J** | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Manganese** | **79** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Nickel** | **23** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Potassium** | **3400** | **J** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Sodium** | **490000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Vanadium** | **7.0** | **J** | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |
| **Zinc** | **13** | **J** | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:31 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:49 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:02 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-033**
**Lab Sample ID: 240-110818-7**
**Date Collected: 04/10/19 13:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 6.6 | J | 10 | 5.4 | ug/L | | | 04/20/19 00:59 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:59 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:59 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 00:59 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 00:59 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 00:59 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 00:59 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 00:59 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:59 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 00:59 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:59 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:59 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 00:59 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:59 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 00:59 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 00:59 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 00:59 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 00:59 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 00:59 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 00:59 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 00:59 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 00:59 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 00:59 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 00:59 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 00:59 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 00:59 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 00:59 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 00:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/20/19 00:59* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/20/19 00:59* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/20/19 00:59* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/20/19 00:59* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-033**
**Lab Sample ID: 240-110818-7**
**Date Collected: 04/10/19 13:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |

## Client Sample ID: GW-041019-NK-033 — Lab Sample ID: 240-110818-7

**Date Collected: 04/10/19 13:00** — **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |
| *2-Fluorophenol (Surr)* | *54* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |
| *Phenol-d5 (Surr)* | *43* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |
| *Terphenyl-d14 (Surr)* | *76* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 11:32* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **1100** | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Barium** | **64** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Calcium** | **2300** | **J** | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Chromium** | **6.3** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Iron** | **4600** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Magnesium** | **1100** | **J** | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Manganese** | **82** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Nickel** | **14** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Potassium** | **3300** | **J** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Sodium** | **530000** | **B** | 10000 | 1100 | ug/L | | 04/12/19 14:00 | 04/16/19 11:19 | 2 |
| **Thallium** | **4.0** | **J** | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| **Vanadium** | **5.7** | **J** | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:45 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:51 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:03 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-014**
**Lab Sample ID: 240-110818-8**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 01:22 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:22 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 01:22 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 01:22 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 01:22 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 01:22 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 01:22 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 01:22 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 01:22 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 01:22 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:22 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 01:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 01:22 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 01:22 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 01:22 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 01:22 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 01:22 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 01:22 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:22 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 01:22 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 01:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 01:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 01:22 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 01:22 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 01:22 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 01:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 01:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 01:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/20/19 01:22* | *1* |
| *Dibromofluoromethane (Surr)* | *101* | | *75 - 128* | | *04/20/19 01:22* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/20/19 01:22* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/20/19 01:22* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-014**
**Lab Sample ID: 240-110818-8**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |

## Client Sample ID: GW-041019-AB-014 — Lab Sample ID: 240-110818-8

**Date Collected: 04/10/19 09:10** — **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 11:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |
| *2-Fluorophenol (Surr)* | *66* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |
| *Nitrobenzene-d5 (Surr)* | *83* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |
| *Phenol-d5 (Surr)* | *50* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |
| *Terphenyl-d14 (Surr)* | *77* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *75* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 11:57* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Barium** | **5.6** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Cadmium** | **0.51** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Calcium** | **420000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Chromium** | **7.6** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Cobalt** | **1.9** | **J** | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Iron** | **5200** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Magnesium** | **110000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Manganese** | **3900** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Nickel** | **37** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Potassium** | **13000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Sodium** | **45000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |
| **Zinc** | **20** | **J** | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:50 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:53 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:05 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-016**
**Lab Sample ID: 240-110818-9**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 01:44 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:44 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 01:44 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 01:44 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 01:44 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 01:44 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 01:44 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 01:44 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 01:44 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 01:44 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:44 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 01:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 01:44 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 01:44 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 01:44 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 01:44 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 01:44 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 01:44 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 01:44 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 01:44 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 01:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 01:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 01:44 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 01:44 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 01:44 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 01:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 01:44 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 01:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/20/19 01:44* | *1* |
| *Dibromofluoromethane (Surr)* | *101* | | *75 - 128* | | *04/20/19 01:44* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/20/19 01:44* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/20/19 01:44* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-016**
**Lab Sample ID: 240-110818-9**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-016**
**Lab Sample ID: 240-110818-9**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *72* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |
| *2-Fluorophenol (Surr)* | *56* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |
| *Nitrobenzene-d5 (Surr)* | *77* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |
| *Terphenyl-d14 (Surr)* | *74* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 12:21* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Barium** | **6.0** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Cadmium** | **0.59** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Calcium** | **440000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Chromium** | **12** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Cobalt** | **2.3** | **J** | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Iron** | **6000** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Magnesium** | **120000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Manganese** | **4100** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Nickel** | **43** | | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Potassium** | **13000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Sodium** | **47000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |
| **Zinc** | **22** | **J** | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 16:55 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:55 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:07 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: TRIP BLANK**
**Lab Sample ID: 240-110818-10**
**Date Collected: 04/10/19 00:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 02:06 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:06 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:06 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 02:06 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 02:06 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 02:06 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 02:06 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 02:06 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:06 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 02:06 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:06 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:06 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 02:06 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:06 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 02:06 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 02:06 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 02:06 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 02:06 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:06 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:06 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:06 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 02:06 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 02:06 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 02:06 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:06 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 02:06 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:06 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 02:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/20/19 02:06* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* | | *04/20/19 02:06* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/20/19 02:06* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/20/19 02:06* | *1* |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-018**
**Lab Sample ID: 240-110818-11**
**Date Collected: 04/10/19 09:42**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 02:28 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:28 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:28 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 02:28 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 02:28 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 02:28 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 02:28 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 02:28 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:28 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 02:28 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:28 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:28 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 02:28 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:28 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 02:28 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 02:28 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 02:28 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 02:28 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:28 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:28 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:28 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 02:28 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 02:28 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 02:28 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:28 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 02:28 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:28 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 02:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/20/19 02:28* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/20/19 02:28* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/20/19 02:28* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/20/19 02:28* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-018**
**Lab Sample ID: 240-110818-11**
**Date Collected: 04/10/19 09:42**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |

## Client Sample ID: GW-041019-AB-018 Lab Sample ID: 240-110818-11

**Date Collected: 04/10/19 09:42** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 12:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |
| *2-Fluorophenol (Surr)* | *57* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |
| *Phenol-d5 (Surr)* | *36* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |
| *Terphenyl-d14 (Surr)* | *76* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 12:45* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **64** | **J** | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Barium** | **7.0** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Cadmium** | **0.80** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Calcium** | **490000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Chromium** | **7.6** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Iron** | **230** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Magnesium** | **600000** | | 10000 | 1600 | ug/L | | 04/12/19 14:00 | 04/16/19 11:33 | 2 |
| **Manganese** | **420** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Nickel** | **7.5** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Potassium** | **15000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| **Sodium** | **230000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:00 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:57 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:08 | 1 |

## Client Sample ID: GW-041019-AB-020 Lab Sample ID: 240-110818-12

**Date Collected: 04/10/19 10:11** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acetone** | **6.5** | **J** | 10 | 5.4 | ug/L | | | 04/20/19 02:51 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:51 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:51 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 02:51 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 02:51 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 02:51 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 02:51 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 02:51 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:51 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 02:51 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:51 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:51 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 02:51 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 02:51 | 1 |
| **1,1-Dichloroethane** | **1.7** | | 1.0 | 0.17 | ug/L | | | 04/20/19 02:51 | 1 |
| **1,2-Dichloroethane** | **3.0** | | 1.0 | 0.21 | ug/L | | | 04/20/19 02:51 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:51 | 1 |
| **1,2-Dichloroethene, Total** | **1.7** | **J** | 2.0 | 0.33 | ug/L | | | 04/20/19 02:51 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:51 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 02:51 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 02:51 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 02:51 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 02:51 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 02:51 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 02:51 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 02:51 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 02:51 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 02:51 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 02:51 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 02:51 | 1 |
| **Trichloroethene** | **0.28** | **J** | 1.0 | 0.10 | ug/L | | | 04/20/19 02:51 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 02:51 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 02:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 02:51 | 1 |
| **cis-1,2-Dichloroethene** | **1.7** | | 1.0 | 0.16 | ug/L | | | 04/20/19 02:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/20/19 02:51* | *1* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 128* | | *04/20/19 02:51* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/20/19 02:51* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/20/19 02:51* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-020**
**Lab Sample ID: 240-110818-12**
**Date Collected: 04/10/19 10:11**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |

**Client Sample ID: GW-041019-AB-020**
**Lab Sample ID: 240-110818-12**
**Date Collected: 04/10/19 10:11**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |
| *2-Fluorophenol (Surr)* | *60* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |
| *Nitrobenzene-d5 (Surr)* | *74* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |
| *Phenol-d5 (Surr)* | *50* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |
| *Terphenyl-d14 (Surr)* | *74* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *65* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 13:10* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Barium** | **13** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Cadmium** | **0.53** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Calcium** | **390000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Chromium** | **1.2** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Cobalt** | **7.0** | **J** | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Iron** | **110000** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Manganese** | **6300** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Nickel** | **17** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Potassium** | **16000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| **Sodium** | **180000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:05 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:00 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:10 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-022**
**Lab Sample ID: 240-110818-13**
**Date Collected: 04/10/19 10:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/20/19 03:13 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 03:13 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 03:13 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/20/19 03:13 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/20/19 03:13 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/20/19 03:13 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/20/19 03:13 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/20/19 03:13 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 03:13 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/20/19 03:13 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 03:13 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 03:13 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/20/19 03:13 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 03:13 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/20/19 03:13 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/20/19 03:13 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/20/19 03:13 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/20/19 03:13 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/20/19 03:13 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/20/19 03:13 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/20/19 03:13 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/20/19 03:13 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/20/19 03:13 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/20/19 03:13 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/20/19 03:13 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/20/19 03:13 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/20/19 03:13 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/20/19 03:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/20/19 03:13* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/20/19 03:13* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/20/19 03:13* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/20/19 03:13* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-022**
**Lab Sample ID: 240-110818-13**
**Date Collected: 04/10/19 10:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |

## Client Sample ID: GW-041019-AB-022 Lab Sample ID: 240-110818-13

**Date Collected: 04/10/19 10:30** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:34 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *68* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |
| *2-Fluorophenol (Surr)* | *55* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |
| *Nitrobenzene-d5 (Surr)* | *71* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |
| *Phenol-d5 (Surr)* | *42* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |
| *Terphenyl-d14 (Surr)* | *71* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *60* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 13:34* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **310** | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Barium** | **24** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Calcium** | **4200** | **J** | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Chromium** | **20** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Copper** | **7.9** | **J** | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Iron** | **690** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Magnesium** | **1700** | **J** | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Manganese** | **31** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Nickel** | **13** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Potassium** | **3600** | **J** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| **Sodium** | **590000** | **B** | 10000 | 1100 | ug/L | | 04/12/19 14:00 | 04/16/19 11:38 | 2 |
| **Thallium** | **5.6** | **J** | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:10 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:06 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:12 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041019-AB-012**
**Lab Sample ID: 240-110818-14**
**Date Collected: 04/10/19 18:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 20:40 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:40 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 20:40 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 20:40 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 20:40 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 20:40 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 20:40 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 20:40 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 20:40 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 20:40 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:40 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 20:40 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 20:40 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 20:40 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 20:40 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 20:40 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 20:40 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 20:40 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:40 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 20:40 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 20:40 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 20:40 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 20:40 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 20:40 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 20:40 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 20:40 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 20:40 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 20:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/22/19 20:40* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/22/19 20:40* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/22/19 20:40* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/22/19 20:40* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |

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

Job ID: 240-110818-1

**Client Sample ID: RB-041019-AB-012**
**Date Collected: 04/10/19 18:50**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110818-14**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| **Diethyl phthalate** | **3.5** | **J B** | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |

## Client Sample ID: RB-041019-AB-012 Lab Sample ID: 240-110818-14

**Date Collected: 04/10/19 18:50** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 13:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |
| *2-Fluorophenol (Surr)* | *62* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |
| *Nitrobenzene-d5 (Surr)* | *86* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |
| *Phenol-d5 (Surr)* | *46* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |
| *Terphenyl-d14 (Surr)* | *84* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *75* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 13:58* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| **Vanadium** | **5.7** | **J** | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:14 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:08 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:14 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-017**
**Lab Sample ID: 240-110818-15**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 21:03 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:03 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:03 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 21:03 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 21:03 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 21:03 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 21:03 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 21:03 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:03 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 21:03 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:03 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:03 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 21:03 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:03 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 21:03 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 21:03 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 21:03 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 21:03 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:03 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:03 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:03 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 21:03 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 21:03 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:03 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:03 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 21:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 21:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *59 - 120* | | *04/22/19 21:03* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/22/19 21:03* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* | | *04/22/19 21:03* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/22/19 21:03* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-017**
**Lab Sample ID: 240-110818-15**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |

## Client Sample ID: GW-041019-NK-017 Lab Sample ID: 240-110818-15

**Date Collected: 04/10/19 16:35** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *77* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |
| *2-Fluorophenol (Surr)* | *58* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |
| *Terphenyl-d14 (Surr)* | *77* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 14:23* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Arsenic** | **5.2** | **J** | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Barium** | **6.9** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Cadmium** | **0.60** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Chromium** | **6.3** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Cobalt** | **43** | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Iron** | **25000** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Manganese** | **5200** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Nickel** | **85** | | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Potassium** | **6000** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Sodium** | **33000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |
| **Zinc** | **140** | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:19 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:10 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:16 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-019**
**Lab Sample ID: 240-110818-16**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 21:25 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:25 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:25 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 21:25 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 21:25 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 21:25 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 21:25 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 21:25 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:25 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 21:25 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:25 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:25 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 21:25 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:25 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 21:25 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 21:25 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 21:25 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 21:25 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:25 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:25 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:25 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 21:25 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 21:25 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:25 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:25 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 21:25 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:25 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 21:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *87* | | *59 - 120* | | *04/22/19 21:25* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* | | *04/22/19 21:25* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/22/19 21:25* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/22/19 21:25* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-019**
**Lab Sample ID: 240-110818-16**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |

## Client Sample ID: GW-041019-NK-019 Lab Sample ID: 240-110818-16

**Date Collected: 04/10/19 16:35** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 14:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |
| *2-Fluorophenol (Surr)* | *66* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |
| *Phenol-d5 (Surr)* | *46* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *78* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 14:47* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Arsenic** | **6.4** | **J** | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Barium** | **6.8** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Cadmium** | **0.67** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Chromium** | **2.7** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Cobalt** | **44** | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Iron** | **26000** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Manganese** | **5300** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Nickel** | **82** | | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Potassium** | **6100** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Sodium** | **33000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |
| **Zinc** | **140** | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:24 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:12 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-015**
**Lab Sample ID: 240-110818-17**
**Date Collected: 04/10/19 16:15**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 21:47 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:47 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:47 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 21:47 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 21:47 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 21:47 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 21:47 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 21:47 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:47 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 21:47 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:47 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:47 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 21:47 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:47 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 21:47 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 21:47 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 21:47 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 21:47 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 21:47 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 21:47 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 21:47 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 21:47 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 21:47 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 21:47 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 21:47 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 21:47 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 21:47 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 21:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/22/19 21:47* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/22/19 21:47* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/22/19 21:47* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/22/19 21:47* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |

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

Job ID: 240-110818-1

**Client Sample ID: GW-041019-NK-015**
**Date Collected: 04/10/19 16:15**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110818-17**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |

## Client Sample ID: GW-041019-NK-015 Lab Sample ID: 240-110818-17

**Date Collected: 04/10/19 16:15** **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/18/19 15:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |
| *2-Fluorophenol (Surr)* | *59* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |
| *Phenol-d5 (Surr)* | *42* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |
| *Terphenyl-d14 (Surr)* | *77* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 15:11* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Barium** | **14** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Cadmium** | **0.43** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Calcium** | **90000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Chromium** | **2.9** | **J B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Iron** | **1500** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Magnesium** | **41000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Manganese** | **71** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Nickel** | **3.6** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Potassium** | **9300** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| **Sodium** | **880000** | **B** | 10000 | 1100 | ug/L | | 04/12/19 14:00 | 04/16/19 11:43 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:29 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:14 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:23 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-NK-047**
**Lab Sample ID: 240-110818-18**
**Date Collected: 04/10/19 15:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 22:09 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:09 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:09 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 22:09 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 22:09 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 22:09 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 22:09 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 22:09 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:09 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 22:09 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:09 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:09 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 22:09 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:09 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 22:09 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 22:09 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 22:09 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 22:09 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:09 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:09 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:09 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 22:09 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 22:09 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:09 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:09 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 22:09 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:09 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 22:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *59 - 120* | | *04/22/19 22:09* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/22/19 22:09* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *86* | | *70 - 121* | | *04/22/19 22:09* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *70 - 123* | | *04/22/19 22:09* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |

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

Job ID: 240-110818-1

**Client Sample ID: GW-041019-NK-047**
**Date Collected: 04/10/19 15:30**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110818-18**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |

## Client Sample ID: GW-041019-NK-047 — Lab Sample ID: 240-110818-18

**Date Collected: 04/10/19 15:30** — **Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 07:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *77* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |
| *2-Fluorophenol (Surr)* | *76* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |
| *Phenol-d5 (Surr)* | *61* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |
| *Terphenyl-d14 (Surr)* | *86* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *74* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 07:39* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Barium** | **4.8** | **J** | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Cadmium** | **0.22** | **J** | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Calcium** | **67000** | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Chromium** | **20** | **B** | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Copper** | **5.6** | **J** | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Iron** | **9300** | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Magnesium** | **20000** | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Manganese** | **370** | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Nickel** | **13** | **J** | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Potassium** | **7700** | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| **Sodium** | **480000** | **B** | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 17:43 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 11:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 15:24 | 1 |

# Surrogate Summary

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

Job ID: 240-110818-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | BFB | DBFM | DCA | TOL |
| Lab Sample ID | Client Sample ID | (59-120) | (75-128) | (70-121) | (70-123) |
| 240-110818-1 | GW-041019-NK-041 | 93 | 98 | 93 | 95 |
| 240-110818-1 MS | GW-041019-NK-041 | 102 | 96 | 88 | 101 |
| 240-110818-1 MSD | GW-041019-NK-041 | 100 | 96 | 87 | 97 |
| 240-110818-2 | GW-041019-NK-043 | 94 | 99 | 90 | 96 |
| 240-110818-3 | GW-041019-NK-045 | 91 | 95 | 92 | 95 |
| 240-110818-4 | GW-041019-NK-039 | 96 | 100 | 93 | 97 |
| 240-110818-5 | GW-041019-NK-037 | 93 | 93 | 89 | 97 |
| 240-110818-6 | GW-041019-NK-035 | 98 | 98 | 92 | 98 |
| 240-110818-7 | GW-041019-NK-033 | 93 | 99 | 93 | 95 |
| 240-110818-8 | GW-041019-AB-014 | 96 | 101 | 93 | 99 |
| 240-110818-9 | GW-041019-AB-016 | 94 | 101 | 93 | 97 |
| 240-110818-10 | TRIP BLANK | 92 | 97 | 91 | 95 |
| 240-110818-11 | GW-041019-AB-018 | 95 | 96 | 91 | 97 |
| 240-110818-12 | GW-041019-AB-020 | 95 | 103 | 93 | 97 |
| 240-110818-13 | GW-041019-AB-022 | 93 | 99 | 93 | 99 |
| 240-110818-14 | RB-041019-AB-012 | 91 | 99 | 92 | 95 |
| 240-110818-15 | GW-041019-NK-017 | 88 | 95 | 87 | 95 |
| 240-110818-16 | GW-041019-NK-019 | 87 | 94 | 89 | 95 |
| 240-110818-17 | GW-041019-NK-015 | 92 | 98 | 89 | 97 |
| 240-110818-18 | GW-041019-NK-047 | 86 | 95 | 86 | 93 |
| LCS 240-377420/5 | Lab Control Sample | 101 | 97 | 90 | 101 |
| LCS 240-377675/5 | Lab Control Sample | 94 | 94 | 85 | 101 |
| MB 240-377420/8 | Method Blank | 94 | 95 | 90 | 98 |
| MB 240-377675/8 | Method Blank | 95 | 100 | 91 | 99 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110818-1 | GW-041019-NK-041 | 65 | 51 | 69 | 40 | 75 | 67 |
| 240-110818-1 MS | GW-041019-NK-041 | 83 | 90 | 92 | 61 | 83 | 80 |
| 240-110818-1 MSD | GW-041019-NK-041 | 81 | 91 | 90 | 65 | 83 | 82 |
| 240-110818-2 | GW-041019-NK-043 | 74 | 68 | 81 | 39 | 79 | 73 |
| 240-110818-3 | GW-041019-NK-045 | 74 | 59 | 80 | 44 | 80 | 68 |
| 240-110818-4 | GW-041019-NK-039 | 87 | 60 | 88 | 53 | 87 | 75 |
| 240-110818-5 | GW-041019-NK-037 | 82 | 68 | 85 | 47 | 81 | 80 |
| 240-110818-6 | GW-041019-NK-035 | 76 | 57 | 80 | 45 | 74 | 76 |
| 240-110818-7 | GW-041019-NK-033 | 74 | 54 | 78 | 43 | 76 | 70 |
| 240-110818-8 | GW-041019-AB-014 | 79 | 66 | 83 | 50 | 77 | 75 |
| 240-110818-9 | GW-041019-AB-016 | 72 | 56 | 77 | 44 | 74 | 66 |
| 240-110818-11 | GW-041019-AB-018 | 79 | 57 | 81 | 36 | 76 | 76 |
| 240-110818-12 | GW-041019-AB-020 | 70 | 60 | 74 | 50 | 74 | 65 |

# Surrogate Summary

Client: Eagon & Associates, Inc. Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | FBP | 2FP | NBZ | PHL | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110818-13 | GW-041019-AB-022 | 68 | 55 | 71 | 42 | 71 | 60 |
| 240-110818-14 | RB-041019-AB-012 | 83 | 62 | 86 | 46 | 84 | 75 |
| 240-110818-15 | GW-041019-NK-017 | 77 | 58 | 80 | 44 | 77 | 71 |
| 240-110818-16 | GW-041019-NK-019 | 83 | 66 | 85 | 46 | 80 | 78 |
| 240-110818-17 | GW-041019-NK-015 | 79 | 59 | 84 | 42 | 77 | 71 |
| 240-110818-18 | GW-041019-NK-047 | 77 | 76 | 84 | 61 | 86 | 74 |
| LCS 240-376702/26-A | Lab Control Sample | 85 | 87 | 98 | 60 | 89 | 82 |
| LCS 240-376703/22-A | Lab Control Sample | 88 | 93 | 98 | 63 | 96 | 85 |
| MB 240-376702/25-A | Method Blank | 76 | 54 | 79 | 44 | 81 | 76 |
| MB 240-376703/21-A | Method Blank | 78 | 71 | 81 | 48 | 94 | 71 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

**Lab Sample ID: MB 240-377420/8**
**Matrix: Water**
**Analysis Batch: 377420**

**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 | 5.4 | ug/L | | | 04/19/19 18:42 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 18:42 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 18:42 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 18:42 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 18:42 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 18:42 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 18:42 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 18:42 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 18:42 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 18:42 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 18:42 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 18:42 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 18:42 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 18:42 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 18:42 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 18:42 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 18:42 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 18:42 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 18:42 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 18:42 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 18:42 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 18:42 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 18:42 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 18:42 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 18:42 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 18:42 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 18:42 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/19/19 18:42 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/19/19 18:42* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/19/19 18:42* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/19/19 18:42* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/19/19 18:42* | *1* |

**Lab Sample ID: LCS 240-377420/5**
**Matrix: Water**
**Analysis Batch: 377420**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | | | 40.0 | 55.2 | | ug/L | | 138 | 21 - 162 | | |

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

**Lab Sample ID: LCS 240-377420/5**
**Matrix: Water**
**Analysis Batch: 377420**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 20.0 | 22.5 | | ug/L | | 112 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.5 | | ug/L | | 93 | 77 - 125 |
| Bromoform | 20.0 | 17.4 | | ug/L | | 87 | 49 - 141 |
| Bromomethane | 20.0 | 19.6 | | ug/L | | 98 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 44.4 | | ug/L | | 111 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.6 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.4 | | ug/L | | 87 | 63 - 140 |
| Chlorobenzene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 121 |
| Chloroethane | 20.0 | 21.8 | | ug/L | | 109 | 33 - 173 |
| Chloroform | 20.0 | 20.6 | | ug/L | | 103 | 79 - 127 |
| Chloromethane | 20.0 | 21.3 | | ug/L | | 107 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 20.0 | | ug/L | | 100 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.8 | | ug/L | | 94 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 22.2 | | ug/L | | 111 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.2 | | ug/L | | 86 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 21.6 | | ug/L | | 108 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 43.4 | | ug/L | | 109 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 22.4 | | ug/L | | 112 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.6 | | ug/L | | 103 | 80 - 120 |
| 2-Hexanone | 40.0 | 40.7 | | ug/L | | 102 | 43 - 148 |
| Methylene Chloride | 20.0 | 21.9 | | ug/L | | 110 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 41.5 | | ug/L | | 104 | 49 - 143 |
| Styrene | 20.0 | 20.3 | | ug/L | | 101 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.3 | | ug/L | | 126 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.1 | | ug/L | | 90 | 74 - 130 |
| Toluene | 20.0 | 20.7 | | ug/L | | 103 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.7 | | ug/L | | 88 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.5 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.5 | | ug/L | | 107 | 78 - 133 |
| Trichloroethene | 20.0 | 18.8 | | ug/L | | 94 | 76 - 125 |
| Vinyl chloride | 20.0 | 22.1 | | ug/L | | 110 | 58 - 143 |
| Xylenes, Total | 40.0 | 43.1 | | ug/L | | 108 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.6 | | ug/L | | 108 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.8 | | ug/L | | 109 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

**Lab Sample ID: 240-110818-1 MS**
**Matrix: Water**
**Analysis Batch: 377420**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 50.9 | | ug/L | | 127 | 10 - 168 |
| Benzene | ND | | 20.0 | 22.6 | | ug/L | | 113 | 71 - 122 |

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

**Lab Sample ID: 240-110818-1 MS**
**Matrix: Water**
**Analysis Batch: 377420**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 20.0 | 18.3 | | ug/L | | 92 | 64 - 125 |
| Bromoform | ND | | 20.0 | 16.2 | | ug/L | | 81 | 44 - 129 |
| Bromomethane | ND | | 20.0 | 19.9 | | ug/L | | 100 | 19 - 187 |
| 2-Butanone (MEK) | ND | | 40.0 | 45.8 | | ug/L | | 115 | 37 - 156 |
| Carbon disulfide | 0.28 | J | 20.0 | 23.6 | | ug/L | | 118 | 43 - 144 |
| Carbon tetrachloride | ND | | 20.0 | 17.6 | | ug/L | | 88 | 41 - 143 |
| Chlorobenzene | ND | | 20.0 | 20.2 | | ug/L | | 101 | 70 - 123 |
| Chloroethane | ND | | 20.0 | 22.3 | | ug/L | | 112 | 11 - 189 |
| Chloroform | ND | | 20.0 | 21.0 | | ug/L | | 105 | 68 - 130 |
| Chloromethane | ND | | 20.0 | 21.1 | | ug/L | | 106 | 31 - 154 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 17.1 | | ug/L | | 86 | 48 - 127 |
| Dibromochloromethane | ND | | 20.0 | 18.4 | | ug/L | | 92 | 60 - 129 |
| 1,1-Dichloroethane | ND | | 20.0 | 22.6 | | ug/L | | 113 | 63 - 136 |
| 1,2-Dichloroethane | ND | | 20.0 | 17.2 | | ug/L | | 86 | 65 - 135 |
| 1,1-Dichloroethene | ND | | 20.0 | 21.8 | | ug/L | | 109 | 53 - 140 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 44.0 | | ug/L | | 110 | 68 - 130 |
| 1,2-Dichloropropane | ND | | 20.0 | 22.1 | | ug/L | | 111 | 70 - 132 |
| Ethylbenzene | ND | | 20.0 | 21.4 | | ug/L | | 107 | 66 - 120 |
| 2-Hexanone | ND | | 40.0 | 42.7 | | ug/L | | 107 | 42 - 150 |
| Methylene Chloride | ND | | 20.0 | 21.5 | | ug/L | | 107 | 61 - 130 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 40.9 | | ug/L | | 102 | 44 - 143 |
| Styrene | ND | | 20.0 | 21.0 | | ug/L | | 105 | 68 - 120 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 25.6 | | ug/L | | 128 | 60 - 137 |
| Tetrachloroethene | ND | | 20.0 | 18.3 | | ug/L | | 92 | 51 - 136 |
| Toluene | ND | | 20.0 | 21.1 | | ug/L | | 106 | 62 - 132 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 15.2 | | ug/L | | 76 | 40 - 125 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 18.9 | | ug/L | | 95 | 51 - 138 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 21.6 | | ug/L | | 108 | 76 - 132 |
| Trichloroethene | 0.16 | J | 20.0 | 18.7 | | ug/L | | 93 | 55 - 131 |
| Vinyl chloride | ND | | 20.0 | 23.4 | | ug/L | | 117 | 43 - 154 |
| Xylenes, Total | ND | | 40.0 | 44.9 | | ug/L | | 112 | 67 - 120 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 22.0 | | ug/L | | 110 | 68 - 133 |
| cis-1,2-Dichloroethene | 0.19 | J | 20.0 | 22.0 | | ug/L | | 109 | 64 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

**Lab Sample ID: 240-110818-1 MSD**
**Matrix: Water**
**Analysis Batch: 377420**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 55.2 | | ug/L | | 138 | 10 - 168 | 8 | 35 |
| Benzene | ND | | 20.0 | 21.4 | | ug/L | | 107 | 71 - 122 | 5 | 22 |
| Bromodichloromethane | ND | | 20.0 | 17.8 | | ug/L | | 89 | 64 - 125 | 3 | 27 |

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

**Lab Sample ID: 240-110818-1 MSD**
**Matrix: Water**
**Analysis Batch: 377420**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | | 20.0 | 15.0 | | ug/L | | 75 | 44 - 129 | 7 | 28 |
| Bromomethane | ND | | 20.0 | 19.1 | | ug/L | | 95 | 19 - 187 | 4 | 35 |
| 2-Butanone (MEK) | ND | | 40.0 | 44.3 | | ug/L | | 111 | 37 - 156 | 3 | 35 |
| Carbon disulfide | 0.28 | J | 20.0 | 22.8 | | ug/L | | 114 | 43 - 144 | 3 | 33 |
| Carbon tetrachloride | ND | | 20.0 | 16.5 | | ug/L | | 83 | 41 - 143 | 6 | 30 |
| Chlorobenzene | ND | | 20.0 | 18.9 | | ug/L | | 94 | 70 - 123 | 7 | 23 |
| Chloroethane | ND | | 20.0 | 21.3 | | ug/L | | 106 | 11 - 189 | 5 | 35 |
| Chloroform | ND | | 20.0 | 19.5 | | ug/L | | 98 | 68 - 130 | 7 | 23 |
| Chloromethane | ND | | 20.0 | 20.1 | | ug/L | | 101 | 31 - 154 | 5 | 35 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 16.6 | | ug/L | | 83 | 48 - 127 | 3 | 30 |
| Dibromochloromethane | ND | | 20.0 | 17.1 | | ug/L | | 86 | 60 - 129 | 7 | 26 |
| 1,1-Dichloroethane | ND | | 20.0 | 21.3 | | ug/L | | 107 | 63 - 136 | 6 | 23 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.8 | | ug/L | | 84 | 65 - 135 | 3 | 24 |
| 1,1-Dichloroethene | ND | | 20.0 | 20.6 | | ug/L | | 103 | 53 - 140 | 6 | 35 |
| 1,2-Dichloroethene, Total | ND | | 40.0 | 41.9 | | ug/L | | 105 | 68 - 130 | 5 | 21 |
| 1,2-Dichloropropane | ND | | 20.0 | 21.1 | | ug/L | | 105 | 70 - 132 | 5 | 26 |
| Ethylbenzene | ND | | 20.0 | 19.8 | | ug/L | | 99 | 66 - 120 | 8 | 24 |
| 2-Hexanone | ND | | 40.0 | 41.7 | | ug/L | | 104 | 42 - 150 | 2 | 35 |
| Methylene Chloride | ND | | 20.0 | 20.9 | | ug/L | | 104 | 61 - 130 | 3 | 29 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 41.4 | | ug/L | | 103 | 44 - 143 | 1 | 35 |
| Styrene | ND | | 20.0 | 19.6 | | ug/L | | 98 | 68 - 120 | 7 | 26 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 24.1 | | ug/L | | 120 | 60 - 137 | 6 | 31 |
| Tetrachloroethene | ND | | 20.0 | 16.9 | | ug/L | | 85 | 51 - 136 | 8 | 23 |
| Toluene | ND | | 20.0 | 19.7 | | ug/L | | 98 | 62 - 132 | 7 | 23 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 13.9 | | ug/L | | 70 | 40 - 125 | 9 | 27 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 18.1 | | ug/L | | 91 | 51 - 138 | 4 | 27 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 20.3 | | ug/L | | 102 | 76 - 132 | 6 | 25 |
| Trichloroethene | 0.16 | J | 20.0 | 17.7 | | ug/L | | 88 | 55 - 131 | 5 | 23 |
| Vinyl chloride | ND | | 20.0 | 22.1 | | ug/L | | 111 | 43 - 154 | 6 | 29 |
| Xylenes, Total | ND | | 40.0 | 41.4 | | ug/L | | 104 | 67 - 120 | 8 | 25 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 21.1 | | ug/L | | 105 | 68 - 133 | 4 | 24 |
| cis-1,2-Dichloroethene | 0.19 | J | 20.0 | 20.8 | | ug/L | | 103 | 64 - 130 | 6 | 21 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* |

**Lab Sample ID: MB 240-377675/8**
**Matrix: Water**
**Analysis Batch: 377675**

**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 | 5.4 | ug/L | | | 04/22/19 18:26 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:26 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 18:26 | 1 |

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

**Lab Sample ID: MB 240-377675/8**
**Matrix: Water**
**Analysis Batch: 377675**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 18:26 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 18:26 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 18:26 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 18:26 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:26 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 18:26 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 18:26 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 18:26 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 18:26 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 18:26 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:26 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 18:26 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:26 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:26 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:26 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 18:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/22/19 18:26* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/22/19 18:26* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/22/19 18:26* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/22/19 18:26* | *1* |

**Lab Sample ID: LCS 240-377675/5**
**Matrix: Water**
**Analysis Batch: 377675**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 52.3 | | ug/L | | 131 | 21 - 162 |
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.2 | | ug/L | | 91 | 77 - 125 |
| Bromoform | 20.0 | 17.7 | | ug/L | | 88 | 49 - 141 |
| Bromomethane | 20.0 | 20.1 | | ug/L | | 100 | 41 - 175 |

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

**Lab Sample ID: LCS 240-377675/5**
**Matrix: Water**
**Analysis Batch: 377675**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | 40.0 | 45.9 | | ug/L | | 115 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.7 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.4 | | ug/L | | 87 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 121 |
| Chloroethane | 20.0 | 22.0 | | ug/L | | 110 | 33 - 173 |
| Chloroform | 20.0 | 20.6 | | ug/L | | 103 | 79 - 127 |
| Chloromethane | 20.0 | 22.0 | | ug/L | | 110 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.4 | | ug/L | | 97 | 64 - 132 |
| Dibromochloromethane | 20.0 | 19.2 | | ug/L | | 96 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.9 | | ug/L | | 109 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.0 | | ug/L | | 85 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 21.0 | | ug/L | | 105 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 43.2 | | ug/L | | 108 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.7 | | ug/L | | 109 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.6 | | ug/L | | 103 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.2 | | ug/L | | 103 | 43 - 148 |
| Methylene Chloride | 20.0 | 21.3 | | ug/L | | 106 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 39.7 | | ug/L | | 99 | 49 - 143 |
| Styrene | 20.0 | 20.1 | | ug/L | | 101 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.6 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.2 | | ug/L | | 91 | 74 - 130 |
| Toluene | 20.0 | 20.8 | | ug/L | | 104 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.8 | | ug/L | | 89 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.6 | | ug/L | | 108 | 78 - 133 |
| Trichloroethene | 20.0 | 18.5 | | ug/L | | 93 | 76 - 125 |
| Vinyl chloride | 20.0 | 22.2 | | ug/L | | 111 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.9 | | ug/L | | 105 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 108 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.7 | | ug/L | | 109 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Diethyl phthalate | 4.22 | J | 5.0 | 3.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2-Fluorophenol (Surr)* | *54* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *79* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| Acenaphthylene | 32.0 | 27.0 | | ug/L | | 84 | 59 - 120 |
| Anthracene | 32.0 | 22.1 | | ug/L | | 69 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 25.2 | | ug/L | | 79 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.3 | | ug/L | | 79 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 25.9 | | ug/L | | 81 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 27.9 | | ug/L | | 87 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.5 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 27.3 | | ug/L | | 85 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.3 | | ug/L | | 76 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 27.3 | | ug/L | | 85 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 25.9 | | ug/L | | 81 | 53 - 120 |
| Carbazole | 32.0 | 23.0 | | ug/L | | 72 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 16.5 | | ug/L | | 52 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 28.7 | | ug/L | | 90 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.8 | | ug/L | | 78 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 28.1 | | ug/L | | 88 | 62 - 120 |
| Chrysene | 32.0 | 24.2 | | ug/L | | 76 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 28.3 | | ug/L | | 88 | 62 - 120 |
| Dibenzofuran | 32.0 | 26.3 | | ug/L | | 82 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 23.6 | | ug/L | | 74 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 23.3 | | ug/L | | 73 | 49 - 120 |

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

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 32.0 | 23.2 | | ug/L | | 72 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 46.2 | | ug/L | | 72 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 30.0 | | ug/L | | 94 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.1 | | ug/L | | 88 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.5 | | ug/L | | 86 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.8 | | ug/L | | 77 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 24.4 | | ug/L | | 76 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 59.2 | | ug/L | | 93 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 52.4 | | ug/L | | 82 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.4 | | ug/L | | 89 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 26.3 | | ug/L | | 82 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 30.5 | | ug/L | | 95 | 58 - 120 |
| Fluoranthene | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Fluorene | 32.0 | 24.8 | | ug/L | | 78 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 22.2 | | ug/L | | 69 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 28.7 | | ug/L | | 90 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 26.6 | | ug/L | | 83 | 30 - 120 |
| Hexachloroethane | 32.0 | 23.6 | | ug/L | | 74 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.0 | | ug/L | | 87 | 62 - 120 |
| Isophorone | 32.0 | 28.1 | | ug/L | | 88 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.8 | | ug/L | | 80 | 58 - 120 |
| 2-Methylphenol | 32.0 | 26.2 | | ug/L | | 82 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 25.0 | | ug/L | | 78 | 50 - 120 |
| Naphthalene | 32.0 | 25.7 | | ug/L | | 80 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 30.1 | | ug/L | | 94 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 28.8 | | ug/L | | 90 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 31.5 | | ug/L | | 98 | 54 - 135 |
| Nitrobenzene | 32.0 | 28.7 | | ug/L | | 90 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.1 | | ug/L | | 97 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 31.7 | | ug/L | | 50 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 25.1 | | ug/L | | 78 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 22.9 | | ug/L | | 72 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 26.8 | | ug/L | | 84 | 50 - 120 |
| Pentachlorophenol | 64.0 | 35.5 | | ug/L | | 55 | 30 - 120 |
| Phenanthrene | 32.0 | 21.8 | | ug/L | | 68 | 59 - 120 |
| Phenol | 32.0 | 18.0 | | ug/L | | 56 | 25 - 120 |
| Pyrene | 32.0 | 25.8 | | ug/L | | 81 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 26.2 | | ug/L | | 82 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 25.3 | | ug/L | | 79 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 26.6 | | ug/L | | 83 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *87* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *60* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *82* | | *33 - 120* |

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

**Lab Sample ID: 240-110818-1 MS**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 21.9 | | ug/L | | 77 | 31 - 120 |
| Acenaphthylene | ND | | 28.6 | 22.4 | | ug/L | | 78 | 27 - 120 |
| Anthracene | ND | | 28.6 | 19.4 | | ug/L | | 68 | 33 - 120 |
| Benzo[a]anthracene | ND | | 28.6 | 21.3 | | ug/L | | 74 | 31 - 120 |
| Benzo[a]pyrene | ND | | 28.6 | 21.8 | | ug/L | | 76 | 22 - 124 |
| Benzo[b]fluoranthene | ND | | 28.6 | 22.1 | | ug/L | | 77 | 25 - 124 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 23.2 | | ug/L | | 81 | 14 - 123 |
| Benzo[k]fluoranthene | ND | | 28.6 | 22.1 | | ug/L | | 77 | 24 - 124 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 22.5 | | ug/L | | 79 | 48 - 120 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 21.5 | | ug/L | | 75 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 24.0 | | ug/L | | 84 | 10 - 126 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.2 | | ug/L | | 74 | 44 - 120 |
| Butylbenzylphthalate | ND | | 28.6 | 22.5 | | ug/L | | 79 | 32 - 120 |
| Carbazole | ND | | 28.6 | 19.9 | | ug/L | | 70 | 15 - 159 |
| 4-Chloroaniline | ND | | 28.6 | 13.5 | | ug/L | | 47 | 10 - 162 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 25.2 | | ug/L | | 88 | 39 - 120 |
| 2-Chloronaphthalene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 40 - 120 |
| 2-Chlorophenol | ND | | 28.6 | 23.1 | | ug/L | | 81 | 52 - 120 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 23.3 | | ug/L | | 81 | 42 - 120 |
| Chrysene | ND | | 28.6 | 21.1 | | ug/L | | 74 | 32 - 120 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 23.4 | | ug/L | | 82 | 16 - 124 |
| Dibenzofuran | ND | | 28.6 | 21.7 | | ug/L | | 76 | 40 - 120 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 18.6 | | ug/L | | 65 | 41 - 120 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 17.9 | | ug/L | | 63 | 38 - 120 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 18.3 | | ug/L | | 64 | 39 - 120 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 38.3 | | ug/L | | 67 | 10 - 121 |
| 2,4-Dichlorophenol | ND | | 28.6 | 25.6 | | ug/L | | 90 | 43 - 120 |
| Diethyl phthalate | ND | | 28.6 | 25.9 | | ug/L | | 91 | 29 - 120 |
| 2,4-Dimethylphenol | ND | | 28.6 | 24.5 | | ug/L | | 86 | 40 - 120 |
| Dimethyl phthalate | ND | | 28.6 | 22.0 | | ug/L | | 77 | 32 - 120 |
| Di-n-butyl phthalate | ND | | 28.6 | 21.4 | | ug/L | | 75 | 34 - 120 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 53.5 | | ug/L | | 94 | 25 - 120 |
| 2,4-Dinitrophenol | ND | | 57.1 | 48.1 | | ug/L | | 84 | 10 - 120 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 24.5 | | ug/L | | 86 | 54 - 120 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 24.4 | | ug/L | | 85 | 55 - 120 |
| Di-n-octyl phthalate | ND | | 28.6 | 25.8 | | ug/L | | 90 | 13 - 134 |
| Fluoranthene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 34 - 120 |
| Fluorene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 34 - 120 |
| Hexachlorobenzene | ND | | 28.6 | 18.9 | | ug/L | | 66 | 42 - 120 |
| Hexachlorobutadiene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 29 - 120 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 12.8 | | ug/L | | 45 | 17 - 120 |
| Hexachloroethane | ND | | 28.6 | 17.7 | | ug/L | | 62 | 16 - 120 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 16 - 125 |
| Isophorone | ND | | 28.6 | 23.5 | | ug/L | | 82 | 48 - 120 |
| 2-Methylnaphthalene | ND | | 28.6 | 20.4 | | ug/L | | 71 | 30 - 120 |
| 2-Methylphenol | ND | | 28.6 | 23.1 | | ug/L | | 81 | 47 - 120 |
| 3 & 4 Methylphenol | ND | | 28.6 | 22.6 | | ug/L | | 79 | 44 - 120 |
| Naphthalene | ND | | 28.6 | 20.5 | | ug/L | | 72 | 19 - 120 |

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

**Lab Sample ID: 240-110818-1 MS**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377069**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nitroaniline | ND | | 28.6 | 27.5 | | ug/L | | 96 | 45 - 120 |
| 3-Nitroaniline | ND | | 28.6 | 23.8 | | ug/L | | 83 | 10 - 177 |
| 4-Nitroaniline | ND | | 28.6 | 25.7 | | ug/L | | 90 | 12 - 131 |
| Nitrobenzene | ND | | 28.6 | 24.2 | | ug/L | | 85 | 39 - 120 |
| 2-Nitrophenol | ND | | 28.6 | 26.2 | | ug/L | | 92 | 51 - 120 |
| 4-Nitrophenol | ND | | 57.1 | 33.1 | | ug/L | | 58 | 13 - 120 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 22.6 | | ug/L | | 79 | 47 - 120 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 20.1 | | ug/L | | 70 | 45 - 120 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 23.4 | | ug/L | | 82 | 41 - 120 |
| Pentachlorophenol | ND | | 57.1 | 32.1 | | ug/L | | 56 | 29 - 120 |
| Phenanthrene | ND | | 28.6 | 18.9 | | ug/L | | 66 | 33 - 120 |
| Phenol | ND | | 28.6 | 16.4 | | ug/L | | 58 | 24 - 120 |
| Pyrene | ND | | 28.6 | 22.0 | | ug/L | | 77 | 36 - 120 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 20.8 | | ug/L | | 73 | 40 - 120 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 23.7 | | ug/L | | 83 | 49 - 120 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 24.2 | | ug/L | | 85 | 47 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *90* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *92* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *61* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *80* | | *33 - 120* |

**Lab Sample ID: 240-110818-1 MSD**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377069**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 21.9 | | ug/L | | 77 | 31 - 120 | 0 | 35 |
| Acenaphthylene | ND | | 28.6 | 22.3 | | ug/L | | 78 | 27 - 120 | 0 | 35 |
| Anthracene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 33 - 120 | 3 | 35 |
| Benzo[a]anthracene | ND | | 28.6 | 21.4 | | ug/L | | 75 | 31 - 120 | 1 | 35 |
| Benzo[a]pyrene | ND | | 28.6 | 22.7 | | ug/L | | 79 | 22 - 124 | 4 | 35 |
| Benzo[b]fluoranthene | ND | | 28.6 | 22.5 | | ug/L | | 79 | 25 - 124 | 2 | 35 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 23.9 | | ug/L | | 84 | 14 - 123 | 3 | 35 |
| Benzo[k]fluoranthene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 24 - 124 | 8 | 35 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 22.9 | | ug/L | | 80 | 48 - 120 | 2 | 29 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 21.7 | | ug/L | | 76 | 45 - 120 | 1 | 31 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 24.2 | | ug/L | | 85 | 10 - 126 | 1 | 35 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.4 | | ug/L | | 75 | 44 - 120 | 1 | 32 |
| Butylbenzylphthalate | ND | | 28.6 | 22.9 | | ug/L | | 80 | 32 - 120 | 2 | 35 |
| Carbazole | ND | | 28.6 | 21.0 | | ug/L | | 74 | 15 - 159 | 5 | 33 |
| 4-Chloroaniline | ND | | 28.6 | 10.5 | | ug/L | | 37 | 10 - 162 | 24 | 35 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 25.6 | | ug/L | | 90 | 39 - 120 | 1 | 31 |
| 2-Chloronaphthalene | ND | | 28.6 | 19.9 | | ug/L | | 70 | 40 - 120 | 0 | 35 |
| 2-Chlorophenol | ND | | 28.6 | 23.8 | | ug/L | | 83 | 52 - 120 | 3 | 33 |

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

**Lab Sample ID: 240-110818-1 MSD**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377069**
**Prep Batch: 376702**

| 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 | 23.4 | | ug/L | | 82 | 42 - 120 | 0 | 33 |
| Chrysene | ND | | 28.6 | 21.4 | | ug/L | | 75 | 32 - 120 | 1 | 35 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 24.5 | | ug/L | | 86 | 16 - 124 | 4 | 35 |
| Dibenzofuran | ND | | 28.6 | 21.4 | | ug/L | | 75 | 40 - 120 | 1 | 35 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 17.9 | | ug/L | | 63 | 41 - 120 | 4 | 24 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 17.2 | | ug/L | | 60 | 38 - 120 | 4 | 26 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 17.5 | | ug/L | | 61 | 39 - 120 | 5 | 26 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 39.3 | | ug/L | | 69 | 10 - 121 | 3 | 35 |
| 2,4-Dichlorophenol | ND | | 28.6 | 25.4 | | ug/L | | 89 | 43 - 120 | 1 | 35 |
| Diethyl phthalate | ND | | 28.6 | 24.0 | | ug/L | | 84 | 29 - 120 | 7 | 35 |
| 2,4-Dimethylphenol | ND | | 28.6 | 24.2 | | ug/L | | 85 | 40 - 120 | 1 | 29 |
| Dimethyl phthalate | ND | | 28.6 | 21.8 | | ug/L | | 76 | 32 - 120 | 1 | 35 |
| Di-n-butyl phthalate | ND | | 28.6 | 22.3 | | ug/L | | 78 | 34 - 120 | 4 | 35 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 53.9 | | ug/L | | 94 | 25 - 120 | 1 | 29 |
| 2,4-Dinitrophenol | ND | | 57.1 | 45.6 | | ug/L | | 80 | 10 - 120 | 5 | 31 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 24.7 | | ug/L | | 87 | 54 - 120 | 1 | 25 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 55 - 120 | 2 | 26 |
| Di-n-octyl phthalate | ND | | 28.6 | 27.4 | | ug/L | | 96 | 13 - 134 | 6 | 35 |
| Fluoranthene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 34 - 120 | 3 | 35 |
| Fluorene | ND | | 28.6 | 21.4 | | ug/L | | 75 | 34 - 120 | 1 | 35 |
| Hexachlorobenzene | ND | | 28.6 | 19.3 | | ug/L | | 68 | 42 - 120 | 2 | 33 |
| Hexachlorobutadiene | ND | | 28.6 | 21.1 | | ug/L | | 74 | 29 - 120 | 1 | 35 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 12.9 | | ug/L | | 45 | 17 - 120 | 1 | 33 |
| Hexachloroethane | ND | | 28.6 | 17.0 | | ug/L | | 59 | 16 - 120 | 5 | 35 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.7 | | ug/L | | 86 | 16 - 125 | 3 | 35 |
| Isophorone | ND | | 28.6 | 23.6 | | ug/L | | 83 | 48 - 120 | 1 | 28 |
| 2-Methylnaphthalene | ND | | 28.6 | 20.4 | | ug/L | | 71 | 30 - 120 | 0 | 35 |
| 2-Methylphenol | ND | | 28.6 | 23.8 | | ug/L | | 83 | 47 - 120 | 3 | 30 |
| 3 & 4 Methylphenol | ND | | 28.6 | 23.6 | | ug/L | | 83 | 44 - 120 | 4 | 27 |
| Naphthalene | ND | | 28.6 | 20.7 | | ug/L | | 72 | 19 - 120 | 1 | 35 |
| 2-Nitroaniline | ND | | 28.6 | 27.0 | | ug/L | | 94 | 45 - 120 | 2 | 28 |
| 3-Nitroaniline | ND | | 28.6 | 23.8 | | ug/L | | 83 | 10 - 177 | 0 | 35 |
| 4-Nitroaniline | ND | | 28.6 | 26.7 | | ug/L | | 93 | 12 - 131 | 4 | 35 |
| Nitrobenzene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 39 - 120 | 1 | 30 |
| 2-Nitrophenol | ND | | 28.6 | 26.3 | | ug/L | | 92 | 51 - 120 | 0 | 29 |
| 4-Nitrophenol | ND | | 57.1 | 35.2 | | ug/L | | 62 | 13 - 120 | 6 | 30 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 22.9 | | ug/L | | 80 | 47 - 120 | 1 | 33 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 20.3 | | ug/L | | 71 | 45 - 120 | 1 | 26 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 24.4 | | ug/L | | 85 | 41 - 120 | 4 | 33 |
| Pentachlorophenol | ND | | 57.1 | 32.3 | | ug/L | | 57 | 29 - 120 | 1 | 31 |
| Phenanthrene | ND | | 28.6 | 19.7 | | ug/L | | 69 | 33 - 120 | 4 | 35 |
| Phenol | ND | | 28.6 | 17.6 | | ug/L | | 61 | 24 - 120 | 7 | 35 |
| Pyrene | ND | | 28.6 | 22.4 | | ug/L | | 79 | 36 - 120 | 2 | 35 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 21.0 | | ug/L | | 73 | 40 - 120 | 1 | 26 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 22.5 | | ug/L | | 79 | 49 - 120 | 5 | 30 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 23.7 | | ug/L | | 83 | 47 - 120 | 2 | 35 |

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

**Lab Sample ID: 240-110818-1 MSD**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *91* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *90* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *65* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *82* | | *33 - 120* |

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Diethyl phthalate | ND | | 5.0 | 3.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

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

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2-Fluorophenol (Surr)* | *71* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Terphenyl-d14 (Surr)* | *94* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 26.4 | | ug/L | | 82 | 59 - 120 |
| Acenaphthylene | 32.0 | 27.0 | | ug/L | | 84 | 59 - 120 |
| Anthracene | 32.0 | 23.4 | | ug/L | | 73 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 26.1 | | ug/L | | 81 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 27.3 | | ug/L | | 85 | 62 - 120 |

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

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | 32.0 | 28.9 | | ug/L | | 90 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.0 | | ug/L | | 81 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 26.8 | | ug/L | | 84 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.7 | | ug/L | | 77 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 28.6 | | ug/L | | 89 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 25.8 | | ug/L | | 81 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 27.0 | | ug/L | | 84 | 53 - 120 |
| Carbazole | 32.0 | 24.6 | | ug/L | | 77 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 15.0 | | ug/L | | 47 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 28.5 | | ug/L | | 89 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.6 | | ug/L | | 77 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 27.1 | | ug/L | | 85 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 28.2 | | ug/L | | 88 | 62 - 120 |
| Chrysene | 32.0 | 25.7 | | ug/L | | 80 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 29.0 | | ug/L | | 91 | 62 - 120 |
| Dibenzofuran | 32.0 | 26.0 | | ug/L | | 81 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 22.5 | | ug/L | | 70 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 22.6 | | ug/L | | 71 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 46.1 | | ug/L | | 72 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 30.2 | | ug/L | | 94 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.2 | | ug/L | | 88 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 26.3 | | ug/L | | 82 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.9 | | ug/L | | 78 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 62.0 | | ug/L | | 97 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 48.8 | | ug/L | | 76 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.8 | | ug/L | | 90 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 27.4 | | ug/L | | 86 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 31.2 | | ug/L | | 97 | 58 - 120 |
| Fluoranthene | 32.0 | 25.6 | | ug/L | | 80 | 62 - 120 |
| Fluorene | 32.0 | 25.7 | | ug/L | | 80 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 23.0 | | ug/L | | 72 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 28.8 | | ug/L | | 90 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 24.4 | | ug/L | | 76 | 30 - 120 |
| Hexachloroethane | 32.0 | 23.6 | | ug/L | | 74 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.7 | | ug/L | | 90 | 62 - 120 |
| Isophorone | 32.0 | 26.9 | | ug/L | | 84 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.5 | | ug/L | | 80 | 58 - 120 |
| 2-Methylphenol | 32.0 | 26.4 | | ug/L | | 83 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 25.9 | | ug/L | | 81 | 50 - 120 |
| Naphthalene | 32.0 | 25.2 | | ug/L | | 79 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 31.0 | | ug/L | | 97 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 26.7 | | ug/L | | 83 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 30.5 | | ug/L | | 95 | 54 - 135 |
| Nitrobenzene | 32.0 | 27.5 | | ug/L | | 86 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.2 | | ug/L | | 98 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 32.7 | | ug/L | | 51 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 26.0 | | ug/L | | 81 | 55 - 120 |

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

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | 32.0 | 24.2 | | ug/L | | 76 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 28.3 | | ug/L | | 88 | 50 - 120 |
| Pentachlorophenol | 64.0 | 34.1 | | ug/L | | 53 | 30 - 120 |
| Phenanthrene | 32.0 | 23.3 | | ug/L | | 73 | 59 - 120 |
| Phenol | 32.0 | 18.5 | | ug/L | | 58 | 25 - 120 |
| Pyrene | 32.0 | 27.2 | | ug/L | | 85 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 27.1 | | ug/L | | 85 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 28.2 | | ug/L | | 88 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *88* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *93* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *63* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *96* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *33 - 120* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 240-376228/1-A**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Chromium | 1.53 | J | 10 | 0.63 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Sodium | 2020 | J | 5000 | 560 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/12/19 14:00 | 04/15/19 15:31 | 1 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 240-376228/2-A**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | 1960 | | ug/L | | 98 | 80 - 120 |
| Antimony | 500 | 486 | | ug/L | | 97 | 80 - 120 |
| Arsenic | 2000 | 2150 | | ug/L | | 107 | 80 - 120 |
| Barium | 2000 | 2050 | | ug/L | | 102 | 80 - 120 |
| Beryllium | 50.0 | 49.5 | | ug/L | | 99 | 80 - 120 |
| Cadmium | 50.0 | 55.1 | | ug/L | | 110 | 80 - 120 |
| Calcium | 50000 | 50100 | | ug/L | | 100 | 80 - 120 |
| Chromium | 200 | 194 | | ug/L | | 97 | 80 - 120 |
| Cobalt | 500 | 520 | | ug/L | | 104 | 80 - 120 |
| Copper | 250 | 259 | | ug/L | | 104 | 80 - 120 |
| Iron | 1000 | 991 | | ug/L | | 99 | 80 - 120 |
| Lead | 500 | 473 | | ug/L | | 95 | 80 - 120 |
| Magnesium | 50000 | 49700 | | ug/L | | 99 | 80 - 120 |
| Manganese | 500 | 495 | | ug/L | | 99 | 80 - 120 |
| Nickel | 500 | 510 | | ug/L | | 102 | 80 - 120 |
| Potassium | 50000 | 50900 | | ug/L | | 102 | 80 - 120 |
| Selenium | 2000 | 2240 | | ug/L | | 112 | 80 - 120 |
| Silver | 50.0 | 53.6 | | ug/L | | 107 | 80 - 120 |
| Sodium | 50000 | 48100 | | ug/L | | 96 | 80 - 120 |
| Thallium | 2000 | 1840 | | ug/L | | 92 | 80 - 120 |
| Vanadium | 500 | 514 | | ug/L | | 103 | 80 - 120 |
| Zinc | 500 | 532 | | ug/L | | 106 | 80 - 120 |

**Lab Sample ID: 240-110818-1 MS**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 2070 | | ug/L | | 103 | 75 - 125 |
| Antimony | ND | | 500 | 512 | | ug/L | | 102 | 75 - 125 |
| Arsenic | ND | | 2000 | 2170 | | ug/L | | 109 | 75 - 125 |
| Barium | 10 | J | 2000 | 2030 | | ug/L | | 101 | 75 - 125 |
| Beryllium | ND | | 50.0 | 49.9 | | ug/L | | 100 | 75 - 125 |
| Cadmium | ND | | 50.0 | 54.1 | | ug/L | | 108 | 75 - 125 |
| Calcium | 2700 | J | 50000 | 52000 | | ug/L | | 99 | 75 - 125 |
| Chromium | 1.0 | J B | 200 | 198 | | ug/L | | 99 | 75 - 125 |
| Cobalt | ND | | 500 | 534 | | ug/L | | 107 | 75 - 125 |
| Copper | ND | | 250 | 261 | | ug/L | | 104 | 75 - 125 |
| Iron | 3800 | F1 | 1000 | 4680 | | ug/L | | 88 | 75 - 125 |
| Lead | ND | | 500 | 467 | | ug/L | | 93 | 75 - 125 |
| Magnesium | 1100 | J | 50000 | 50500 | | ug/L | | 99 | 75 - 125 |
| Manganese | 26 | | 500 | 525 | | ug/L | | 100 | 75 - 125 |
| Nickel | 3.5 | J | 500 | 533 | | ug/L | | 106 | 75 - 125 |
| Potassium | 3100 | J | 50000 | 54300 | | ug/L | | 102 | 75 - 125 |
| Selenium | ND | | 2000 | 1950 | | ug/L | | 97 | 75 - 125 |
| Silver | ND | | 50.0 | 53.9 | | ug/L | | 108 | 75 - 125 |
| Thallium | ND | | 2000 | 1860 | | ug/L | | 93 | 75 - 125 |
| Vanadium | ND | | 500 | 514 | | ug/L | | 103 | 75 - 125 |
| Zinc | ND | | 500 | 557 | | ug/L | | 111 | 75 - 125 |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: 240-110818-1 MS**
**Matrix: Water**
**Analysis Batch: 376853**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 500000 | B | 50000 | 553000 | 4 | ug/L | | 111 | 75 - 125 | | |

**Lab Sample ID: 240-110818-1 MSD**
**Matrix: Water**
**Analysis Batch: 376523**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 1920 | | ug/L | | 96 | 75 - 125 | 8 | 20 |
| Antimony | ND | | 500 | 472 | | ug/L | | 94 | 75 - 125 | 8 | 20 |
| Arsenic | ND | | 2000 | 2000 | | ug/L | | 100 | 75 - 125 | 8 | 20 |
| Barium | 10 | J | 2000 | 1860 | | ug/L | | 92 | 75 - 125 | 9 | 20 |
| Beryllium | ND | | 50.0 | 46.4 | | ug/L | | 93 | 75 - 125 | 7 | 20 |
| Cadmium | ND | | 50.0 | 49.6 | | ug/L | | 99 | 75 - 125 | 9 | 20 |
| Calcium | 2700 | J | 50000 | 47600 | | ug/L | | 90 | 75 - 125 | 9 | 20 |
| Chromium | 1.0 | J B | 200 | 181 | | ug/L | | 90 | 75 - 125 | 9 | 20 |
| Cobalt | ND | | 500 | 488 | | ug/L | | 98 | 75 - 125 | 9 | 20 |
| Copper | ND | | 250 | 242 | | ug/L | | 97 | 75 - 125 | 8 | 20 |
| Iron | 3800 | F1 | 1000 | 4420 | F1 | ug/L | | 62 | 75 - 125 | 6 | 20 |
| Lead | ND | | 500 | 433 | | ug/L | | 87 | 75 - 125 | 8 | 20 |
| Magnesium | 1100 | J | 50000 | 46200 | | ug/L | | 90 | 75 - 125 | 9 | 20 |
| Manganese | 26 | | 500 | 486 | | ug/L | | 92 | 75 - 125 | 8 | 20 |
| Nickel | 3.5 | J | 500 | 486 | | ug/L | | 96 | 75 - 125 | 9 | 20 |
| Potassium | 3100 | J | 50000 | 49800 | | ug/L | | 94 | 75 - 125 | 8 | 20 |
| Selenium | ND | | 2000 | 1790 | | ug/L | | 90 | 75 - 125 | 8 | 20 |
| Silver | ND | | 50.0 | 51.2 | | ug/L | | 102 | 75 - 125 | 5 | 20 |
| Thallium | ND | | 2000 | 1700 | | ug/L | | 85 | 75 - 125 | 9 | 20 |
| Vanadium | ND | | 500 | 469 | | ug/L | | 94 | 75 - 125 | 9 | 20 |
| Zinc | ND | | 500 | 507 | | ug/L | | 101 | 75 - 125 | 9 | 20 |

**Lab Sample ID: 240-110818-1 MSD**
**Matrix: Water**
**Analysis Batch: 376853**

**Client Sample ID: GW-041019-NK-041**
**Prep Type: Total Recoverable**
**Prep Batch: 376228**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 500000 | B | 50000 | 545000 | 4 | ug/L | | 95 | 75 - 125 | 1 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-376229/1-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376229**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/12/19 12:00 | 04/16/19 10:26 | 1 |

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: LCS 240-376229/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376847**
**Prep Batch: 376229**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | | | 5.00 | 5.25 | | ug/L | | 105 | 80 - 120 | | |

**Lab Sample ID: 240-110818-1 MS**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376847**
**Prep Batch: 376229**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 1.05 | | ug/L | | 105 | 80 - 120 | | |

**Lab Sample ID: 240-110818-1 MSD**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 376847**
**Prep Batch: 376229**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.985 | | ug/L | | 98 | 80 - 120 | 6 | 20 |

## Method: 9012B - Cyanide, Total andor Amenable

**Lab Sample ID: MB 240-376994/1-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377008**
**Prep Batch: 376994**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/17/19 14:00 | 04/17/19 14:39 | 1 |

**Lab Sample ID: LCS 240-376994/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377008**
**Prep Batch: 376994**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | | | 0.194 | 0.181 | | mg/L | | 93 | 59 - 129 | | |

**Lab Sample ID: 240-110818-1 MS**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377008**
**Prep Batch: 376994**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.200 | 0.200 | | mg/L | | 100 | 22 - 135 | | |

**Lab Sample ID: 240-110818-1 MSD**
**Client Sample ID: GW-041019-NK-041**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 377008**
**Prep Batch: 376994**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.200 | 0.187 | | mg/L | | 94 | 22 - 135 | 7 | 40 |

# QC Association Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## GC/MS VOA

### Analysis Batch: 377420

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 8260C | |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 8260C | |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 8260C | |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 8260C | |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 8260C | |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 8260C | |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 8260C | |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 8260C | |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 8260C | |
| 240-110818-10 | TRIP BLANK | Total/NA | Water | 8260C | |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 8260C | |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 8260C | |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 8260C | |
| MB 240-377420/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377420/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 8260C | |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 8260C | |

### Analysis Batch: 377675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 8260C | |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 8260C | |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 8260C | |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 8260C | |
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 8260C | |
| MB 240-377675/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377675/5 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 3510C | |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 3510C | |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 3510C | |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 3510C | |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 3510C | |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 3510C | |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 3510C | |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 3510C | |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 3510C | |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 3510C | |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 3510C | |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 3510C | |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 3510C | |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 3510C | |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 3510C | |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 3510C | |
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 3510C | |

## GC/MS Semi VOA (Continued)

### Prep Batch: 376702 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 3510C | |

### Prep Batch: 376703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 3510C | |
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Analysis Batch: 376831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 8270D | 376702 |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 8270D | 376702 |

### Analysis Batch: 377069

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 8270D | 376702 |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 8270D | 376702 |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 8270D | 376702 |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 8270D | 376702 |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 8270D | 376702 |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 8270D | 376702 |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 8270D | 376702 |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 8270D | 376702 |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 8270D | 376702 |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 8270D | 376702 |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 8270D | 376702 |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 8270D | 376702 |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 8270D | 376702 |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 8270D | 376702 |
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 8270D | 376702 |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 8270D | 376702 |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 8270D | 376702 |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 8270D | 376702 |

### Analysis Batch: 377488

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 8270D | 376703 |
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 8270D | 376703 |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 8270D | 376703 |

## Metals

### Prep Batch: 376228

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total Recoverable | Water | 3005A | |
| 240-110818-2 | GW-041019-NK-043 | Total Recoverable | Water | 3005A | |
| 240-110818-3 | GW-041019-NK-045 | Total Recoverable | Water | 3005A | |
| 240-110818-4 | GW-041019-NK-039 | Total Recoverable | Water | 3005A | |
| 240-110818-5 | GW-041019-NK-037 | Total Recoverable | Water | 3005A | |
| 240-110818-6 | GW-041019-NK-035 | Total Recoverable | Water | 3005A | |
| 240-110818-7 | GW-041019-NK-033 | Total Recoverable | Water | 3005A | |

## Metals (Continued)

### Prep Batch: 376228 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-8 | GW-041019-AB-014 | Total Recoverable | Water | 3005A | |
| 240-110818-9 | GW-041019-AB-016 | Total Recoverable | Water | 3005A | |
| 240-110818-11 | GW-041019-AB-018 | Total Recoverable | Water | 3005A | |
| 240-110818-12 | GW-041019-AB-020 | Total Recoverable | Water | 3005A | |
| 240-110818-13 | GW-041019-AB-022 | Total Recoverable | Water | 3005A | |
| 240-110818-14 | RB-041019-AB-012 | Total Recoverable | Water | 3005A | |
| 240-110818-15 | GW-041019-NK-017 | Total Recoverable | Water | 3005A | |
| 240-110818-16 | GW-041019-NK-019 | Total Recoverable | Water | 3005A | |
| 240-110818-17 | GW-041019-NK-015 | Total Recoverable | Water | 3005A | |
| 240-110818-18 | GW-041019-NK-047 | Total Recoverable | Water | 3005A | |
| MB 240-376228/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 240-376228/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 240-110818-1 MS | GW-041019-NK-041 | Total Recoverable | Water | 3005A | |
| 240-110818-1 MSD | GW-041019-NK-041 | Total Recoverable | Water | 3005A | |

### Prep Batch: 376229

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 7470A | |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 7470A | |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 7470A | |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 7470A | |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 7470A | |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 7470A | |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 7470A | |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 7470A | |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 7470A | |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 7470A | |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 7470A | |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 7470A | |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 7470A | |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 7470A | |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 7470A | |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 7470A | |
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 7470A | |
| MB 240-376229/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376229/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 7470A | |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 7470A | |

### Analysis Batch: 376523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-2 | GW-041019-NK-043 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-3 | GW-041019-NK-045 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-4 | GW-041019-NK-039 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-5 | GW-041019-NK-037 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-6 | GW-041019-NK-035 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-7 | GW-041019-NK-033 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-8 | GW-041019-AB-014 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-9 | GW-041019-AB-016 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-11 | GW-041019-AB-018 | Total Recoverable | Water | 6010C | 376228 |

## Metals (Continued)

### Analysis Batch: 376523 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-12 | GW-041019-AB-020 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-13 | GW-041019-AB-022 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-14 | RB-041019-AB-012 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-15 | GW-041019-NK-017 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-16 | GW-041019-NK-019 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-17 | GW-041019-NK-015 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-18 | GW-041019-NK-047 | Total Recoverable | Water | 6010C | 376228 |
| MB 240-376228/1-A | Method Blank | Total Recoverable | Water | 6010C | 376228 |
| LCS 240-376228/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-1 MS | GW-041019-NK-041 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-1 MSD | GW-041019-NK-041 | Total Recoverable | Water | 6010C | 376228 |

### Analysis Batch: 376847

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 7470A | 376229 |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 7470A | 376229 |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 7470A | 376229 |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 7470A | 376229 |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 7470A | 376229 |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 7470A | 376229 |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 7470A | 376229 |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 7470A | 376229 |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 7470A | 376229 |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 7470A | 376229 |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 7470A | 376229 |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 7470A | 376229 |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 7470A | 376229 |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 7470A | 376229 |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 7470A | 376229 |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 7470A | 376229 |
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 7470A | 376229 |
| MB 240-376229/1-A | Method Blank | Total/NA | Water | 7470A | 376229 |
| LCS 240-376229/2-A | Lab Control Sample | Total/NA | Water | 7470A | 376229 |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 7470A | 376229 |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 7470A | 376229 |

### Analysis Batch: 376853

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-7 | GW-041019-NK-033 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-11 | GW-041019-AB-018 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-13 | GW-041019-AB-022 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-17 | GW-041019-NK-015 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-1 MS | GW-041019-NK-041 | Total Recoverable | Water | 6010C | 376228 |
| 240-110818-1 MSD | GW-041019-NK-041 | Total Recoverable | Water | 6010C | 376228 |

## General Chemistry

### Prep Batch: 376994

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 9012B | |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 9012B | |

## General Chemistry (Continued)

### Prep Batch: 376994 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 9012B | |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 9012B | |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 9012B | |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 9012B | |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 9012B | |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 9012B | |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 9012B | |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 9012B | |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 9012B | |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 9012B | |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 9012B | |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 9012B | |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 9012B | |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 9012B | |
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 9012B | |
| MB 240-376994/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-376994/2-A | Lab Control Sample | Total/NA | Water | 9012B | |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 9012B | |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 9012B | |

### Analysis Batch: 377008

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110818-1 | GW-041019-NK-041 | Total/NA | Water | 9012B | 376994 |
| 240-110818-2 | GW-041019-NK-043 | Total/NA | Water | 9012B | 376994 |
| 240-110818-3 | GW-041019-NK-045 | Total/NA | Water | 9012B | 376994 |
| 240-110818-4 | GW-041019-NK-039 | Total/NA | Water | 9012B | 376994 |
| 240-110818-5 | GW-041019-NK-037 | Total/NA | Water | 9012B | 376994 |
| 240-110818-6 | GW-041019-NK-035 | Total/NA | Water | 9012B | 376994 |
| 240-110818-7 | GW-041019-NK-033 | Total/NA | Water | 9012B | 376994 |
| 240-110818-8 | GW-041019-AB-014 | Total/NA | Water | 9012B | 376994 |
| 240-110818-9 | GW-041019-AB-016 | Total/NA | Water | 9012B | 376994 |
| 240-110818-11 | GW-041019-AB-018 | Total/NA | Water | 9012B | 376994 |
| 240-110818-12 | GW-041019-AB-020 | Total/NA | Water | 9012B | 376994 |
| 240-110818-13 | GW-041019-AB-022 | Total/NA | Water | 9012B | 376994 |
| 240-110818-14 | RB-041019-AB-012 | Total/NA | Water | 9012B | 376994 |
| 240-110818-15 | GW-041019-NK-017 | Total/NA | Water | 9012B | 376994 |
| 240-110818-16 | GW-041019-NK-019 | Total/NA | Water | 9012B | 376994 |
| 240-110818-17 | GW-041019-NK-015 | Total/NA | Water | 9012B | 376994 |
| 240-110818-18 | GW-041019-NK-047 | Total/NA | Water | 9012B | 376994 |
| MB 240-376994/1-A | Method Blank | Total/NA | Water | 9012B | 376994 |
| LCS 240-376994/2-A | Lab Control Sample | Total/NA | Water | 9012B | 376994 |
| 240-110818-1 MS | GW-041019-NK-041 | Total/NA | Water | 9012B | 376994 |
| 240-110818-1 MSD | GW-041019-NK-041 | Total/NA | Water | 9012B | 376994 |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-NK-041
**Lab Sample ID: 240-110818-1**
**Date Collected: 04/10/19 14:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/19/19 21:40 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 09:07 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 15:49 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:30 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 14:46 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-043
**Lab Sample ID: 240-110818-2**
**Date Collected: 04/10/19 15:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/19/19 23:08 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 19:41 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:12 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:41 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 14:51 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-045
**Lab Sample ID: 240-110818-3**
**Date Collected: 04/10/19 15:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/19/19 23:30 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 20:05 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:17 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:43 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 14:53 | MMM | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-NK-039
**Lab Sample ID: 240-110818-4**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/19/19 23:52 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 10:20 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:22 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:45 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 14:55 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-037
**Lab Sample ID: 240-110818-5**
**Date Collected: 04/10/19 14:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 00:14 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 10:44 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:26 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:47 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:00 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-035
**Lab Sample ID: 240-110818-6**
**Date Collected: 04/10/19 13:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 00:37 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 11:08 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:31 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:49 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:02 | MMM | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-NK-033
**Lab Sample ID: 240-110818-7**
**Date Collected: 04/10/19 13:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 00:59 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 11:32 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:45 | KLC | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376853 | 04/16/19 11:19 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:51 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:03 | MMM | TAL CAN |

## Client Sample ID: GW-041019-AB-014
**Lab Sample ID: 240-110818-8**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 01:22 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 11:57 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:50 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:53 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:05 | MMM | TAL CAN |

## Client Sample ID: GW-041019-AB-016
**Lab Sample ID: 240-110818-9**
**Date Collected: 04/10/19 09:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 01:44 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 12:21 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 16:55 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:55 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:07 | MMM | TAL CAN |

## Client Sample ID: TRIP BLANK
**Lab Sample ID: 240-110818-10**
**Date Collected: 04/10/19 00:00**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 02:06 | TJL1 | TAL CAN |

## Client Sample ID: GW-041019-AB-018
**Lab Sample ID: 240-110818-11**
**Date Collected: 04/10/19 09:42**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 02:28 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 12:45 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:00 | KLC | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376853 | 04/16/19 11:33 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 10:57 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:08 | MMM | TAL CAN |

## Client Sample ID: GW-041019-AB-020
**Lab Sample ID: 240-110818-12**
**Date Collected: 04/10/19 10:11**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 02:51 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 13:10 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:05 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:00 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:10 | MMM | TAL CAN |

## Client Sample ID: GW-041019-AB-022
**Lab Sample ID: 240-110818-13**
**Date Collected: 04/10/19 10:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377420 | 04/20/19 03:13 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 13:34 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:10 | KLC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-AB-022
**Lab Sample ID: 240-110818-13**
**Date Collected: 04/10/19 10:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376853 | 04/16/19 11:38 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:06 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:12 | MMM | TAL CAN |

## Client Sample ID: RB-041019-AB-012
**Lab Sample ID: 240-110818-14**
**Date Collected: 04/10/19 18:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 20:40 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 13:58 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:14 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:08 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:14 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-017
**Lab Sample ID: 240-110818-15**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 21:03 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 14:23 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:19 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:10 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:16 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-019
**Lab Sample ID: 240-110818-16**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 21:25 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 14:47 | TMH | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-NK-019
**Lab Sample ID: 240-110818-16**
**Date Collected: 04/10/19 16:35**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:24 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:12 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:21 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-015
**Lab Sample ID: 240-110818-17**
**Date Collected: 04/10/19 16:15**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 21:47 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377069 | 04/18/19 15:11 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:29 | KLC | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376853 | 04/16/19 11:43 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:14 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:23 | MMM | TAL CAN |

## Client Sample ID: GW-041019-NK-047
**Lab Sample ID: 240-110818-18**
**Date Collected: 04/10/19 15:30**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 22:09 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 07:39 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376228 | 04/12/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376523 | 04/15/19 17:43 | KLC | TAL CAN |
| Total/NA | Prep | 7470A | | | 376229 | 04/12/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 11:16 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 376994 | 04/17/19 14:00 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377008 | 04/17/19 15:24 | MMM | TAL CAN |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110818-1
Project/Site: Summit National Superfund Site-GW

## Laboratory: Eurofins TestAmerica, Canton

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

1.6/C1.4 0.8/C0.6 0.6/C0.4
2.0/C1.8 2.4/C2.2
1.4/C1.2 1.2/C1.0

# Chain of Custody Record

320898

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/10/19 | COC No: 320898 |
|---|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER | 1 of 2 COCs |
| Address: 100 W OLD WILSON BRIDGE RD, STE #115 | Analysis Turnaround Time | | | Sampler: NK, AB, CK, AM |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL | ☐ 1 week | | | |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | Job / SDG No.: |
| PO# — | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041019-NK-041 | 4/10/19 | 1430 | G | GW | 7 | N | Y | X | X | X | X | |
| GW-041019-NK-041-MS | 4/10/19 | 1430 | G | GW | 7 | N | N | X | X | X | X | MS FOR 041 |
| GW-041019-NK-041-MSD | 4/10/19 | 1430 | G | GW | 7 | N | N | X | X | X | X | MSD FOR 041 |
| GW-041019-NK-043 | 4/10/19 | 1510 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-045 | 4/10/19 | 1530 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-039 | 4/10/19 | 1400 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-037 | 4/10/19 | 1400 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-035 | 4/10/19 | 1330 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-033 | 4/10/19 | 1300 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AB-014 | 4/10/19 | 0910 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AB-016 | 4/10/19 | 0910 | G | GW | 7 | N | N | X | X | X | X | |
| TRIP BLANK | — | — | — | — | 1 | N | N | X | | | | |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ZN ACETATE | | | | | | | | 1.2 | 1 | 1.4 | 1.5,6 | |

240-110818 Chain of Custody

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KAROW / [signature] | EAGON + ASSOCIATES | 4/10/19 @1715 | [signature] | TAL 240 | 4/10/19 - 1715 |
| R. [signature] | TAL 4/10/19 | 1822 | [signature] | TAL | 04/11/19 800 |
| | | | Received in Laboratory by: | | |

# Chain of Custody Record 320899

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SNF1 | Date: 4/10/19 | COC No: 320899 |
|---|---|---|---|---|
| Company Name: EAGON + ASSOCIATES | Tel/Fax: (614) 885-5760/3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER | 2 of 2 COCs |
| Address: 60 W OLD WILSON BRIDGE RD, STE 115 | Analysis Turnaround Time | | | Sampler: NK, AB, CK, AM |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 885-5760 | TAT if different from Below ____ | | | Walk-in Client: |
| Fax: (614) 885-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL | ☐ 1 week | | | Job / SDG No.: |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | |
| P O # ____ | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL Metals | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041019-AB-018 | 4/10/19 | 0942 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AB-020 | 4/10/19 | 1011 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AB-022 | 4/10/19 | 1030 | G | GW | 7 | N | N | X | X | X | X | |
| RB-040919-AB-012 | 4/9/19 | 1850 | G | W | 7 | N | N | X | X | X | X | |
| GW-040919-NK-017 | 4/9/19 | 1635 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-019 | 4/9/19 | 1635 | G | GW | 7 | N | N | X | X | X | X | |
| GW-040919-NK-015 | 4/9/19 | 1615 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-NK-047 | 4/10/19 | 1530 | G | GW | 7 | N | N | X | X | X | X | |

Preservation Used: 1= Ice, 2= HCl; 3= $H_2SO_4$; 4=$HNO_3$; 5=NaOH; 6= Other FOR ALKALINITY — 1,2 | 1 | 1,4 | 1,5,4

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Nick A Karow | EAGON & ASSOCIATES | 4/10/19 @ 1715 | RC | TAI 248 | 4/10/19 1715 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| R | TAI 4/10/19 | 1822 | | TAL | 04/11/19 800 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # :** 110818
**Canton Facility**

Client Eagon + Associates Site Name _____ Cooler unpacked by: DSD

Cooler Received on 04/11/19 Opened on 04/11/19

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

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

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Each | Yes | No |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes | No NA |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes | No |
| -Were tamper/custody seals intact and uncompromised? | Yes | No NA |
| 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 all preserved sample(s) at the correct pH upon receipt? | Yes | No NA pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | Yes | No |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No NA |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ | Yes | No |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes | No |

**Tests that are not checked for pH by Receiving:**
**VOAs**
**Oil and Grease**
**TOC**

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

Concerning _____

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

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110818

## TestAmerica Canton Sample Receipt Multiple Cooler Form

| Cooler Description (Circle) | IR Gun # (Circle) | Observed Temp °C | Corrected Temp °C | Coolant (Circle) |
|---|---|---|---|---|
| TA Client Box Other | IR-8 #36 | 1.6 | 1.4 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.0 | 1.8 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 1.4 | 1.2 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 0.8 | 0.6 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.4 | 2.2 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 1.2 | 1.0 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 0.6 | 0.4 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |

☐ See Temperature Excursion Form

*WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers*

# Login Container Summary Report



Temperature readings: _____

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| GW-041019-NK-041 | 240-110818-J-1 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-041 | 240-110818-K-1 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-041 | 240-110818-L-1 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-041 | 240-110818-S-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-041 | 240-110818-T-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-041 | 240-110818-U-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-043 | 240-110818-D-2 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-043 | 240-110818-G-2 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-045 | 240-110818-D-3 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-045 | 240-110818-G-3 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-039 | 240-110818-D-4 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-039 | 240-110818-G-4 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-037 | 240-110818-D-5 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-037 | 240-110818-G-5 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-035 | 240-110818-D-6 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-035 | 240-110818-G-6 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-033 | 240-110818-D-7 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-033 | 240-110818-G-7 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-014 | 240-110818-D-8 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-014 | 240-110818-G-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-016 | 240-110818-D-9 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-016 | 240-110818-G-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-018 | 240-110818-D-11 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-018 | 240-110818-G-11 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-020 | 240-110818-D-12 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-020 | 240-110818-G-12 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-022 | 240-110818-D-13 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-022 | 240-110818-G-13 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-012 | 240-110818-D-14 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-AB-012 | 240-110818-G-14 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-017 | 240-110818-D-15 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-017 | 240-110818-G-15 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-019 | 240-110818-D-16 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-019 | 240-110818-G-16 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-015 | 240-110818-D-17 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041019-NK-015 | 240-110818-G-17 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-NK-045 | 240-110818-D-18 | Plastic 250ml - with Sodium Hydrox | >12 | | |

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| GW-041019-NK-045 | 240-110818-G-18 | Plastic 500ml - with Nitric Acid | <2 | _____ | _____ |

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

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

Laboratory Job ID: 240-110867-1
Client Project/Site: Summit National Superfund Site-GW
Revision: 1

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

Attn: Mr. Mike Gibson

Patrick O'Meara

*Authorized for release by:*
*10/23/2019 6:59:07 PM*

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X | Surrogate is outside control limits |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| ^ | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| 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. |

### General Chemistry

| 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110867-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-GW

## Report Number: 240-110867-1

## Revised

Revision 10/23/2019: Added the cis and trans 1,2-DCE isomer results to the report.

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/12/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 1.6º C, 1.8º C, 2.2º C, 2.2º C, 2.4º C, 2.6º C and 2.8º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), TRIP BLANK (240-110867-12), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/22/2019 and 04/23/2019.

The continuing calibration verification (CCV) analyzed in batch 240-377615 was outside the method criteria for the following analytes: Carbon disulfide, Chloromethane, 1,1-Dichloroethene and 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was

## Job ID: 240-110867-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

analyzed with the following associated samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detections for the affected analytes are considered estimated: GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), and TRIP BLANK (240-110867-12).

The continuing calibration verification (CCV) analyzed in batch 240-377771 was outside the method criteria for Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the following associated samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detections for the affected analyte are considered estimated: GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26).

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

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/16/2019 and 04/17/2019 and analyzed on 04/19/2019, 04/22/2019 and 04/23/2019.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for GW-041119-AB-032 (240-110867-17). Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 240-377282 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26).

The continuing calibration verification (CCV) associated with batch 240-377488 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), and GW-041119-AB-040 (240-110867-21).

The continuing calibration verification (CCV) associated with batch 240-377719 recovered above the upper control limit for 2,4-Dinitrophenol, 2-Nitroaniline, and 4-Nitrophenol. The following sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported: GW-041119-AB-060 (240-110867-7).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-376703.

## Job ID: 240-110867-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-376909.

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

**TOTAL RECOVERABLE METALS (ICP)**

Samples GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/15/2019 and analyzed on 04/16/2019, 04/17/2019 and 04/18/2019.

Iron and Manganese were detected in method blank MB 240-376415/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Chromium was detected in method blank MB 240-376426/1-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.

Sodium failed the recovery criteria low for the MSD of sample GW-041019-AB-024 (240-110867-1) in batch 240-376929.

Calcium and Sodium failed the recovery criteria low for the MS and MSD of sample GW-041119-AB-042 (240-110867-22) in batch 240-376844.

Samples GW-041019-AB-024 (240-110867-1)[2X], GW-041119-AB-056 (240-110867-9)[2X], GW-041119-AB-052 (240-110867-13)[2X], GW-041119-NK-057 (240-110867-15)[2X], GW-041119-AB-032 (240-110867-17)[2X], GW-041119-AB-034 (240-110867-18)[2X], GW-041119-AB-036 (240-110867-19)[2X] and GW-041119-AB-038 (240-110867-20)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 240-376844 recovered above the upper control limit for beryllium. The following samples associated with this CCV were below the reporting limit for the affected analytes; therefore, the data have been reported: GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20) and GW-041119-AB-040 (240-110867-21).

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

**TOTAL MERCURY**

Samples GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/15/2019 and 04/16/2019 and analyzed on 04/16/2019 and 04/17/2019.

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

**TOTAL CYANIDE**

## Job ID: 240-110867-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

Samples GW-041019-AB-024 (240-110867-1), RB-041019-NK-030 (240-110867-2), GW-041019-AB-026 (240-110867-3), GW-041019-AB-028 (240-110867-4), GW-041019-AG-055 (240-110867-5), GW-041119-AB-062 (240-110867-6), GW-041119-AB-060 (240-110867-7), GW-041119-AB-058 (240-110867-8), GW-041119-AB-056 (240-110867-9), GW-041119-NK-059 (240-110867-10), GW-041119-NK-061 (240-110867-11), GW-041119-AB-052 (240-110867-13), GW-041119-AB-054 (240-110867-14), GW-041119-NK-057 (240-110867-15), RB-041119-NK-063 (240-110867-16), GW-041119-AB-032 (240-110867-17), GW-041119-AB-034 (240-110867-18), GW-041119-AB-036 (240-110867-19), GW-041119-AB-038 (240-110867-20), GW-041119-AB-040 (240-110867-21), GW-041119-AB-042 (240-110867-22), GW-041119-AB-044 (240-110867-23), GW-041119-AB-046 (240-110867-24), GW-041119-AB-048 (240-110867-25) and RB-041119-AB-050 (240-110867-26) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 04/19/2019, 04/22/2019 and 04/23/2019.

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

# Method Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 6010C | Metals (ICP) | SW846 | TAL CAN |
| 7470A | Mercury (CVAA) | SW846 | TAL CAN |
| 9012B | Cyanide, Total andor Amenable | SW846 | TAL CAN |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | SW846 | TAL CAN |
| 7470A | Preparation, Mercury | SW846 | TAL CAN |
| 9012B | Cyanide, Total and/or Amenable, Distillation | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Water | 04/10/19 16:50 | 04/12/19 08:00 | |
| 240-110867-2 | RB-041019-NK-030 | Water | 04/10/19 19:30 | 04/12/19 08:00 | |
| 240-110867-3 | GW-041019-AB-026 | Water | 04/10/19 17:15 | 04/12/19 08:00 | |
| 240-110867-4 | GW-041019-AB-028 | Water | 04/10/19 17:15 | 04/12/19 08:00 | |
| 240-110867-5 | GW-041019-AG-055 | Water | 04/10/19 18:45 | 04/12/19 08:00 | |
| 240-110867-6 | GW-041119-AB-062 | Water | 04/11/19 14:20 | 04/12/19 08:00 | |
| 240-110867-7 | GW-041119-AB-060 | Water | 04/11/19 13:56 | 04/12/19 08:00 | |
| 240-110867-8 | GW-041119-AB-058 | Water | 04/11/19 13:37 | 04/12/19 08:00 | |
| 240-110867-9 | GW-041119-AB-056 | Water | 04/11/19 13:18 | 04/12/19 08:00 | |
| 240-110867-10 | GW-041119-NK-059 | Water | 04/11/19 13:45 | 04/12/19 08:00 | |
| 240-110867-11 | GW-041119-NK-061 | Water | 04/11/19 14:10 | 04/12/19 08:00 | |
| 240-110867-12 | TRIP BLANK | Water | 04/11/19 00:00 | 04/12/19 08:00 | |
| 240-110867-13 | GW-041119-AB-052 | Water | 04/11/19 11:40 | 04/12/19 08:00 | |
| 240-110867-14 | GW-041119-AB-054 | Water | 04/11/19 12:10 | 04/12/19 08:00 | |
| 240-110867-15 | GW-041119-NK-057 | Water | 04/11/19 13:30 | 04/12/19 08:00 | |
| 240-110867-16 | RB-041119-NK-063 | Water | 04/11/19 15:00 | 04/12/19 08:00 | |
| 240-110867-17 | GW-041119-AB-032 | Water | 04/11/19 08:15 | 04/12/19 08:00 | |
| 240-110867-18 | GW-041119-AB-034 | Water | 04/11/19 08:40 | 04/12/19 08:00 | |
| 240-110867-19 | GW-041119-AB-036 | Water | 04/11/19 08:40 | 04/12/19 08:00 | |
| 240-110867-20 | GW-041119-AB-038 | Water | 04/11/19 09:12 | 04/12/19 08:00 | |
| 240-110867-21 | GW-041119-AB-040 | Water | 04/11/19 09:41 | 04/12/19 08:00 | |
| 240-110867-22 | GW-041119-AB-042 | Water | 04/11/19 09:55 | 04/12/19 08:00 | |
| 240-110867-23 | GW-041119-AB-044 | Water | 04/11/19 10:17 | 04/12/19 08:00 | |
| 240-110867-24 | GW-041119-AB-046 | Water | 04/11/19 10:35 | 04/12/19 08:00 | |
| 240-110867-25 | GW-041119-AB-048 | Water | 04/11/19 10:55 | 04/12/19 08:00 | |
| 240-110867-26 | RB-041119-AB-050 | Water | 04/11/19 11:17 | 04/12/19 08:00 | |

# Detection Summary

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

Job ID: 240-110867-1

## Client Sample ID: GW-041019-AB-024 — Lab Sample ID: 240-110867-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 11 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 120000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.1 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 63 | J B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 53000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 62 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 12000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 640000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: RB-041019-NK-030 — Lab Sample ID: 240-110867-2

No Detections.

## Client Sample ID: GW-041019-AB-026 — Lab Sample ID: 240-110867-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 280 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Arsenic | 13 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 20 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Beryllium | 1.0 | J | 5.0 | 0.60 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 280000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 9.5 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 6.8 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 23000 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 95000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 4400 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 28 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 8800 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 180000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 48 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |
| Cyanide, Total | 0.0069 | J | 0.010 | 0.0060 | mg/L | 1 | | 9012B | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110867-1

## Client Sample ID: GW-041019-AB-028 — Lab Sample ID: 240-110867-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 270 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Arsenic | 11 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 21 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Beryllium | 1.1 | J | 5.0 | 0.60 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 290000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 9.1 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 7.2 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 23000 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 100000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 4700 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 29 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 9300 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 180000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 51 | | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |
| Cyanide, Total | 0.0076 | J | 0.010 | 0.0060 | mg/L | 1 | | 9012B | Total/NA |

## Client Sample ID: GW-041019-AG-055 — Lab Sample ID: 240-110867-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 100 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 2100 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 15 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 100 | J B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 850 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 3.5 | J B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.9 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 2900 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 450000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 40 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110867-1

## Client Sample ID: GW-041119-AB-062 — Lab Sample ID: 240-110867-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 85 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Arsenic | 30 | | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 9.6 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.1 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 8500 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 67000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1600 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.0 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 2800 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 33000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-060 — Lab Sample ID: 240-110867-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 3.0 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 170000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 18 | | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 1.9 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 7800 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 110000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 730 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 15 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 12000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 110000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-058 — Lab Sample ID: 240-110867-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 200 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Arsenic | 38 | | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 13 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 400000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-AB-058 (Continued)

## Lab Sample ID: 240-110867-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chromium | 2.7 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 15 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 3.8 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 61000 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 24000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1300 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 25 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 23000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 66000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 100 | | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-056

## Lab Sample ID: 240-110867-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 130 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 13 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 3900 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1500 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1700 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 13 | J B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3600 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 550000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-NK-059

## Lab Sample ID: 240-110867-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 940 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 110 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 20000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 4.6 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 690 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 2500 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 8.2 | J B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-NK-059 (Continued) — Lab Sample ID: 240-110867-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | 3.2 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 10000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 500000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-NK-061 — Lab Sample ID: 240-110867-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane | 2.2 | | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 250 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 12 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 27 | | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 4.0 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 4.8 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 5500 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 91000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 4700 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 26 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6200 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 69000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: TRIP BLANK — Lab Sample ID: 240-110867-12

No Detections.

## Client Sample ID: GW-041119-AB-052 — Lab Sample ID: 240-110867-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 29 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 22000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 8.5 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 1.0 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 3.7 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 2600 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-AB-052 (Continued)
## Lab Sample ID: 240-110867-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Magnesium | 8500 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 100 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 7.7 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 6700 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 630000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |
| Zinc | 12 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-054
## Lab Sample ID: 240-110867-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 1.1 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 0.69 | J | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| 1,1,1-Trichloroethane | 0.89 | J | 1.0 | 0.24 | ug/L | 1 | | 8260C | Total/NA |
| Barium | 5.4 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.24 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 350000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 3.0 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 0.88 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 7.3 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 5500 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 890 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 11 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 11000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 47000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-NK-057
## Lab Sample ID: 240-110867-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 14 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 6800 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 4.5 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 190 | J B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 2900 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-NK-057 (Continued) — Lab Sample ID: 240-110867-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | 22 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 3.8 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 4200 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 570000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: RB-041119-NK-063 — Lab Sample ID: 240-110867-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Diethyl phthalate | 3.7 | J | 4.5 | 3.4 | ug/L | 1 | | 8270D | Total/NA |

## Client Sample ID: GW-041119-AB-032 — Lab Sample ID: 240-110867-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 41 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 190000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.8 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 15000 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 44000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1400 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.7 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3800 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 590000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-034 — Lab Sample ID: 240-110867-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 21 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 28000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 9.8 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 360 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 12000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 27 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 7.5 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 7200 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 770000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110867-1

## Client Sample ID: GW-041119-AB-036 — Lab Sample ID: 240-110867-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 22 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 28000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 13 | | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 5.1 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 460 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 12000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 27 | B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 8.9 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 7200 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 770000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-038 — Lab Sample ID: 240-110867-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 150 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 15 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 8000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 9.3 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 350 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Lead | 5.5 | J | 10 | 2.8 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 4300 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 8.2 | J B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 6.7 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 5000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 730000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-040 — Lab Sample ID: 240-110867-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 67 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 98 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 2200 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.1 | J | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-AB-040 (Continued) — Lab Sample ID: 240-110867-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Iron | 280 | B | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 820 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 9.3 | J B | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 3.6 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 2600 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 380000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 9.7 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-042 — Lab Sample ID: 240-110867-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 57 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 18 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 310000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.8 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 60 | J | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 81000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 59 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.7 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 17000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 380000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Thallium | 2.7 | J | 20 | 2.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-044 — Lab Sample ID: 240-110867-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | 1.2 | | 0.18 | 0.099 | ug/L | 1 | | 8270D | Total/NA |
| Naphthalene | 0.46 | | 0.18 | 0.097 | ug/L | 1 | | 8270D | Total/NA |
| Aluminum | 150 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 36 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 3800 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 11 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 220 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 1400 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-AB-044 (Continued)

## Lab Sample ID: 240-110867-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | 6.3 | J | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 6.6 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 3500 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 460000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Vanadium | 5.8 | J | 50 | 5.6 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 20 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-046

## Lab Sample ID: 240-110867-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 12 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 270000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.5 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.4 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 920 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 2900 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 5.2 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 15000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 180000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041119-AB-048

## Lab Sample ID: 240-110867-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 8.3 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.32 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 430000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.5 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 55 | | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 3.5 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 1100 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 200000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 5400 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041119-AB-048 (Continued) Lab Sample ID: 240-110867-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | 120 | | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 2400 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 9800 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 44 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: RB-041119-AB-050 Lab Sample ID: 240-110867-26

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-024**
**Lab Sample ID: 240-110867-1**
**Date Collected: 04/10/19 16:50**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 16:07 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:07 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:07 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 16:07 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 16:07 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 16:07 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 16:07 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 16:07 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:07 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 16:07 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:07 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:07 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 16:07 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:07 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 16:07 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 16:07 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 16:07 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 16:07 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:07 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:07 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:07 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 16:07 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 16:07 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:07 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:07 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 16:07 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:07 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 16:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/22/19 16:07* | *1* |
| *Dibromofluoromethane (Surr)* | *84* | | *75 - 128* | | *04/22/19 16:07* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *70 - 121* | | *04/22/19 16:07* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *70 - 123* | | *04/22/19 16:07* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-024**
**Lab Sample ID: 240-110867-1**
**Date Collected: 04/10/19 16:50**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |

## Client Sample ID: GW-041019-AB-024 Lab Sample ID: 240-110867-1

**Date Collected: 04/10/19 16:50** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *71* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |
| *2-Fluorophenol (Surr)* | *73* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *59* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 11:16* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Barium** | **11** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Calcium** | **120000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Chromium** | **1.1** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Iron** | **63** | **J B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Magnesium** | **53000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Manganese** | **62** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Potassium** | **12000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| **Sodium** | **640000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:17 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:47 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:03 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:48 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041019-NK-030**
**Lab Sample ID: 240-110867-2**
**Date Collected: 04/10/19 19:30**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 16:30 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:30 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:30 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 16:30 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 16:30 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 16:30 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 16:30 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 16:30 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:30 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 16:30 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:30 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 16:30 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:30 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 16:30 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 16:30 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 16:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 16:30 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:30 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:30 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 16:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 16:30 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:30 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:30 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 16:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 16:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* | | *04/22/19 16:30* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/22/19 16:30* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *70 - 121* | | *04/22/19 16:30* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/22/19 16:30* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041019-NK-030**
**Lab Sample ID: 240-110867-2**
**Date Collected: 04/10/19 19:30**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |

## Client Sample ID: RB-041019-NK-030 Lab Sample ID: 240-110867-2

**Date Collected: 04/10/19 19:30** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 11:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |
| *2-Fluorophenol (Surr)* | *81* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |
| *Nitrobenzene-d5 (Surr)* | *87* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |
| *Phenol-d5 (Surr)* | *58* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |
| *Terphenyl-d14 (Surr)* | *88* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *65* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 11:40* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:16 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:09 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:49 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-026**
**Lab Sample ID: 240-110867-3**
**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 16:52 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:52 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:52 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 16:52 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 16:52 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 16:52 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 16:52 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 16:52 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:52 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 16:52 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:52 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 16:52 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:52 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 16:52 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 16:52 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 16:52 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 16:52 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 16:52 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 16:52 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 16:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 16:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 16:52 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 16:52 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 16:52 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 16:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 16:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 16:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 16:52* | *1* |
| *Dibromofluoromethane (Surr)* | *84* | | *75 - 128* | | *04/22/19 16:52* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *70 - 121* | | *04/22/19 16:52* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/22/19 16:52* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041019-AB-026**
**Date Collected: 04/10/19 17:15**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-3**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |

## Client Sample ID: GW-041019-AB-026 Lab Sample ID: 240-110867-3

**Date Collected: 04/10/19 17:15** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *73* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |
| *2-Fluorophenol (Surr)* | *61* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |
| *Nitrobenzene-d5 (Surr)* | *79* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |
| *Phenol-d5 (Surr)* | *43* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |
| *Terphenyl-d14 (Surr)* | *76* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *64* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 12:04* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **280** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Arsenic** | **13** | **J** | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Barium** | **20** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Beryllium** | **1.0** | **J** | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Calcium** | **280000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Chromium** | **9.5** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Cobalt** | **6.8** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Iron** | **23000** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Magnesium** | **95000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Manganese** | **4400** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Nickel** | **28** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Potassium** | **8800** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Sodium** | **180000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |
| **Zinc** | **48** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:20 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cyanide, Total** | **0.0069** | **J** | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:51 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AB-028**
**Lab Sample ID: 240-110867-4**
**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 17:14 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:14 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:14 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 17:14 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 17:14 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 17:14 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 17:14 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 17:14 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:14 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 17:14 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:14 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 17:14 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:14 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 17:14 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 17:14 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 17:14 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 17:14 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:14 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:14 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 17:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 17:14 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:14 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:14 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 17:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 17:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* | | *04/22/19 17:14* | *1* |
| *Dibromofluoromethane (Surr)* | *87* | | *75 - 128* | | *04/22/19 17:14* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *70 - 121* | | *04/22/19 17:14* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 123* | | *04/22/19 17:14* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041019-AB-028**
**Date Collected: 04/10/19 17:15**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-4**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |

## Client Sample ID: GW-041019-AB-028 Lab Sample ID: 240-110867-4

**Date Collected: 04/10/19 17:15** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |
| *2-Fluorophenol (Surr)* | *75* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *67* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 12:28* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **270** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Arsenic** | **11** | **J** | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Barium** | **21** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Beryllium** | **1.1** | **J** | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Calcium** | **290000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Chromium** | **9.1** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Cobalt** | **7.2** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Iron** | **23000** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Magnesium** | **100000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Manganese** | **4700** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Nickel** | **29** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Potassium** | **9300** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Sodium** | **180000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |
| **Zinc** | **51** | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:24 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:18 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cyanide, Total** | **0.0076** | **J** | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:53 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AG-055**
**Lab Sample ID: 240-110867-5**
**Date Collected: 04/10/19 18:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 17:37 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:37 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:37 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 17:37 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 17:37 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 17:37 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 17:37 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 17:37 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:37 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 17:37 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:37 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:37 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 17:37 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:37 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 17:37 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 17:37 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 17:37 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 17:37 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:37 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:37 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:37 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 17:37 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 17:37 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:37 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:37 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 17:37 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:37 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 17:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *59 - 120* | | *04/22/19 17:37* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/22/19 17:37* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *70 - 121* | | *04/22/19 17:37* | *1* |
| *Toluene-d8 (Surr)* | *108* | | *70 - 123* | | *04/22/19 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 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041019-AG-055**
**Lab Sample ID: 240-110867-5**
**Date Collected: 04/10/19 18:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |

## Client Sample ID: GW-041019-AG-055 Lab Sample ID: 240-110867-5

**Date Collected: 04/10/19 18:45** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 12:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *77* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |
| *2-Fluorophenol (Surr)* | *75* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |
| *Nitrobenzene-d5 (Surr)* | *83* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |
| *Phenol-d5 (Surr)* | *54* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |
| *Terphenyl-d14 (Surr)* | *96* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 12:53* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Barium** | **100** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Calcium** | **2100** | **J** | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Copper** | **15** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Iron** | **100** | **J B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Magnesium** | **850** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Manganese** | **3.5** | **J B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Nickel** | **4.9** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Potassium** | **2900** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Sodium** | **450000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |
| **Zinc** | **40** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:29 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:20 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:55 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-062**
**Date Collected: 04/11/19 14:20**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-6**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 17:59 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:59 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:59 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 17:59 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 17:59 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 17:59 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 17:59 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 17:59 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:59 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 17:59 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:59 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:59 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 17:59 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:59 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 17:59 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 17:59 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 17:59 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 17:59 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 17:59 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 17:59 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 17:59 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 17:59 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 17:59 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 17:59 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 17:59 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 17:59 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 17:59 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 17:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/22/19 17:59* | *1* |
| *Dibromofluoromethane (Surr)* | *80* | | *75 - 128* | | *04/22/19 17:59* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *77* | | *70 - 121* | | *04/22/19 17:59* | *1* |
| *Toluene-d8 (Surr)* | *88* | | *70 - 123* | | *04/22/19 17:59* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-062**
**Date Collected: 04/11/19 14:20**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-6**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |

## Client Sample ID: GW-041119-AB-062 Lab Sample ID: 240-110867-6

**Date Collected: 04/11/19 14:20** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 13:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |
| *2-Fluorophenol (Surr)* | *79* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |
| *Phenol-d5 (Surr)* | *55* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *69* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 13:17* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **85** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Arsenic** | **30** | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Barium** | **9.6** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Chromium** | **2.1** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Iron** | **8500** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Magnesium** | **67000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Manganese** | **1600** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Nickel** | **4.0** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Potassium** | **2800** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| **Sodium** | **33000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:33 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:22 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:57 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-060**
**Lab Sample ID: 240-110867-7**
**Date Collected: 04/11/19 13:56**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 18:22 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:22 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:22 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 18:22 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 18:22 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 18:22 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 18:22 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 18:22 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:22 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 18:22 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:22 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 18:22 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:22 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 18:22 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 18:22 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 18:22 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 18:22 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:22 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:22 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 18:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 18:22 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:22 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:22 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 18:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 18:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 18:22* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/22/19 18:22* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *70 - 121* | | *04/22/19 18:22* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *70 - 123* | | *04/22/19 18:22* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-060**
**Date Collected: 04/11/19 13:56**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-7**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-060**
**Lab Sample ID: 240-110867-7**
**Date Collected: 04/11/19 13:56**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/23/19 08:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |
| *2-Fluorophenol (Surr)* | *51* | | *17 - 120* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |
| *Phenol-d5 (Surr)* | *36* | | *15 - 120* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *63* | | *33 - 120* | *04/16/19 10:54* | *04/23/19 08:28* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Barium** | **3.0** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Calcium** | **170000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Chromium** | **18** | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Cobalt** | **1.9** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Iron** | **7800** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Magnesium** | **110000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Manganese** | **730** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Nickel** | **15** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Potassium** | **12000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| **Sodium** | **110000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:37 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:24 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 11:02 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-058**
**Lab Sample ID: 240-110867-8**
**Date Collected: 04/11/19 13:37**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 18:44 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:44 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:44 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 18:44 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 18:44 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 18:44 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 18:44 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 18:44 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:44 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 18:44 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:44 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 18:44 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:44 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 18:44 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 18:44 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 18:44 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 18:44 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:44 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:44 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 18:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 18:44 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:44 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:44 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 18:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:44 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 18:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 18:44* | *1* |
| *Dibromofluoromethane (Surr)* | *85* | | *75 - 128* | | *04/22/19 18:44* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *70 - 121* | | *04/22/19 18:44* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/22/19 18:44* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-058**
**Date Collected: 04/11/19 13:37**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-8**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |

## Client Sample ID: GW-041119-AB-058 Lab Sample ID: 240-110867-8

**Date Collected: 04/11/19 13:37** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |
| *2-Fluorophenol (Surr)* | *72* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |
| *Phenol-d5 (Surr)* | *47* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 14:05* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **200** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Arsenic** | **38** | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Barium** | **13** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Calcium** | **400000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Chromium** | **2.7** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Cobalt** | **15** | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Copper** | **3.8** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Iron** | **61000** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Magnesium** | **24000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Manganese** | **1300** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Nickel** | **25** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Potassium** | **23000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Sodium** | **66000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |
| **Zinc** | **100** | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:50 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:26 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:33 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-056**
**Lab Sample ID: 240-110867-9**
**Date Collected: 04/11/19 13:18**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 19:06 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:06 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:06 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 19:06 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 19:06 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 19:06 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 19:06 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 19:06 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:06 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 19:06 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:06 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:06 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 19:06 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:06 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 19:06 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 19:06 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 19:06 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 19:06 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:06 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:06 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:06 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 19:06 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 19:06 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:06 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:06 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 19:06 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:06 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 19:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/22/19 19:06* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/22/19 19:06* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *70 - 121* | | *04/22/19 19:06* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/22/19 19:06* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-056**
**Date Collected: 04/11/19 13:18**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-9**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |

**Client Sample ID: GW-041119-AB-056** **Lab Sample ID: 240-110867-9**
**Date Collected: 04/11/19 13:18** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |
| *2-Fluorophenol (Surr)* | *82* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |
| *Nitrobenzene-d5 (Surr)* | *90* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |
| *Phenol-d5 (Surr)* | *57* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |
| *Terphenyl-d14 (Surr)* | *95* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *69* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 14:29* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **130** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Barium** | **13** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Calcium** | **3900** | **J** | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Iron** | **1500** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Magnesium** | **1700** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Manganese** | **13** | **J B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Potassium** | **3600** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| **Sodium** | **550000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:36 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:54 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:28 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:35 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-059**
**Lab Sample ID: 240-110867-10**
**Date Collected: 04/11/19 13:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 19:28 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:28 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:28 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 19:28 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 19:28 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 19:28 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 19:28 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 19:28 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:28 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 19:28 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:28 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:28 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 19:28 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:28 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 19:28 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 19:28 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 19:28 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 19:28 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:28 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:28 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:28 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 19:28 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 19:28 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:28 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:28 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 19:28 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:28 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 19:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 19:28* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/22/19 19:28* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *80* | | *70 - 121* | | *04/22/19 19:28* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/22/19 19:28* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-059**
**Lab Sample ID: 240-110867-10**
**Date Collected: 04/11/19 13:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |

## Client Sample ID: GW-041119-NK-059 Lab Sample ID: 240-110867-10

**Date Collected: 04/11/19 13:45** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 14:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |
| *2-Fluorophenol (Surr)* | *76* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |
| *Nitrobenzene-d5 (Surr)* | *84* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |
| *Phenol-d5 (Surr)* | *54* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 14:54* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **940** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Barium** | **110** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Calcium** | **20000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Chromium** | **4.6** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Iron** | **690** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Magnesium** | **2500** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Manganese** | **8.2** | **J B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Nickel** | **3.2** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Potassium** | **10000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| **Sodium** | **500000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 18:58 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:30 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:40 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-061**
**Lab Sample ID: 240-110867-11**
**Date Collected: 04/11/19 14:10**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 19:51 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:51 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:51 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 19:51 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 19:51 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 19:51 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 19:51 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 19:51 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:51 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 19:51 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:51 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:51 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 19:51 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 19:51 | 1 |
| **1,2-Dichloroethane** | **2.2** | | 1.0 | 0.21 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:51 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 19:51 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 19:51 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 19:51 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 19:51 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 19:51 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 19:51 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 19:51 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 19:51 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 19:51 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 19:51 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 19:51 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 19:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 19:51 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 19:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/22/19 19:51* | *1* |
| *Dibromofluoromethane (Surr)* | *81* | | *75 - 128* | | *04/22/19 19:51* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *70 - 121* | | *04/22/19 19:51* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *70 - 123* | | *04/22/19 19:51* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-061**
**Lab Sample ID: 240-110867-11**
**Date Collected: 04/11/19 14:10**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |

## Client Sample ID: GW-041119-NK-061 Lab Sample ID: 240-110867-11

**Date Collected: 04/11/19 14:10** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |
| *2-Fluorophenol (Surr)* | *65* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 15:18* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **250** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Barium** | **12** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Chromium** | **27** | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Cobalt** | **4.0** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Copper** | **4.8** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Iron** | **5500** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Magnesium** | **91000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Manganese** | **4700** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Nickel** | **26** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Potassium** | **6200** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| **Sodium** | **69000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:03 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 12:00 | 04/17/19 16:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:42 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: TRIP BLANK**
**Lab Sample ID: 240-110867-12**
**Date Collected: 04/11/19 00:00**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 20:14 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:14 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 20:14 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 20:14 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 20:14 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 20:14 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 20:14 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 20:14 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 20:14 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 20:14 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:14 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 20:14 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 20:14 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 20:14 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 20:14 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 20:14 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 20:14 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 20:14 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 20:14 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 20:14 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 20:14 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 20:14 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 20:14 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 20:14 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 20:14 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 20:14 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 20:14 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 20:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/22/19 20:14* | *1* |
| *Dibromofluoromethane (Surr)* | *81* | | *75 - 128* | | *04/22/19 20:14* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *70 - 121* | | *04/22/19 20:14* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *70 - 123* | | *04/22/19 20:14* | *1* |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-052**
**Lab Sample ID: 240-110867-13**
**Date Collected: 04/11/19 11:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 13:33 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:33 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:33 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 13:33 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 13:33 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 13:33 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 13:33 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 13:33 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:33 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 13:33 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:33 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:33 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 13:33 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:33 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 13:33 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 13:33 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 13:33 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 13:33 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:33 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:33 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:33 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 13:33 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 13:33 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:33 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:33 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 13:33 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:33 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 13:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* | | *04/23/19 13:33* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/23/19 13:33* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *70 - 121* | | *04/23/19 13:33* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *70 - 123* | | *04/23/19 13:33* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-052**
**Date Collected: 04/11/19 11:40**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-13**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |

## Client Sample ID: GW-041119-AB-052 Lab Sample ID: 240-110867-13

**Date Collected: 04/11/19 11:40** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 15:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |
| *2-Fluorophenol (Surr)* | *75* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |
| *Terphenyl-d14 (Surr)* | *76* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *67* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 15:42* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **2000** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Barium** | **29** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Calcium** | **22000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Chromium** | **8.5** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Cobalt** | **1.0** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Copper** | **3.7** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Iron** | **2600** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Magnesium** | **8500** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Manganese** | **100** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Nickel** | **7.7** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Potassium** | **6700** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Sodium** | **630000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:41 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |
| **Zinc** | **12** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:07 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:32 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:43 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-054**
**Lab Sample ID: 240-110867-14**
**Date Collected: 04/11/19 12:10**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 13:55 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:55 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:55 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 13:55 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 13:55 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 13:55 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 13:55 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 13:55 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:55 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 13:55 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:55 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:55 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 13:55 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 13:55 | 1 |
| **1,1-Dichloroethane** | **1.1** | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:55 | 1 |
| **1,2-Dichloroethane** | **0.69** | **J** | 1.0 | 0.21 | ug/L | | | 04/23/19 13:55 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:55 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 13:55 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:55 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 13:55 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 13:55 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 13:55 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 13:55 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:55 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:55 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:55 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:55 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 13:55 | 1 |
| **1,1,1-Trichloroethane** | **0.89** | **J** | 1.0 | 0.24 | ug/L | | | 04/23/19 13:55 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 13:55 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:55 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:55 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 13:55 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:55 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 13:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/23/19 13:55* | *1* |
| *Dibromofluoromethane (Surr)* | *80* | | *75 - 128* | | *04/23/19 13:55* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *77* | | *70 - 121* | | *04/23/19 13:55* | *1* |
| *Toluene-d8 (Surr)* | *88* | | *70 - 123* | | *04/23/19 13:55* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-054**
**Date Collected: 04/11/19 12:10**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-14**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |

## Client Sample ID: GW-041119-AB-054 Lab Sample ID: 240-110867-14

**Date Collected: 04/11/19 12:10** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |
| *2-Fluorophenol (Surr)* | *67* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *75* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |
| *Phenol-d5 (Surr)* | *55* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |
| *Terphenyl-d14 (Surr)* | *84* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 16:06* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Barium** | **5.4** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Cadmium** | **0.24** | **J** | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Calcium** | **350000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Chromium** | **3.0** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Cobalt** | **0.88** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Copper** | **7.3** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Iron** | **5500** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Manganese** | **890** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Nickel** | **11** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Potassium** | **11000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| **Sodium** | **47000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:11 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:34 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 14:45 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-057**
**Lab Sample ID: 240-110867-15**
**Date Collected: 04/11/19 13:30**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 14:18 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:18 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 14:18 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 14:18 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 14:18 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 14:18 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 14:18 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 14:18 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 14:18 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 14:18 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:18 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 14:18 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 14:18 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 14:18 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 14:18 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 14:18 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 14:18 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 14:18 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 14:18 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 14:18 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 14:18 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 14:18 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 14:18 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 14:18 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 14:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 14:18 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 14:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *59 - 120* | | *04/23/19 14:18* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/23/19 14:18* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/23/19 14:18* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *70 - 123* | | *04/23/19 14:18* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-NK-057**
**Lab Sample ID: 240-110867-15**
**Date Collected: 04/11/19 13:30**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |

## Client Sample ID: GW-041119-NK-057 Lab Sample ID: 240-110867-15

**Date Collected: 04/11/19 13:30** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |
| *2-Fluorophenol (Surr)* | *76* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |
| *Phenol-d5 (Surr)* | *50* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *64* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 16:30* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Barium** | **14** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Calcium** | **6800** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Chromium** | **4.5** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Iron** | **190** | **J B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Magnesium** | **2900** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Manganese** | **22** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Nickel** | **3.8** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Potassium** | **4200** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| **Sodium** | **570000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:55 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:16 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:40 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:05 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041119-NK-063**
**Lab Sample ID: 240-110867-16**
**Date Collected: 04/11/19 15:00**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 14:41 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:41 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 14:41 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 14:41 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 14:41 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 14:41 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 14:41 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 14:41 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 14:41 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 14:41 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:41 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 14:41 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 14:41 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 14:41 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 14:41 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 14:41 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 14:41 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 14:41 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 14:41 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 14:41 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 14:41 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 14:41 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 14:41 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 14:41 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 14:41 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 14:41 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 14:41 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 14:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/23/19 14:41* | *1* |
| *Dibromofluoromethane (Surr)* | *80* | | *75 - 128* | | *04/23/19 14:41* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *76* | | *70 - 121* | | *04/23/19 14:41* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *70 - 123* | | *04/23/19 14:41* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: RB-041119-NK-063**
**Date Collected: 04/11/19 15:00**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-16**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| **Diethyl phthalate** | **3.7** | **J** | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |

**Client Sample ID: RB-041119-NK-063** **Lab Sample ID: 240-110867-16**
**Date Collected: 04/11/19 15:00** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 16:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *68* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |
| *2-Fluorophenol (Surr)* | *61* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |
| *Nitrobenzene-d5 (Surr)* | *73* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |
| *Phenol-d5 (Surr)* | *39* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |
| *Terphenyl-d14 (Surr)* | *77* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *55* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 16:55* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:20 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:43 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:07 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-032**
**Lab Sample ID: 240-110867-17**
**Date Collected: 04/11/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 15:03 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:03 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:03 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 15:03 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 15:03 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 15:03 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 15:03 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 15:03 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:03 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 15:03 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:03 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:03 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 15:03 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:03 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 15:03 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 15:03 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 15:03 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 15:03 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:03 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:03 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:03 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 15:03 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 15:03 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:03 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:03 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 15:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 15:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/23/19 15:03* | *1* |
| *Dibromofluoromethane (Surr)* | *82* | | *75 - 128* | | *04/23/19 15:03* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *75* | | *70 - 121* | | *04/23/19 15:03* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *70 - 123* | | *04/23/19 15:03* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-032**
**Lab Sample ID: 240-110867-17**
**Date Collected: 04/11/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |

**Client Sample ID: GW-041119-AB-032** **Lab Sample ID: 240-110867-17**
**Date Collected: 04/11/19 08:15** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:54 | 04/22/19 17:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *38* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |
| *2-Fluorophenol (Surr)* | *31* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |
| *Nitrobenzene-d5 (Surr)* | *37* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |
| *Phenol-d5 (Surr)* | *21* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |
| *Terphenyl-d14 (Surr)* | *40* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *29* | *X* | *33 - 120* | *04/16/19 10:54* | *04/22/19 17:19* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Barium** | **41** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Calcium** | **190000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Chromium** | **1.8** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Iron** | **15000** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Magnesium** | **44000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Manganese** | **1400** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Nickel** | **4.7** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Potassium** | **3800** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| **Sodium** | **590000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:59 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:24 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:45 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:09 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-034**
**Lab Sample ID: 240-110867-18**
**Date Collected: 04/11/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 15:25 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:25 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:25 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 15:25 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 15:25 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 15:25 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 15:25 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 15:25 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:25 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 15:25 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:25 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:25 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 15:25 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:25 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 15:25 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 15:25 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 15:25 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 15:25 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:25 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:25 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:25 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 15:25 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 15:25 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:25 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:25 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 15:25 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:25 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 15:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/23/19 15:25* | *1* |
| *Dibromofluoromethane (Surr)* | *82* | | *75 - 128* | | *04/23/19 15:25* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *76* | | *70 - 121* | | *04/23/19 15:25* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *70 - 123* | | *04/23/19 15:25* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-034**
**Date Collected: 04/11/19 08:40**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-18**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |

**Client Sample ID: GW-041119-AB-034** **Lab Sample ID: 240-110867-18**
**Date Collected: 04/11/19 08:40** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |
| *2-Fluorophenol (Surr)* | *71* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |
| *Phenol-d5 (Surr)* | *50* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 09:40* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Barium** | **21** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Calcium** | **28000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Chromium** | **9.8** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Iron** | **360** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Magnesium** | **12000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Manganese** | **27** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Nickel** | **7.5** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Potassium** | **7200** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| **Sodium** | **770000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/18/19 00:04 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:29 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:47 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:11 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-036**
**Lab Sample ID: 240-110867-19**
**Date Collected: 04/11/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 15:48 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:48 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:48 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 15:48 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 15:48 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 15:48 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 15:48 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 15:48 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:48 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 15:48 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:48 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:48 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 15:48 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:48 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 15:48 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 15:48 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 15:48 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 15:48 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 15:48 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 15:48 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 15:48 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 15:48 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 15:48 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 15:48 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 15:48 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 15:48 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 15:48 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 15:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* | | *04/23/19 15:48* | *1* |
| *Dibromofluoromethane (Surr)* | *83* | | *75 - 128* | | *04/23/19 15:48* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *70 - 121* | | *04/23/19 15:48* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *70 - 123* | | *04/23/19 15:48* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-036**
**Lab Sample ID: 240-110867-19**
**Date Collected: 04/11/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |

## Client Sample ID: GW-041119-AB-036 Lab Sample ID: 240-110867-19

**Date Collected: 04/11/19 08:40** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *72* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |
| *2-Fluorophenol (Surr)* | *63* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |
| *Nitrobenzene-d5 (Surr)* | *77* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |
| *Phenol-d5 (Surr)* | *42* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |
| *Terphenyl-d14 (Surr)* | *77* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 10:04* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Barium** | **22** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Calcium** | **28000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Chromium** | **13** | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Copper** | **5.1** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Iron** | **460** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Magnesium** | **12000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Manganese** | **27** | **B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Nickel** | **8.9** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Potassium** | **7200** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| **Sodium** | **770000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/18/19 00:09 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:41 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:49 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:12 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-038**
**Lab Sample ID: 240-110867-20**
**Date Collected: 04/11/19 09:12**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 16:10 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:10 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:10 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 16:10 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 16:10 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 16:10 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 16:10 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 16:10 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:10 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 16:10 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:10 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:10 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 16:10 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:10 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 16:10 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 16:10 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 16:10 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 16:10 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:10 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:10 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:10 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 16:10 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 16:10 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:10 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:10 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 16:10 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:10 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 16:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/23/19 16:10* | *1* |
| *Dibromofluoromethane (Surr)* | *81* | | *75 - 128* | | *04/23/19 16:10* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *70 - 121* | | *04/23/19 16:10* | *1* |
| *Toluene-d8 (Surr)* | *89* | | *70 - 123* | | *04/23/19 16:10* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: GW-041119-AB-038**
**Date Collected: 04/11/19 09:12**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-20**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |

## Client Sample ID: GW-041119-AB-038 Lab Sample ID: 240-110867-20

**Date Collected: 04/11/19 09:12** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |
| *2-Fluorophenol (Surr)* | *74* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |
| *Terphenyl-d14 (Surr)* | *78* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 10:52* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **150** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Barium** | **15** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Calcium** | **8000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Chromium** | **9.3** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Iron** | **350** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Lead** | **5.5** | **J** | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Magnesium** | **4300** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Manganese** | **8.2** | **J B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Nickel** | **6.7** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Potassium** | **5000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| **Sodium** | **730000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/18/19 00:14 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:46 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:51 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:18 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-040**
**Lab Sample ID: 240-110867-21**
**Date Collected: 04/11/19 09:41**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 16:33 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:33 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:33 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 16:33 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 16:33 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 16:33 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 16:33 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 16:33 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:33 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 16:33 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:33 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:33 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 16:33 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:33 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 16:33 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 16:33 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 16:33 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 16:33 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:33 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:33 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:33 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 16:33 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 16:33 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:33 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:33 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 16:33 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:33 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 16:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/23/19 16:33* | *1* |
| *Dibromofluoromethane (Surr)* | *82* | | *75 - 128* | | *04/23/19 16:33* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *70 - 121* | | *04/23/19 16:33* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *70 - 123* | | *04/23/19 16:33* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-040**
**Lab Sample ID: 240-110867-21**
**Date Collected: 04/11/19 09:41**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |

## Client Sample ID: GW-041119-AB-040 Lab Sample ID: 240-110867-21

**Date Collected: 04/11/19 09:41** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |
| *2-Fluorophenol (Surr)* | *69* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |
| *Nitrobenzene-d5 (Surr)* | *75* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |
| *Phenol-d5 (Surr)* | *43* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |
| *Terphenyl-d14 (Surr)* | *78* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 08:27* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **67** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Barium** | **98** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Beryllium | ND | ^ | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Calcium** | **2200** | **J** | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Chromium** | **1.1** | **J** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Iron** | **280** | **B** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Magnesium** | **820** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Manganese** | **9.3** | **J B** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Nickel** | **3.6** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Potassium** | **2600** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Sodium** | **380000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |
| **Zinc** | **9.7** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 19:50 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 13:53 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:19 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-042**
**Lab Sample ID: 240-110867-22**
**Date Collected: 04/11/19 09:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 16:56 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:56 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:56 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 16:56 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 16:56 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 16:56 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 16:56 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 16:56 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:56 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 16:56 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:56 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:56 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 16:56 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:56 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 16:56 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 16:56 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 16:56 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 16:56 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 16:56 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 16:56 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 16:56 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 16:56 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 16:56 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 16:56 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 16:56 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 16:56 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 16:56 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 16:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* | | *04/23/19 16:56* | *1* |
| *Dibromofluoromethane (Surr)* | *86* | | *75 - 128* | | *04/23/19 16:56* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* | | *04/23/19 16:56* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *70 - 123* | | *04/23/19 16:56* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-042**
**Lab Sample ID: 240-110867-22**
**Date Collected: 04/11/19 09:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |

## Client Sample ID: GW-041119-AB-042 Lab Sample ID: 240-110867-22

**Date Collected: 04/11/19 09:55** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 12:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *86* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |
| *2-Fluorophenol (Surr)* | *75* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |
| *Nitrobenzene-d5 (Surr)* | *94* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |
| *Phenol-d5 (Surr)* | *66* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |
| *Terphenyl-d14 (Surr)* | *90* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *74* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 12:42* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **57** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Barium** | **18** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Calcium** | **310000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Chromium** | **2.8** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Iron** | **60** | **J** | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Magnesium** | **81000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Manganese** | **59** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Nickel** | **4.7** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Potassium** | **17000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Sodium** | **380000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| **Thallium** | **2.7** | **J** | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:47 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:10 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-044**
**Lab Sample ID: 240-110867-23**
**Date Collected: 04/11/19 10:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 17:18 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:18 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 17:18 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 17:18 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 17:18 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 17:18 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 17:18 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 17:18 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 17:18 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 17:18 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:18 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 17:18 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 17:18 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 17:18 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 17:18 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 17:18 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 17:18 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 17:18 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:18 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 17:18 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 17:18 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 17:18 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 17:18 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 17:18 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 17:18 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 17:18 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 17:18 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 17:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *120* | | *59 - 120* | | *04/23/19 17:18* | *1* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 128* | | *04/23/19 17:18* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *70 - 121* | | *04/23/19 17:18* | *1* |
| *Toluene-d8 (Surr)* | *113* | | *70 - 123* | | *04/23/19 17:18* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-044**
**Lab Sample ID: 240-110867-23**
**Date Collected: 04/11/19 10:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| **2-Methylnaphthalene** | **1.2** | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| **Naphthalene** | **0.46** | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |

## Client Sample ID: GW-041119-AB-044 Lab Sample ID: 240-110867-23

**Date Collected: 04/11/19 10:17** **Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *80* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |
| *2-Fluorophenol (Surr)* | *73* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |
| *Phenol-d5 (Surr)* | *58* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *65* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 13:06* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **150** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Barium** | **36** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Calcium** | **3800** | **J** | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Chromium** | **11** | **B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Iron** | **220** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Magnesium** | **1400** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Manganese** | **6.3** | **J** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Nickel** | **6.6** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Potassium** | **3500** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Sodium** | **460000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Vanadium** | **5.8** | **J** | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |
| **Zinc** | **20** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:17 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:16 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:23 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-046**
**Lab Sample ID: 240-110867-24**
**Date Collected: 04/11/19 10:35**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 17:41 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:41 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 17:41 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 17:41 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 17:41 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 17:41 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 17:41 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 17:41 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 17:41 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 17:41 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:41 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 17:41 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 17:41 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 17:41 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 17:41 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 17:41 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 17:41 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 17:41 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 17:41 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 17:41 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 17:41 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 17:41 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 17:41 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 17:41 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 17:41 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 17:41 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 17:41 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 17:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/23/19 17:41* | *1* |
| *Dibromofluoromethane (Surr)* | *81* | | *75 - 128* | | *04/23/19 17:41* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *79* | | *70 - 121* | | *04/23/19 17:41* | *1* |
| *Toluene-d8 (Surr)* | *87* | | *70 - 123* | | *04/23/19 17:41* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-046**
**Lab Sample ID: 240-110867-24**
**Date Collected: 04/11/19 10:35**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |

**Client Sample ID: GW-041119-AB-046**
**Lab Sample ID: 240-110867-24**
**Date Collected: 04/11/19 10:35**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |
| *2-Fluorophenol (Surr)* | *67* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |
| *Nitrobenzene-d5 (Surr)* | *87* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |
| *Phenol-d5 (Surr)* | *50* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |
| *Terphenyl-d14 (Surr)* | *86* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 13:31* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Barium** | **12** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Calcium** | **270000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Chromium** | **2.5** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Cobalt** | **2.4** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Iron** | **920** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Manganese** | **2900** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Nickel** | **5.2** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Potassium** | **15000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| **Sodium** | **180000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:21 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:18 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:24 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-048**
**Lab Sample ID: 240-110867-25**
**Date Collected: 04/11/19 10:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 18:03 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:03 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 18:03 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 18:03 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 18:03 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 18:03 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 18:03 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 18:03 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 18:03 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 18:03 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:03 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 18:03 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 18:03 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 18:03 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 18:03 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 18:03 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 18:03 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 18:03 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:03 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 18:03 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 18:03 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 18:03 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 18:03 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 18:03 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 18:03 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 18:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 18:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 18:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* | | *04/23/19 18:03* | *1* |
| *Dibromofluoromethane (Surr)* | *85* | | *75 - 128* | | *04/23/19 18:03* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *70 - 121* | | *04/23/19 18:03* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *70 - 123* | | *04/23/19 18:03* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-048**
**Lab Sample ID: 240-110867-25**
**Date Collected: 04/11/19 10:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041119-AB-048**
**Lab Sample ID: 240-110867-25**
**Date Collected: 04/11/19 10:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 13:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |
| *2-Fluorophenol (Surr)* | *56* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |
| *Phenol-d5 (Surr)* | *41* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |
| *Terphenyl-d14 (Surr)* | *75* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 13:55* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Barium** | **8.3** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Cadmium** | **0.32** | **J** | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Calcium** | **430000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Chromium** | **1.5** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Cobalt** | **55** | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Copper** | **3.5** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Iron** | **1100** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Magnesium** | **200000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Manganese** | **5400** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Nickel** | **120** | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Potassium** | **2400** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Sodium** | **9800** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |
| **Zinc** | **44** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:26 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:20 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:26 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041119-AB-050**
**Lab Sample ID: 240-110867-26**
**Date Collected: 04/11/19 11:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 18:25 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:25 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 18:25 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 18:25 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 18:25 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 18:25 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 18:25 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 18:25 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 18:25 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 18:25 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:25 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 18:25 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 18:25 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 18:25 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 18:25 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 18:25 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 18:25 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 18:25 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 18:25 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 18:25 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 18:25 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 18:25 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 18:25 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 18:25 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 18:25 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 18:25 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 18:25 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 18:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *59 - 120* | | *04/23/19 18:25* | *1* |
| *Dibromofluoromethane (Surr)* | *88* | | *75 - 128* | | *04/23/19 18:25* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* | | *04/23/19 18:25* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *70 - 123* | | *04/23/19 18:25* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |

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

Job ID: 240-110867-1

**Client Sample ID: RB-041119-AB-050**
**Date Collected: 04/11/19 11:17**
**Date Received: 04/12/19 08:00**

**Lab Sample ID: 240-110867-26**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |

**Client Sample ID: RB-041119-AB-050**
**Lab Sample ID: 240-110867-26**
**Date Collected: 04/11/19 11:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |
| *2-Fluorophenol (Surr)* | *61* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |
| *Nitrobenzene-d5 (Surr)* | *90* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |
| *Terphenyl-d14 (Surr)* | *88* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 14:19* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:30 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:26 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 11:28 | 1 |

# Surrogate Summary

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

Job ID: 240-110867-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB (59-120) | DBFM (75-128) | DCA (70-121) | TOL (70-123) |
| 240-110867-1 | GW-041019-AB-024 | 95 | 84 | 82 | 90 |
| 240-110867-2 | RB-041019-NK-030 | 97 | 83 | 81 | 91 |
| 240-110867-3 | GW-041019-AB-026 | 96 | 84 | 81 | 91 |
| 240-110867-4 | GW-041019-AB-028 | 100 | 87 | 82 | 94 |
| 240-110867-5 | GW-041019-AG-055 | 114 | 99 | 97 | 108 |
| 240-110867-6 | GW-041119-AB-062 | 92 | 80 | 77 | 88 |
| 240-110867-7 | GW-041119-AB-060 | 96 | 83 | 82 | 90 |
| 240-110867-8 | GW-041119-AB-058 | 96 | 85 | 81 | 91 |
| 240-110867-9 | GW-041119-AB-056 | 94 | 83 | 81 | 91 |
| 240-110867-10 | GW-041119-NK-059 | 96 | 83 | 80 | 91 |
| 240-110867-11 | GW-041119-NK-061 | 93 | 81 | 79 | 89 |
| 240-110867-12 | TRIP BLANK | 94 | 81 | 78 | 89 |
| 240-110867-13 | GW-041119-AB-052 | 97 | 83 | 79 | 90 |
| 240-110867-14 | GW-041119-AB-054 | 93 | 80 | 77 | 88 |
| 240-110867-15 | GW-041119-NK-057 | 109 | 95 | 91 | 104 |
| 240-110867-16 | RB-041119-NK-063 | 93 | 80 | 76 | 87 |
| 240-110867-17 | GW-041119-AB-032 | 94 | 82 | 75 | 89 |
| 240-110867-18 | GW-041119-AB-034 | 92 | 82 | 76 | 87 |
| 240-110867-19 | GW-041119-AB-036 | 94 | 83 | 78 | 87 |
| 240-110867-20 | GW-041119-AB-038 | 96 | 81 | 79 | 89 |
| 240-110867-21 | GW-041119-AB-040 | 96 | 82 | 78 | 90 |
| 240-110867-22 | GW-041119-AB-042 | 100 | 86 | 85 | 93 |
| 240-110867-23 | GW-041119-AB-044 | 120 | 104 | 100 | 113 |
| 240-110867-24 | GW-041119-AB-046 | 93 | 81 | 79 | 87 |
| 240-110867-25 | GW-041119-AB-048 | 98 | 85 | 82 | 92 |
| 240-110867-26 | RB-041119-AB-050 | 101 | 88 | 85 | 93 |
| LCS 240-377615/5 | Lab Control Sample | 109 | 92 | 88 | 100 |
| LCS 240-377771/5 | Lab Control Sample | 106 | 91 | 85 | 100 |
| MB 240-377615/8 | Method Blank | 107 | 92 | 89 | 99 |
| MB 240-377771/8 | Method Blank | 103 | 89 | 84 | 95 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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) | | | | | |
|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | FBP (32-120) | 2FP (17-120) | NBZ (35-120) | PHL (15-120) | TPHL (28-128) | TBP (33-120) |
| 240-110867-1 | GW-041019-AB-024 | 71 | 73 | 78 | 51 | 81 | 59 |
| 240-110867-2 | RB-041019-NK-030 | 82 | 81 | 87 | 58 | 88 | 65 |
| 240-110867-3 | GW-041019-AB-026 | 73 | 61 | 79 | 43 | 76 | 64 |
| 240-110867-4 | GW-041019-AB-028 | 81 | 75 | 84 | 52 | 89 | 67 |
| 240-110867-5 | GW-041019-AG-055 | 77 | 75 | 83 | 54 | 96 | 68 |
| 240-110867-6 | GW-041119-AB-062 | 83 | 79 | 84 | 55 | 89 | 69 |
| 240-110867-7 | GW-041119-AB-060 | 78 | 51 | 84 | 36 | 89 | 63 |

# Surrogate Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

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

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

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | FBP | 2FP | NBZ | PHL | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110867-8 | GW-041119-AB-058 | 74 | 72 | 80 | 47 | 81 | 71 |
| 240-110867-9 | GW-041119-AB-056 | 85 | 82 | 90 | 57 | 95 | 69 |
| 240-110867-10 | GW-041119-NK-059 | 79 | 76 | 84 | 54 | 87 | 68 |
| 240-110867-11 | GW-041119-NK-061 | 79 | 65 | 85 | 45 | 87 | 70 |
| 240-110867-13 | GW-041119-AB-052 | 79 | 75 | 82 | 51 | 76 | 67 |
| 240-110867-14 | GW-041119-AB-054 | 75 | 67 | 75 | 55 | 84 | 66 |
| 240-110867-15 | GW-041119-NK-057 | 75 | 76 | 82 | 50 | 89 | 64 |
| 240-110867-16 | RB-041119-NK-063 | 68 | 61 | 73 | 39 | 77 | 55 |
| 240-110867-17 | GW-041119-AB-032 | 38 | 31 | 37 | 21 | 40 | 29 X |
| 240-110867-18 | GW-041119-AB-034 | 74 | 71 | 80 | 50 | 81 | 72 |
| 240-110867-19 | GW-041119-AB-036 | 72 | 63 | 77 | 42 | 77 | 68 |
| 240-110867-20 | GW-041119-AB-038 | 74 | 74 | 82 | 45 | 78 | 66 |
| 240-110867-21 | GW-041119-AB-040 | 70 | 69 | 75 | 43 | 78 | 70 |
| 240-110867-22 | GW-041119-AB-042 | 86 | 75 | 94 | 66 | 90 | 74 |
| 240-110867-23 | GW-041119-AB-044 | 80 | 73 | 85 | 58 | 82 | 65 |
| 240-110867-24 | GW-041119-AB-046 | 78 | 67 | 87 | 50 | 86 | 71 |
| 240-110867-25 | GW-041119-AB-048 | 74 | 56 | 81 | 41 | 75 | 66 |
| 240-110867-26 | RB-041119-AB-050 | 82 | 61 | 90 | 51 | 88 | 70 |
| LCS 240-376703/22-A | Lab Control Sample | 88 | 93 | 98 | 63 | 96 | 85 |
| LCS 240-376909/21-A | Lab Control Sample | 83 | 80 | 94 | 52 | 88 | 76 |
| MB 240-376703/21-A | Method Blank | 78 | 71 | 81 | 48 | 94 | 71 |
| MB 240-376909/20-A | Method Blank | 79 | 58 | 81 | 45 | 85 | 72 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

**Lab Sample ID: MB 240-377615/8**
**Matrix: Water**
**Analysis Batch: 377615**

**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 | 5.4 | ug/L | | | 04/22/19 13:03 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 13:03 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 13:03 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 13:03 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 13:03 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 13:03 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 13:03 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 13:03 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 13:03 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 13:03 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 13:03 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 13:03 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 13:03 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 13:03 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 13:03 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 13:03 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 13:03 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 13:03 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 13:03 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 13:03 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 13:03 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 13:03 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 13:03 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 13:03 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 13:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 13:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 13:03 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *59 - 120* | | *04/22/19 13:03* | *1* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 128* | | *04/22/19 13:03* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/22/19 13:03* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/22/19 13:03* | *1* |

**Lab Sample ID: LCS 240-377615/5**
**Matrix: Water**
**Analysis Batch: 377615**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 34.0 | | ug/L | | 85 | 21 - 162 |

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

**Lab Sample ID: LCS 240-377615/5**
**Matrix: Water**
**Analysis Batch: 377615**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 20.0 | 17.9 | | ug/L | | 90 | 80 - 123 |
| Bromodichloromethane | 20.0 | 17.5 | | ug/L | | 88 | 77 - 125 |
| Bromoform | 20.0 | 20.2 | | ug/L | | 101 | 49 - 141 |
| Bromomethane | 20.0 | 16.0 | | ug/L | | 80 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 37.9 | | ug/L | | 95 | 39 - 163 |
| Carbon disulfide | 20.0 | 16.4 | | ug/L | | 82 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 18.9 | | ug/L | | 94 | 63 - 140 |
| Chlorobenzene | 20.0 | 20.1 | | ug/L | | 100 | 80 - 121 |
| Chloroethane | 20.0 | 16.7 | | ug/L | | 83 | 33 - 173 |
| Chloroform | 20.0 | 17.8 | | ug/L | | 89 | 79 - 127 |
| Chloromethane | 20.0 | 15.2 | | ug/L | | 76 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 18.0 | | ug/L | | 90 | 64 - 132 |
| Dibromochloromethane | 20.0 | 19.4 | | ug/L | | 97 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 17.6 | | ug/L | | 88 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.3 | | ug/L | | 87 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 16.7 | | ug/L | | 84 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 35.0 | | ug/L | | 88 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 17.9 | | ug/L | | 90 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.7 | | ug/L | | 103 | 80 - 120 |
| 2-Hexanone | 40.0 | 36.7 | | ug/L | | 92 | 43 - 148 |
| Methylene Chloride | 20.0 | 15.2 | | ug/L | | 76 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 31.5 | | ug/L | | 79 | 49 - 143 |
| Styrene | 20.0 | 19.8 | | ug/L | | 99 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 22.5 | | ug/L | | 112 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.5 | | ug/L | | 93 | 74 - 130 |
| Toluene | 20.0 | 19.6 | | ug/L | | 98 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 18.0 | | ug/L | | 90 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.5 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 19.8 | | ug/L | | 99 | 78 - 133 |
| Trichloroethene | 20.0 | 17.2 | | ug/L | | 86 | 76 - 125 |
| Vinyl chloride | 20.0 | 16.8 | | ug/L | | 84 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.8 | | ug/L | | 105 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 17.1 | | ug/L | | 85 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 17.9 | | ug/L | | 89 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *109* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

**Lab Sample ID: MB 240-377771/8**
**Matrix: Water**
**Analysis Batch: 377771**

**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 | 5.4 | ug/L | | | 04/23/19 13:01 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:01 | 1 |

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

**Lab Sample ID: MB 240-377771/8**
**Matrix: Water**
**Analysis Batch: 377771**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:01 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 13:01 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 13:01 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 13:01 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 13:01 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 13:01 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:01 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 13:01 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:01 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:01 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 13:01 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:01 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 13:01 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 13:01 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 13:01 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 13:01 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 13:01 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 13:01 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 13:01 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 13:01 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 13:01 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 13:01 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 13:01 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 13:01 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 13:01 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 13:01 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *103* | | *59 - 120* | | *04/23/19 13:01* | *1* |
| *Dibromofluoromethane (Surr)* | *89* | | *75 - 128* | | *04/23/19 13:01* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *84* | | *70 - 121* | | *04/23/19 13:01* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/23/19 13:01* | *1* |

**Lab Sample ID: LCS 240-377771/5**
**Matrix: Water**
**Analysis Batch: 377771**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 22.0 | | ug/L | | 55 | 21 - 162 |
| Benzene | 20.0 | 17.8 | | ug/L | | 89 | 80 - 123 |
| Bromodichloromethane | 20.0 | 17.3 | | ug/L | | 86 | 77 - 125 |

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

**Lab Sample ID: LCS 240-377771/5**
**Matrix: Water**
**Analysis Batch: 377771**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Bromoform | 20.0 | 19.1 | | ug/L | | 96 | 49 - 141 |
| Bromomethane | 20.0 | 15.6 | | ug/L | | 78 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 32.7 | | ug/L | | 82 | 39 - 163 |
| Carbon disulfide | 20.0 | 15.9 | | ug/L | | 79 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 19.0 | | ug/L | | 95 | 63 - 140 |
| Chlorobenzene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 121 |
| Chloroethane | 20.0 | 16.1 | | ug/L | | 81 | 33 - 173 |
| Chloroform | 20.0 | 17.4 | | ug/L | | 87 | 79 - 127 |
| Chloromethane | 20.0 | 14.4 | | ug/L | | 72 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 17.9 | | ug/L | | 90 | 64 - 132 |
| Dibromochloromethane | 20.0 | 19.5 | | ug/L | | 97 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 17.2 | | ug/L | | 86 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.2 | | ug/L | | 86 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 16.4 | | ug/L | | 82 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 34.4 | | ug/L | | 86 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 18.0 | | ug/L | | 90 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.5 | | ug/L | | 102 | 80 - 120 |
| 2-Hexanone | 40.0 | 34.7 | | ug/L | | 87 | 43 - 148 |
| Methylene Chloride | 20.0 | 14.6 | | ug/L | | 73 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 30.5 | | ug/L | | 76 | 49 - 143 |
| Styrene | 20.0 | 19.5 | | ug/L | | 97 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 22.1 | | ug/L | | 111 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.6 | | ug/L | | 93 | 74 - 130 |
| Toluene | 20.0 | 19.7 | | ug/L | | 99 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.8 | | ug/L | | 89 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 19.8 | | ug/L | | 99 | 78 - 133 |
| Trichloroethene | 20.0 | 17.3 | | ug/L | | 87 | 76 - 125 |
| Vinyl chloride | 20.0 | 16.0 | | ug/L | | 80 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.2 | | ug/L | | 103 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 16.7 | | ug/L | | 83 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 17.7 | | ug/L | | 88 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

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

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

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

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Diethyl phthalate | ND | | 5.0 | 3.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

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

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2-Fluorophenol (Surr)* | *71* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Terphenyl-d14 (Surr)* | *94* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 26.4 | | ug/L | | 82 | 59 - 120 |
| Acenaphthylene | 32.0 | 27.0 | | ug/L | | 84 | 59 - 120 |
| Anthracene | 32.0 | 23.4 | | ug/L | | 73 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 26.1 | | ug/L | | 81 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 27.3 | | ug/L | | 85 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 28.9 | | ug/L | | 90 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.0 | | ug/L | | 81 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 26.8 | | ug/L | | 84 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.7 | | ug/L | | 77 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 28.6 | | ug/L | | 89 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 25.8 | | ug/L | | 81 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 27.0 | | ug/L | | 84 | 53 - 120 |
| Carbazole | 32.0 | 24.6 | | ug/L | | 77 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 15.0 | | ug/L | | 47 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 28.5 | | ug/L | | 89 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.6 | | ug/L | | 77 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 27.1 | | ug/L | | 85 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 28.2 | | ug/L | | 88 | 62 - 120 |
| Chrysene | 32.0 | 25.7 | | ug/L | | 80 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 29.0 | | ug/L | | 91 | 62 - 120 |
| Dibenzofuran | 32.0 | 26.0 | | ug/L | | 81 | 59 - 120 |

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

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 22.5 | | ug/L | | 70 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 22.6 | | ug/L | | 71 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 46.1 | | ug/L | | 72 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 30.2 | | ug/L | | 94 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.2 | | ug/L | | 88 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 26.3 | | ug/L | | 82 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.9 | | ug/L | | 78 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 62.0 | | ug/L | | 97 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 48.8 | | ug/L | | 76 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.8 | | ug/L | | 90 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 27.4 | | ug/L | | 86 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 31.2 | | ug/L | | 97 | 58 - 120 |
| Fluoranthene | 32.0 | 25.6 | | ug/L | | 80 | 62 - 120 |
| Fluorene | 32.0 | 25.7 | | ug/L | | 80 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 23.0 | | ug/L | | 72 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 28.8 | | ug/L | | 90 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 24.4 | | ug/L | | 76 | 30 - 120 |
| Hexachloroethane | 32.0 | 23.6 | | ug/L | | 74 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.7 | | ug/L | | 90 | 62 - 120 |
| Isophorone | 32.0 | 26.9 | | ug/L | | 84 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.5 | | ug/L | | 80 | 58 - 120 |
| 2-Methylphenol | 32.0 | 26.4 | | ug/L | | 83 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 25.9 | | ug/L | | 81 | 50 - 120 |
| Naphthalene | 32.0 | 25.2 | | ug/L | | 79 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 31.0 | | ug/L | | 97 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 26.7 | | ug/L | | 83 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 30.5 | | ug/L | | 95 | 54 - 135 |
| Nitrobenzene | 32.0 | 27.5 | | ug/L | | 86 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.2 | | ug/L | | 98 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 32.7 | | ug/L | | 51 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 26.0 | | ug/L | | 81 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 24.2 | | ug/L | | 76 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 28.3 | | ug/L | | 88 | 50 - 120 |
| Pentachlorophenol | 64.0 | 34.1 | | ug/L | | 53 | 30 - 120 |
| Phenanthrene | 32.0 | 23.3 | | ug/L | | 73 | 59 - 120 |
| Phenol | 32.0 | 18.5 | | ug/L | | 58 | 25 - 120 |
| Pyrene | 32.0 | 27.2 | | ug/L | | 85 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 27.1 | | ug/L | | 85 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 28.2 | | ug/L | | 88 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *88* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *93* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *63* | | *15 - 120* |

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

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Terphenyl-d14 (Surr)* | *96* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *33 - 120* |

**Lab Sample ID: MB 240-376909/20-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Diethyl phthalate | ND | | 5.0 | 3.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |

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

**Lab Sample ID: MB 240-376909/20-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *2-Fluorophenol (Surr)* | *58* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |

**Lab Sample ID: LCS 240-376909/21-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 25.5 | | ug/L | | 80 | 59 - 120 |
| Acenaphthylene | 32.0 | 26.1 | | ug/L | | 81 | 59 - 120 |
| Anthracene | 32.0 | 23.0 | | ug/L | | 72 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 26.1 | | ug/L | | 82 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.8 | | ug/L | | 81 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 25.8 | | ug/L | | 81 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 25.1 | | ug/L | | 79 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.6 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 26.6 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 22.7 | | ug/L | | 71 | 52 - 120 |

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

**Lab Sample ID: LCS 240-376909/21-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | 32.0 | 29.7 | | ug/L | | 93 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.5 | | ug/L | | 77 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 27.5 | | ug/L | | 86 | 53 - 120 |
| Carbazole | 32.0 | 24.1 | | ug/L | | 75 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 13.4 | | ug/L | | 42 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 27.4 | | ug/L | | 86 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.0 | | ug/L | | 75 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.0 | | ug/L | | 78 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 26.6 | | ug/L | | 83 | 62 - 120 |
| Chrysene | 32.0 | 25.5 | | ug/L | | 80 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 25.9 | | ug/L | | 81 | 62 - 120 |
| Dibenzofuran | 32.0 | 24.7 | | ug/L | | 77 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 23.1 | | ug/L | | 72 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 41.0 | | ug/L | | 64 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 29.4 | | ug/L | | 92 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.7 | | ug/L | | 90 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.7 | | ug/L | | 87 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.2 | | ug/L | | 76 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 60.7 | | ug/L | | 95 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 50.6 | | ug/L | | 79 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 27.2 | | ug/L | | 85 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 26.9 | | ug/L | | 84 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 31.2 | | ug/L | | 98 | 58 - 120 |
| Fluoranthene | 32.0 | 25.4 | | ug/L | | 79 | 62 - 120 |
| Fluorene | 32.0 | 24.8 | | ug/L | | 77 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 21.7 | | ug/L | | 68 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 29.0 | | ug/L | | 91 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 24.5 | | ug/L | | 77 | 30 - 120 |
| Hexachloroethane | 32.0 | 24.2 | | ug/L | | 76 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 26.0 | | ug/L | | 81 | 62 - 120 |
| Isophorone | 32.0 | 27.2 | | ug/L | | 85 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 2-Methylphenol | 32.0 | 24.3 | | ug/L | | 76 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 22.8 | | ug/L | | 71 | 50 - 120 |
| Naphthalene | 32.0 | 25.3 | | ug/L | | 79 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 30.0 | | ug/L | | 94 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 25.4 | | ug/L | | 79 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 29.8 | | ug/L | | 93 | 54 - 135 |
| Nitrobenzene | 32.0 | 28.2 | | ug/L | | 88 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.8 | | ug/L | | 99 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 30.7 | | ug/L | | 48 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 24.2 | | ug/L | | 75 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 23.5 | | ug/L | | 73 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 25.4 | | ug/L | | 79 | 50 - 120 |
| Pentachlorophenol | 64.0 | 37.0 | | ug/L | | 58 | 30 - 120 |
| Phenanthrene | 32.0 | 22.5 | | ug/L | | 70 | 59 - 120 |

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

**Lab Sample ID: LCS 240-376909/21-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Phenol | 32.0 | 16.0 | | ug/L | | 50 | 25 - 120 |
| Pyrene | 32.0 | 26.2 | | ug/L | | 82 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 27.9 | | ug/L | | 87 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 25.5 | | ug/L | | 80 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 27.1 | | ug/L | | 85 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *80* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *94* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *88* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 240-376415/1-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Iron | 36.3 | J | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Manganese | 9.90 | J | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:38 | 1 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 240-376415/2-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | 2040 | | ug/L | | 102 | 80 - 120 |
| Antimony | 500 | 515 | | ug/L | | 103 | 80 - 120 |
| Arsenic | 2000 | 2030 | | ug/L | | 102 | 80 - 120 |
| Barium | 2000 | 1960 | | ug/L | | 98 | 80 - 120 |
| Beryllium | 50.0 | 53.5 | | ug/L | | 107 | 80 - 120 |
| Cadmium | 50.0 | 50.6 | | ug/L | | 101 | 80 - 120 |
| Calcium | 50000 | 49200 | | ug/L | | 98 | 80 - 120 |
| Chromium | 200 | 193 | | ug/L | | 96 | 80 - 120 |
| Cobalt | 500 | 495 | | ug/L | | 99 | 80 - 120 |
| Copper | 250 | 247 | | ug/L | | 99 | 80 - 120 |
| Iron | 1000 | 1010 | | ug/L | | 101 | 80 - 120 |
| Lead | 500 | 473 | | ug/L | | 95 | 80 - 120 |
| Magnesium | 50000 | 49700 | | ug/L | | 99 | 80 - 120 |
| Manganese | 500 | 517 | | ug/L | | 103 | 80 - 120 |
| Nickel | 500 | 501 | | ug/L | | 100 | 80 - 120 |
| Potassium | 50000 | 49100 | | ug/L | | 98 | 80 - 120 |
| Selenium | 2000 | 2060 | | ug/L | | 103 | 80 - 120 |
| Silver | 50.0 | 51.0 | | ug/L | | 102 | 80 - 120 |
| Sodium | 50000 | 49700 | | ug/L | | 99 | 80 - 120 |
| Thallium | 2000 | 1900 | | ug/L | | 95 | 80 - 120 |
| Vanadium | 500 | 482 | | ug/L | | 96 | 80 - 120 |
| Zinc | 500 | 506 | | ug/L | | 101 | 80 - 120 |

**Lab Sample ID: 240-110867-1 MS**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 2070 | | ug/L | | 103 | 75 - 125 |
| Antimony | ND | | 500 | 513 | | ug/L | | 103 | 75 - 125 |
| Arsenic | ND | | 2000 | 2060 | | ug/L | | 103 | 75 - 125 |
| Barium | 11 | J | 2000 | 1940 | | ug/L | | 97 | 75 - 125 |
| Beryllium | ND | | 50.0 | 52.0 | | ug/L | | 104 | 75 - 125 |
| Cadmium | ND | | 50.0 | 50.0 | | ug/L | | 100 | 75 - 125 |
| Calcium | 120000 | | 50000 | 154000 | | ug/L | | 78 | 75 - 125 |
| Chromium | 1.1 | J | 200 | 193 | | ug/L | | 96 | 75 - 125 |
| Cobalt | ND | | 500 | 507 | | ug/L | | 101 | 75 - 125 |
| Copper | ND | | 250 | 243 | | ug/L | | 97 | 75 - 125 |
| Iron | 63 | J B | 1000 | 1020 | | ug/L | | 96 | 75 - 125 |
| Lead | ND | | 500 | 450 | | ug/L | | 90 | 75 - 125 |
| Magnesium | 53000 | | 50000 | 96600 | | ug/L | | 88 | 75 - 125 |
| Manganese | 62 | B | 500 | 569 | | ug/L | | 101 | 75 - 125 |
| Nickel | ND | | 500 | 512 | | ug/L | | 102 | 75 - 125 |
| Potassium | 12000 | | 50000 | 60100 | | ug/L | | 96 | 75 - 125 |
| Selenium | ND | | 2000 | 2070 | | ug/L | | 103 | 75 - 125 |
| Silver | ND | | 50.0 | 51.1 | | ug/L | | 102 | 75 - 125 |
| Thallium | ND | | 2000 | 1800 | | ug/L | | 90 | 75 - 125 |
| Vanadium | ND | | 500 | 482 | | ug/L | | 96 | 75 - 125 |
| Zinc | ND | | 500 | 529 | | ug/L | | 106 | 75 - 125 |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: 240-110867-1 MS**
**Matrix: Water**
**Analysis Batch: 376929**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 640000 | | 50000 | 688000 | 4 | ug/L | | 106 | 75 - 125 |

**Lab Sample ID: 240-110867-1 MSD**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 2000 | 2100 | | ug/L | | 105 | 75 - 125 | 2 | 20 |
| Antimony | ND | | 500 | 515 | | ug/L | | 103 | 75 - 125 | 0 | 20 |
| Arsenic | ND | | 2000 | 2060 | | ug/L | | 103 | 75 - 125 | 0 | 20 |
| Barium | 11 | J | 2000 | 1950 | | ug/L | | 97 | 75 - 125 | 0 | 20 |
| Beryllium | ND | | 50.0 | 52.2 | | ug/L | | 104 | 75 - 125 | 0 | 20 |
| Cadmium | ND | | 50.0 | 50.3 | | ug/L | | 101 | 75 - 125 | 1 | 20 |
| Calcium | 120000 | | 50000 | 154000 | | ug/L | | 78 | 75 - 125 | 0 | 20 |
| Chromium | 1.1 | J | 200 | 192 | | ug/L | | 95 | 75 - 125 | 1 | 20 |
| Cobalt | ND | | 500 | 510 | | ug/L | | 102 | 75 - 125 | 1 | 20 |
| Copper | ND | | 250 | 244 | | ug/L | | 98 | 75 - 125 | 1 | 20 |
| Iron | 63 | J B | 1000 | 1020 | | ug/L | | 96 | 75 - 125 | 0 | 20 |
| Lead | ND | | 500 | 453 | | ug/L | | 91 | 75 - 125 | 1 | 20 |
| Magnesium | 53000 | | 50000 | 96800 | | ug/L | | 88 | 75 - 125 | 0 | 20 |
| Manganese | 62 | B | 500 | 571 | | ug/L | | 102 | 75 - 125 | 0 | 20 |
| Nickel | ND | | 500 | 514 | | ug/L | | 103 | 75 - 125 | 0 | 20 |
| Potassium | 12000 | | 50000 | 60300 | | ug/L | | 97 | 75 - 125 | 0 | 20 |
| Selenium | ND | | 2000 | 2070 | | ug/L | | 103 | 75 - 125 | 0 | 20 |
| Silver | ND | | 50.0 | 51.1 | | ug/L | | 102 | 75 - 125 | 0 | 20 |
| Thallium | ND | | 2000 | 1810 | | ug/L | | 91 | 75 - 125 | 1 | 20 |
| Vanadium | ND | | 500 | 476 | | ug/L | | 95 | 75 - 125 | 1 | 20 |
| Zinc | ND | | 500 | 532 | | ug/L | | 106 | 75 - 125 | 1 | 20 |

**Lab Sample ID: 240-110867-1 MSD**
**Matrix: Water**
**Analysis Batch: 376929**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total Recoverable**
**Prep Batch: 376415**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 640000 | | 50000 | 672000 | 4 | ug/L | | 74 | 75 - 125 | 2 | 20 |

**Lab Sample ID: MB 240-376426/1-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Chromium | 1.33 | J | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: MB 240-376426/1-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |

**Lab Sample ID: LCS 240-376426/2-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | 2090 | | ug/L | | 105 | 80 - 120 |
| Antimony | 500 | 520 | | ug/L | | 104 | 80 - 120 |
| Arsenic | 2000 | 2020 | | ug/L | | 101 | 80 - 120 |
| Barium | 2000 | 1950 | | ug/L | | 97 | 80 - 120 |
| Beryllium | 50.0 | 54.6 | | ug/L | | 109 | 80 - 120 |
| Cadmium | 50.0 | 50.7 | | ug/L | | 101 | 80 - 120 |
| Calcium | 50000 | 49300 | | ug/L | | 99 | 80 - 120 |
| Chromium | 200 | 189 | | ug/L | | 95 | 80 - 120 |
| Cobalt | 500 | 491 | | ug/L | | 98 | 80 - 120 |
| Copper | 250 | 248 | | ug/L | | 99 | 80 - 120 |
| Iron | 1000 | 979 | | ug/L | | 98 | 80 - 120 |
| Lead | 500 | 473 | | ug/L | | 95 | 80 - 120 |
| Magnesium | 50000 | 50400 | | ug/L | | 101 | 80 - 120 |
| Manganese | 500 | 519 | | ug/L | | 104 | 80 - 120 |
| Nickel | 500 | 497 | | ug/L | | 99 | 80 - 120 |
| Potassium | 50000 | 49500 | | ug/L | | 99 | 80 - 120 |
| Selenium | 2000 | 2050 | | ug/L | | 103 | 80 - 120 |
| Silver | 50.0 | 51.8 | | ug/L | | 104 | 80 - 120 |
| Sodium | 50000 | 50400 | | ug/L | | 101 | 80 - 120 |
| Thallium | 2000 | 1890 | | ug/L | | 94 | 80 - 120 |
| Vanadium | 500 | 472 | | ug/L | | 94 | 80 - 120 |
| Zinc | 500 | 507 | | ug/L | | 101 | 80 - 120 |

**Lab Sample ID: 240-110867-22 MS**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: GW-041119-AB-042**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 57 | J | 2000 | 2190 | | ug/L | | 107 | 75 - 125 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: 240-110867-22 MS**
**Client Sample ID: GW-041119-AB-042**
**Matrix: Water**
**Prep Type: Total Recoverable**
**Analysis Batch: 376844**
**Prep Batch: 376426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 500 | 531 | | ug/L | | 106 | 75 - 125 |
| Arsenic | ND | | 2000 | 2100 | | ug/L | | 105 | 75 - 125 |
| Barium | 18 | J | 2000 | 1990 | | ug/L | | 99 | 75 - 125 |
| Beryllium | ND | | 50.0 | 54.1 | | ug/L | | 108 | 75 - 125 |
| Cadmium | ND | | 50.0 | 50.9 | | ug/L | | 102 | 75 - 125 |
| Calcium | 310000 | | 50000 | 343000 | 4 | ug/L | | 63 | 75 - 125 |
| Chromium | 2.8 | J B | 200 | 191 | | ug/L | | 94 | 75 - 125 |
| Cobalt | ND | | 500 | 504 | | ug/L | | 101 | 75 - 125 |
| Copper | ND | | 250 | 251 | | ug/L | | 100 | 75 - 125 |
| Iron | 60 | J | 1000 | 1020 | | ug/L | | 96 | 75 - 125 |
| Lead | ND | | 500 | 455 | | ug/L | | 91 | 75 - 125 |
| Magnesium | 81000 | | 50000 | 127000 | | ug/L | | 91 | 75 - 125 |
| Manganese | 59 | | 500 | 574 | | ug/L | | 103 | 75 - 125 |
| Nickel | 4.7 | J | 500 | 511 | | ug/L | | 101 | 75 - 125 |
| Potassium | 17000 | | 50000 | 66600 | | ug/L | | 100 | 75 - 125 |
| Selenium | ND | | 2000 | 2100 | | ug/L | | 105 | 75 - 125 |
| Silver | ND | | 50.0 | 52.9 | | ug/L | | 106 | 75 - 125 |
| Sodium | 380000 | | 50000 | 408000 | 4 | ug/L | | 50 | 75 - 125 |
| Thallium | 2.7 | J | 2000 | 1800 | | ug/L | | 90 | 75 - 125 |
| Vanadium | ND | | 500 | 477 | | ug/L | | 95 | 75 - 125 |
| Zinc | ND | | 500 | 517 | | ug/L | | 103 | 75 - 125 |

**Lab Sample ID: 240-110867-22 MSD**
**Client Sample ID: GW-041119-AB-042**
**Matrix: Water**
**Prep Type: Total Recoverable**
**Analysis Batch: 376844**
**Prep Batch: 376426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 57 | J | 2000 | 2150 | | ug/L | | 104 | 75 - 125 | 2 | 20 |
| Antimony | ND | | 500 | 536 | | ug/L | | 107 | 75 - 125 | 1 | 20 |
| Arsenic | ND | | 2000 | 2120 | | ug/L | | 106 | 75 - 125 | 1 | 20 |
| Barium | 18 | J | 2000 | 2000 | | ug/L | | 99 | 75 - 125 | 0 | 20 |
| Beryllium | ND | | 50.0 | 54.2 | | ug/L | | 108 | 75 - 125 | 0 | 20 |
| Cadmium | ND | | 50.0 | 51.3 | | ug/L | | 103 | 75 - 125 | 1 | 20 |
| Calcium | 310000 | | 50000 | 344000 | 4 | ug/L | | 63 | 75 - 125 | 0 | 20 |
| Chromium | 2.8 | J B | 200 | 192 | | ug/L | | 95 | 75 - 125 | 1 | 20 |
| Cobalt | ND | | 500 | 508 | | ug/L | | 102 | 75 - 125 | 1 | 20 |
| Copper | ND | | 250 | 253 | | ug/L | | 101 | 75 - 125 | 1 | 20 |
| Iron | 60 | J | 1000 | 1020 | | ug/L | | 96 | 75 - 125 | 0 | 20 |
| Lead | ND | | 500 | 456 | | ug/L | | 91 | 75 - 125 | 0 | 20 |
| Magnesium | 81000 | | 50000 | 126000 | | ug/L | | 89 | 75 - 125 | 1 | 20 |
| Manganese | 59 | | 500 | 581 | | ug/L | | 104 | 75 - 125 | 1 | 20 |
| Nickel | 4.7 | J | 500 | 514 | | ug/L | | 102 | 75 - 125 | 1 | 20 |
| Potassium | 17000 | | 50000 | 66500 | | ug/L | | 99 | 75 - 125 | 0 | 20 |
| Selenium | ND | | 2000 | 2120 | | ug/L | | 106 | 75 - 125 | 1 | 20 |
| Silver | ND | | 50.0 | 53.8 | | ug/L | | 108 | 75 - 125 | 2 | 20 |
| Sodium | 380000 | | 50000 | 406000 | 4 | ug/L | | 47 | 75 - 125 | 0 | 20 |
| Thallium | 2.7 | J | 2000 | 1820 | | ug/L | | 91 | 75 - 125 | 1 | 20 |
| Vanadium | ND | | 500 | 477 | | ug/L | | 95 | 75 - 125 | 0 | 20 |
| Zinc | ND | | 500 | 520 | | ug/L | | 104 | 75 - 125 | 1 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-376416/1-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376416**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:59 | 1 |

**Lab Sample ID: LCS 240-376416/2-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376416**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.04 | | ug/L | | 81 | 80 - 120 |

**Lab Sample ID: 240-110867-1 MS**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total/NA**
**Prep Batch: 376416**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.937 | | ug/L | | 94 | 80 - 120 |

**Lab Sample ID: 240-110867-1 MSD**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: GW-041019-AB-024**
**Prep Type: Total/NA**
**Prep Batch: 376416**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.911 | | ug/L | | 91 | 80 - 120 | 3 | 20 |

**Lab Sample ID: MB 240-376428/1-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 11:54 | 1 |

**Lab Sample ID: LCS 240-376428/26-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.76 | | ug/L | | 95 | 80 - 120 |

**Lab Sample ID: 240-110867-22 MS**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: GW-041119-AB-042**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 1.01 | | ug/L | | 101 | 80 - 120 |

**Lab Sample ID: 240-110867-22 MSD**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: GW-041119-AB-042**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1.00 | 0.956 | | ug/L | | 96 | 80 - 120 | 5 | 20 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-376689/1-A**
**Matrix: Water**
**Analysis Batch: 376979**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376689**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 12:00 | 04/17/19 15:39 | 1 |

**Lab Sample ID: LCS 240-376689/2-A**
**Matrix: Water**
**Analysis Batch: 376979**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376689**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.27 | | ug/L | | 85 | 80 - 120 |

## Method: 9012B - Cyanide, Total andor Amenable

**Lab Sample ID: MB 240-377323/1-A**
**Matrix: Water**
**Analysis Batch: 377380**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 377323**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/19/19 09:45 | 04/19/19 10:41 | 1 |

**Lab Sample ID: LCS 240-377323/27-A**
**Matrix: Water**
**Analysis Batch: 377380**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377323**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.214 | | mg/L | | 110 | 59 - 129 |

**Lab Sample ID: LCS 240-377323/2-A**
**Matrix: Water**
**Analysis Batch: 377380**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377323**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.206 | | mg/L | | 106 | 59 - 129 |

**Lab Sample ID: MRL 240-377380/10**
**Matrix: Water**
**Analysis Batch: 377380**

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.0100 | 0.0111 | | mg/L | | 111 | 70 - 130 |

**Lab Sample ID: MB 240-377652/1-A**
**Matrix: Water**
**Analysis Batch: 377667**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 377652**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/22/19 13:26 | 04/22/19 13:58 | 1 |

## Method: 9012B - Cyanide, Total andor Amenable (Continued)

**Lab Sample ID: LCS 240-377652/2-A**
**Matrix: Water**
**Analysis Batch: 377667**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377652**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.200 | | mg/L | | 103 | 59 - 129 |

**Lab Sample ID: MB 240-377779/1-A**
**Matrix: Water**
**Analysis Batch: 377825**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 377779**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 10:06 | 04/23/19 10:59 | 1 |

**Lab Sample ID: LCS 240-377779/2-A**
**Matrix: Water**
**Analysis Batch: 377825**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377779**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.202 | | mg/L | | 104 | 59 - 129 |

## GC/MS VOA

### Analysis Batch: 377615

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 8260C | |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 8260C | |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 8260C | |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 8260C | |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 8260C | |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 8260C | |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 8260C | |
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 8260C | |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 8260C | |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 8260C | |
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 8260C | |
| 240-110867-12 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 240-377615/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377615/5 | Lab Control Sample | Total/NA | Water | 8260C | |

### Analysis Batch: 377771

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 8260C | |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 8260C | |
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 8260C | |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 8260C | |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 8260C | |
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 8260C | |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 8260C | |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 8260C | |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 8260C | |
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 8260C | |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 8260C | |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 8260C | |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 8260C | |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 8260C | |
| MB 240-377771/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377771/5 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 3510C | |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 3510C | |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 3510C | |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 3510C | |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 3510C | |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 3510C | |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 3510C | |
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 3510C | |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 3510C | |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 3510C | |
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 3510C | |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 3510C | |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 3510C | |

## GC/MS Semi VOA (Continued)

### Prep Batch: 376703 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 3510C | |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 3510C | |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 3510C | |
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Prep Batch: 376909

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 3510C | |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 3510C | |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 3510C | |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 3510C | |
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 3510C | |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 3510C | |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 3510C | |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 3510C | |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 3510C | |
| MB 240-376909/20-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376909/21-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Analysis Batch: 377282

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 8270D | 376909 |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 8270D | 376909 |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 8270D | 376909 |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 8270D | 376909 |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 8270D | 376909 |
| MB 240-376909/20-A | Method Blank | Total/NA | Water | 8270D | 376909 |
| LCS 240-376909/21-A | Lab Control Sample | Total/NA | Water | 8270D | 376909 |

### Analysis Batch: 377488

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 8270D | 376703 |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 8270D | 376703 |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 8270D | 376703 |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 8270D | 376703 |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 8270D | 376703 |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 8270D | 376703 |
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 8270D | 376703 |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 8270D | 376703 |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 8270D | 376703 |
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 8270D | 376703 |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 8270D | 376703 |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 8270D | 376703 |
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 8270D | 376703 |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 8270D | 376703 |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 8270D | 376703 |
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 8270D | 376909 |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 8270D | 376909 |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 8270D | 376909 |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 8270D | 376909 |

## GC/MS Semi VOA (Continued)

### Analysis Batch: 377488 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 8270D | 376703 |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 8270D | 376703 |

### Analysis Batch: 377719

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 8270D | 376703 |

## Metals

### Prep Batch: 376415

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total Recoverable | Water | 3005A | |
| 240-110867-2 | RB-041019-NK-030 | Total Recoverable | Water | 3005A | |
| 240-110867-3 | GW-041019-AB-026 | Total Recoverable | Water | 3005A | |
| 240-110867-4 | GW-041019-AB-028 | Total Recoverable | Water | 3005A | |
| 240-110867-5 | GW-041019-AG-055 | Total Recoverable | Water | 3005A | |
| 240-110867-6 | GW-041119-AB-062 | Total Recoverable | Water | 3005A | |
| 240-110867-7 | GW-041119-AB-060 | Total Recoverable | Water | 3005A | |
| 240-110867-8 | GW-041119-AB-058 | Total Recoverable | Water | 3005A | |
| 240-110867-9 | GW-041119-AB-056 | Total Recoverable | Water | 3005A | |
| 240-110867-10 | GW-041119-NK-059 | Total Recoverable | Water | 3005A | |
| 240-110867-11 | GW-041119-NK-061 | Total Recoverable | Water | 3005A | |
| 240-110867-13 | GW-041119-AB-052 | Total Recoverable | Water | 3005A | |
| 240-110867-14 | GW-041119-AB-054 | Total Recoverable | Water | 3005A | |
| 240-110867-15 | GW-041119-NK-057 | Total Recoverable | Water | 3005A | |
| 240-110867-16 | RB-041119-NK-063 | Total Recoverable | Water | 3005A | |
| 240-110867-17 | GW-041119-AB-032 | Total Recoverable | Water | 3005A | |
| 240-110867-18 | GW-041119-AB-034 | Total Recoverable | Water | 3005A | |
| 240-110867-19 | GW-041119-AB-036 | Total Recoverable | Water | 3005A | |
| 240-110867-20 | GW-041119-AB-038 | Total Recoverable | Water | 3005A | |
| 240-110867-21 | GW-041119-AB-040 | Total Recoverable | Water | 3005A | |
| MB 240-376415/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 240-376415/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 240-110867-1 MS | GW-041019-AB-024 | Total Recoverable | Water | 3005A | |
| 240-110867-1 MSD | GW-041019-AB-024 | Total Recoverable | Water | 3005A | |

### Prep Batch: 376416

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 7470A | |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 7470A | |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 7470A | |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 7470A | |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 7470A | |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 7470A | |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 7470A | |
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 7470A | |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 7470A | |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 7470A | |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 7470A | |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 7470A | |
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 7470A | |

## Metals (Continued)

### Prep Batch: 376416 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 7470A | |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 7470A | |
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 7470A | |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 7470A | |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 7470A | |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 7470A | |
| MB 240-376416/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376416/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 240-110867-1 MS | GW-041019-AB-024 | Total/NA | Water | 7470A | |
| 240-110867-1 MSD | GW-041019-AB-024 | Total/NA | Water | 7470A | |

### Prep Batch: 376426

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-22 | GW-041119-AB-042 | Total Recoverable | Water | 3005A | |
| 240-110867-23 | GW-041119-AB-044 | Total Recoverable | Water | 3005A | |
| 240-110867-24 | GW-041119-AB-046 | Total Recoverable | Water | 3005A | |
| 240-110867-25 | GW-041119-AB-048 | Total Recoverable | Water | 3005A | |
| 240-110867-26 | RB-041119-AB-050 | Total Recoverable | Water | 3005A | |
| MB 240-376426/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 240-376426/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| 240-110867-22 MS | GW-041119-AB-042 | Total Recoverable | Water | 3005A | |
| 240-110867-22 MSD | GW-041119-AB-042 | Total Recoverable | Water | 3005A | |

### Prep Batch: 376428

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 7470A | |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 7470A | |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 7470A | |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 7470A | |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 7470A | |
| MB 240-376428/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376428/26-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 240-110867-22 MS | GW-041119-AB-042 | Total/NA | Water | 7470A | |
| 240-110867-22 MSD | GW-041119-AB-042 | Total/NA | Water | 7470A | |

### Prep Batch: 376689

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 7470A | |
| MB 240-376689/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376689/2-A | Lab Control Sample | Total/NA | Water | 7470A | |

### Analysis Batch: 376844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-2 | RB-041019-NK-030 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-3 | GW-041019-AB-026 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-4 | GW-041019-AB-028 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-5 | GW-041019-AG-055 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-6 | GW-041119-AB-062 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-7 | GW-041119-AB-060 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-8 | GW-041119-AB-058 | Total Recoverable | Water | 6010C | 376415 |

## Metals (Continued)

### Analysis Batch: 376844 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-9 | GW-041119-AB-056 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-10 | GW-041119-NK-059 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-11 | GW-041119-NK-061 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-13 | GW-041119-AB-052 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-14 | GW-041119-AB-054 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-15 | GW-041119-NK-057 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-16 | RB-041119-NK-063 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-17 | GW-041119-AB-032 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-18 | GW-041119-AB-034 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-19 | GW-041119-AB-036 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-20 | GW-041119-AB-038 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-21 | GW-041119-AB-040 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-22 | GW-041119-AB-042 | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-23 | GW-041119-AB-044 | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-24 | GW-041119-AB-046 | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-25 | GW-041119-AB-048 | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-26 | RB-041119-AB-050 | Total Recoverable | Water | 6010C | 376426 |
| MB 240-376415/1-A | Method Blank | Total Recoverable | Water | 6010C | 376415 |
| MB 240-376426/1-A | Method Blank | Total Recoverable | Water | 6010C | 376426 |
| LCS 240-376415/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 376415 |
| LCS 240-376426/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-1 MS | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-1 MSD | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-22 MS | GW-041119-AB-042 | Total Recoverable | Water | 6010C | 376426 |
| 240-110867-22 MSD | GW-041119-AB-042 | Total Recoverable | Water | 6010C | 376426 |

### Analysis Batch: 376847

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 7470A | 376416 |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 7470A | 376416 |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 7470A | 376416 |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 7470A | 376416 |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 7470A | 376416 |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 7470A | 376416 |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 7470A | 376416 |
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 7470A | 376416 |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 7470A | 376416 |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 7470A | 376416 |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 7470A | 376416 |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 7470A | 376416 |
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 7470A | 376416 |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 7470A | 376416 |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 7470A | 376416 |
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 7470A | 376416 |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 7470A | 376416 |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 7470A | 376416 |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 7470A | 376416 |
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 7470A | 376428 |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 7470A | 376428 |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 7470A | 376428 |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 7470A | 376428 |

## Metals (Continued)

### Analysis Batch: 376847 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 7470A | 376428 |
| MB 240-376416/1-A | Method Blank | Total/NA | Water | 7470A | 376416 |
| MB 240-376428/1-A | Method Blank | Total/NA | Water | 7470A | 376428 |
| LCS 240-376416/2-A | Lab Control Sample | Total/NA | Water | 7470A | 376416 |
| LCS 240-376428/26-A | Lab Control Sample | Total/NA | Water | 7470A | 376428 |
| 240-110867-1 MS | GW-041019-AB-024 | Total/NA | Water | 7470A | 376416 |
| 240-110867-1 MSD | GW-041019-AB-024 | Total/NA | Water | 7470A | 376416 |
| 240-110867-22 MS | GW-041119-AB-042 | Total/NA | Water | 7470A | 376428 |
| 240-110867-22 MSD | GW-041119-AB-042 | Total/NA | Water | 7470A | 376428 |

### Analysis Batch: 376929

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-9 | GW-041119-AB-056 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-13 | GW-041119-AB-052 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-15 | GW-041119-NK-057 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-17 | GW-041119-AB-032 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-18 | GW-041119-AB-034 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-19 | GW-041119-AB-036 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-20 | GW-041119-AB-038 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-1 MS | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |
| 240-110867-1 MSD | GW-041019-AB-024 | Total Recoverable | Water | 6010C | 376415 |

### Analysis Batch: 376979

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 7470A | 376689 |
| MB 240-376689/1-A | Method Blank | Total/NA | Water | 7470A | 376689 |
| LCS 240-376689/2-A | Lab Control Sample | Total/NA | Water | 7470A | 376689 |

## General Chemistry

### Prep Batch: 377323

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 9012B | |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 9012B | |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 9012B | |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 9012B | |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 9012B | |
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 9012B | |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 9012B | |
| MB 240-377323/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-377323/27-A | Lab Control Sample | Total/NA | Water | 9012B | |
| LCS 240-377323/2-A | Lab Control Sample | Total/NA | Water | 9012B | |

### Analysis Batch: 377380

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-1 | GW-041019-AB-024 | Total/NA | Water | 9012B | 377323 |
| 240-110867-2 | RB-041019-NK-030 | Total/NA | Water | 9012B | 377323 |
| 240-110867-3 | GW-041019-AB-026 | Total/NA | Water | 9012B | 377323 |
| 240-110867-4 | GW-041019-AB-028 | Total/NA | Water | 9012B | 377323 |
| 240-110867-5 | GW-041019-AG-055 | Total/NA | Water | 9012B | 377323 |

## General Chemistry (Continued)

### Analysis Batch: 377380 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-6 | GW-041119-AB-062 | Total/NA | Water | 9012B | 377323 |
| 240-110867-7 | GW-041119-AB-060 | Total/NA | Water | 9012B | 377323 |
| MB 240-377323/1-A | Method Blank | Total/NA | Water | 9012B | 377323 |
| LCS 240-377323/27-A | Lab Control Sample | Total/NA | Water | 9012B | 377323 |
| LCS 240-377323/2-A | Lab Control Sample | Total/NA | Water | 9012B | 377323 |
| MRL 240-377380/10 | Lab Control Sample | Total/NA | Water | 9012B | |

### Prep Batch: 377652

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 9012B | |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 9012B | |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 9012B | |
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 9012B | |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 9012B | |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 9012B | |
| MB 240-377652/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-377652/2-A | Lab Control Sample | Total/NA | Water | 9012B | |

### Analysis Batch: 377667

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-8 | GW-041119-AB-058 | Total/NA | Water | 9012B | 377652 |
| 240-110867-9 | GW-041119-AB-056 | Total/NA | Water | 9012B | 377652 |
| 240-110867-10 | GW-041119-NK-059 | Total/NA | Water | 9012B | 377652 |
| 240-110867-11 | GW-041119-NK-061 | Total/NA | Water | 9012B | 377652 |
| 240-110867-13 | GW-041119-AB-052 | Total/NA | Water | 9012B | 377652 |
| 240-110867-14 | GW-041119-AB-054 | Total/NA | Water | 9012B | 377652 |
| MB 240-377652/1-A | Method Blank | Total/NA | Water | 9012B | 377652 |
| LCS 240-377652/2-A | Lab Control Sample | Total/NA | Water | 9012B | 377652 |

### Prep Batch: 377779

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 9012B | |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 9012B | |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 9012B | |
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 9012B | |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 9012B | |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 9012B | |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 9012B | |
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 9012B | |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 9012B | |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 9012B | |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 9012B | |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 9012B | |
| MB 240-377779/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-377779/2-A | Lab Control Sample | Total/NA | Water | 9012B | |

### Analysis Batch: 377825

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-15 | GW-041119-NK-057 | Total/NA | Water | 9012B | 377779 |
| 240-110867-16 | RB-041119-NK-063 | Total/NA | Water | 9012B | 377779 |
| 240-110867-17 | GW-041119-AB-032 | Total/NA | Water | 9012B | 377779 |

## General Chemistry (Continued)

### Analysis Batch: 377825 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110867-18 | GW-041119-AB-034 | Total/NA | Water | 9012B | 377779 |
| 240-110867-19 | GW-041119-AB-036 | Total/NA | Water | 9012B | 377779 |
| 240-110867-20 | GW-041119-AB-038 | Total/NA | Water | 9012B | 377779 |
| 240-110867-21 | GW-041119-AB-040 | Total/NA | Water | 9012B | 377779 |
| 240-110867-22 | GW-041119-AB-042 | Total/NA | Water | 9012B | 377779 |
| 240-110867-23 | GW-041119-AB-044 | Total/NA | Water | 9012B | 377779 |
| 240-110867-24 | GW-041119-AB-046 | Total/NA | Water | 9012B | 377779 |
| 240-110867-25 | GW-041119-AB-048 | Total/NA | Water | 9012B | 377779 |
| 240-110867-26 | RB-041119-AB-050 | Total/NA | Water | 9012B | 377779 |
| MB 240-377779/1-A | Method Blank | Total/NA | Water | 9012B | 377779 |
| LCS 240-377779/2-A | Lab Control Sample | Total/NA | Water | 9012B | 377779 |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041019-AB-024
**Lab Sample ID: 240-110867-1**
**Date Collected: 04/10/19 16:50**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 16:07 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 11:16 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:17 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 17:47 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:03 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:48 | MAC | TAL CAN |

## Client Sample ID: RB-041019-NK-030
**Lab Sample ID: 240-110867-2**
**Date Collected: 04/10/19 19:30**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 16:30 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 11:40 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:16 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:09 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:49 | MAC | TAL CAN |

## Client Sample ID: GW-041019-AB-026
**Lab Sample ID: 240-110867-3**
**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 16:52 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 12:04 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:20 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:16 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:51 | MAC | TAL CAN |

# Lab Chronicle

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

Job ID: 240-110867-1

## Client Sample ID: GW-041019-AB-028

**Lab Sample ID: 240-110867-4**

**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 17:14 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 12:28 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:24 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:18 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:53 | MAC | TAL CAN |

## Client Sample ID: GW-041019-AG-055

**Lab Sample ID: 240-110867-5**

**Date Collected: 04/10/19 18:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 17:37 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 12:53 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:29 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:20 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:55 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-062

**Lab Sample ID: 240-110867-6**

**Date Collected: 04/11/19 14:20**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 17:59 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 13:17 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:33 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:22 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 10:57 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041119-AB-060
**Lab Sample ID: 240-110867-7**
**Date Collected: 04/11/19 13:56**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 18:22 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377719 | 04/23/19 08:28 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:37 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:24 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377323 | 04/19/19 09:45 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377380 | 04/19/19 11:02 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-058
**Lab Sample ID: 240-110867-8**
**Date Collected: 04/11/19 13:37**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 18:44 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 14:05 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:50 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:26 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:33 | MMM | TAL CAN |

## Client Sample ID: GW-041119-AB-056
**Lab Sample ID: 240-110867-9**
**Date Collected: 04/11/19 13:18**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 19:06 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 14:29 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:36 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:54 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:28 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:35 | MMM | TAL CAN |

## Client Sample ID: GW-041119-NK-059

**Lab Sample ID: 240-110867-10**

**Date Collected: 04/11/19 13:45**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 19:28 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 14:54 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 18:58 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:30 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:40 | MMM | TAL CAN |

## Client Sample ID: GW-041119-NK-061

**Lab Sample ID: 240-110867-11**

**Date Collected: 04/11/19 14:10**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 19:51 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 15:18 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:03 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376689 | 04/16/19 12:00 | SLD | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376979 | 04/17/19 16:16 | AJC | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:42 | MMM | TAL CAN |

## Client Sample ID: TRIP BLANK

**Lab Sample ID: 240-110867-12**

**Date Collected: 04/11/19 00:00**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 20:14 | HMB | TAL CAN |

## Client Sample ID: GW-041119-AB-052

**Lab Sample ID: 240-110867-13**

**Date Collected: 04/11/19 11:40**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 13:33 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 15:42 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:41 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:07 | WKD | TAL CAN |

## Client Sample ID: GW-041119-AB-052

**Lab Sample ID: 240-110867-13**

**Date Collected: 04/11/19 11:40**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:32 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:43 | MMM | TAL CAN |

## Client Sample ID: GW-041119-AB-054

**Lab Sample ID: 240-110867-14**

**Date Collected: 04/11/19 12:10**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 13:55 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 16:06 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:11 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:34 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377652 | 04/22/19 13:26 | MMM | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377667 | 04/22/19 14:45 | MMM | TAL CAN |

## Client Sample ID: GW-041119-NK-057

**Lab Sample ID: 240-110867-15**

**Date Collected: 04/11/19 13:30**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 14:18 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 16:30 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:55 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:16 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:40 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:05 | MAC | TAL CAN |

## Client Sample ID: RB-041119-NK-063

**Lab Sample ID: 240-110867-16**

**Date Collected: 04/11/19 15:00**

**Matrix: Water**

**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 14:41 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 16:55 | TMH | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: RB-041119-NK-063
**Lab Sample ID: 240-110867-16**
**Date Collected: 04/11/19 15:00**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:20 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:43 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:07 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-032
**Lab Sample ID: 240-110867-17**
**Date Collected: 04/11/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 15:03 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 17:19 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:59 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:24 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:45 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:09 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-034
**Lab Sample ID: 240-110867-18**
**Date Collected: 04/11/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 15:25 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 09:40 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/18/19 00:04 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:29 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:47 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:11 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041119-AB-036
**Lab Sample ID: 240-110867-19**
**Date Collected: 04/11/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 15:48 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 10:04 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/18/19 00:09 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:41 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:49 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:12 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-038
**Lab Sample ID: 240-110867-20**
**Date Collected: 04/11/19 09:12**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 16:10 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 10:52 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/18/19 00:14 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:46 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:51 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:18 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-040
**Lab Sample ID: 240-110867-21**
**Date Collected: 04/11/19 09:41**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 16:33 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 08:27 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376415 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 19:50 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376416 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 13:53 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:19 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041119-AB-042
**Lab Sample ID: 240-110867-22**
**Date Collected: 04/11/19 09:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 16:56 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 12:42 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 15:47 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:10 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:21 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-044
**Lab Sample ID: 240-110867-23**
**Date Collected: 04/11/19 10:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 17:18 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 13:06 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:17 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:16 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:23 | MAC | TAL CAN |

## Client Sample ID: GW-041119-AB-046
**Lab Sample ID: 240-110867-24**
**Date Collected: 04/11/19 10:35**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 17:41 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 13:31 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:21 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:18 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:24 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041119-AB-048
**Lab Sample ID: 240-110867-25**
**Date Collected: 04/11/19 10:55**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 18:03 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 13:55 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:26 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:20 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:26 | MAC | TAL CAN |

## Client Sample ID: RB-041119-AB-050
**Lab Sample ID: 240-110867-26**
**Date Collected: 04/11/19 11:17**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377771 | 04/23/19 18:25 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 14:19 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:30 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:26 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377779 | 04/23/19 10:06 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377825 | 04/23/19 11:28 | MAC | TAL CAN |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110867-1
Project/Site: Summit National Superfund Site-GW

## Laboratory: Eurofins TestAmerica, Canton

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

# Chain of Custody Record 320893

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SAFT | Date: 4/11/19 | COC No: 320893 |
|---|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Tel/Fax: (614) 888-5760/3 | Lab Contact: PAT | Carrier: LAB COURIER | 2 of 4 COCs |
| Address: 100 W OLD WILSON BRIDGE RD, STE 115 | Analysis Turnaround Time | | | Sampler: NK, AB, CK, AM |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below ____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL | ☐ 1 week | | | |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | Job / SDG No.: |
| PO # ____ | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | TAL VOCs | TAL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041019-AB-024 | 4/10/19 | 1650 | G | GW | 7 | N | N | X | X | X | X | |
| RB-041019-NK-030 | 4/10/19 | 1930 | G | W | 7 | N | N | X | X | X | X | |
| GW-041019-AB-026 | 4/10/19 | 1715 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AB-028 | 4/10/19 | 1715 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041019-AG-055 | 4/10/19 | 1845 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-062 | 4/11/19 | 1420 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-060 | 4/11/19 | 1356 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-058 | 4/11/19 | 1337 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-056 | 4/11/19 | 1318 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-NK-059 | 4/11/19 | 1345 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-NK-061 | 4/11/19 | 1410 | G | GW | 7 | N | N | X | X | X | X | |
| TRIP BLANK | — | — | — | W | 2 | N | N | X | | | | |

240-110867 Chain of Custody

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

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KARON | EAGON + ASSOC. | 4/11/19 @ 1730 | | TAI 240 | 4/11/19 1730 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | TAI 4/11/19 | 1820 | | TAL | 04/12/19 800 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

# Chain of Custody Record

320887

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | | | |
|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/11/19 |
| Address: 100 WOLD WILSON BRIDGE RD, STE 115 | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER |
| City/State/Zip: WORTHINGTON, OH 43085 | | | |
| Phone: (614) 888-5760 | | | |
| Fax: (614) 888-5763 | | | |
| Project Name: SUMMIT NATIONAL | | | |
| Site: SUMMIT NATIONAL | | | |
| P O # | | | |

COC No: 320887
3 of 4 COCs
Sampler: NK, AB, CK, AM
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Analysis Turnaround Time
☐ CALENDAR DAYS ☑ WORKING DAYS
TAT if different from Below _____
☑ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041119-AB-052 | 4/11/19 | 1140 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-054 | 4/11/19 | 1210 | G | GW | 7 | N | N | X | X | X | X | |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ZN ACETATE | | | | | | | | 1,2 | 1 | 1,4 | 1,5,6 | |

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Special Instructions/QC Requirements & Comments:

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KAROW / [signature] | EAGON + ASSOC. | 4/11/19 @ 1730 | R C [signature] | TAL 240 | 4/11/19-1730 |
| R [signature] | TAL 4/11/19 | 1820 | [signature] | TAL | 04/12/19 800 |
| | | | Received in Laboratory by: | | |

# Chain of Custody Record

320894

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | | | |
|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/11/19 |
| Address: 100 W OLD WILSON BRIDGE RD, STE 115 | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK O'HEARA | Carrier: LAB COURIER |
| City/State/Zip: WORTHINGTON, OH 43085 | Analysis Turnaround Time: ☐ CALENDAR DAYS ☑ WORKING DAYS | | |
| Phone: (614) 888-5760 | TAT if different from Below ____ | | |
| Fax: (614) 888-5763 | ☑ 2 weeks | | |
| Project Name: SUMMIT NATIONAL | ☐ 1 week | | |
| Site: SUMMIT NATIONAL | ☐ 2 days | | |
| P O # | ☐ 1 day | | |

COC No: 320894
4 of 4 COCs
Sampler: NK, AB, AM, CK
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041119-NK-057 | 4/11/19 | 1330 | G | GW | 7 | N | N | X | X | X | X | |
| RB-041119-NK-063 | 4/11/19 | 1500 | G | W | 7 | N | N | X | X | X | X | |
| GW-041119-AB-032 | 4/11/19 | 0815 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-034 | 4/11/19 | 0840 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-036 | 4/11/19 | 0840 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-038 | 4/11/19 | 0912 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-040 | 4/11/19 | 0941 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-042 | 4/11/19 | 0955 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-044 | 4/11/19 | 1017 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-046 | 4/11/19 | 1035 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041119-AB-048 | 4/11/19 | 1055 | G | GW | 7 | N | N | X | X | X | X | |
| RB-041119-AB-050 | 4/11/19 | 1117 | G | W | 7 | N | N | X | X | X | X | |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ZN ALETATE | | | | | | | | 1,2 | 1 | 1,4 | 1,5,6 | |

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Neil A Baron / [signature] | Eagon + Assoc. | 4/11/19 @ 1730 | [signature] | TAI 240 | 4/11/19 - 1730 |
| R [signature] | TAI 4/11/19 | 1820 | [signature] | TAI | 04/12/19 800 |
| | | | Received in Laboratory by: | | |

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # : 110867**
**Canton Facility**

Client Eagan + Associates Site Name

Cooler unpacked by: DSD

Cooler Received on 04/12/19 Opened on 04/12/19

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

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

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____ | Yes | No |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes No | NA |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes | No |
| -Were tamper/custody seals intact and uncompromised? | Yes No | NA |
| 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 all preserved sample(s) at the correct pH upon receipt? | Yes No | NA |
| 13. Were VOAs on the COC? | Yes | No |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No NA |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ | Yes | No |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes | No |

pH Strip Lot# **HC861525**

**Tests that are not checked for pH by Receiving:**

**VOAs**
**Oil and Grease**
**TOC**

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

Concerning _____

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**

Samples processed by: DSD

Received 4x HCL voa Extra Trip Blanks. will log last.

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110867

# TestAmerica Canton Sample Receipt Multiple Cooler Form

| Cooler Description (Circle) | IR Gun # (Circle) | Observed Temp °C | Corrected Temp °C | Coolant (Circle) |
|---|---|---|---|---|
| TA Client Box Other | IR-8 #36 | 2.4 | 2.2 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.0 | 1.8 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.6 | 2.4 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 3.0 | 2.8 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 1.8 | 1.6 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.8 | 2.6 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 2.4 | 2.2 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |

☐ See Temperature Excursion Form

*WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers*

# Login Container Summary Report



Temperature readings: _____

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| GW-041019-AB-024 | 240-110867-D-1 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041019-AB-024 | 240-110867-G-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| RB-041019-NK-030 | 240-110867-D-2 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| RB-041019-NK-030 | 240-110867-G-2 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-026 | 240-110867-D-3 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041019-AB-026 | 240-110867-G-3 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AB-028 | 240-110867-D-4 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041019-AB-028 | 240-110867-G-4 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041019-AG-055 | 240-110867-D-5 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041019-AG-055 | 240-110867-G-5 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-062 | 240-110867-D-6 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-062 | 240-110867-G-6 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-060 | 240-110867-D-7 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-060 | 240-110867-G-7 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-058 | 240-110867-D-8 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-058 | 240-110867-G-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-056 | 240-110867-D-9 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-056 | 240-110867-G-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-NK-059 | 240-110867-D-10 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-NK-059 | 240-110867-G-10 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-NK-061 | 240-110867-D-11 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-NK-061 | 240-110867-G-11 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-052 | 240-110867-D-13 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-052 | 240-110867-G-13 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-054 | 240-110867-D-14 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-054 | 240-110867-G-14 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-NK-057 | 240-110867-D-15 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-NK-057 | 240-110867-G-15 | Plastic 500ml - with Nitric Acid | <2 | | |
| RB-041119-NK-063 | 240-110867-D-16 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| RB-041119-NK-063 | 240-110867-G-16 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-032 | 240-110867-D-17 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-032 | 240-110867-G-17 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-034 | 240-110867-D-18 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-034 | 240-110867-G-18 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-036 | 240-110867-D-19 | Plastic 250ml - with Sodium Hydro› | >12 | | |
| GW-041119-AB-036 | 240-110867-G-19 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-038 | 240-110867-D-20 | Plastic 250ml - with Sodium Hydro› | >12 | | |

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| GW-041119-AB-038 | 240-110867-G-20 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-040 | 240-110867-D-21 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041119-AB-040 | 240-110867-G-21 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-042 | 240-110867-D-22 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041119-AB-042 | 240-110867-G-22 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-044 | 240-110867-D-23 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041119-AB-044 | 240-110867-G-23 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-046 | 240-110867-D-24 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041119-AB-046 | 240-110867-G-24 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041119-AB-048 | 240-110867-D-25 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041119-AB-048 | 240-110867-G-25 | Plastic 500ml - with Nitric Acid | <2 | | |
| RB-041119-AB-050 | 240-110867-D-26 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| RB-041119-AB-050 | 240-110867-G-26 | Plastic 500ml - with Nitric Acid | <2 | | |

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

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

Laboratory Job ID: 240-110890-1
Client Project/Site: Summit National Superfund Site-GW
Revision: 1

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

Attn: Mr. Mike Gibson

Patrick O'Meara

*Authorized for release by:*
*10/24/2019 10:17:19 AM*

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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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

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

### Metals

| 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. |

### General Chemistry

| 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110890-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-GW

## Report Number: 240-110890-1

## Revised

Revision 10/24/2019: Added the cis and trans 1,2-DCE isomer results to the report. Corrected the Total DCE result for sample GW-041219-NK-072 (240-110890-9).

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 04/12/2019 @ 1:45 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9), RB-041219-NK-073 (240-110890-10) and TRIP BLANK (240-110890-11) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/22/2019, 04/23/2019 and 04/25/2019.

The continuing calibration verification (CCV) associated with batch 240-377675 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9), and RB-041219-NK-073 (240-110890-10).

## Job ID: 240-110890-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

The continuing calibration verification (CCV) associated with batch 240-378327 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported: GW-041219-NK-066 (240-110890-3).
.
Samples GW-041219-NK-066 (240-110890-3)[2X], GW-041219-NK-071 (240-110890-8)[10X], GW-041219-NK-071 (240-110890-8)[100X], GW-041219-NK-072 (240-110890-9)[1.25X] and GW-041219-NK-072 (240-110890-9)[12.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9) and RB-041219-NK-073 (240-110890-10) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/17/2019 and analyzed on 04/19/2019 and 04/22/2019.

The continuing calibration verification (CCV) associated with batch 240-377282 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6) and GW-041219-NK-070 (240-110890-7).

The continuing calibration verification (CCV) associated with batch 240-377488 recovered above the upper control limit for 2,4-Dinitrophenol and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9) and RB-041219-NK-073 (240-110890-10).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-376909.

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

**TOTAL RECOVERABLE METALS (ICP)**

Samples GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9) and RB-041219-NK-073 (240-110890-10) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/15/2019 and analyzed on 04/16/2019 and 04/17/2019.

Chromium was detected in method blank MB 240-376426/1-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.

Samples GW-041219-NK-068 (240-110890-5)[2X] and GW-041219-NK-070 (240-110890-7)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

**TOTAL MERCURY**

Samples GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9) and RB-041219-NK-073 (240-110890-10) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 04/15/2019 and

## Job ID: 240-110890-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

analyzed on 04/16/2019.

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

**TOTAL CYANIDE**

Samples GW-041219-NK-064 (240-110890-1), GW-041219-NK-065 (240-110890-2), GW-041219-NK-066 (240-110890-3), GW-041219-NK-067 (240-110890-4), GW-041219-NK-068 (240-110890-5), GW-041219-NK-069 (240-110890-6), GW-041219-NK-070 (240-110890-7), GW-041219-NK-071 (240-110890-8), GW-041219-NK-072 (240-110890-9) and RB-041219-NK-073 (240-110890-10) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 04/23/2019.

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

# Method Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 6010C | Metals (ICP) | SW846 | TAL CAN |
| 7470A | Mercury (CVAA) | SW846 | TAL CAN |
| 9012B | Cyanide, Total andor Amenable | SW846 | TAL CAN |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | SW846 | TAL CAN |
| 7470A | Preparation, Mercury | SW846 | TAL CAN |
| 9012B | Cyanide, Total and/or Amenable, Distillation | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Water | 04/12/19 08:15 | 04/12/19 13:45 | |
| 240-110890-2 | GW-041219-NK-065 | Water | 04/12/19 08:40 | 04/12/19 13:45 | |
| 240-110890-3 | GW-041219-NK-066 | Water | 04/12/19 09:00 | 04/12/19 13:45 | |
| 240-110890-4 | GW-041219-NK-067 | Water | 04/12/19 09:15 | 04/12/19 13:45 | |
| 240-110890-5 | GW-041219-NK-068 | Water | 04/12/19 09:40 | 04/12/19 13:45 | |
| 240-110890-6 | GW-041219-NK-069 | Water | 04/12/19 10:00 | 04/12/19 13:45 | |
| 240-110890-7 | GW-041219-NK-070 | Water | 04/12/19 10:15 | 04/12/19 13:45 | |
| 240-110890-8 | GW-041219-NK-071 | Water | 04/12/19 10:30 | 04/12/19 13:45 | |
| 240-110890-9 | GW-041219-NK-072 | Water | 04/12/19 10:50 | 04/12/19 13:45 | |
| 240-110890-10 | RB-041219-NK-073 | Water | 04/12/19 11:45 | 04/12/19 13:45 | |
| 240-110890-11 | TRIP BLANK | Water | 04/12/19 00:00 | 04/12/19 13:45 | |

# Detection Summary

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

Job ID: 240-110890-1

## Client Sample ID: GW-041219-NK-064 — Lab Sample ID: 240-110890-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Barium | 40 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 100000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 5.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 260 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 25000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 110 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 5.1 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 1400 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 3800 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-065 — Lab Sample ID: 240-110890-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 99 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 30 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 4700 | J | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 10 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 200 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 2400 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 10 | J | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 6.8 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 4000 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 490000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-066 — Lab Sample ID: 240-110890-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.18 | J | 1.0 | 0.13 | ug/L | 1 | | 8260C | Total/NA |
| Chloroethane | 1.3 | | 1.0 | 0.83 | ug/L | 1 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 28 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 88 | | 2.0 | 0.42 | ug/L | 2 | | 8260C | Total/NA |
| 1,1-Dichloroethene | 0.40 | J | 1.0 | 0.19 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 6.4 | | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| 1,1,1-Trichloroethane | 0.80 | J | 1.0 | 0.24 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 8.9 | | 1.0 | 0.20 | ug/L | 1 | | 8260C | Total/NA |
| trans-1,2-Dichloroethene | 0.20 | J | 1.0 | 0.19 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 6.2 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041219-NK-066 (Continued)

## Lab Sample ID: 240-110890-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 150 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Arsenic | 12 | J | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 8.6 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.20 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 450000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 3.4 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 3.0 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Copper | 3.5 | J | 25 | 3.5 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 140000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 130000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 3200 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 12 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 8900 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 80000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-067

## Lab Sample ID: 240-110890-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.25 | J | 1.0 | 0.13 | ug/L | 1 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 56 | | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 0.90 | J | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| 1,1-Dichloroethene | 0.73 | J | 1.0 | 0.19 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 30 | | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| 1,1,1-Trichloroethane | 11 | | 1.0 | 0.24 | ug/L | 1 | | 8260C | Total/NA |
| 1,1,2-Trichloroethane | 0.20 | J | 1.0 | 0.090 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 31 | | 1.0 | 0.10 | ug/L | 1 | | 8260C | Total/NA |
| Vinyl chloride | 3.2 | | 1.0 | 0.20 | ug/L | 1 | | 8260C | Total/NA |
| trans-1,2-Dichloroethene | 0.80 | J | 1.0 | 0.19 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 29 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |
| Barium | 10 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Cadmium | 0.23 | J | 5.0 | 0.20 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 300000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 1.2 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.5 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 3400 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 68000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041219-NK-067 (Continued)
## Lab Sample ID: 240-110890-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Manganese | 2100 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.3 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 5100 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 40000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Zinc | 16 | J | 50 | 9.7 | ug/L | 1 | | 6010C | Total Recoverable |
| Cyanide, Total | 0.012 | | 0.010 | 0.0060 | mg/L | 1 | | 9012B | Total/NA |

## Client Sample ID: GW-041219-NK-068
## Lab Sample ID: 240-110890-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.42 | J | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 1.0 | | 1.0 | 0.21 | ug/L | 1 | | 8260C | Total/NA |
| Aluminum | 130 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 40 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 8300 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 230 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 2800 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 12 | J | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 2.3 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 4500 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 650000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-069
## Lab Sample ID: 240-110890-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 54 | J | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 5.7 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 310000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 2.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 2500 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 160000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 100 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 2.5 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041219-NK-069 (Continued) — Lab Sample ID: 240-110890-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | 18000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 190000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-070 — Lab Sample ID: 240-110890-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | 640 | | 200 | 47 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 27 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 5900 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 3.6 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 370 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 2000 | J | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 9.4 | J | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 4.0 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 4600 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 640000 | | 10000 | 1100 | ug/L | 2 | | 6010C | Total Recoverable |

## Client Sample ID: GW-041219-NK-071 — Lab Sample ID: 240-110890-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 89 | | 10 | 1.3 | ug/L | 10 | | 8260C | Total/NA |
| Chloroethane | 390 | | 10 | 8.3 | ug/L | 10 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 690 | | 10 | 1.7 | ug/L | 10 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 17 | | 10 | 2.1 | ug/L | 10 | | 8260C | Total/NA |
| Ethylbenzene | 940 | | 100 | 11 | ug/L | 100 | | 8260C | Total/NA |
| Toluene | 3000 | | 100 | 14 | ug/L | 100 | | 8260C | Total/NA |
| 1,1,1-Trichloroethane | 3.2 | J | 10 | 2.4 | ug/L | 10 | | 8260C | Total/NA |
| 1,1,2-Trichloroethane | 3.4 | J | 10 | 0.90 | ug/L | 10 | | 8260C | Total/NA |
| Xylenes, Total | 3300 | | 200 | 15 | ug/L | 100 | | 8260C | Total/NA |
| 4-Chloro-3-methylphenol | 8.8 | | 1.8 | 0.26 | ug/L | 1 | | 8270D | Total/NA |
| 1,2-Dichlorobenzene | 1.3 | | 0.89 | 0.30 | ug/L | 1 | | 8270D | Total/NA |
| Diethyl phthalate | 3.4 | J | 4.5 | 3.4 | ug/L | 1 | | 8270D | Total/NA |
| 2,4-Dimethylphenol | 15 | | 1.8 | 0.46 | ug/L | 1 | | 8270D | Total/NA |
| Isophorone | 2.8 | | 0.89 | 0.29 | ug/L | 1 | | 8270D | Total/NA |
| 2-Methylnaphthalene | 1.6 | | 0.18 | 0.099 | ug/L | 1 | | 8270D | Total/NA |
| 2-Methylphenol | 15 | | 0.89 | 0.19 | ug/L | 1 | | 8270D | Total/NA |
| 3 & 4 Methylphenol | 6.4 | | 1.8 | 0.17 | ug/L | 1 | | 8270D | Total/NA |
| Naphthalene | 7.7 | | 0.18 | 0.097 | ug/L | 1 | | 8270D | Total/NA |
| Arsenic | 44 | | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 430 | | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 170000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: GW-041219-NK-071 (Continued)
## Lab Sample ID: 240-110890-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chromium | 12 | B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.0 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 460 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 85000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 410 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 9.9 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |
| Potassium | 7500 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 130000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Cyanide, Total | 0.0066 | J | 0.010 | 0.0060 | mg/L | 1 | | 9012B | Total/NA |

## Client Sample ID: GW-041219-NK-072
## Lab Sample ID: 240-110890-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 140 | | 13 | 1.6 | ug/L | 12.5 | | 8260C | Total/NA |
| Chlorobenzene | 0.29 | J | 1.3 | 0.18 | ug/L | 1.25 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 330 | | 13 | 2.1 | ug/L | 12.5 | | 8260C | Total/NA |
| 1,2-Dichloroethane | 44 | | 1.3 | 0.26 | ug/L | 1.25 | | 8260C | Total/NA |
| 1,1-Dichloroethene | 3.2 | | 1.3 | 0.24 | ug/L | 1.25 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 250 | | 25 | 4.1 | ug/L | 12.5 | | 8260C | Total/NA |
| Ethylbenzene | 0.37 | J | 1.3 | 0.14 | ug/L | 1.25 | | 8260C | Total/NA |
| Toluene | 0.81 | J | 1.3 | 0.18 | ug/L | 1.25 | | 8260C | Total/NA |
| 1,1,1-Trichloroethane | 2.3 | | 1.3 | 0.30 | ug/L | 1.25 | | 8260C | Total/NA |
| 1,1,2-Trichloroethane | 0.37 | J | 1.3 | 0.11 | ug/L | 1.25 | | 8260C | Total/NA |
| Trichloroethene | 23 | | 1.3 | 0.13 | ug/L | 1.25 | | 8260C | Total/NA |
| Vinyl chloride | 98 | | 1.3 | 0.25 | ug/L | 1.25 | | 8260C | Total/NA |
| Xylenes, Total | 0.64 | J | 2.5 | 0.19 | ug/L | 1.25 | | 8260C | Total/NA |
| trans-1,2-Dichloroethene | 6.3 | J | 13 | 2.4 | ug/L | 12.5 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 240 | | 13 | 2.0 | ug/L | 12.5 | | 8260C | Total/NA |
| Phenol | 1.1 | | 0.89 | 0.11 | ug/L | 1 | | 8270D | Total/NA |
| Arsenic | 22 | | 15 | 4.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Barium | 45 | J | 200 | 1.3 | ug/L | 1 | | 6010C | Total Recoverable |
| Calcium | 170000 | | 5000 | 310 | ug/L | 1 | | 6010C | Total Recoverable |
| Chromium | 3.5 | J B | 10 | 0.63 | ug/L | 1 | | 6010C | Total Recoverable |
| Cobalt | 2.4 | J | 10 | 0.75 | ug/L | 1 | | 6010C | Total Recoverable |
| Iron | 35000 | | 200 | 26 | ug/L | 1 | | 6010C | Total Recoverable |
| Magnesium | 49000 | | 5000 | 780 | ug/L | 1 | | 6010C | Total Recoverable |
| Manganese | 1300 | | 15 | 2.1 | ug/L | 1 | | 6010C | Total Recoverable |
| Nickel | 5.8 | J | 40 | 2.2 | ug/L | 1 | | 6010C | Total Recoverable |

This Detection Summary does not include radiochemical test results.

# Detection Summary

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

Job ID: 240-110890-1

## Client Sample ID: GW-041219-NK-072 (Continued)

## Lab Sample ID: 240-110890-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Potassium | 4400 | J | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |
| Sodium | 70000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: RB-041219-NK-073

## Lab Sample ID: 240-110890-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 33000 | | 5000 | 560 | ug/L | 1 | | 6010C | Total Recoverable |

## Client Sample ID: TRIP BLANK

## Lab Sample ID: 240-110890-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-064**
**Lab Sample ID: 240-110890-1**
**Date Collected: 04/12/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 22:32 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:32 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:32 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 22:32 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 22:32 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 22:32 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 22:32 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 22:32 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:32 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 22:32 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:32 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:32 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 22:32 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:32 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 22:32 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 22:32 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 22:32 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 22:32 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:32 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:32 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:32 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 22:32 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 22:32 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:32 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:32 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 22:32 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:32 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 22:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 22:32* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/22/19 22:32* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/22/19 22:32* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/22/19 22:32* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |

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

Job ID: 240-110890-1

**Client Sample ID: GW-041219-NK-064**
**Date Collected: 04/12/19 08:15**
**Date Received: 04/12/19 13:45**

**Lab Sample ID: 240-110890-1**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-064**
**Lab Sample ID: 240-110890-1**
**Date Collected: 04/12/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 14:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |
| *2-Fluorophenol (Surr)* | *66* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |
| *Nitrobenzene-d5 (Surr)* | *87* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |
| *Phenol-d5 (Surr)* | *60* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |
| *Terphenyl-d14 (Surr)* | *84* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 14:44* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Barium** | **40** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Calcium** | **100000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Chromium** | **5.6** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Iron** | **260** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Magnesium** | **25000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Manganese** | **110** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Nickel** | **5.1** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Potassium** | **1400** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| **Sodium** | **3800** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:34 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:28 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:03 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-065**
**Lab Sample ID: 240-110890-2**
**Date Collected: 04/12/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 22:54 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:54 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:54 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 22:54 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 22:54 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 22:54 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 22:54 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 22:54 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:54 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 22:54 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:54 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:54 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 22:54 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:54 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 22:54 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 22:54 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 22:54 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 22:54 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 22:54 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 22:54 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 22:54 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 22:54 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 22:54 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 22:54 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 22:54 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 22:54 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 22:54 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 22:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *59 - 120* | | *04/22/19 22:54* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* | | *04/22/19 22:54* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* | | *04/22/19 22:54* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 123* | | *04/22/19 22:54* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |

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

Job ID: 240-110890-1

**Client Sample ID: GW-041219-NK-065**
**Date Collected: 04/12/19 08:40**
**Date Received: 04/12/19 13:45**

**Lab Sample ID: 240-110890-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |

## Client Sample ID: GW-041219-NK-065 Lab Sample ID: 240-110890-2

**Date Collected: 04/12/19 08:40** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |
| *2-Fluorophenol (Surr)* | *67* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 15:08* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **99** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Barium** | **30** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Calcium** | **4700** | **J** | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Chromium** | **10** | **B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Iron** | **200** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Magnesium** | **2400** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Manganese** | **10** | **J** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Nickel** | **6.8** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Potassium** | **4000** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| **Sodium** | **490000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:39 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:30 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:04 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-066**
**Lab Sample ID: 240-110890-3**
**Date Collected: 04/12/19 09:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 23:16 | 1 |
| **Benzene** | **0.18** | **J** | 1.0 | 0.13 | ug/L | | | 04/22/19 23:16 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 23:16 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 23:16 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 23:16 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 23:16 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 23:16 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 23:16 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 23:16 | 1 |
| **Chloroethane** | **1.3** | | 1.0 | 0.83 | ug/L | | | 04/22/19 23:16 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 23:16 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 23:16 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 23:16 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 23:16 | 1 |
| **1,1-Dichloroethane** | **28** | | 1.0 | 0.17 | ug/L | | | 04/22/19 23:16 | 1 |
| **1,2-Dichloroethane** | **88** | | 2.0 | 0.42 | ug/L | | | 04/25/19 20:37 | 2 |
| **1,1-Dichloroethene** | **0.40** | **J** | 1.0 | 0.19 | ug/L | | | 04/22/19 23:16 | 1 |
| **1,2-Dichloroethene, Total** | **6.4** | | 2.0 | 0.33 | ug/L | | | 04/22/19 23:16 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 23:16 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 23:16 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 23:16 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 23:16 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 23:16 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 23:16 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 23:16 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 23:16 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 23:16 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 23:16 | 1 |
| **1,1,1-Trichloroethane** | **0.80** | **J** | 1.0 | 0.24 | ug/L | | | 04/22/19 23:16 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 23:16 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 23:16 | 1 |
| **Vinyl chloride** | **8.9** | | 1.0 | 0.20 | ug/L | | | 04/22/19 23:16 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 23:16 | 1 |
| **trans-1,2-Dichloroethene** | **0.20** | **J** | 1.0 | 0.19 | ug/L | | | 04/22/19 23:16 | 1 |
| **cis-1,2-Dichloroethene** | **6.2** | | 1.0 | 0.16 | ug/L | | | 04/22/19 23:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *59 - 120* | | *04/22/19 23:16* | *1* |
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/25/19 20:37* | *2* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/22/19 23:16* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/25/19 20:37* | *2* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/22/19 23:16* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/25/19 20:37* | *2* |
| *Toluene-d8 (Surr)* | *93* | | *70 - 123* | | *04/22/19 23:16* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/25/19 20:37* | *2* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |

**Client Sample ID: GW-041219-NK-066**
**Lab Sample ID: 240-110890-3**
**Date Collected: 04/12/19 09:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |

## Client Sample ID: GW-041219-NK-066 Lab Sample ID: 240-110890-3

**Date Collected: 04/12/19 09:00** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *75* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |
| *2-Fluorophenol (Surr)* | *65* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |
| *Nitrobenzene-d5 (Surr)* | *71* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |
| *Phenol-d5 (Surr)* | *47* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |
| *Terphenyl-d14 (Surr)* | *75* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 15:32* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **150** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Arsenic** | **12** | **J** | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Barium** | **8.6** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Cadmium** | **0.20** | **J** | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Calcium** | **450000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Chromium** | **3.4** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Cobalt** | **3.0** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Copper** | **3.5** | **J** | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Iron** | **140000** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Magnesium** | **130000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Manganese** | **3200** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Nickel** | **12** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Potassium** | **8900** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| **Sodium** | **80000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:43 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:32 | 1 |

# Client Sample Results

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-066**
**Lab Sample ID: 240-110890-3**
**Date Collected: 04/12/19 09:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:06 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-067**
**Lab Sample ID: 240-110890-4**
**Date Collected: 04/12/19 09:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 20:19 | 1 |
| **Benzene** | **0.25** | **J** | 1.0 | 0.13 | ug/L | | | 04/23/19 20:19 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 20:19 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 20:19 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 20:19 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 20:19 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 20:19 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 20:19 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 20:19 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 20:19 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 20:19 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 20:19 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 20:19 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,1-Dichloroethane** | **56** | | 1.0 | 0.17 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,2-Dichloroethane** | **0.90** | **J** | 1.0 | 0.21 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,1-Dichloroethene** | **0.73** | **J** | 1.0 | 0.19 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,2-Dichloroethene, Total** | **30** | | 2.0 | 0.33 | ug/L | | | 04/23/19 20:19 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 20:19 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 20:19 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 20:19 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 20:19 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 20:19 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 20:19 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 20:19 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 20:19 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 20:19 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,1,1-Trichloroethane** | **11** | | 1.0 | 0.24 | ug/L | | | 04/23/19 20:19 | 1 |
| **1,1,2-Trichloroethane** | **0.20** | **J** | 1.0 | 0.090 | ug/L | | | 04/23/19 20:19 | 1 |
| **Trichloroethene** | **31** | | 1.0 | 0.10 | ug/L | | | 04/23/19 20:19 | 1 |
| **Vinyl chloride** | **3.2** | | 1.0 | 0.20 | ug/L | | | 04/23/19 20:19 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 20:19 | 1 |
| **trans-1,2-Dichloroethene** | **0.80** | **J** | 1.0 | 0.19 | ug/L | | | 04/23/19 20:19 | 1 |
| **cis-1,2-Dichloroethene** | **29** | | 1.0 | 0.16 | ug/L | | | 04/23/19 20:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/23/19 20:19* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/23/19 20:19* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* | | *04/23/19 20:19* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/23/19 20:19* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-067**
**Lab Sample ID: 240-110890-4**
**Date Collected: 04/12/19 09:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |

## Client Sample ID: GW-041219-NK-067 — Lab Sample ID: 240-110890-4

**Date Collected: 04/12/19 09:15** — **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 15:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |
| *2-Fluorophenol (Surr)* | *83* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |
| *Nitrobenzene-d5 (Surr)* | *89* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |
| *Phenol-d5 (Surr)* | *56* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *79* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 15:57* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Barium** | **10** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Cadmium** | **0.23** | **J** | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Calcium** | **300000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Chromium** | **1.2** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Cobalt** | **2.5** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Iron** | **3400** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Magnesium** | **68000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Manganese** | **2100** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Nickel** | **4.3** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Potassium** | **5100** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Sodium** | **40000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |
| **Zinc** | **16** | **J** | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:47 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:34 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Cyanide, Total** | **0.012** | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:08 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-068**
**Lab Sample ID: 240-110890-5**
**Date Collected: 04/12/19 09:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 00:00 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:00 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 00:00 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 00:00 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 00:00 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 00:00 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 00:00 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 00:00 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:00 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 00:00 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:00 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:00 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 00:00 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 00:00 | 1 |
| **1,1-Dichloroethane** | **0.42** | **J** | 1.0 | 0.17 | ug/L | | | 04/23/19 00:00 | 1 |
| **1,2-Dichloroethane** | **1.0** | | 1.0 | 0.21 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:00 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 00:00 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 00:00 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 00:00 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 00:00 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:00 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:00 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:00 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 00:00 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 00:00 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:00 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:00 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 00:00 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:00 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 00:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/23/19 00:00* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 128* | | *04/23/19 00:00* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/23/19 00:00* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/23/19 00:00* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-068**
**Lab Sample ID: 240-110890-5**
**Date Collected: 04/12/19 09:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |

**Client Sample ID: GW-041219-NK-068**
**Lab Sample ID: 240-110890-5**
**Date Collected: 04/12/19 09:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *80* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |
| *2-Fluorophenol (Surr)* | *65* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |
| *Nitrobenzene-d5 (Surr)* | *88* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 16:21* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **130** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Barium** | **40** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Calcium** | **8300** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Chromium** | **2.6** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Iron** | **230** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Magnesium** | **2800** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Manganese** | **12** | **J** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Nickel** | **2.3** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Potassium** | **4500** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| **Sodium** | **650000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:07 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:52 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:36 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:09 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-069**
**Lab Sample ID: 240-110890-6**
**Date Collected: 04/12/19 10:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 00:23 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:23 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 00:23 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 00:23 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 00:23 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 00:23 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 00:23 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 00:23 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:23 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 00:23 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:23 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:23 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 00:23 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:23 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 00:23 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 00:23 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 00:23 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 00:23 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:23 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:23 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:23 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 00:23 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 00:23 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:23 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:23 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 00:23 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:23 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 00:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *59 - 120* | | *04/23/19 00:23* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* | | *04/23/19 00:23* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* | | *04/23/19 00:23* | *1* |
| *Toluene-d8 (Surr)* | *91* | | *70 - 123* | | *04/23/19 00:23* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-069**
**Lab Sample ID: 240-110890-6**
**Date Collected: 04/12/19 10:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |

## Client Sample ID: GW-041219-NK-069 Lab Sample ID: 240-110890-6

**Date Collected: 04/12/19 10:00** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 16:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *81* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |
| *2-Fluorophenol (Surr)* | *69* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |
| *Nitrobenzene-d5 (Surr)* | *88* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |
| *Phenol-d5 (Surr)* | *70* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 16:45* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **54** | **J** | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Barium** | **5.7** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Calcium** | **310000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Chromium** | **2.6** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Iron** | **2500** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Magnesium** | **160000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Manganese** | **100** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Nickel** | **2.5** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Potassium** | **18000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| **Sodium** | **190000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 16:56 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:38 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:11 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-070**
**Lab Sample ID: 240-110890-7**
**Date Collected: 04/12/19 10:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 00:45 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:45 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 00:45 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 00:45 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 00:45 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 00:45 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 00:45 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 00:45 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:45 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 00:45 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:45 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:45 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 00:45 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:45 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 00:45 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 00:45 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 00:45 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 00:45 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 00:45 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 00:45 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 00:45 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 00:45 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 00:45 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 00:45 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 00:45 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 00:45 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 00:45 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 00:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/23/19 00:45* | *1* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* | | *04/23/19 00:45* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/23/19 00:45* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 123* | | *04/23/19 00:45* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-070**
**Lab Sample ID: 240-110890-7**
**Date Collected: 04/12/19 10:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-070**
**Lab Sample ID: 240-110890-7**
**Date Collected: 04/12/19 10:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/19/19 17:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |
| *2-Fluorophenol (Surr)* | *60* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |
| *Nitrobenzene-d5 (Surr)* | *88* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |
| *Phenol-d5 (Surr)* | *55* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *73* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 17:10* | *1* |

## Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Aluminum** | **640** | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Barium** | **27** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Calcium** | **5900** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Chromium** | **3.6** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Iron** | **370** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Magnesium** | **2000** | **J** | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Manganese** | **9.4** | **J** | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Nickel** | **4.0** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Potassium** | **4600** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| **Sodium** | **640000** | | 10000 | 1100 | ug/L | | 04/15/19 14:00 | 04/17/19 23:12 | 2 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:09 | 1 |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:41 | 1 |

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:13 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-071**
**Lab Sample ID: 240-110890-8**
**Date Collected: 04/12/19 10:30**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 100 | 54 | ug/L | | | 04/23/19 01:07 | 10 |
| **Benzene** | **89** | | 10 | 1.3 | ug/L | | | 04/23/19 01:07 | 10 |
| Bromodichloromethane | ND | | 10 | 1.7 | ug/L | | | 04/23/19 01:07 | 10 |
| Bromoform | ND | | 10 | 7.6 | ug/L | | | 04/23/19 01:07 | 10 |
| Bromomethane | ND | | 10 | 4.2 | ug/L | | | 04/23/19 01:07 | 10 |
| 2-Butanone (MEK) | ND | | 100 | 12 | ug/L | | | 04/23/19 01:07 | 10 |
| Carbon disulfide | ND | | 10 | 2.8 | ug/L | | | 04/23/19 01:07 | 10 |
| Carbon tetrachloride | ND | | 10 | 2.6 | ug/L | | | 04/23/19 01:07 | 10 |
| Chlorobenzene | ND | | 10 | 1.4 | ug/L | | | 04/23/19 01:07 | 10 |
| **Chloroethane** | **390** | | 10 | 8.3 | ug/L | | | 04/23/19 01:07 | 10 |
| Chloroform | ND | | 10 | 1.3 | ug/L | | | 04/23/19 01:07 | 10 |
| Chloromethane | ND | | 10 | 2.0 | ug/L | | | 04/23/19 01:07 | 10 |
| cis-1,3-Dichloropropene | ND | | 10 | 6.1 | ug/L | | | 04/23/19 01:07 | 10 |
| Dibromochloromethane | ND | | 10 | 3.9 | ug/L | | | 04/23/19 01:07 | 10 |
| **1,1-Dichloroethane** | **690** | | 10 | 1.7 | ug/L | | | 04/23/19 01:07 | 10 |
| **1,2-Dichloroethane** | **17** | | 10 | 2.1 | ug/L | | | 04/23/19 01:07 | 10 |
| 1,1-Dichloroethene | ND | | 10 | 1.9 | ug/L | | | 04/23/19 01:07 | 10 |
| 1,2-Dichloroethene, Total | ND | | 20 | 3.3 | ug/L | | | 04/23/19 01:07 | 10 |
| 1,2-Dichloropropane | ND | | 10 | 1.5 | ug/L | | | 04/23/19 01:07 | 10 |
| **Ethylbenzene** | **940** | | 100 | 11 | ug/L | | | 04/23/19 01:29 | 100 |
| 2-Hexanone | ND | | 100 | 5.4 | ug/L | | | 04/23/19 01:07 | 10 |
| Methylene Chloride | ND | | 50 | 26 | ug/L | | | 04/23/19 01:07 | 10 |
| 4-Methyl-2-pentanone | ND | | 100 | 4.2 | ug/L | | | 04/23/19 01:07 | 10 |
| Styrene | ND | | 10 | 1.0 | ug/L | | | 04/23/19 01:07 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | 10 | 1.3 | ug/L | | | 04/23/19 01:07 | 10 |
| Tetrachloroethene | ND | | 10 | 1.5 | ug/L | | | 04/23/19 01:07 | 10 |
| **Toluene** | **3000** | | 100 | 14 | ug/L | | | 04/23/19 01:29 | 100 |
| trans-1,3-Dichloropropene | ND | | 10 | 6.7 | ug/L | | | 04/23/19 01:07 | 10 |
| **1,1,1-Trichloroethane** | **3.2** | **J** | 10 | 2.4 | ug/L | | | 04/23/19 01:07 | 10 |
| **1,1,2-Trichloroethane** | **3.4** | **J** | 10 | 0.90 | ug/L | | | 04/23/19 01:07 | 10 |
| Trichloroethene | ND | | 10 | 1.0 | ug/L | | | 04/23/19 01:07 | 10 |
| Vinyl chloride | ND | | 10 | 2.0 | ug/L | | | 04/23/19 01:07 | 10 |
| **Xylenes, Total** | **3300** | | 200 | 15 | ug/L | | | 04/23/19 01:29 | 100 |
| trans-1,2-Dichloroethene | ND | | 10 | 1.9 | ug/L | | | 04/23/19 01:07 | 10 |
| cis-1,2-Dichloroethene | ND | | 10 | 1.6 | ug/L | | | 04/23/19 01:07 | 10 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* | | *04/23/19 01:07* | *10* |
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/23/19 01:29* | *100* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/23/19 01:07* | *10* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 128* | | *04/23/19 01:29* | *100* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/23/19 01:07* | *10* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/23/19 01:29* | *100* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* | | *04/23/19 01:07* | *10* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/23/19 01:29* | *100* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |

**Client Sample ID: GW-041219-NK-071** **Lab Sample ID: 240-110890-8**
**Date Collected: 04/12/19 10:30** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **4-Chloro-3-methylphenol** | **8.8** | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **1,2-Dichlorobenzene** | **1.3** | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **Diethyl phthalate** | **3.4** | **J** | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **2,4-Dimethylphenol** | **15** | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **Isophorone** | **2.8** | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **2-Methylnaphthalene** | **1.6** | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **2-Methylphenol** | **15** | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **3 & 4 Methylphenol** | **6.4** | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| **Naphthalene** | **7.7** | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |

## Client Sample ID: GW-041219-NK-071 Lab Sample ID: 240-110890-8

**Date Collected: 04/12/19 10:30** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 10:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *68* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |
| *2-Fluorophenol (Surr)* | *54* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |
| *Terphenyl-d14 (Surr)* | *79* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *80* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 10:28* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Arsenic** | **44** | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Barium** | **430** | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Calcium** | **170000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Chromium** | **12** | **B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Cobalt** | **2.0** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Iron** | **460** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Magnesium** | **85000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Manganese** | **410** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Nickel** | **9.9** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Potassium** | **7500** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| **Sodium** | **130000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:13 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:43 | 1 |

# Client Sample Results

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-071**
**Lab Sample ID: 240-110890-8**
**Date Collected: 04/12/19 10:30**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.0066 | J | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:18 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-072**
**Lab Sample ID: 240-110890-9**
**Date Collected: 04/12/19 10:50**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 13 | 6.8 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Benzene** | **140** | | 13 | 1.6 | ug/L | | | 04/23/19 02:14 | 12.5 |
| Bromodichloromethane | ND | | 1.3 | 0.21 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Bromoform | ND | | 1.3 | 0.95 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Bromomethane | ND | | 1.3 | 0.53 | ug/L | | | 04/23/19 01:51 | 1.25 |
| 2-Butanone (MEK) | ND | | 13 | 1.5 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Carbon disulfide | ND | | 1.3 | 0.35 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Carbon tetrachloride | ND | | 1.3 | 0.33 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Chlorobenzene** | **0.29** | **J** | 1.3 | 0.18 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Chloroethane | ND | | 1.3 | 1.0 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Chloroform | ND | | 1.3 | 0.16 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Chloromethane | ND | | 1.3 | 0.25 | ug/L | | | 04/23/19 01:51 | 1.25 |
| cis-1,3-Dichloropropene | ND | | 1.3 | 0.76 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Dibromochloromethane | ND | | 1.3 | 0.49 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **1,1-Dichloroethane** | **330** | | 13 | 2.1 | ug/L | | | 04/23/19 02:14 | 12.5 |
| **1,2-Dichloroethane** | **44** | | 1.3 | 0.26 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **1,1-Dichloroethene** | **3.2** | | 1.3 | 0.24 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **1,2-Dichloroethene, Total** | **250** | | 25 | 4.1 | ug/L | | | 04/23/19 02:14 | 12.5 |
| 1,2-Dichloropropane | ND | | 1.3 | 0.19 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Ethylbenzene** | **0.37** | **J** | 1.3 | 0.14 | ug/L | | | 04/23/19 01:51 | 1.25 |
| 2-Hexanone | ND | | 13 | 0.68 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Methylene Chloride | ND | | 6.3 | 3.3 | ug/L | | | 04/23/19 01:51 | 1.25 |
| 4-Methyl-2-pentanone | ND | | 13 | 0.53 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Styrene | ND | | 1.3 | 0.13 | ug/L | | | 04/23/19 01:51 | 1.25 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.3 | 0.16 | ug/L | | | 04/23/19 01:51 | 1.25 |
| Tetrachloroethene | ND | | 1.3 | 0.19 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Toluene** | **0.81** | **J** | 1.3 | 0.18 | ug/L | | | 04/23/19 01:51 | 1.25 |
| trans-1,3-Dichloropropene | ND | | 1.3 | 0.84 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **1,1,1-Trichloroethane** | **2.3** | | 1.3 | 0.30 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **1,1,2-Trichloroethane** | **0.37** | **J** | 1.3 | 0.11 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Trichloroethene** | **23** | | 1.3 | 0.13 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Vinyl chloride** | **98** | | 1.3 | 0.25 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **Xylenes, Total** | **0.64** | **J** | 2.5 | 0.19 | ug/L | | | 04/23/19 01:51 | 1.25 |
| **trans-1,2-Dichloroethene** | **6.3** | **J** | 13 | 2.4 | ug/L | | | 04/23/19 02:14 | 12.5 |
| **cis-1,2-Dichloroethene** | **240** | | 13 | 2.0 | ug/L | | | 04/23/19 02:14 | 12.5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* | | *04/23/19 01:51* | *1.25* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/23/19 02:14* | *12.5* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 128* | | *04/23/19 01:51* | *1.25* |
| *Dibromofluoromethane (Surr)* | *101* | | *75 - 128* | | *04/23/19 02:14* | *12.5* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* | | *04/23/19 01:51* | *1.25* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/23/19 02:14* | *12.5* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/23/19 01:51* | *1.25* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/23/19 02:14* | *12.5* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-072**
**Lab Sample ID: 240-110890-9**
**Date Collected: 04/12/19 10:50**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |

## Client Sample ID: GW-041219-NK-072 Lab Sample ID: 240-110890-9

**Date Collected: 04/12/19 10:50** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| **Phenol** | **1.1** | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 08:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |
| *2-Fluorophenol (Surr)* | *76* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |
| *Nitrobenzene-d5 (Surr)* | *86* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *83* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 08:51* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Arsenic** | **22** | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Barium** | **45** | **J** | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Calcium** | **170000** | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Chromium** | **3.5** | **J B** | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Cobalt** | **2.4** | **J** | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Iron** | **35000** | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Magnesium** | **49000** | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Manganese** | **1300** | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Nickel** | **5.8** | **J** | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Potassium** | **4400** | **J** | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| **Sodium** | **70000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:17 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:45 | 1 |

# Client Sample Results

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: GW-041219-NK-072**
**Lab Sample ID: 240-110890-9**
**Date Collected: 04/12/19 10:50**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

## General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:20 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: RB-041219-NK-073**
**Lab Sample ID: 240-110890-10**
**Date Collected: 04/12/19 11:45**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 02:36 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 02:36 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 02:36 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 02:36 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 02:36 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 02:36 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 02:36 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 02:36 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 02:36 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 02:36 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 02:36 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 02:36 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 02:36 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 02:36 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 02:36 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 02:36 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 02:36 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 02:36 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 02:36 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 02:36 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 02:36 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 02:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 02:36 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 02:36 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 02:36 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 02:36 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 02:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 02:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *59 - 120* | | *04/23/19 02:36* | *1* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 128* | | *04/23/19 02:36* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *93* | | *70 - 121* | | *04/23/19 02:36* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 123* | | *04/23/19 02:36* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |

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

Job ID: 240-110890-1

**Client Sample ID: RB-041219-NK-073**
**Date Collected: 04/12/19 11:45**
**Date Received: 04/12/19 13:45**

**Lab Sample ID: 240-110890-10**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |

## Client Sample ID: RB-041219-NK-073 Lab Sample ID: 240-110890-10

**Date Collected: 04/12/19 11:45** **Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/17/19 10:35 | 04/22/19 09:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *80* | | *32 - 120* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |
| *2-Fluorophenol (Surr)* | *74* | | *17 - 120* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |
| *Nitrobenzene-d5 (Surr)* | *85* | | *35 - 120* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |
| *Phenol-d5 (Surr)* | *47* | | *15 - 120* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |
| *Terphenyl-d14 (Surr)* | *87* | | *28 - 128* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *73* | | *33 - 120* | *04/17/19 10:35* | *04/22/19 09:15* | *1* |

### Method: 6010C - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Chromium | ND | | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| **Sodium** | **33000** | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 17:21 | 1 |

### Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 12:51 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:22 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

**Client Sample ID: TRIP BLANK**
**Lab Sample ID: 240-110890-11**
**Date Collected: 04/12/19 00:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/23/19 20:41 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 20:41 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 20:41 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 20:41 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 20:41 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 20:41 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 20:41 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 20:41 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 20:41 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 20:41 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 20:41 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 20:41 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 20:41 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 20:41 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 20:41 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 20:41 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 20:41 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 20:41 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 20:41 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 20:41 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 20:41 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 20:41 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 20:41 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 20:41 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 20:41 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 20:41 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 20:41 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 20:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/23/19 20:41* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/23/19 20:41* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/23/19 20:41* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 123* | | *04/23/19 20:41* | *1* |

# Surrogate Summary

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

Job ID: 240-110890-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | BFB | DBFM | DCA | TOL |
| Lab Sample ID | Client Sample ID | (59-120) | (75-128) | (70-121) | (70-123) |
| 240-110890-1 | GW-041219-NK-064 | 96 | 99 | 92 | 98 |
| 240-110890-2 | GW-041219-NK-065 | 90 | 94 | 87 | 94 |
| 240-110890-3 | GW-041219-NK-066 | 90 | 96 | 89 | 93 |
| 240-110890-3 | GW-041219-NK-066 | 93 | 98 | 92 | 98 |
| 240-110890-4 | GW-041219-NK-067 | 92 | 96 | 88 | 98 |
| 240-110890-5 | GW-041219-NK-068 | 92 | 99 | 91 | 95 |
| 240-110890-6 | GW-041219-NK-069 | 89 | 97 | 88 | 91 |
| 240-110890-7 | GW-041219-NK-070 | 91 | 95 | 91 | 94 |
| 240-110890-8 | GW-041219-NK-071 | 98 | 100 | 90 | 100 |
| 240-110890-8 | GW-041219-NK-071 | 96 | 102 | 93 | 99 |
| 240-110890-8 MS | GW-041219-NK-071 | 100 | 95 | 88 | 101 |
| 240-110890-8 MSD | GW-041219-NK-071 | 93 | 94 | 87 | 99 |
| 240-110890-9 | GW-041219-NK-072 | 97 | 96 | 88 | 99 |
| 240-110890-9 | GW-041219-NK-072 | 95 | 101 | 92 | 97 |
| 240-110890-10 | RB-041219-NK-073 | 89 | 102 | 93 | 95 |
| 240-110890-11 | TRIP BLANK | 92 | 98 | 90 | 94 |
| LCS 240-377675/5 | Lab Control Sample | 94 | 94 | 85 | 101 |
| LCS 240-377892/5 | Lab Control Sample | 98 | 95 | 88 | 98 |
| LCS 240-378327/5 | Lab Control Sample | 96 | 95 | 86 | 100 |
| MB 240-377675/8 | Method Blank | 95 | 100 | 91 | 99 |
| MB 240-377892/8 | Method Blank | 88 | 98 | 89 | 96 |
| MB 240-378327/8 | Method Blank | 93 | 100 | 92 | 98 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110890-1 | GW-041219-NK-064 | 81 | 66 | 87 | 60 | 84 | 72 |
| 240-110890-2 | GW-041219-NK-065 | 79 | 67 | 82 | 51 | 80 | 70 |
| 240-110890-3 | GW-041219-NK-066 | 75 | 65 | 71 | 47 | 75 | 70 |
| 240-110890-4 | GW-041219-NK-067 | 81 | 83 | 89 | 56 | 81 | 79 |
| 240-110890-5 | GW-041219-NK-068 | 80 | 65 | 88 | 51 | 82 | 76 |
| 240-110890-6 | GW-041219-NK-069 | 81 | 69 | 88 | 70 | 87 | 76 |
| 240-110890-7 | GW-041219-NK-070 | 79 | 60 | 88 | 55 | 82 | 73 |
| 240-110890-8 | GW-041219-NK-071 | 68 | 54 | 78 | 48 | 79 | 80 |
| 240-110890-9 | GW-041219-NK-072 | 79 | 76 | 86 | 52 | 85 | 83 |
| 240-110890-10 | RB-041219-NK-073 | 80 | 74 | 85 | 47 | 87 | 73 |
| LCS 240-376909/21-A | Lab Control Sample | 83 | 80 | 94 | 52 | 88 | 76 |
| MB 240-376909/20-A | Method Blank | 79 | 58 | 81 | 45 | 85 | 72 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

# Surrogate Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

**Lab Sample ID: MB 240-377675/8**
**Matrix: Water**
**Analysis Batch: 377675**

**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 | 5.4 | ug/L | | | 04/22/19 18:26 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:26 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/22/19 18:26 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/22/19 18:26 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/22/19 18:26 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/22/19 18:26 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/22/19 18:26 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:26 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/22/19 18:26 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 18:26 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/22/19 18:26 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/22/19 18:26 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/22/19 18:26 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 18:26 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 18:26 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/22/19 18:26 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/22/19 18:26 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 18:26 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 18:26 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 18:26 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 18:26 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 18:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *59 - 120* | | *04/22/19 18:26* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/22/19 18:26* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/22/19 18:26* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/22/19 18:26* | *1* |

**Lab Sample ID: LCS 240-377675/5**
**Matrix: Water**
**Analysis Batch: 377675**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 52.3 | | ug/L | | 131 | 21 - 162 |

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

**Lab Sample ID: LCS 240-377675/5**
**Matrix: Water**
**Analysis Batch: 377675**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.2 | | ug/L | | 91 | 77 - 125 |
| Bromoform | 20.0 | 17.7 | | ug/L | | 88 | 49 - 141 |
| Bromomethane | 20.0 | 20.1 | | ug/L | | 100 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 45.9 | | ug/L | | 115 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.7 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.4 | | ug/L | | 87 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 121 |
| Chloroethane | 20.0 | 22.0 | | ug/L | | 110 | 33 - 173 |
| Chloroform | 20.0 | 20.6 | | ug/L | | 103 | 79 - 127 |
| Chloromethane | 20.0 | 22.0 | | ug/L | | 110 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.4 | | ug/L | | 97 | 64 - 132 |
| Dibromochloromethane | 20.0 | 19.2 | | ug/L | | 96 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.9 | | ug/L | | 109 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.0 | | ug/L | | 85 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 21.0 | | ug/L | | 105 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 43.2 | | ug/L | | 108 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.7 | | ug/L | | 109 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.6 | | ug/L | | 103 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.2 | | ug/L | | 103 | 43 - 148 |
| Methylene Chloride | 20.0 | 21.3 | | ug/L | | 106 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 39.7 | | ug/L | | 99 | 49 - 143 |
| Styrene | 20.0 | 20.1 | | ug/L | | 101 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.6 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.2 | | ug/L | | 91 | 74 - 130 |
| Toluene | 20.0 | 20.8 | | ug/L | | 104 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.8 | | ug/L | | 89 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.6 | | ug/L | | 108 | 78 - 133 |
| Trichloroethene | 20.0 | 18.5 | | ug/L | | 93 | 76 - 125 |
| Vinyl chloride | 20.0 | 22.2 | | ug/L | | 111 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.9 | | ug/L | | 105 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 108 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.7 | | ug/L | | 109 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

**Lab Sample ID: 240-110890-8 MS**
**Matrix: Water**
**Analysis Batch: 377675**

**Client Sample ID: GW-041219-NK-071**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 4000 | 5410 | | ug/L | | 135 | 10 - 168 |
| Benzene | 96 | J | 2000 | 2230 | | ug/L | | 107 | 71 - 122 |

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

**Lab Sample ID: 240-110890-8 MS**
**Matrix: Water**
**Analysis Batch: 377675**

**Client Sample ID: GW-041219-NK-071**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 2000 | 1820 | | ug/L | | 91 | 64 - 125 |
| Bromoform | ND | | 2000 | 1670 | | ug/L | | 84 | 44 - 129 |
| Bromomethane | ND | | 2000 | 1880 | | ug/L | | 94 | 19 - 187 |
| 2-Butanone (MEK) | ND | | 4000 | 4460 | | ug/L | | 111 | 37 - 156 |
| Carbon disulfide | ND | | 2000 | 2060 | | ug/L | | 103 | 43 - 144 |
| Carbon tetrachloride | ND | | 2000 | 1580 | | ug/L | | 79 | 41 - 143 |
| Chlorobenzene | 46 | J | 2000 | 1960 | | ug/L | | 96 | 70 - 123 |
| Chloroethane | 440 | | 2000 | 2480 | | ug/L | | 102 | 11 - 189 |
| Chloroform | ND | | 2000 | 1920 | | ug/L | | 96 | 68 - 130 |
| Chloromethane | ND | | 2000 | 2060 | | ug/L | | 103 | 31 - 154 |
| cis-1,3-Dichloropropene | ND | | 2000 | 1860 | | ug/L | | 93 | 48 - 127 |
| Dibromochloromethane | ND | | 2000 | 1800 | | ug/L | | 90 | 60 - 129 |
| 1,1-Dichloroethane | 740 | | 2000 | 2780 | | ug/L | | 102 | 63 - 136 |
| 1,2-Dichloroethane | 24 | J | 2000 | 1670 | | ug/L | | 82 | 65 - 135 |
| 1,1-Dichloroethene | ND | | 2000 | 1920 | | ug/L | | 96 | 53 - 140 |
| 1,2-Dichloroethene, Total | ND | | 4000 | 4060 | | ug/L | | 102 | 68 - 130 |
| 1,2-Dichloropropane | ND | | 2000 | 2180 | | ug/L | | 109 | 70 - 132 |
| Ethylbenzene | 940 | | 2000 | 2960 | | ug/L | | 101 | 66 - 120 |
| 2-Hexanone | ND | | 4000 | 3990 | | ug/L | | 100 | 42 - 150 |
| Methylene Chloride | ND | | 2000 | 2060 | | ug/L | | 103 | 61 - 130 |
| 4-Methyl-2-pentanone | ND | | 4000 | 3990 | | ug/L | | 100 | 44 - 143 |
| Styrene | ND | | 2000 | 1980 | | ug/L | | 99 | 68 - 120 |
| 1,1,2,2-Tetrachloroethane | ND | | 2000 | 2390 | | ug/L | | 119 | 60 - 137 |
| Tetrachloroethene | ND | | 2000 | 1670 | | ug/L | | 83 | 51 - 136 |
| Toluene | 3000 | | 2000 | 4920 | | ug/L | | 94 | 62 - 132 |
| trans-1,3-Dichloropropene | ND | | 2000 | 1650 | | ug/L | | 82 | 40 - 125 |
| 1,1,1-Trichloroethane | ND | | 2000 | 1730 | | ug/L | | 86 | 51 - 138 |
| 1,1,2-Trichloroethane | ND | | 2000 | 2110 | | ug/L | | 106 | 76 - 132 |
| Trichloroethene | ND | | 2000 | 1760 | | ug/L | | 88 | 55 - 131 |
| Vinyl chloride | ND | | 2000 | 2090 | | ug/L | | 104 | 43 - 154 |
| Xylenes, Total | 3300 | | 4000 | 7320 | | ug/L | | 102 | 67 - 120 |
| trans-1,2-Dichloroethene | ND | | 2000 | 2010 | | ug/L | | 101 | 68 - 133 |
| cis-1,2-Dichloroethene | ND | | 2000 | 2050 | | ug/L | | 102 | 64 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *101* | | *70 - 123* |

**Lab Sample ID: 240-110890-8 MSD**
**Matrix: Water**
**Analysis Batch: 377675**

**Client Sample ID: GW-041219-NK-071**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 4000 | 4840 | | ug/L | | 121 | 10 - 168 | 11 | 35 |
| Benzene | 96 | J | 2000 | 2230 | | ug/L | | 107 | 71 - 122 | 0 | 22 |
| Bromodichloromethane | ND | | 2000 | 1780 | | ug/L | | 89 | 64 - 125 | 2 | 27 |

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

**Lab Sample ID: 240-110890-8 MSD**
**Matrix: Water**
**Analysis Batch: 377675**

**Client Sample ID: GW-041219-NK-071**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | | 2000 | 1640 | | ug/L | | 82 | 44 - 129 | 2 | 28 |
| Bromomethane | ND | | 2000 | 2000 | | ug/L | | 100 | 19 - 187 | 6 | 35 |
| 2-Butanone (MEK) | ND | | 4000 | 4200 | | ug/L | | 105 | 37 - 156 | 6 | 35 |
| Carbon disulfide | ND | | 2000 | 2180 | | ug/L | | 109 | 43 - 144 | 6 | 33 |
| Carbon tetrachloride | ND | | 2000 | 1660 | | ug/L | | 83 | 41 - 143 | 5 | 30 |
| Chlorobenzene | 46 | J | 2000 | 1980 | | ug/L | | 97 | 70 - 123 | 1 | 23 |
| Chloroethane | 440 | | 2000 | 2660 | | ug/L | | 111 | 11 - 189 | 7 | 35 |
| Chloroform | ND | | 2000 | 2010 | | ug/L | | 101 | 68 - 130 | 5 | 23 |
| Chloromethane | ND | | 2000 | 2120 | | ug/L | | 106 | 31 - 154 | 3 | 35 |
| cis-1,3-Dichloropropene | ND | | 2000 | 1800 | | ug/L | | 90 | 48 - 127 | 3 | 30 |
| Dibromochloromethane | ND | | 2000 | 1810 | | ug/L | | 90 | 60 - 129 | 1 | 26 |
| 1,1-Dichloroethane | 740 | | 2000 | 2920 | | ug/L | | 109 | 63 - 136 | 5 | 23 |
| 1,2-Dichloroethane | 24 | J | 2000 | 1680 | | ug/L | | 83 | 65 - 135 | 1 | 24 |
| 1,1-Dichloroethene | ND | | 2000 | 2050 | | ug/L | | 103 | 53 - 140 | 7 | 35 |
| 1,2-Dichloroethene, Total | ND | | 4000 | 4240 | | ug/L | | 106 | 68 - 130 | 4 | 21 |
| 1,2-Dichloropropane | ND | | 2000 | 2130 | | ug/L | | 106 | 70 - 132 | 2 | 26 |
| Ethylbenzene | 940 | | 2000 | 2940 | | ug/L | | 100 | 66 - 120 | 1 | 24 |
| 2-Hexanone | ND | | 4000 | 4000 | | ug/L | | 100 | 42 - 150 | 0 | 35 |
| Methylene Chloride | ND | | 2000 | 2120 | | ug/L | | 106 | 61 - 130 | 3 | 29 |
| 4-Methyl-2-pentanone | ND | | 4000 | 3850 | | ug/L | | 96 | 44 - 143 | 4 | 35 |
| Styrene | ND | | 2000 | 1940 | | ug/L | | 97 | 68 - 120 | 2 | 26 |
| 1,1,2,2-Tetrachloroethane | ND | | 2000 | 2560 | | ug/L | | 128 | 60 - 137 | 7 | 31 |
| Tetrachloroethene | ND | | 2000 | 1760 | | ug/L | | 88 | 51 - 136 | 6 | 23 |
| Toluene | 3000 | | 2000 | 5010 | | ug/L | | 98 | 62 - 132 | 2 | 23 |
| trans-1,3-Dichloropropene | ND | | 2000 | 1680 | | ug/L | | 84 | 40 - 125 | 2 | 27 |
| 1,1,1-Trichloroethane | ND | | 2000 | 1810 | | ug/L | | 91 | 51 - 138 | 5 | 27 |
| 1,1,2-Trichloroethane | ND | | 2000 | 2120 | | ug/L | | 106 | 76 - 132 | 0 | 25 |
| Trichloroethene | ND | | 2000 | 1780 | | ug/L | | 89 | 55 - 131 | 1 | 23 |
| Vinyl chloride | ND | | 2000 | 2250 | | ug/L | | 112 | 43 - 154 | 7 | 29 |
| Xylenes, Total | 3300 | | 4000 | 7230 | | ug/L | | 100 | 67 - 120 | 1 | 25 |
| trans-1,2-Dichloroethene | ND | | 2000 | 2130 | | ug/L | | 107 | 68 - 133 | 6 | 24 |
| cis-1,2-Dichloroethene | ND | | 2000 | 2110 | | ug/L | | 105 | 64 - 130 | 3 | 21 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* |

**Lab Sample ID: MB 240-377892/8**
**Matrix: Water**
**Analysis Batch: 377892**

**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 | 5.4 | ug/L | | | 04/23/19 19:35 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 19:35 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 19:35 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/23/19 19:35 | 1 |

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

**Lab Sample ID: MB 240-377892/8**
**Matrix: Water**
**Analysis Batch: 377892**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/23/19 19:35 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/23/19 19:35 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/23/19 19:35 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/23/19 19:35 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 19:35 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/23/19 19:35 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 19:35 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 19:35 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/23/19 19:35 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 19:35 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/23/19 19:35 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/23/19 19:35 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/23/19 19:35 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/23/19 19:35 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/23/19 19:35 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/23/19 19:35 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/23/19 19:35 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/23/19 19:35 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/23/19 19:35 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/23/19 19:35 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/23/19 19:35 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/23/19 19:35 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/23/19 19:35 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/23/19 19:35 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *59 - 120* | | *04/23/19 19:35* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/23/19 19:35* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/23/19 19:35* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/23/19 19:35* | *1* |

**Lab Sample ID: LCS 240-377892/5**
**Matrix: Water**
**Analysis Batch: 377892**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 57.1 | | ug/L | | 143 | 21 - 162 |
| Benzene | 20.0 | 22.4 | | ug/L | | 112 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.9 | | ug/L | | 94 | 77 - 125 |
| Bromoform | 20.0 | 18.0 | | ug/L | | 90 | 49 - 141 |
| Bromomethane | 20.0 | 20.3 | | ug/L | | 101 | 41 - 175 |

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

**Lab Sample ID: LCS 240-377892/5**
**Matrix: Water**
**Analysis Batch: 377892**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone (MEK) | 40.0 | 46.2 | | ug/L | | 115 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.9 | | ug/L | | 115 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.7 | | ug/L | | 89 | 63 - 140 |
| Chlorobenzene | 20.0 | 20.1 | | ug/L | | 101 | 80 - 121 |
| Chloroethane | 20.0 | 22.7 | | ug/L | | 113 | 33 - 173 |
| Chloroform | 20.0 | 20.9 | | ug/L | | 105 | 79 - 127 |
| Chloromethane | 20.0 | 21.8 | | ug/L | | 109 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.8 | | ug/L | | 99 | 64 - 132 |
| Dibromochloromethane | 20.0 | 19.0 | | ug/L | | 95 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 22.1 | | ug/L | | 110 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.3 | | ug/L | | 86 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 21.6 | | ug/L | | 108 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 44.0 | | ug/L | | 110 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 22.5 | | ug/L | | 113 | 78 - 133 |
| Ethylbenzene | 20.0 | 21.1 | | ug/L | | 106 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.5 | | ug/L | | 104 | 43 - 148 |
| Methylene Chloride | 20.0 | 21.9 | | ug/L | | 110 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 42.0 | | ug/L | | 105 | 49 - 143 |
| Styrene | 20.0 | 20.5 | | ug/L | | 103 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 23.8 | | ug/L | | 119 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.1 | | ug/L | | 91 | 74 - 130 |
| Toluene | 20.0 | 20.8 | | ug/L | | 104 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.4 | | ug/L | | 87 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.6 | | ug/L | | 93 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.6 | | ug/L | | 108 | 78 - 133 |
| Trichloroethene | 20.0 | 18.9 | | ug/L | | 94 | 76 - 125 |
| Vinyl chloride | 20.0 | 22.6 | | ug/L | | 113 | 58 - 143 |
| Xylenes, Total | 40.0 | 43.8 | | ug/L | | 110 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 22.0 | | ug/L | | 110 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 22.0 | | ug/L | | 110 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* |

**Lab Sample ID: MB 240-378327/8**
**Matrix: Water**
**Analysis Batch: 378327**

**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 | 5.4 | ug/L | | | 04/25/19 19:30 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/25/19 19:30 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/25/19 19:30 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/25/19 19:30 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/25/19 19:30 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/25/19 19:30 | 1 |

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

**Lab Sample ID: MB 240-378327/8**
**Matrix: Water**
**Analysis Batch: 378327**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/25/19 19:30 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/25/19 19:30 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/25/19 19:30 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/25/19 19:30 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/25/19 19:30 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/25/19 19:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/25/19 19:30 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/25/19 19:30 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/25/19 19:30 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/25/19 19:30 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/25/19 19:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/25/19 19:30 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/25/19 19:30 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/25/19 19:30 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/25/19 19:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/25/19 19:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/25/19 19:30 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/25/19 19:30 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/25/19 19:30 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/25/19 19:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/25/19 19:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/25/19 19:30 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *59 - 120* | | *04/25/19 19:30* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 128* | | *04/25/19 19:30* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/25/19 19:30* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* | | *04/25/19 19:30* | *1* |

**Lab Sample ID: LCS 240-378327/5**
**Matrix: Water**
**Analysis Batch: 378327**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 53.6 | | ug/L | | 134 | 21 - 162 |
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.6 | | ug/L | | 93 | 77 - 125 |
| Bromoform | 20.0 | 17.7 | | ug/L | | 89 | 49 - 141 |
| Bromomethane | 20.0 | 19.0 | | ug/L | | 95 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 47.8 | | ug/L | | 120 | 39 - 163 |
| Carbon disulfide | 20.0 | 21.6 | | ug/L | | 108 | 60 - 138 |

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

**Lab Sample ID: LCS 240-378327/5**
**Matrix: Water**
**Analysis Batch: 378327**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 20.0 | 17.2 | | ug/L | | 86 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.9 | | ug/L | | 100 | 80 - 121 |
| Chloroethane | 20.0 | 21.0 | | ug/L | | 105 | 33 - 173 |
| Chloroform | 20.0 | 19.8 | | ug/L | | 99 | 79 - 127 |
| Chloromethane | 20.0 | 20.3 | | ug/L | | 101 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 20.2 | | ug/L | | 101 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.9 | | ug/L | | 94 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.4 | | ug/L | | 107 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 16.9 | | ug/L | | 84 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 20.1 | | ug/L | | 100 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 42.3 | | ug/L | | 106 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.9 | | ug/L | | 109 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.9 | | ug/L | | 105 | 80 - 120 |
| 2-Hexanone | 40.0 | 42.8 | | ug/L | | 107 | 43 - 148 |
| Methylene Chloride | 20.0 | 20.4 | | ug/L | | 102 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 41.8 | | ug/L | | 104 | 49 - 143 |
| Styrene | 20.0 | 20.4 | | ug/L | | 102 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.3 | | ug/L | | 126 | 65 - 139 |
| Tetrachloroethene | 20.0 | 18.3 | | ug/L | | 92 | 74 - 130 |
| Toluene | 20.0 | 20.9 | | ug/L | | 104 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.8 | | ug/L | | 89 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.1 | | ug/L | | 90 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 21.7 | | ug/L | | 108 | 78 - 133 |
| Trichloroethene | 20.0 | 18.4 | | ug/L | | 92 | 76 - 125 |
| Vinyl chloride | 20.0 | 21.1 | | ug/L | | 105 | 58 - 143 |
| Xylenes, Total | 40.0 | 42.8 | | ug/L | | 107 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.0 | | ug/L | | 105 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.3 | | ug/L | | 107 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *86* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

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

**Lab Sample ID: MB 240-376909/20-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |

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

**Lab Sample ID: MB 240-376909/20-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Diethyl phthalate | ND | | 5.0 | 3.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |

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

**Lab Sample ID: MB 240-376909/20-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/17/19 10:35 | 04/19/19 07:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *2-Fluorophenol (Surr)* | *58* | | *17 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/17/19 10:35* | *04/19/19 07:02* | *1* |

**Lab Sample ID: LCS 240-376909/21-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 25.5 | | ug/L | | 80 | 59 - 120 |
| Acenaphthylene | 32.0 | 26.1 | | ug/L | | 81 | 59 - 120 |
| Anthracene | 32.0 | 23.0 | | ug/L | | 72 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 26.1 | | ug/L | | 82 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.8 | | ug/L | | 81 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 25.8 | | ug/L | | 81 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 25.1 | | ug/L | | 79 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.6 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 26.6 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 22.7 | | ug/L | | 71 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 29.7 | | ug/L | | 93 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.5 | | ug/L | | 77 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 27.5 | | ug/L | | 86 | 53 - 120 |
| Carbazole | 32.0 | 24.1 | | ug/L | | 75 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 13.4 | | ug/L | | 42 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 27.4 | | ug/L | | 86 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.0 | | ug/L | | 75 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.0 | | ug/L | | 78 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 26.6 | | ug/L | | 83 | 62 - 120 |
| Chrysene | 32.0 | 25.5 | | ug/L | | 80 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 25.9 | | ug/L | | 81 | 62 - 120 |
| Dibenzofuran | 32.0 | 24.7 | | ug/L | | 77 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 23.1 | | ug/L | | 72 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 22.8 | | ug/L | | 71 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 41.0 | | ug/L | | 64 | 54 - 120 |

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

**Lab Sample ID: LCS 240-376909/21-A**
**Matrix: Water**
**Analysis Batch: 377282**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376909**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2,4-Dichlorophenol | 32.0 | 29.4 | | ug/L | | 92 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.7 | | ug/L | | 90 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.7 | | ug/L | | 87 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.2 | | ug/L | | 76 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 60.7 | | ug/L | | 95 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 50.6 | | ug/L | | 79 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 27.2 | | ug/L | | 85 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 26.9 | | ug/L | | 84 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 31.2 | | ug/L | | 98 | 58 - 120 |
| Fluoranthene | 32.0 | 25.4 | | ug/L | | 79 | 62 - 120 |
| Fluorene | 32.0 | 24.8 | | ug/L | | 77 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 21.7 | | ug/L | | 68 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 29.0 | | ug/L | | 91 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 24.5 | | ug/L | | 77 | 30 - 120 |
| Hexachloroethane | 32.0 | 24.2 | | ug/L | | 76 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 26.0 | | ug/L | | 81 | 62 - 120 |
| Isophorone | 32.0 | 27.2 | | ug/L | | 85 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.2 | | ug/L | | 79 | 58 - 120 |
| 2-Methylphenol | 32.0 | 24.3 | | ug/L | | 76 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 22.8 | | ug/L | | 71 | 50 - 120 |
| Naphthalene | 32.0 | 25.3 | | ug/L | | 79 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 30.0 | | ug/L | | 94 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 25.4 | | ug/L | | 79 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 29.8 | | ug/L | | 93 | 54 - 135 |
| Nitrobenzene | 32.0 | 28.2 | | ug/L | | 88 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.8 | | ug/L | | 99 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 30.7 | | ug/L | | 48 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 24.2 | | ug/L | | 75 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 23.5 | | ug/L | | 73 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 25.4 | | ug/L | | 79 | 50 - 120 |
| Pentachlorophenol | 64.0 | 37.0 | | ug/L | | 58 | 30 - 120 |
| Phenanthrene | 32.0 | 22.5 | | ug/L | | 70 | 59 - 120 |
| Phenol | 32.0 | 16.0 | | ug/L | | 50 | 25 - 120 |
| Pyrene | 32.0 | 26.2 | | ug/L | | 82 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 27.9 | | ug/L | | 87 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 25.5 | | ug/L | | 80 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 27.1 | | ug/L | | 85 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *80* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *94* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *88* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* |

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 240-376426/1-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ND | | 200 | 47 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Antimony | ND | | 20 | 7.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Arsenic | ND | | 15 | 4.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Barium | ND | | 200 | 1.3 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Beryllium | ND | | 5.0 | 0.60 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Cadmium | ND | | 5.0 | 0.20 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Calcium | ND | | 5000 | 310 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Chromium | 1.33 | J | 10 | 0.63 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Cobalt | ND | | 10 | 0.75 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Copper | ND | | 25 | 3.5 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Iron | ND | | 200 | 26 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Lead | ND | | 10 | 2.8 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Magnesium | ND | | 5000 | 780 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Manganese | ND | | 15 | 2.1 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Nickel | ND | | 40 | 2.2 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Potassium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Selenium | ND | | 20 | 6.0 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Silver | ND | | 10 | 0.62 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Sodium | ND | | 5000 | 560 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Thallium | ND | | 20 | 2.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Vanadium | ND | | 50 | 5.6 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |
| Zinc | ND | | 50 | 9.7 | ug/L | | 04/15/19 14:00 | 04/16/19 15:39 | 1 |

**Lab Sample ID: LCS 240-376426/2-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 2000 | 2090 | | ug/L | | 105 | 80 - 120 |
| Antimony | 500 | 520 | | ug/L | | 104 | 80 - 120 |
| Arsenic | 2000 | 2020 | | ug/L | | 101 | 80 - 120 |
| Barium | 2000 | 1950 | | ug/L | | 97 | 80 - 120 |
| Beryllium | 50.0 | 54.6 | | ug/L | | 109 | 80 - 120 |
| Cadmium | 50.0 | 50.7 | | ug/L | | 101 | 80 - 120 |
| Calcium | 50000 | 49300 | | ug/L | | 99 | 80 - 120 |
| Chromium | 200 | 189 | | ug/L | | 95 | 80 - 120 |
| Cobalt | 500 | 491 | | ug/L | | 98 | 80 - 120 |
| Copper | 250 | 248 | | ug/L | | 99 | 80 - 120 |
| Iron | 1000 | 979 | | ug/L | | 98 | 80 - 120 |
| Lead | 500 | 473 | | ug/L | | 95 | 80 - 120 |
| Magnesium | 50000 | 50400 | | ug/L | | 101 | 80 - 120 |
| Manganese | 500 | 519 | | ug/L | | 104 | 80 - 120 |
| Nickel | 500 | 497 | | ug/L | | 99 | 80 - 120 |
| Potassium | 50000 | 49500 | | ug/L | | 99 | 80 - 120 |
| Selenium | 2000 | 2050 | | ug/L | | 103 | 80 - 120 |
| Silver | 50.0 | 51.8 | | ug/L | | 104 | 80 - 120 |
| Sodium | 50000 | 50400 | | ug/L | | 101 | 80 - 120 |
| Thallium | 2000 | 1890 | | ug/L | | 94 | 80 - 120 |
| Vanadium | 500 | 472 | | ug/L | | 94 | 80 - 120 |

## Method: 6010C - Metals (ICP) (Continued)

**Lab Sample ID: LCS 240-376426/2-A**
**Matrix: Water**
**Analysis Batch: 376844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 376426**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Zinc | 500 | 507 | | ug/L | | 101 | 80 - 120 |

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 240-376428/1-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | | 0.20 | 0.13 | ug/L | | 04/15/19 12:00 | 04/16/19 11:54 | 1 |

**Lab Sample ID: LCS 240-376428/26-A**
**Matrix: Water**
**Analysis Batch: 376847**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376428**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 5.00 | 4.76 | | ug/L | | 95 | 80 - 120 |

## Method: 9012B - Cyanide, Total andor Amenable

**Lab Sample ID: MB 240-377843/1-A**
**Matrix: Water**
**Analysis Batch: 377875**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 377843**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | ND | | 0.010 | 0.0060 | mg/L | | 04/23/19 13:13 | 04/23/19 14:00 | 1 |

**Lab Sample ID: LCS 240-377843/2-A**
**Matrix: Water**
**Analysis Batch: 377875**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377843**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.194 | 0.215 | | mg/L | | 111 | 59 - 129 |

# QC Association Summary

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

Job ID: 240-110890-1

## GC/MS VOA

### Analysis Batch: 377675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 8260C | |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 8260C | |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 8260C | |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 8260C | |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 8260C | |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 8260C | |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 8260C | |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 8260C | |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 8260C | |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 8260C | |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 8260C | |
| MB 240-377675/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377675/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 240-110890-8 MS | GW-041219-NK-071 | Total/NA | Water | 8260C | |
| 240-110890-8 MSD | GW-041219-NK-071 | Total/NA | Water | 8260C | |

### Analysis Batch: 377892

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 8260C | |
| 240-110890-11 | TRIP BLANK | Total/NA | Water | 8260C | |
| MB 240-377892/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377892/5 | Lab Control Sample | Total/NA | Water | 8260C | |

### Analysis Batch: 378327

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 8260C | |
| MB 240-378327/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-378327/5 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376909

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 3510C | |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 3510C | |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 3510C | |
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 3510C | |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 3510C | |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 3510C | |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 3510C | |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 3510C | |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 3510C | |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 3510C | |
| MB 240-376909/20-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376909/21-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Analysis Batch: 377282

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 8270D | 376909 |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 8270D | 376909 |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 8270D | 376909 |

## GC/MS Semi VOA (Continued)

### Analysis Batch: 377282 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 8270D | 376909 |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 8270D | 376909 |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 8270D | 376909 |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 8270D | 376909 |
| MB 240-376909/20-A | Method Blank | Total/NA | Water | 8270D | 376909 |
| LCS 240-376909/21-A | Lab Control Sample | Total/NA | Water | 8270D | 376909 |

### Analysis Batch: 377488

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 8270D | 376909 |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 8270D | 376909 |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 8270D | 376909 |

## Metals

### Prep Batch: 376426

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total Recoverable | Water | 3005A | |
| 240-110890-2 | GW-041219-NK-065 | Total Recoverable | Water | 3005A | |
| 240-110890-3 | GW-041219-NK-066 | Total Recoverable | Water | 3005A | |
| 240-110890-4 | GW-041219-NK-067 | Total Recoverable | Water | 3005A | |
| 240-110890-5 | GW-041219-NK-068 | Total Recoverable | Water | 3005A | |
| 240-110890-6 | GW-041219-NK-069 | Total Recoverable | Water | 3005A | |
| 240-110890-7 | GW-041219-NK-070 | Total Recoverable | Water | 3005A | |
| 240-110890-8 | GW-041219-NK-071 | Total Recoverable | Water | 3005A | |
| 240-110890-9 | GW-041219-NK-072 | Total Recoverable | Water | 3005A | |
| 240-110890-10 | RB-041219-NK-073 | Total Recoverable | Water | 3005A | |
| MB 240-376426/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 240-376426/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |

### Prep Batch: 376428

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 7470A | |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 7470A | |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 7470A | |
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 7470A | |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 7470A | |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 7470A | |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 7470A | |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 7470A | |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 7470A | |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 7470A | |
| MB 240-376428/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 240-376428/26-A | Lab Control Sample | Total/NA | Water | 7470A | |

### Analysis Batch: 376844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-2 | GW-041219-NK-065 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-3 | GW-041219-NK-066 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-4 | GW-041219-NK-067 | Total Recoverable | Water | 6010C | 376426 |

## Metals (Continued)

### Analysis Batch: 376844 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-5 | GW-041219-NK-068 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-6 | GW-041219-NK-069 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-7 | GW-041219-NK-070 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-8 | GW-041219-NK-071 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-9 | GW-041219-NK-072 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-10 | RB-041219-NK-073 | Total Recoverable | Water | 6010C | 376426 |
| MB 240-376426/1-A | Method Blank | Total Recoverable | Water | 6010C | 376426 |
| LCS 240-376426/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 376426 |

### Analysis Batch: 376847

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 7470A | 376428 |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 7470A | 376428 |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 7470A | 376428 |
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 7470A | 376428 |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 7470A | 376428 |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 7470A | 376428 |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 7470A | 376428 |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 7470A | 376428 |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 7470A | 376428 |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 7470A | 376428 |
| MB 240-376428/1-A | Method Blank | Total/NA | Water | 7470A | 376428 |
| LCS 240-376428/26-A | Lab Control Sample | Total/NA | Water | 7470A | 376428 |

### Analysis Batch: 376929

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-5 | GW-041219-NK-068 | Total Recoverable | Water | 6010C | 376426 |
| 240-110890-7 | GW-041219-NK-070 | Total Recoverable | Water | 6010C | 376426 |

## General Chemistry

### Prep Batch: 377843

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 9012B | |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 9012B | |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 9012B | |
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 9012B | |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 9012B | |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 9012B | |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 9012B | |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 9012B | |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 9012B | |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 9012B | |
| MB 240-377843/1-A | Method Blank | Total/NA | Water | 9012B | |
| LCS 240-377843/2-A | Lab Control Sample | Total/NA | Water | 9012B | |

### Analysis Batch: 377875

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-1 | GW-041219-NK-064 | Total/NA | Water | 9012B | 377843 |
| 240-110890-2 | GW-041219-NK-065 | Total/NA | Water | 9012B | 377843 |
| 240-110890-3 | GW-041219-NK-066 | Total/NA | Water | 9012B | 377843 |

## General Chemistry (Continued)

### Analysis Batch: 377875 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110890-4 | GW-041219-NK-067 | Total/NA | Water | 9012B | 377843 |
| 240-110890-5 | GW-041219-NK-068 | Total/NA | Water | 9012B | 377843 |
| 240-110890-6 | GW-041219-NK-069 | Total/NA | Water | 9012B | 377843 |
| 240-110890-7 | GW-041219-NK-070 | Total/NA | Water | 9012B | 377843 |
| 240-110890-8 | GW-041219-NK-071 | Total/NA | Water | 9012B | 377843 |
| 240-110890-9 | GW-041219-NK-072 | Total/NA | Water | 9012B | 377843 |
| 240-110890-10 | RB-041219-NK-073 | Total/NA | Water | 9012B | 377843 |
| MB 240-377843/1-A | Method Blank | Total/NA | Water | 9012B | 377843 |
| LCS 240-377843/2-A | Lab Control Sample | Total/NA | Water | 9012B | 377843 |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041219-NK-064
**Lab Sample ID: 240-110890-1**
**Date Collected: 04/12/19 08:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 22:32 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 14:44 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:34 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:28 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:03 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-065
**Lab Sample ID: 240-110890-2**
**Date Collected: 04/12/19 08:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 22:54 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 15:08 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:39 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:30 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:04 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-066
**Lab Sample ID: 240-110890-3**
**Date Collected: 04/12/19 09:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/22/19 23:16 | TJL1 | TAL CAN |
| Total/NA | Analysis | 8260C | | 2 | 378327 | 04/25/19 20:37 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 15:32 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:43 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:32 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:06 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-067
**Lab Sample ID: 240-110890-4**
**Date Collected: 04/12/19 09:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377892 | 04/23/19 20:19 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 15:57 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:47 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:34 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:08 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-068
**Lab Sample ID: 240-110890-5**
**Date Collected: 04/12/19 09:40**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/23/19 00:00 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 16:21 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:07 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:52 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:36 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:09 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-069
**Lab Sample ID: 240-110890-6**
**Date Collected: 04/12/19 10:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/23/19 00:23 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 16:45 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 16:56 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:38 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:11 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: GW-041219-NK-070
**Lab Sample ID: 240-110890-7**
**Date Collected: 04/12/19 10:15**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/23/19 00:45 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377282 | 04/19/19 17:10 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 2 | 376929 | 04/17/19 23:12 | WKD | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 17:09 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:41 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:13 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-071
**Lab Sample ID: 240-110890-8**
**Date Collected: 04/12/19 10:30**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 10 | 377675 | 04/23/19 01:07 | TJL1 | TAL CAN |
| Total/NA | Analysis | 8260C | | 100 | 377675 | 04/23/19 01:29 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 10:28 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 17:13 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:43 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:18 | MAC | TAL CAN |

## Client Sample ID: GW-041219-NK-072
**Lab Sample ID: 240-110890-9**
**Date Collected: 04/12/19 10:50**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1.25 | 377675 | 04/23/19 01:51 | TJL1 | TAL CAN |
| Total/NA | Analysis | 8260C | | 12.5 | 377675 | 04/23/19 02:14 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 08:51 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 17:17 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:45 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:20 | MAC | TAL CAN |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

## Client Sample ID: RB-041219-NK-073
## Lab Sample ID: 240-110890-10

**Date Collected: 04/12/19 11:45**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377675 | 04/23/19 02:36 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376909 | 04/17/19 10:35 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377488 | 04/22/19 09:15 | TMH | TAL CAN |
| Total Recoverable | Prep | 3005A | | | 376426 | 04/15/19 14:00 | MBB | TAL CAN |
| Total Recoverable | Analysis | 6010C | | 1 | 376844 | 04/16/19 17:21 | WKD | TAL CAN |
| Total/NA | Prep | 7470A | | | 376428 | 04/15/19 12:00 | MBB | TAL CAN |
| Total/NA | Analysis | 7470A | | 1 | 376847 | 04/16/19 12:51 | SEM | TAL CAN |
| Total/NA | Prep | 9012B | | | 377843 | 04/23/19 13:13 | MAC | TAL CAN |
| Total/NA | Analysis | 9012B | | 1 | 377875 | 04/23/19 14:22 | MAC | TAL CAN |

## Client Sample ID: TRIP BLANK
## Lab Sample ID: 240-110890-11

**Date Collected: 04/12/19 00:00**
**Matrix: Water**
**Date Received: 04/12/19 13:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377892 | 04/23/19 20:41 | TJL1 | TAL CAN |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110890-1
Project/Site: Summit National Superfund Site-GW

## Laboratory: Eurofins TestAmerica, Canton

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

5.2/C5.0 4.0/C3.8
5.4/C5.2 3.6/C3.4

# Chain of Custody Record

320892

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/12/19 | COC No: 320892 |
|---|---|---|---|---|
| Company Name: FAGON + ASSOCIATES, INC | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK OWSLEY | Carrier: HAND DELIVERED | 1 of 2 COCs |
| Address: 100 W OLD WILSON BRIDGE RD, STE 315 | Analysis Turnaround Time | | | Sampler: NK, CK |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below ____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL | ☐ 1 week | | | |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | Job / SDG No.: |
| PO # — | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | TAL METALS | CYANIDE | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-041219-NK-064 | 4/12/19 | 0815 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-065 | 4/12/19 | 0840 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-066 | 4/12/19 | 0900 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-067 | 4/12/19 | 0915 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-068 | 4/12/19 | 0940 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-069 | 4/12/19 | 1000 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-070 | 4/12/19 | 1015 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-071 | 4/12/19 | 1030 | G | GW | 7 | N | N | X | X | X | X | |
| GW-041219-NK-072 | 4/12/19 | 1050 | G | GW | 7 | N | N | X | X | X | X | |
| RB-041219-NK-073 | 4/12/19 | 1145 | G | GW | 7 | N | N | X | X | X | X | |
| | | | | | | | | | | | | |
| TRIP BLANK | — | — | — | W | 2 | N | N | X | | | | |

240-110890 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ZN ACETATE — 1,2 | 1 | 1,4 | 1,5,6

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

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

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

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

**Special Instructions/QC Requirements & Comments:**

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

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NIK A KARON / [signature] | FAGON + ASSOC. | 4/12/19 @ 1945 | [signature] | JA | 4-12-19 1945 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # :** 110890
**Canton Facility**

Client Eagon + Associates Site Name _____ Cooler unpacked by: DsD

Cooler Received on 04/12/19 Opened on 04/12/19

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

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

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____ | Yes (No) | |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes No (NA) | |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes (No) | |
| -Were tamper/custody seals intact and uncompromised? | Yes No (NA) | |
| 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 all preserved sample(s) at the correct pH upon receipt? | (Yes) No NA | pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | (Yes) No | |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes (No) NA | |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ | Yes (No) | |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes (No) | |

**Tests that are not checked for pH by Receiving:**
**VOAs**
**Oil and Grease**
**TOC**

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

Concerning _____

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

Did not receive 2 Trip Blanks for job listed on COC. Received Trip Blanks with other job sent in - P.M. said to log them for this Sample event will log last.

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110890

| TestAmerica Canton Sample Receipt Multiple Cooler Form | | | | |
|---|---|---|---|---|
| Cooler Description (Circle) | IR Gun # (Circle) | Observed Temp °C | Corrected Temp °C | Coolant (Circle) |
| TA Client Box Other | IR-8 #36 | 5.2 | 5.0 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 5.4 | 5.2 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 4.0 | 3.8 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | 3.6 | 3.4 | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| | | | | ☐ See Temperature Excursion Form |

# Login Container Summary Report



Temperature readings: _____

| Client Sample ID | Lab ID | Container Type | Container pH | Preservative Added (mls) | Lot # |
|---|---|---|---|---|---|
| GW-041219-NK-064 | 240-110890-D-1 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-064 | 240-110890-G-1 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-065 | 240-110890-D-2 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-065 | 240-110890-G-2 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-066 | 240-110890-D-3 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-066 | 240-110890-G-3 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-067 | 240-110890-D-4 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-067 | 240-110890-G-4 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-068 | 240-110890-D-5 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-068 | 240-110890-G-5 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-069 | 240-110890-D-6 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-069 | 240-110890-G-6 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-070 | 240-110890-D-7 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-070 | 240-110890-G-7 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-071 | 240-110890-D-8 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-071 | 240-110890-G-8 | Plastic 500ml - with Nitric Acid | <2 | | |
| GW-041219-NK-072 | 240-110890-D-9 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| GW-041219-NK-072 | 240-110890-G-9 | Plastic 500ml - with Nitric Acid | <2 | | |
| RB-041219-NK-073 | 240-110890-D-10 | Plastic 250ml - with Sodium Hydrox | >12 | | |
| RB-041219-NK-073 | 240-110890-G-10 | Plastic 500ml - with Nitric Acid | <2 | | |

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-4

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 13:15 | 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) | 1091.09 | Depth to Water (DTW) (from TOC) (ft) | 5.68 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1085.41 |
| Total Well Depth (from TOC) (ft) | 24.57 | Water Column Height (well depth - DTW) (ft) | 18.89 | 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: X — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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 10 19 | 08:27 | 01:09 | 1.24 | 2.85 | 2.3 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 08:25 | 5.62 | | | | | | |
| 08:27 | START | 1.00 | — | — | — | — | — |
| 08:52 | — | 1.25 | 6.61 | 2080 | 9.1 | — | — |
| 09:26 | — | 2.50 | 6.76 | 2120 | 9.9 | — | — |
| 09:36 | DRY | 2.85 | — | — | — | — | — |
| | | | | | | | |
| 4/10/19 | SAMPLE | — | — | — | — | — | — |
| 14:00 | 6.43 | 2.85 | 6.77 | 2040 | 9.7 | 7.82 | — |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 14:00 | 2.85 | 6.77 | 2040 | 9.7 | 7.82 | — |

## FIELD COMMENTS

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

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

**Specific Comments** (including purge/well volume calculations if required):
24.57' - 5.62' =
18.89' x 0.656 =
12.4 GAL x 3 =
37.2 GAL

Samples collected:
3-40mL vials (TCL, VOCS); 1-500mL P (Tal metals); 2-250mL amber glass (TCL, SVOCS)
1-250mL P (Cyanide)
~~Samples collected~~ (Cmk)
~~SSIPL VOCs (3-4mL Vials)~~ (Cmk)

Sample ID:
GW-041019-NK-037

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Nick A Karow | [signature] | Eagon & Assoc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-11

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date** (MM DD YY) | 04/08/19 | **Water-Level Time** (2400 Hr. Clock) | 1035 | **Purge/Sample Method:** (LF) 3-5V | X = Other; LF = Low Flow; P = Passive; Dry = Dry; ~~3-5~~ = 3-5 well vols. |
| **Well Elevation (at TOC)** (ft/msl) | 1095.93 | **Depth to Water (DTW) (from TOC)** (ft) | 8.81 | **Groundwater Elevation (site datum, from TOC)** (ft/msl) | 1087.12 |
| **Total Well Depth (from TOC)** (ft) | 26.40 | **Water Column Height (well depth - DTW)** (ft) | 17.59 | **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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 04/11/19 | 1632 | 00:14 | 2.9 | 1.20 | 4.14 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged ( L : Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1630 | 8.97 | | | | | | |
| 1632 | START | 0.0 | | | | | |
| 1636 | | 3.0 | 6.39 | 1.596 | 10.3 | | |
| 1639 | | 6.0 | 6.58 | 1.334 | 9.2 | | |
| 1643 | | 9.0 | 6.61 | 1.314 | 9.0 | | |
| 1646 | | 12.0 | 6.61 | 1.300 | 9.0 | 4.63 | |
| | | | | | | | |
| 4/12/19 | SAMPLE | | | | | | |
| 0915 | 9.03 | 12.0 | 6.88 | 1.591 | 8.0 | 13.10 | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/12/19 | 0915 | 12.0 | 6.88 | 1591 | 8.0 | | |

**Sample Appearance:** Clear - slightly cloudy **Odor:** None **Color:** None **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-10 mph from SW **Air Temp:** ~60°F **Precipitation:** Y or (N)

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

## FIELD COMMENTS

26.40' - 8.97' = 17.43' x 0.164 = 2.9 gal — 3-40mL vials (TCL, VOCs); 1-500 mL P (TAL metals);

2.9 gal x 3 = 8.7 gal — 2-250 mL Amberglass (TCL, SVOCs); 1-250 mL P (Cyanide)

Sample ID #'s — ~~Samples Collected~~ (CMK) (CMK)

GW-041219-NK-067 — ~~SSIPL VOCs (3-40mL vials)~~

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nick A Eagon | | Eagon & Associates, Inc. |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-101

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date** (MM DD YY) | 01 04 19 | **Water-Level Time** (2400 Hr. Clock) | 1510 | **Purge/Sample Method:** (NDW) DRY | X = Other |
| **Well Elevation (at TOC)** (ft/msl) | 1107.57 | **Depth to Water (DTW) (from TOC)** (ft) | 8.04 | **Groundwater Elevation (site datum, from TOC)** (ft/msl) | 1099.53 |
| **Total Well Depth (from TOC)** (ft) | 24.28 | **Water Column Height (well depth - DTW)** (ft) | 16.24 | **Casing ID** (in) | 02 |

LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.

## PURGE/SAMPLE EQUIPMENT

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

Purging Device: D

Sampling Device: D

X-Other: X-FOOT VALVE / 1/2" TUBING

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

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

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 01 04 19 | 1615 | 0020 | 27 | 90 | 3.3 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L/Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1510 | 8.04 | | | | | | |
| 1610 | START | 610 | | | | | |
| 1618 | | 1310 | 6.08 | 1633 | 10.9 | | |
| 1625 | | 1610 | 6.08 | 1653 | 11.3 | | |
| 1631 | | 1910 | 6.05 | 1659 | 11.7 | 139.6 | |
| 4/9/19 | SAMPLE | | | | | | |
| 1635 | 7.82 | 1910 | 5.67 | 1661 | 10.5 | 118.4 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 09 19 | 1635 | 90 | 5.67 | 1661 | 10.5 | 118.4 | |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-10mph W-SW **Air Temp:** ~65°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): 24.28' - 8.04' = 16.24' x 0.164 = 2.7 GAL x 3 = 8.1 GAL

Samples collected:

Sample ID: GW-040919-NK-017

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 (NDW) mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 (NDW) mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Nick A Kraus | | Eaton & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National.

**Sample Point:** MW-102

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1422 | Purge/Sample Method: | ~~3-5~~ V X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. |
| Well Elevation (at TOC) (ft/msl) | 110017 | Depth to Water (DTW) (from TOC) (ft) | 353 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 109664 |
| Total Well Depth (from TOC) (ft) | 2115 | Water Column Height (well depth - DTW) (ft) | 1762 | 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: D — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 040819 | 1832 | 0012 | 29 | 90 | 310 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L : Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1830 | 353 | | | | | | |
| 1832 | START ~~1762~~ AB | 00 | | | | | |
| 1836 | | 30 | 446 | 1975 | 111 | | |
| 1840 | | 60 | 454 | 2020 | 110 | | |
| 1844 | | 90 | 451 | 2020 | 111 | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 1510 | 346 | 90 | 423 | 1571 | 103 | 35.8 | |
| | | | | | | | |
| | | | | | | | |

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

**FIELD DATA**

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L : Gals) *circle one* | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (¡C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1510 | 90 | 423 | 1571 | 103 | 35.8 | |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph FROM ST Air Temp: ~60°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 21.15'-3.53'=17.62' x 0.164 = 2.9 gal x 3 = 8.7 gal AB

Samples collected:

Sample ID: GW-040919-NK-009

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) NW

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Nick A Karow | [signature] | Fagon & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-103

## WELL DATA

- **Water-Level Date:** 04/08/19 (MM DD YY)
- **Water-Level Time:** 14:10 (2400 Hr. Clock)
- **Purge/Sample Method:** ~~3-5~~ NAV (LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other)
- **Well Elevation (at TOC):** 1096.22 (ft/msl)
- **Depth to Water (DTW) (from TOC):** 12.02 (ft)
- **Groundwater Elevation (site datum, from TOC):** 1094.20 (ft/msl)
- **Total Well Depth (from TOC):** 210.10 (ft)
- **Water Column Height (well depth - DTW):** 198.08 (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: D
- Sampling Device: D
- 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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/11/19 | 10:38 | 00:09 | 30 | 90 | 3 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged ( L: Gals ) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 10:29 | 12.09 | | | | | | |
| 10:38 | START | 10.0 | | | | | |
| 10:41 | | 13.0 | 6.54 | 1.58.6 | 8.6 | | |
| 10:44 | | 16.0 | 6.6.4 | 1.57.1 | 8.5 | | |
| 10:47 | | 19.0 | 6.6.5 | 1.56.2 | 8.6 | 1.1.5 | |
| + (AB): | | | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 14:20 | 12.12 | 19.0 | 6.4.9 | 1.5.0.0 | 9.7 | 6.0.4 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 14:20 | 9.0 | 6.4.9 | 1.5.0.0 | 9.7 | 6.0.4 | |

**Sample Appearance:** cloudy **Odor:** none **Color:** orange **Other:** —

**Weather Conditions** (at sample time): **Wind Speed/Direction:** 5-10 mph from NE **Air Temp:** 60°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): 20.10' - 2.09' = 18.01' x 0.164 = 3.0 GAL x 3 = 9.0 GAL

## FIELD COMMENTS

Samples collected:

Sample ID: AB-062 — 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

GW-041119-~~AB~~-060 (AB) (AB) — 2 ~~-950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Nick A Karow / Andrew Pachowsky | Andrew Pachowsky | Eaton + Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client/PINK - Field Copy

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-104

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1123 | 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) | 1099.81 | Depth to Water (DTW) (from TOC) (ft) | 11.75 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1087.06 |
| Total Well Depth (from TOC) (ft) | 29.95 | Water Column Height (well depth - DTW) (ft) | 18.20 | 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: D — Sampling Device: D

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/10/19 | 1109 | 0036 | 30 | 150 | 50 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1058 | 11.84 | | | | | | |
| 1109 | START | 10 | | | | | |
| 1116 | | 30 | 6.48 | 2.701 | 8.3 | | |
| 1125 | | 60 | 6.39 | 3.781 | 9.0 | | |
| 1132 | | 90 | 6.39 | 3.991 | 9.0 | | |
| 1137 | | 120 | 6.39 | 4.012 | 9.0 | | |
| 1145 | | 150 | 6.32 | 4.011 | 9.3 | 1.02 | |
| | | | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 0815 | 11.91 | 150 | 6.30 | 3.890 | 7.6 | 2.53 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 0815 | 150 | 6.30 | 3.890 | 7.6 | 2.53 | — |

**FIELD COMMENTS**

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from NE Air Temp: ~40° F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): 29.95' - 11.84' = 18.11' x 0.164 = 3.0 gal x 3 = 9.0 gal

Samples collected:

Sample ID

GW-041119-AB-032

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-250 mL Amber Glass (TCL, SVOCs); 1-60 mL (Cyanide) 250 (NP)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Bardhorsky | Andrew Bardhorsky | Eargon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-105

## WELL DATA

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 1120 (2400 Hr. Clock)

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

Well Elevation (at TOC): 110132 (ft/msl)

Depth to Water (DTW) (from TOC): 1353 (ft)

Groundwater Elevation (site datum, from TOC): 108779 (ft/msl)

Total Well Depth (from TOC): 2911 (ft)

Water Column Height (well depth - DTW): 1558 (ft)

Casing ID: 02 (in)

## PURGE/SAMPLE EQUIPMENT

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

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

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

Sampling Device: D

Pump Type (Vol): ____ (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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 041019 | 0822 | 0014 | 26 | 78 | 30 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L; Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0820 | 1363 | 00 | | | | | |
| 0822 | START | 26 | 583 | 3240 | 106 | | |
| 0829 | | 52 | 578 | 3270 | 109 | | |
| 0832 | | 78 | 579 | 3270 | 110 | 940 | |
| 0836 | | | | | | | |
| 1019 | SAMPLE | | | | | | |
| 1715 | 1369 | 78 | 399 | 2430 | 102 | 1165 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041019 | 1715 | 78 | 399 | 2430 | 102 | 1165 | |

## FIELD COMMENTS

Sample Appearance: cloudy Odor: none Color: orange Other: —

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

Specific Comments (including purge/well volume calculations if required): 29.11' - 13.63' = 15.48' x 0.164 = 2.6 gal x 3 = 7.8 gal

Samples collected:

| Sample ID | |
|---|---|
| GW-041019-AB-026 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals) |
| | 2-950 mL Amber Glass (TCL, SVOCs); 1-60mL (Cyanide) |

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Andrew Barchowsky | Andrew Barchowsky | Eagon & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National  13:12  **Sample Point:** MW-106

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | ~~1439~~ AB | Purge/Sample Method: | ~~3-5V~~ (TB) X = Other; LF = Low Flow P = Passive Dry = Dry ~~3-5~~ V = 3-5 well vols. |
| Well Elevation (at TOC) (ft/msl) | 110288 | Depth to Water (DTW) (from TOC) (ft) | 1439 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 108849 |
| Total Well Depth (from TOC) (ft) | 3501 | Water Column Height (well depth - DTW) (ft) | 2062 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 041019 | 1844 | 0024 | 34 | 105 | 3.1 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1830 | 1450 | | | | | | |
| 1844 | START | 00 | | | | | |
| 1850 | | 35 | 603 | 2130 | 104 | | |
| 1859 | | 70 | 606 | 2170 | 102 | | |
| 1908 | | 105 | 604 | 2180 | 100 | 660 | |
| | | | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 1210 | 1449 | 105 | 683 | 2040 | 109 | 452 | |
| | | | | ~~2040~~ (AB) | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041~~0~~119 (TB) | 1210 | 105 | 683 | 2040 | 109 | 452 | |

**FIELD COMMENTS**

**Sample Appearance:** clear → cloudy  Odor: none  Color: orange  Other: ___

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-10 mph from NW  Air Temp: ___  Precipitation: Y or N (circled)

**Specific Comments** (including purge/well volume calculations if required): 35.01' - 14.50' = 20.~~15~~ 51' (AB) x 0.164 = 3.4 gal
3.4 x 3 = 10.2 gal

Samples collected:

Sample ID: GW-041119-AB-054

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)
2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) (NAW)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Bardrowsky | Andrew Bardrowsky | EAGON + ASSOC |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National | Sample Point: MW-107

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY) | Water-Level Time: 13:45 (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): 10.22 (ft) | Groundwater Elevation (site datum, from TOC): 1088.05 (ft/msl)

Total Well Depth (from TOC): 31.00 (ft) | Water Column Height (well depth - DTW): 20.78 (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): X — A-3/8 inch (22 ml/ft); B-1/4 inch (10 ml/ft); C-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/11/19 | 18:11 | 00:15 | 3.6 | 12.0 | 3.3 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged ( L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 18:10 | 19.35 | | | | | | |
| 18:11 | START | 10.0 | | | | | |
| 18:16 | | 14.0 | 6.87 | 1169.3 | 10.8 | | |
| 18:20 | | 18.0 | 6.89 | 1172.1 | 10.9 | | |
| 18:26 | | 11.2.0 | 6.91 | 1175.6 | 11.0 | 8.76 | |
| | | | | | | | |
| 4/12/19 | SAMPLE | | | | | | |
| 10:30 | 19.36 | 11.2.0 | 6.98 | 1176.1 | 10.3 | 1.85 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/12/19 | 10:30 | 12.0 | 6.98 | 1176.1 | 10.3 | 1.85 | + |

**FIELD COMMENTS**

Sample Appearance: Clear-grey, flecks blk | Odor: Strong Stale | Color: Lt grey | Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from SW? | Air Temp: ~55°F | Precipitation: Y or N

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

31.00' - 9.35' = 21.65' x 0.164 = 3.6 GAL x 3 = 10.8 GAL

3-40mL Vials (TCL, VOCs); 1-500mL P (TAL metals)

2-250mL Amberglass (TCL, SVOC's);

1-250mL P (Cyanide)

Sample ID #'s

EW-041219-NK-071

~~Samples Collected~~ (CMK) (CMK)

SSIPL VOCs (3-40mL Vials)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nzen A Karow | | Eaton & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-108

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 14:11 | Purge/Sample Method: (Ag) ~~3-5V~~ X = Other; LF = Low Flow P = Passive Dry = Dry ✓ ~~3-5~~ = 3-5 well vols. | |
| Well Elevation (at TOC) (ft/msl) | 1091.96 | Depth to Water (DTW) (from TOC) (ft) | 5.11 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1086.85 |
| Total Well Depth (from TOC) (ft) | 18.43 | Water Column Height (well depth - DTW) (ft) | 13.32 | Casing ID (in) | 02 |

## PURGE/SAMPLE EQUIPMENT

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

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

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

Sampling Device: D

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

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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 11 19 | 17:06 | 00:25 | 22 | 12.5 | 5.68 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 17:04 | 5.27 | | | | | | |
| 17:06 | START | 0.0 | — | — | — | — | — |
| 17:11 | — | 2.5 | 6.49 | 1375 | 10.7 | — | — |
| 17:16 | — | 5.0 | 6.66 | 1397 | 9.5 | — | — |
| 17:21 | — | 7.5 | 6.73 | 1435 | 9.5 | — | — |
| 17:26 | — | 10.0 | 6.72 | 1467 | 9.5 | — | — |
| 17:31 | — | 12.5 | 6.75 | 1487 | 9.6 | 9.10 | — |
| | | | | | | | |
| 4/12/19 | SAMPLE | — | — | — | — | — | — |
| 10:50 | 5.38 | 12.5 | 6.84 | 1367 | 10.0 | 46.4 | — |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 12 19 | 10:50 | 12.5 | 6.84 | | 10.0 | 46.4 | — |

## FIELD COMMENTS

**Sample Appearance:** Cloudy **Odor:** Slight Stale **Color:** orange - Dark orange **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph From SW ↗ Air Temp: ~55°F Precipitation: Y or N

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

18.43' - 5.27' = 13.16' x 0.164 = 2.2 gal 3-40 mL (Vials-TCL, VOCS); 1-500 mL P (TAL metals);

2.2 gal x 3 = 6.6 gal 2-250 mL Amber glass (TCL, SVOCS); 1-250 mL P (Cyanide)

Sample I.D. # ~~Sample Collected~~ (CMK)

GW-041219-NK-072 ~~SS IPL VOCs (3-40 mL Vials~~ (CMK)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Neel A Karow | [signature] | Fagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National | **Sample Point:** MW-109

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date** (MM DD YY) | 04/08/19 | **Water-Level Time** (2400 Hr. Clock) | 1328 | **Purge/Sample Method:** (X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.) | DRY |
| **Well Elevation (at TOC)** (ft/msl) | 1087.42 | **Depth to Water (DTW) (from TOC)** (ft) | 29.0 | **Groundwater Elevation (site datum, from TOC)** (ft/msl) | 1058.42 |
| **Total Well Depth (from TOC)** (ft) | 106.7 | **Water Column Height (well depth - DTW)** (ft) | 77.7 | **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-1/8 inch (2.4 ml/ft); X -Other

X-Other: X- 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) |
|---|---|---|---|---|---|
| 04/10/19 | 1537 | 0017 | 13 | 36 | 277 (DRY) |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1535 (AA) | 31.11 | START | | | | | |
| 1537 (BB) | | 010 | | | | | |
| 1544 | | 15 | 6.42 | 2.311.0 | 17.3 | | |
| 1549 | | 30 | 6.44 | 2.312.0 | 17.2 | | |
| 1554 | DRY | 36 | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 1055 | 31.21.5 (BB) | 36 | 6.45 | 2.312.0 | 17.7 | 2.6.8 | |

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

## FIELD DATA

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L: Gals) circle one | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (°C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1055 | 36 | 6.45 | 2.312.0 | 17.7 | 2.6.8 | |

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

**Weather Conditions** (at sample time): **Wind Speed/Direction:** calm **Air Temp:** 50°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): 10.67' - 3.11' = 7.56' x 0.164 = 1.3 gal x 3 = 3.9 gal

## FIELD COMMENTS

Samples collected:

Sample ID

GW-041119-AB-048

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950 mL~~ (CMK) 250 mL Amber Glass (TCL, SVOCs); 1-~~60mL~~ (CMK) 250mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4, 11, 19 | Andrew Bardlovsky | Andrew Bardlovsky | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-110

**WELL DATA**

| | | | |
|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 12:43 |
| 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) | 108687 | Depth to Water (DTW) (from TOC) (ft) | 5.50 |
| Groundwater Elevation (site datum, from TOC) (ft/msl) | ~~10~~ 108137 (CMK) | | |
| Total Well Depth (from TOC) (ft) | 15.04 | Water Column Height (well depth - DTW) (ft) | 9.54 |
| Casing ID (in) | 02 | | |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

Pump Type (Vol): — 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-1/8 inch (2.4 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 11 19 | 15:10 | 00:13 | 1.6 | 5.4 | 3.4 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1458 | 5.72 | | | | | | |
| 1510 | START | 0.0 | — | — | — | — | — |
| 1513 | — | 1.8 | 7.17 | 6.24 | 8.7 | — | — |
| 1517 | — | 3.6 | 7.28 | 6.35 | 8.4 | — | — |
| 1523 | — | 5.4 | 7.32 | 6.36 | 8.5 | 37.1 | — |
| | | | | | | | |
| 4/12/19 | SAMPLE | — | — | — | — | — | — |
| 0815 | 6.20 | 5.4 | 6.82 | 6.33 | 6.8 | 7.42 | — |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 12 19 | 08:15 | 5.4 | 6.82 | 6.33 | 6.8 | 7.42 | — |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph FROM SW ↗  Air Temp: ~60°F  Precipitation: ~~Y or N~~ (CMK)

**Specific Comments** (including purge/well volume calculations if required): 15.04' − 5.72' = 9.32' x 0.164 ~~= 1.53 x 3 = 4.6 Gallons~~ (CMK)
= 1.6 gals x 3 = 4.8 Gallons

Samples collected:

Sample ID: GW-041219-NK-064

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ CMK 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ CMK 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nick A Karon | [signature] | Eagon & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-111

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 11:01 | Purge/Sample Method: | ~~3-5~~ V (AB) 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) | 12.43 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 108724 |
| Total Well Depth (from TOC) (ft) | 29.34 | Water Column Height (well depth - DTW) (ft) | 16.91 | 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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 041119 | 1609 | 00:10 | 28 | 90 | 321 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1607 | 12.53 | | | | | | |
| 1609 | START | 0.0 | — | — | — | — | — |
| 1613 | — | 3.0 | 5.82 | 3070 | 12.1 | — | — |
| 1616 | — | 6.0 | 5.90 | 3070 | 11.7 | — | — |
| 1619 | — | 9.0 | 5.90 | 3080 | 11.6 | 2.06 | — |
| | SAMPLE | | | | | | |
| 4/11/19 | ~~START~~ (AB) | — | — | — | — | — | — |
| 0900 | 12.57 | 9.0 | 6.01 | 3050 | 11.2 | 80.6 | — |

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

## FIELD DATA

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L:Gals) *circle one* | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (¡C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 041119 | ~~1619~~ (AB) 09:00 | 9.0 | 6.01 | 3050 | 11.2 | 80.6 | — |

## FIELD COMMENTS

**Sample Appearance:** Cloudy **Odor:** None **Color:** Orange - Light orange **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph From SW ↗ Air Temp: ~55°F Precipitation: Y or N

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

29.34' - 12.53' = 16.81' x 0.164 = 2.8 gal — 3-40mL vials (TCL, VOCs); 1-500mL P (TAL metals)

2.8 gal x 3 = 8.4 gal — 2-250mL Amberglass (TCL, SVOCs); 1-250mL P (Cyanide)

Sample ID #: GW-041219-NK-66

~~Samples Collected~~ (CMK) (CMK)

~~SSIPL VOCs (3-40mL vials)~~

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nick A Karon | [signature] | Eagon & Associates, Inc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-113

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1018 | Purge/Sample Method: (X = Other; LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols.) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1088.46 | Depth to Water (DTW) (from TOC) (ft) | 4.65 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1083.81 |
| Total Well Depth (from TOC) (ft) | 16.46 | Water Column Height (well depth - DTW) (ft) | 11.81 | 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): 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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 040919 | 0806 | | 20 | | |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0805 | 4.69 | | | | | | |
| 0806 | START | 00 | | | | | |
| 0812 | | 20 | 7.17 | 3.414.10 | 8.0 | | |
| 0818 | | 40 | 7.15 | 3.412.0 | 8.5 | | |
| 0820 | DRY | 43 | | | | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 1332 | 5.01 | 43 | 6.87 | 3.640.0 | 8.8 | 5.62 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1332 | 43 | 6.87 | 3.640.0 | 8.8 | 5.62 | |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 10-20 mph from NW Air Temp: ~60° Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 16.46' - 4.69' = 11.77' x 0.164 = ~~2.0~~ 2.0 gal (AB) x 3 = 6.0 gal

Samples collected: 3-40mL Vials (TCL, VOCs); 1-500mL Plastic (TAL Metals)

2-250mL Amber glass (TCL, SVOCs); 1-250mL plastic (cyanide)

(AB)

Sample ID #'s

GW-040919-AB-002

~~Samples Collected~~

~~SSIPL VOCs (3-40mL Vials)~~

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Andrew Barchowsky | Andrew Barchowsky | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-114

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 15:00 | Purge/Sample Method: | 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. |
| Well Elevation (at TOC) | 109.727 (ft/msl) | Depth to Water (DTW) (from TOC) | 7.89 (ft) | Groundwater Elevation (site datum, from TOC) | 108.938 (ft/msl) |
| Total Well Depth (from TOC) | 21.39 (ft) | Water Column Height (well depth - DTW) | 13.50 (ft) | Casing ID | 02 (in) |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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 11 19 | 08:48 | 00:29 | 22 | 100 | 4.5 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 08:37 | 8.09 | | | | | | |
| 08:48 | START | 100 | — | — | — | — | — |
| 08:55 | — | 25 | 6.16 | 1801 | 8.1 | — | — |
| 09:02 | — | 50 | 6.04 | 1889 | 8.3 | — | — |
| 09:09 | — | 75 | 6.07 | 1906 | 8.5 | — | — |
| 09:17 | — | 100 | 6.12 | 1897 | 8.5 | 14.1 | — |
| | | | | | | | |
| 4/11/19 | SAMPLE | — | — | — | — | — | — |
| 13:37 | 8.20 | 100 | 6.21 | 1860 | 10.9 | 27.2 | — |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 11 19 | 13:37 | 100 | ~~6.12~~ 6.21 AB | ~~1897~~ 1860 AB | ~~6.5~~ 10.9 AB | 27.2 | — |

**FIELD COMMENTS**

**Sample Appearance:** clear **Odor:** none **Color:** slight orange tinge **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: calm Air Temp: 55°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 21.39' - 8.09' = 13.30' x 0.164 = 2.2 GAL x 3 = 6.6 GAL

SAMPLES COLLECTED = TCL VOC's (3-40 mL VIALS), TCL SVOC's (2-250 mL AMBER GLASS)

TAL METALS (1-500 mL P), CYANIDE (1-250 mL P)

Sample ID #'s ~~Samples collected~~

GW-041119-~~NK~~ AB-058 ~~SSIPL VOC's~~

AB

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | NICK A KARON | [signature] | EAGON + ASSOCIATES, INC |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW 115

**WELL DATA**

Water-Level Date: 04 08 19 (MM DD YY)

Water-Level Time: 14:23 (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): 110183 (ft/msl)

Depth to Water (DTW) (from TOC): 16.59 (ft)

Groundwater Elevation (site datum, from TOC): 108524 (ft/msl)

Total Well Depth (from TOC): 40.98 (ft)

Water Column Height (well depth - DTW): 24.39 (ft)

Casing ID: 02 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

Purging Device: X

Sampling Device: D

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

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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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 10 19 | 10:27 | 00:13 | 40 | 120 | 3 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 10:19 | 16.64 | | | | | | |
| 10:27 | START | 0.0 | | | | | |
| 10:32 | | 4.0 | 6.76 | 1933 | 11.5 | | |
| 10:35 | | 8.0 | 6.60 | 1888 | 11.5 | | |
| 10:40 | | 12.0 | 6.56 | 1875 | 11.5 | 19.4 | |
| | | | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 15:10 | 16.66 | 12.0 | 7.28 | 1531 | 11.9 | 52.7 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 15:10 | 12.0 | 7.28 | 1531 | 11.9 | 52.7 | |

**FIELD COMMENTS**

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

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

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

40.98' - 16.64' = 24.34' x 0.164 = 4.0 GAL x 3 = 12.0 GAL 3-40 mL VIALS (TCL, VOCS); 1-500 mL P (TAL metals)

2-250 mL Amberglass (TCL, SVOCS); 1-250 mL P (Cyanide)

Sample ID #'s

GW-041019-NK-043

~~Samples Collected~~ (CMK)

~~SSIPL VOC's (3-40 mL Vials)~~ (CMK)

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

Date: 4/10/19 Name: Nick A Karon Signature: [signature] Company: Eagon & Associates, Inc

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-116

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 14:52 | Purge/Sample Method: (LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1105.54 | Depth to Water (DTW) (from TOC) (ft) | 21.57 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1083.97 |
| Total Well Depth (from TOC) (ft) | 26.48 | Water Column Height (well depth - DTW) (ft) | 4.91 | 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: D — Sampling Device: D

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-1/8 inch (2.4 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) (PUMP/TUBING: WELL CASING) circle one of each | ACTUAL VOL PURGED (Liters: Gallons) circle one | (PUMP/TUBING: WELL) VOLS PURGED (optional) |
|---|---|---|---|---|---|
| 04/08/19 | 11:36 | 00:11 | 09 | 20 | 2.2.2 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 11:34 | 21.44 | | | | | | |
| 11:36 | START | 10 | | | | | |
| 11:44 | | 10 | 7.15 | 5380 | 13.1 | | |
| 11:47 | DRY | 20 | 7.21 | 5010 | 13.1 | 87.2 | |
| | ~~DRY~~ | | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 09:42 | 21.69 | 20 | 6.83 | 4840 | 12.4 | 3.11 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 09:42 | 20 | 6.83 | 4840 | 12.4 | 3.11 | |

**FIELD COMMENTS**

Sample Appearance: clear Odor: none Color: none Other: —

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

Specific Comments (including purge/well volume calculations if required): 26.48' - 21.44' = 5.04' x 0.164 = 0.9 gal x 3 = 2.7 gal

Samples collected:

| Sample ID | |
|---|---|
| GW-041019-AB-018 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals) |
| | 2 ~~950~~ 250 (DUP) mL Amber Glass (TCL, SVOCs); 1-~~500~~ 250mL (Cyanide) |

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Andrew Barchowsky | Andrew Barchowsky | |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-117

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 14:46 (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): 1123.97 (ft/msl)

Depth to Water (DTW) (from TOC): 40.13 (ft)

Groundwater Elevation (site datum, from TOC): 1083.84 (ft/msl)

Total Well Depth (from TOC): 60.78 (ft)

Water Column Height (well depth - DTW): 20.65 (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

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-1/8 inch (2.4 ml/ft); X -Other

X-Other: Foot Valve/ SS-Bailer

**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) |
|---|---|---|---|---|---|
| 04/09/19 | 11:04 | 00:15 | 34 | 140 | 4.12 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L/Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 11:03 | 40.16 | 0.10 | | | | | |
| 11:04 | START | 3.5 | 5.94 | 2490 | 11.8 | | |
| 11:08 | | 7.0 | 6.01 | 2660 | 11.8 | | |
| 11:11 | | 10.5 | 6.04 | 2640 | 11.5 | | |
| 11:15 | | 14.0 | 6.03 | 2630 | 11.4 | 1.23 | |
| 11:19 | | | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 09:10 | 40.25 | 14.0 | 5.71 | 2370 | 11.7 | 1.78 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 09:10 | 14.0 | 5.71 | 2370 | 11.7 | 1.78 | — |

**FIELD COMMENTS**

Sample Appearance: slightly cloudy Odor: none Color: brown tinge Other: —

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

Specific Comments (including purge/well volume calculations if required): 60.78' - 40.16' = 20.62' x 0.164 = 3.4 gal

3.4 gal x 3 = 10.2 gal

Samples collected:

Sample ID: GW-041019-AB-014

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-250 mL Amber Glass (TCL, SVOCs); 1-250mL (Cyanide)

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

4/10/19 (Date) Andrew Backowsky (Name) Andrew Backowsky (Signature) Eurofins & Associates, Inc. (Company)

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-118

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 13:50 | Purge/Sample Method: | 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. |
| Well Elevation (at TOC) | 109838 (ft/msl) | Depth to Water (DTW) (from TOC) | 22.61 (ft) | Groundwater Elevation (site datum, from TOC) | 107577 (ft/msl) |
| Total Well Depth (from TOC) | 37.30 (ft) | Water Column Height (well depth - DTW) | 14.69 (ft) | Casing ID | 02 (in) |

**PURGE/SAMPLE EQUIPMENT**

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

Filter Device: Y or N (circled: 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-1/8 inch (2.4 ml/ft), X -Other

X-Other: X - 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 11 19 (MM) | 11:46 | 00:19 | 24 | 12.5 | 5.2 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 11:38 | 22.74 | | | | | | |
| 11:46 | START | 0.0 | — | — | — | — | — |
| 11:53 | — | 2.5 | 6.69 | 1630 | 9.5 | — | — |
| 11:56 | — | 5.0 | 6.87 | 1420 | 9.5 | — | — |
| 11:59 | — | 7.5 | 6.87 | 1390 | 9.6 | — | — |
| 12:02 | — | 10.0 | 6.86 | 1370 | 9.5 | — | — |
| 12:05 | — | 12.5 | 6.89 | 1390 | 9.6 | 72.4 | — |
| | | | | | | | |
| 4/11/19 | SAMPLE | — | — | — | — | — | — |
| 14:10 | 22.76 | 12.5 | 7.02 | 1758 | 9.2 | 60.9 | — |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 11 19 | 14:10 | 12.5 | 7.02 | 1758 | 9.2 | 60.9 | — |

**FIELD COMMENTS**

**Sample Appearance:** CLOUDY **Odor:** NONE **Color:** NONE/GREY **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph FROM SW ? Air Temp: ~60°F Precipitation: Y or N (circled: N)

**Specific Comments** (including purge/well volume calculations if required): 37.30'-22.74' = 14.56' X 0.164 = 2.4 gal X 3 = 7.2 gals

Samples collected:

Sample ID: GW-041119-NK-061

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950 mL~~ (MK) 250 mL Amber Glass (TCL, SVOCs); 1-~~60 mL~~ (MK) 250mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Nicole A Karow | [signature] | |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-201

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 14:56 | 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) | 1107.52 | Depth to Water (DTW) (from TOC) (ft) | 11.40 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1096.12 |
| Total Well Depth (from TOC) (ft) | 63.58 | Water Column Height (well depth - DTW) (ft) | 52.18 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

Pump Type (Vol): — 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-1/8 inch (2.4 ml/ft), X-Other

X-Other: X - 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 09 19 | 10:44 NAD | 00:32 | 8.6 | 18.0 | 2.1 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 10:13 | 11.40 | | | | | | |
| 10:14 | START | 0.0 | | | | | |
| 10:31 | | 9.0 | 7.95 | 36.20 | 12.3 | | |
| 10:44 | | 18.0 | 7.90 | 36.40 | 12.3 | | |
| 10:46 | DRY | 18.0 | | | | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 16:15 | 11.16 | 18.0 | 7.45 | 36.10 | 11.6 | 5.16 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 09 19 | 16:15 | 18.0 | 7.45 | 36.10 | 11.6 | 5.16 | |

**FIELD COMMENTS**

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

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

**Specific Comments** (including purge/well volume calculations if required): 63.58' - 11.40' = 52.18' × 0.164 = 8.6 GAL×3 = 25.8

Samples collected:

Sample ID: GW-040919-NK-015

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) NAD

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Nick A Karow | [signature] | Eagon & Associates, Inc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-202

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 14:32 (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): 1095.50 (ft/msl)

Depth to Water (DTW) (from TOC): 23.35 (ft)

Groundwater Elevation (site datum, from TOC): 1071.15 (ft/msl)

Total Well Depth (from TOC): 50.06 (ft)

Water Column Height (well depth - DTW): 26.71 (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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/08/19 | 17:53 | 00:23 | 44 | 225 | 5 1 1 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 17:51 | 23.34 | | | | | | |
| 17:53 | START | 10 | | | | | |
| 17:58 | | 45 | 8.29 | 1717 | 12.5 | | |
| 18:03 | | 90 | 8.25 | 2230 | 12.3 | | |
| 18:07 | | 135 | 8.28 | 2440 | 12.2 | | |
| 18:12 | | 180 | 8.23 | 2560 | 12.1 | | |
| 18:16 | | 225 | 8.25 | 2670 | 12.1 | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 14:55 | 23.03 | 225 | 8.75 | 2430 | 13.9 | 13.0 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 14:55 | 225 | 8.75 | 2430 | 13.9 | 13.0 | |

Sample Appearance: CLEAR w/ BLACK FLAKES Odor: MILD $H_2S$ Color: CLEAR/NONE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph From S ↑ Air Temp: ~60°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): 50.06' - 23.34' = 26.72' × 0.164 = 4.4 gal × 3 = 13.2 gal

**FIELD COMMENTS**

Samples collected:

Sample ID: GW-040919-NK-007

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-950 mL Amber Glass (TCL, SVOCs); 1-60 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | NICK A KARON | | FARLON + ASSOC |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National | **Sample Point:** MW-203

## WELL DATA

**Water-Level Date:** 04/08/19 (MM/DD/YY) | **Water-Level Time:** 11:44 | **Purge/Sample Method:** DRY (LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric)

**Well Elevation (at TOC):** 1103.35 (ft/msl) | **Depth to Water (DTW) (from TOC):** 8.92 (ft) | **Groundwater Elevation (site datum, from TOC):** 1094.43 (ft/msl)

Total Well Depth (from TOC): 53.84 (ft) | Water Column Height (well depth - DTW): 44.92 (ft) | Casing ID: 02 (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or (N) | Filter Device: Y or (N) 0.45µ or ____ µ (circle or fill in)

Purging Device: X | Sampling Device: D

A-Submersible Pump, B-Peristaltic Pump, C-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) | TOTAL VOL PURGED (Liters : Gallons) (circle one) | PUMP/TUBING: WELL VOLS PURGED (optional) |
|---|---|---|---|---|---|
| 04/10/19 | 11:52 | 00:15 | 74 | 129 | 1.74 |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| 11:47 | 8.91 (AB) | | | | | | |
| 11:53 | START | 100 | | | | | |
| 11:59 | DRY | 174 | 9.44 | 3100 | 11.2 | | |
| 12:07 | | 129 | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 09:12 | 9.66 | 129 | 8.44 | 32.40 | 8.4 | 42.9 | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L (Gals)) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 09:12 | 129 | 8.44 | 3240 | 8.4 | 42.9 | |

## FIELD COMMENTS

**Sample Appearance:** clear | Odor: none | Color: none | Other: —

**Weather Conditions** (at sample time): Wind Speed / Direction: 5-15 mph from NE | Air Temp: ~40°F | Precipitation: Y or (N)

**Comments** (including purge/well volume calculations if required): 53.84' - 8.91' = 44.93' x 0.164 = 7.4 gal x 3 = 22.2 gal

Samples collected:

Sample ID = GW-041119-AB-038

3 - 40mL Vials (TCL, VOCs); 1 - 500mL P (TAL metals)

2 - 250mL Amber Glass (TCL, SVOCs); 1 - 250 (AB) mL (cyanide)

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

| Date | Name | Signature |
|---|---|---|
| 4/11/19 | Andrew Bachowsky | Andrew Bachowsky |

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-204

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date** (MM DD YY) | 04/08/19 | **Water-Level Time** (2400 Hr. Clock) | 1508 | **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) | 1098.01 | **Depth to Water (DTW) (from TOC)** (ft) | 10.33 | **Groundwater Elevation (site datum, from TOC)** (ft/msl) | 1087.68 |
| **Total Well Depth (from TOC)** (ft) | 46.50 | **Water Column Height (well depth - DTW)** (ft) | 36.17 | **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

X-Other: Foot Valve

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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 04/09/19 | 1000 | 00:16 | 60 | 105 | 175 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0958 | 10.20 | | | | | | |
| 1000 | START | 100 | | | | | |
| 1006 | | 160 | 7.47 | 2840 | 11.5 | | |
| 1016 | DRY | 105 | | | | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 1515 | 34.25 | 105 | 6.90 | 3060 | 13.5 | 24.1 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 1515 | 105 | 6.90 | 3060 | 13.5 | 24.1 | |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph from NW Air Temp: ~65°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 46.50' - 10.20' = 36.30' x 0.164 = 6.0 gal x 3 = 18.0 gal

Samples collected:

| Sample ID | |
|---|---|
| GW-040919-AB-008 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals); 2-950 (AB) 250 mL Amber Glass (TCL, SVOCs); 1-60 (AB) 250 mL (Cyanide) |

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Andrew Bachowsky | Andrew Bachowsky | |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-205

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date | 04 08 19 (MM DD YY) | Water-Level Time | 14:40 (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) | 110090 (ft/msl) | Depth to Water (DTW) (from TOC) | 16.39 (ft) | Groundwater Elevation (site datum, from TOC) | 108451 (ft/msl) |
| Total Well Depth (from TOC) | 53.17 (ft) | Water Column Height (well depth - DTW) | 36.78 (ft) | Casing ID | 02 (in) |

## PURGE/SAMPLE EQUIPMENT

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

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

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

Sampling Device: D

Pump Type (Vol): — 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-1/8 inch (2.4 ml/ft), X -Other

X-Other: X - 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 11 19 | 1001 | 00:17 | 61 | 195 | 3.2 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 10:00 | 16.55 | | | | | | |
| 10:01 | START | 0.0 | | | | | |
| 10:08 | | 6.5 | 6.05 | 1730.0 | 9.3 | | |
| 10:13 | | 13.0 | 6.10 | 1730 | 9.4 | | |
| 10:18 | | 19.5 | 6.18 | 1740 | 9.4 | 4.86 | |
| | | | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 13:56 | 16.40 | 19.5 | 6.59 | 1709 | 12.3 | 53.7 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 11 19 | 13:56 | 19.5 | 6.59 | 1709 | 12.3 | 53.7 | |

## FIELD COMMENTS

**Sample Appearance:** slightly cloudy **Odor:** none **Color:** slight orange tinge **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: calm Air Temp: 60°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 53.17' - 16.55' = 36.62' x 0.164 = 6.1 GAL x 3 = 18.3 GAL

Samples collected:

Sample ID: GW-041119-~~[illegible]~~ AB-060 (AB)

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) (CMK)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Nick A Karon | [signature] | Fagan + Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-206

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1308 | 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) | 110322 | Depth to Water (DTW) (from TOC) (ft) | 2610 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 107712 |
| Total Well Depth (from TOC) (ft) | 6352 | Water Column Height (well depth - DTW) (ft) | 3712 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

Pump Type (Vol): — 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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 041019 | 1802 | 0023 | 62 | 107 | 173 (DRY) |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1750 | 2614 | | | | | | |
| 1802 | START | 100 | — | — | — | — | — |
| 1816 | — | 62 | 917 | 2530 | 108 | — | — |
| 1825 | DRY | 107 | — | — | — | — | — |
| | | | | | | | |
| 04/11/19 | SAMPLE | — | — | — | — | — | — |
| 1140 | 6101 | 107 | 820 | 2810 | 117 | 300 | — |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041119 | 1140 | 107 | 820 | 2810 | 117 | 300 | — |

**FIELD COMMENTS**

**Sample Appearance:** grey/cloudy  Odor: none  Color: grey  Other: —

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

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

63.52 - 26.14 = 37.38 × 0.164 = 6.2 gals × 3 = 18.6 GAL

Samples collected:

Sample ID: GW-041119-AB-052

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60 mL~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Barchowsky | Andrew Barchowsky | Eagan & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-207

**WELL DATA**

Water-Level Date: 04 08 19 (MM DD YY)

Water-Level Time: 13:41 (2400 Hr. Clock)

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

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

Depth to Water (DTW) (from TOC): 9.55 (ft)

Groundwater Elevation (site datum, from TOC): 1088.96 (ft/msl)

Total Well Depth (from TOC): 49.84 (ft)

Water Column Height (well depth - DTW): 40.29 (ft)

Casing ID: 02 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

Purging Device: X

Sampling Device: D

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

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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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 11 19 | 16:10 | 00:29 | 6.6 | 21.0 | 3.2 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 16:00 | 9.63 | | | | | | |
| 16:10 | START | 00 | — | — | — | — | — |
| 16:22 | — | 70 | 6.42 | 1910 | 9.7 | — | — |
| 16:30 | — | 140 | 6.55 | 1940 | 9.6 | — | — |
| 16:39 | — | 210 | 6.56 | 1930 | 9.7 | 3.57 | — |
| | | | | | | | |
| 4/12/19 | SAMPLE | — | — | — | — | — | — |
| 10:00 | 9.64 | 210 | 8.03 | 2420 | 9.7 | 13.9 | — |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 12 19 | 10:00 | 210 | 8.03 | 2420 | 9.7 | ~~3.57~~ 13.9 (NM) | — |

**FIELD COMMENTS**

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

Weather Conditions (at sample time): Wind Speed/Direction: 5-15 mph from SW ↗ Air Temp: ~60°F Precipitation: Y or N

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

49.84' - 9.63' = 40.21' X 0.164 = 6.6 gals — 3-40 mL Vials (TCL, VOCS); 1-500 mL P (TAL metals)

6.6 X 3 = 19.8 Gallons — 2-250 mL Amberglass (TCL, SVOCS); 1-250 mL P (Cyanide)

Sample ID #'s — ~~Samples Collected~~ CMK

GW-041219-NK-069 — ~~SSIPL VOCs (3-40mL Vials)~~ CMK

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Neel A Karon | [signature] | Fagon & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National | Sample Point: MW-209

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY) | Water-Level Time: 13:31 (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): 14.63 (ft) | Groundwater Elevation (site datum, from TOC): 1083.03 (ft/msl)

Total Well Depth (from TOC): 37.70 (ft) | Water Column Height (well depth - DTW): 33.07 (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 | X-Other: Foot Valve

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

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

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/10/19 | 15:19 | 00:14 | 55 | 105 | 1.91 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L/Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 15:17 | 14.73 | 10.0 | | | | | |
| 15:19 | STAT | | | | | | |
| 15:26 | | 15.5 | 6.57 | 2430 | 10.6 | | |
| 15:33 | DRY | 11.05 | | | | | |
| 04/11/19 | SAMPLE | | | | | | |
| 10:35 | 11.71.0 | 11.0.5 | 6.1.5 | 2.3.3.0 | 9.5 | 14.5.5 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1035 | 105 | 6.15 | 2330 | 9.5 | 14.5.5 | |

Sample Appearance: clear | Odor: none | Color: none | Other: —

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

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

**FIELD COMMENTS**

37.70' - 4.73' = 32.97' x 0.164 = 5.5 gal x 3 = 16.5 gal

3-40mL vials CTCL, VOCs); 1-500mL P CTAL metals)

2-250mL Amberglass CTCL, SVOC's); 1-250mL P (Cyanide)

Sample ID

GW-041119-AB-046

~~Samples collected~~ (CMK)

~~SS IPL VOCs (3-40mL vials)~~ (CMK)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Bardrowsky | Andrew Bardrowsky | Eagan & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-219

**WELL DATA**

Water-Level Date: 04/10/19 (MM DD YY)

Water-Level Time: 12:03 (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): 1108.24 (ft/msl)

Depth to Water (DTW) (from TOC): 18.29 (ft)

Groundwater Elevation (site datum, from TOC): 1089.95 (ft/msl)

Total Well Depth (from TOC): 63.09 (ft)

Water Column Height (well depth - DTW): 44.80 (ft)

Casing ID: 02 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

X-Other: Foot Valve

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

Tubing ID (Vol/Ft): ____ (A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/10/19 | 1802 | 0025 | 73 | 145 | 1.99 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1744 | 18.66 | 10.0 | | | | | |
| 1802 | START | | | | | | |
| 1815 | | 17.5 | 8.46 | 2130 | 11.0 | | |
| 1827 | DRY | 14.5 | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 1330 | 21.95 | 14.5 | 8.86 | 1951.0 | 9.1 | 20.2 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1330 | 14.5 | 8.86 | 1551 | 9.1 | 20.2 | |

**FIELD COMMENTS**

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

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph From W Air Temp: ~60°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): 63.09' − 18.66' = 44.43' × 0.164 = 7.36 GAL × 3 = 21.96 GAL

Samples collected:

Sample ID

GW-041119-NK-057

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 (CMA) mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 (CMA) mL (Cyanide)

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

4/11/19 (Date) Nick A Karow (Name) (Signature) Ecology & Associates, Inc. (Company)

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National | **Sample Point:** MW-220

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1255 | Purge/Sample Method: (X = Other; LF = Low Flow, P = Passive, Dry = Dry, 3-5 = 3-5 well vols.) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1090.92 | Depth to Water (DTW) (from TOC) (ft) | 7.78 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1083.14 |
| Total Well Depth (from TOC) (ft) | 38.65 | Water Column Height (well depth - DTW) (ft) | 30.87 | 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

X-Other: Foot Valve

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

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

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft); B-1/4 inch (10 ml/ft); C-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/10/19 | 1350 | 24:23 | 51 | 102 | 20 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged ( L : Gals ) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1347 | 7.80 | | | | | | |
| 1350 | START | 10 | | | | | |
| 1400 | | 15 | 7.73 | 3190 | 11.2 | | |
| 1413 | DRY | 102 | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 0955 | 12.36 | 102 | 7.22 | 2630 | 9.8 | 1.74 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 0955 | 102 | 7.22 | 2630 | 9.8 | 1.74 | |

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15mph from E | **Air Temp:** 45°F | **Precipitation:** Y or (N)

## FIELD COMMENTS

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

38.65' - 7.80' = 30.85' x 0.164 = 5.1 gal

5.1 gal x 3 = 15.3 gal

Samples Collected:

3-40mL Vials (TCL VOCs); 1-500mL P (TAL metals)

2-250mL Amberglass (TCL, SVOCs);

1-250mL P (Cyanide)

Sample ID #'s

GW-041119-AB-042

~~Samples Collected~~ (CMK) (CMK)

~~5 SAMPLE VOC's (3-40mL Vials)~~

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Borkowski | Andrew Borkowski | Eagon & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-223

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1047 | Purge/Sample Method: | DRY (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.) |
| Well Elevation (at TOC) | 1098.37 (ft/msl) | Depth to Water (DTW) (from TOC) | 10.40 (ft) | Groundwater Elevation (site datum, from TOC) | 1087.97 (ft/msl) |
| Total Well Depth (from TOC) | 45.37 (ft) | Water Column Height (well depth - DTW) | 34.97 (ft) | Casing ID | 02 (in) |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

Pump Type (Vol): ____ (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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/09/19 | 1706 | 00:32 | 58 | 188 | 324 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1702 | 1041 | | | | | | |
| 1706 | SITAIRT | 100 | | | | | |
| 1718 | | 160 | 6.24 | 2.140 | 11.2 | | |
| 1726 | | 1120 | 6.24 | 2.090 | 11.1 | | |
| 1736 | | 1180 | 6.20 | 2.090 | 11.2 | 13.03 | |
| 1738 | DRY | 1188 | | | | | |
| 4/10/19 | | | | | | | |
| SAMPLE | | | | | | | |
| 1010 | 1055 | 1188 | 5.99 | 3.330 | 9.0 | 5.12 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1011 | 188 | 5.99 | 3330 | 9.0 | 5.12 | |

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

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

**Specific Comments** (including purge/well volume calculations if required): 45.37' - 10.41' = 34.96' x 0.164 = 5.8 gal x 3 = 17.4 gal

**FIELD COMMENTS**

Samples collected:

Sample ID

GW-041019-AB-020

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-950 mL Amber Glass (TCL, SVOCs); 1-60mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Andrew Barchowsky | Andrew Barchowsky | Eagan & Associates, Inc. |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National | Sample Point: MW-224

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY) | Water-Level Time: 10:05 (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): 1089410 (ft/msl) | Depth to Water (DTW) (from TOC): 1051 (ft) | Groundwater Elevation (site datum, from TOC): 1078910 (ft/msl)

Total Well Depth (from TOC): 3662 (ft) | Water Column Height (well depth - DTW): 2611 (ft) | Casing ID: 02 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

Sampling Device: D

X-Other: Foot Valve

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

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 040919 | 0836 | 0017 | 44 | 135 | 307 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged ( L; Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0833 | 1031 | | | | | | |
| 0836 | START | 100 | | | | | |
| 0842 | | 145 | 7.01 | 3180 | 11.3 | | |
| 0849 | | 190 | 7.09 | 3.010 | 11.3 | | |
| 0853 | | 1135 | 7.13 | 3.010 | 11.5 | 3.19 | |
| 4/9/19 | SAMPLE | | | | | | |
| 1405 | 1039 | 1135 | 7.24 | 3.110 | 12.0 | 3.08 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1405 | 135 | 7.24 | 3.110 | 12.0 | 3.08 | |

**FIELD COMMENTS**

Sample Appearance: clear | Odor: none | Color: none | Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 10-20 mph from NW | Air Temp: ~60°F | Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): 36.62' - 10.31' = 26.31' x 0.164 = 4.4 gal x 3 = 13.2 gal

Matrix spike (MS) sample and matrix spike duplicate (MSD) sample GW-040919-AB-004-MS GW-040919-AB-004-MSD collected at MW-224

Sample ID #'s: GW-040919-AB-004

Samples collected: 3-40mL Vials (TCL, VOC) | 1-500mL Plastic (TAL Metals) | ~~SSPL~~ VOCs 2-250mL Amber Glass (TCL, SVOC) | 1-250mL (AB) Plastic (Cyanide)

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

Date: 4/9/19 | Name: Andrew Bardonsky | Signature: Andrew Bardonsky | Company:

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-301

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 14:52 | 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) | 110791 | Depth to Water (DTW) (from TOC) (ft) | 27.60 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 108031 |
| Total Well Depth (from TOC) (ft) | 81.03 | Water Column Height (well depth - DTW) (ft) | 53.43 | 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: XA — A-Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: D

X-Other: X - ~~Grundfos pump~~ WATTERA FOOT VALVE - 1/2 tubing

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 040919 | 0858 | 0107 | 8.8 | 36.0 | 4.1 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0856 | 27.60 | | | | | | |
| 0858 | START | 0.0 | | | | | |
| 0914 | | 9.0 | 8.64 | 3030 | 12.2 | | |
| 0930 | | 18.0 | 8.46 | 3010 | 12.3 | | |
| 0946 | | 27.0 | 8.43 | 3010 | 12.3 | | |
| 1005 | | 36.0 | 8.39 | 3010 | 12.3 | 18.6 | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 1550 | 27.78 | 36.0 | 8.78 | 2900 | 13.7 | 17.0 | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1550 | 36.0 | 8.78 | 2900 | 13.7 | 17.0 | |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 10-15 MPH FROM SW Air Temp: ~60°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 81.03' - 27.60' = 53.43' x 0.164 = 8.8 GAL x 3 = 26.4 GAL

Samples collected:

Sample ID: GW-040919-NK-013

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Neil A Karon | [signature] | Eagon + Assoc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-302

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1438 | 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) | 110039 | Depth to Water (DTW) (from TOC) (ft) | 2460 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 5735 |
| Total Well Depth (from TOC) (ft) | 7895 | Water Column Height (well depth - DTW) (ft) | 5435 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

Filter Device: Y or N (circled) ~~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)

Tubing ID (Vol/Ft): X (A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 ml/ft), X -Other)

X-Other: Grundfos pump 1/2" tubing

**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) |
|---|---|---|---|---|---|
| 040819 | 1722 | 0015 | 90 | AB ~~133~~ 133 | 148 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1720 | 2460 | | | | | | |
| 1722 | START | 00 | — | — | — | — | — |
| 1731 | — | 90 | 890 | 1759 | 125 | — | — |
| 1737 | DRY | 133 | — | — | — | — | — |
| | | | | | | | |
| 4/9/19 | SAMPLE | — | — | — | — | — | — |
| 1330 | 2437 | 133 | 889 | 1372 | 139 | 293 | — |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1330 | 133 | 889 | 1372 | 139 | 293 | — |

**FIELD COMMENTS**

**Sample Appearance:** CLOUDY  Odor: MODERATE $H_2S$  Color: GREY  Other: —

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph FRO  Air Temp: ~60°F  Precipitation: Y or N (circled)

**Specific Comments** (including purge/well volume calculations if required): 78.95' - 24.60' = 54.35' × 0.164 = ~~8~~ AB 9.0 gal × 3 = 27.0 gal

Samples collected:

Sample ID: GW-040919-NK-003

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL (NH) Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) (NH)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Andrew Barchowsky | Andrew Barchowsky | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-303

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1139 | 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) | 110315 | Depth to Water (DTW) (from TOC) (ft) | 25.63 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 107752 |
| Total Well Depth (from TOC) (ft) | 69.23 | Water Column Height (well depth - DTW) (ft) | 43.60 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

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

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

Sampling Device: D

Pump Type (Vol): — 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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 040019 | 1120 | 0017 | 72 | 115 | 1.6 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1113 | 25.67 | | | | | | |
| 1120 | START | 00 | | | | | |
| 1131 | | 72 | 8.25 | 2510 | 111 | | |
| 1137 | DRY | 115 | | | | | |
| | | | | | | | |
| 4/11/19 | 26.27 | | | | | | |
| 0840 | SAMPLE | 115 | 8.31 | 3410 | 107 | 5.58 (AB) | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041119 | 0840 | 115 | 8.31 | 3410 | 107 | 5.58 | |

**FIELD COMMENTS**

**Sample Appearance:** Clear w/ some brown sediment **Odor:** none **Color:** None **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph from E Air Temp: ~40°F Precipitation: Y or N

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

69.23 - 25.67 = 43.56 x 0.164 = 7.2 x 3 = 21.6

Samples collected:

Sample ID: GW-041119-AB-034

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Barchowsky | Andrew Barchowsky | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-304

## WELL DATA

**Water-Level Date:** 04/08/19 (MM DD YY) **Water-Level Time:** 15:17 (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):** 1097.73 (ft/msl) **Depth to Water (DTW) (from TOC):** 14.50 (ft) **Groundwater Elevation (site datum, from TOC):** 1083.23 (ft/msl)

**Total Well Depth (from TOC):** 72.08 (ft) **Water Column Height (well depth - DTW):** 57.58 (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 **X-Other:** Foot Valve

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/09/19 | 10:18 | 00:31 | 9.5 | 28.5 | 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) | Other |
|---|---|---|---|---|---|---|---|
| 10:18 | 14.54 | | | | | | |
| 10:18 | START | 10.0 | | | | | |
| 10:28 | | 19.5 | 8.02 | 3280 | 11.6 | | |
| 10:38 | | 19.0 | 7.97 | 3280 | 11.7 | | |
| 10:49 | | 28.5 | 8.01 | 3270 | 11.8 | 12.46 | |
| | | | | | | | |
| 4/9/19 | 15.68 | | | | | | |
| 15:35 | SAMPLE | 28.5 | 8.37 | 3290 | 12.1 | 11.35 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 15:35 | 28.5 | 8.37 | 3290 | 12.1 | 11.35 | |

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

**Weather Conditions** (at sample time): **Wind Speed/Direction:** 5-15 mph from NW **Air Temp:** ~65°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): 72.08' - 14.54' = 57.54' x 0.164 = 9.5 gal x 3 = 28.5 gal

## FIELD COMMENTS

Samples collected:

| Sample ID | |
|---|---|
| GW-040919-AB-010 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals); 2-250 mL Amber Glass (TCL, SVOCs); 1-250 mL (Cyanide) |

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

4/9/19 (Date) Andrew Bardarsky (Name) Andrew Bardarsky (Signature) Eagan & Associates, Inc. (Company)

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-305

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 14:36 (2400 Hr. Clock)

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

Well Elevation (at TOC): 1101.22 (ft/msl)

Depth to Water (DTW) (from TOC): 24.71 (ft)

Groundwater Elevation (site datum, from TOC): 1076.51 (ft/msl)

Total Well Depth (from TOC): 67.95 (ft)

Water Column Height (well depth - DTW): 43.24 (ft)

Casing ID: 02 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

Purging Device: X

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-1/8 inch (2.4 ml/ft); X-Other

X-Other: X - 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) |
|---|---|---|---|---|---|
| 04/10/19 | 11:08 | 03:35 | 6.9 | 2.80 | 4.06 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 11:01 | 26.32 | | | | | | |
| 11:08 | START | 1.0 | | | | | |
| 11:17 | | 7.0 | 6.84 | 26.60 | 11.1 | | |
| 11:26 | | 11.40 | 6.81 | 29.00 | 11.4 | | |
| 11:34 | | 21.0 | 6.91 | 29.20 | 11.2 | | |
| 11:43 | | 28.0 | 6.84 | 29.10 | 11.1 | 216.4 | |
| | | | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 15:30 | 27.59 | 28.0 | 7.32 | 24.30 | 11.9 | 32.0 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 15:30 | 28.0 | 7.32 | 24.30 | 11.9 | 32.0 | + |

**Sample Appearance:** CLEAR w/ BLACK SPECKS Odor: NONE Color: GREY/BLACK Other: —

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

**Specific Comments** (including purge/well volume calculations if required): 67.95' - 26.32' = 41.63' x 0.163 = 6.9 GAL x 3 = 20.7 GAL

**FIELD COMMENTS**

Samples collected:

Sample ID

GW-041019-NK-045

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-950 mL Amber Glass (TCL, SVOCs); 1-60mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Nicole A Karow | | Eaton & Assoc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-306

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1303 | Purge/Sample Method: | 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. |
| Well Elevation (at TOC) | 110314 (ft/msl) | Depth to Water (DTW) (from TOC) | 2725 (ft) | Groundwater Elevation (site datum, from TOC) | 107589 (ft/msl) |
| Total Well Depth (from TOC) | 91.96 (ft) | Water Column Height (well depth - DTW) | 64.71 (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 (AB)

Sampling Device: D

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

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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 ml/ft), X -Other

X-Other: ~~Grundfos pump 1/2 Tubing~~ 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) |
|---|---|---|---|---|---|
| 041119 | 1518 | 0033 | 107 | 330 | 308 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1506 | 2720 | | | | | | |
| 1518 | START 2720 (AB) | 00 | | | | | |
| 1530 | | 110 | 865 | 2050 | 118 | | |
| 1540 | | 220 | 868 | 2050 | 117 | | |
| 1551 | | 330 | 870 | 2060 | 119 | 100 | |
| | | | | | | | |
| 4/7/19 | SAMPLE | | | | | | |
| 0840 | 2701 | 330 | 883 | 2110 | 122 | 249 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041219 | 0840 | 330 | 883 | 2110 | 122 | 249 | |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph from S ↑ Air Temp: ~60°F Precipitation: Y or N

**Specific Comments** (including purge/well volume calculations if required): 91.96' - 27.20' = 64.76' x 0.164 = 10.7 gal ~~= 3~~ AB
10.7 gal x 3 = 32.1 gal

Samples collected:

Sample ID: GW-041219-NK-065

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)
2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nick A Karon | [signature] | Eagon & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-307

## WELL DATA

- **Water-Level Date:** 04/08/19 (MM DD YY)
- **Water-Level Time:** 1350 (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):** 1698.83 (ft/msl)
- **Depth to Water (DTW) (from TOC):** 22.95 (ft)
- **Groundwater Elevation (site datum, from TOC):** 1075.88 (ft/msl)
- **Total Well Depth (from TOC):** 74.10 (ft)
- **Water Column Height (well depth - DTW):** 51.15 (ft)
- **Casing ID:** 02 (in)

## PURGE/SAMPLE EQUIPMENT

- Purging and Sampling Equipment...Dedicated: Y or N
- Filter Device: Y or ~~N~~; ~~0.45µ~~ or _____ µ (circle or fill in)
- Purging Device: X
- Sampling Device: D
- A-Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle
- Pump Type (Vol): X — 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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/11/19 | 1648 | 0017 | 86 | 140 | 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) | Other |
|---|---|---|---|---|---|---|---|
| 1641 | 21.98 | | | | | | |
| 1648 | START | 100 | | | | | |
| 1659 | | 190 | 8.80 | 1680 | 8.2 | | |
| 1705 | | 1.4.0 | DRY | | | | |
| 4/12/19 | SAMPLE | | | | | | |
| 1015 | 21.2.03 | 1.4.0 | 8.72 | 2.7.9.0 | 12.6 | 1.8.8 | |

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

## FIELD DATA

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L; Gals) circle one | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (°C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/12/19 | 1015 | 1.4.0 | | | | | |

## FIELD COMMENTS

**Sample Appearance:** Clear **Odor:** None **Color:** None **Other:** _____

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-15 mph from S ↑ **Air Temp:** ~60°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): ~~21.98 - 74.~~ (mk)

74.10' - 21.98' = 52.12 X 0.164 = 8.6 gals x3 = 25.8 Gallons

Samples collected:

Sample ID

GW-04/12/19-NK-TD

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~-950~~ mL Amber Glass (TCL, SVOCs); 1-~~60~~ mL (Cyanide)

750 (NK) 250 (NK)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nzeu A Kteou | | Kleinfelder & Assoc |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-309

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 13:33 | 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) | 108781 | Depth to Water (DTW) (from TOC) (ft) | 12.07 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 107574 |
| Total Well Depth (from TOC) (ft) | 60.10 | Water Column Height (well depth - DTW) (ft) | 48.03 | Casing ID (in) | 02 |

## PURGE/SAMPLE EQUIPMENT

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

Filter Device: Y or N (circled: 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-1/8 inch (2.4 ml/ft); X -Other

X-Other: X - 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) |
|---|---|---|---|---|---|
| 041019 | 1436 | 0039 | 76 | 160 | 211 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1433 | 1394 | | | | | | |
| 1436 | START | 00 | — | — | — | — | — |
| 1453 | — | 77 | 926 | 2000 | 116 | — | — |
| 1513 | — | 154 | 930 | 2010 | 115 | — | — |
| 1515 | DRY | 160 | — | — | — | — | — |
| | | | | | | | |
| 4/11/19 | SAMPLE | — | — | — | — | — | — |
| 1017 | 1124 | 160 | 850 | 1949 | 94 | 326 | — |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 041119 | 1017 | 160 | 850 | 1949 | 94 | 326 | — |

## FIELD COMMENTS

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

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

**Specific Comments** (including purge/well volume calculations if required): 60.10' - 13.94' = 46.16' x 0.164 = 7.6gal x 3 = 22.8gal

Samples collected:

Sample ID: GW-041119-AB-044

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Barchowsky | Andrew Barchowsky | Eagon + Assoc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-319

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1156 | Purge/Sample Method: (LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1108.07 | Depth to Water (DTW) (from TOC) (ft) | 18.13 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1089.94 |
| Total Well Depth (from TOC) (ft) | 77.16 | Water Column Height (well depth - DTW) (ft) | 59.03 | Casing ID (in) | 0.2 |

## PURGE/SAMPLE EQUIPMENT

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

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

Sampling Device: D

X-Other (NW): X-FOOT VALVE Grundfos pump 1/2" tubing

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

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-1/8 inch (2.4 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) |
|---|---|---|---|---|---|
| 04/10/19 | 1834 | 0013 | 7.8 (NW) | 135 | 1.7 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1830 | 29.75 | 100 | 11.97 | 23510 | 11.0 | | |
| 1834 | START | 8 (NW) | | | | | |
| 1841 | | 115 | | | | | |
| 1847 | DRY | | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 1345 | 2236 | 135 | 9.76 | 19417 | 9.4 | 359 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1345 | 135 | 9.76 | 19417 | 9.4 | 359 | |

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-10 mph FROM W → **Air Temp:** ~60°F **Precipitation:** Y or (N)

**Specific Comments** (including purge/well volume calculations if required): ~~77.16' - 18.49' = 58.67' x 0.164 = 9.7 GAL x 3 = 29.1 GAL~~ 77.16' - 29.75' = 47.41' x 0.164 = 7.8 GAL x 3 = 23.4 GAL

## FIELD COMMENTS

WELL APPEARS TO BE CONNECTED TO, AND REACTS TO THE PURGING OF MW-219.

SAMPLED USING A NEW DISPOSABLE BAILER + NYLON STRING (CHANGED GLOVES)

Sample ID: GW-041119-JK-059

Samples collected: 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals); 2-950 mL Amber Glass (TCL, SVOCs); 1-60mL (Cyanide) 250 (NW) 250 (NW)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Mindy Nielsen-Kuhlman | | Eagon & Associates, Inc. |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-320

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1255 | Purge/Sample Method: (LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1091.14 | Depth to Water (DTW) (from TOC) (ft) | 18.30 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1072.84 |
| Total Well Depth (from TOC) (ft) | 1010.5 | Water Column Height (well depth - DTW) (ft) | 82.75 | 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: 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

Tubing ID (Vol/Ft): A — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 ml/ft), X -Other

X-Other: X - Grundfos Pump

**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) |
|---|---|---|---|---|---|
| 04/10/19 | 1318 | 0624 | 13.5 | 19.5 | 1.44 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1302 | 19.01 | | | | | | |
| 1318 | START | 10.0 | | | | | |
| 1332 | | 14.0 | 7.87 | 1580 | 11.7 | | |
| 1342 | DRY | 19.5 | | | | | |
| 04/11/19 | SAMPLE | | | | | | |
| 0941 | 19.51 | 19.5 | 8.19 | 1544 | 10.9 | 5.15 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 0941 | 19.5 | 8.19 | 1544 | 10.9 | 5.15 | |

**FIELD COMMENTS**

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

Weather Conditions (at sample time): Wind Speed/Direction: 5-10 mph from NE Air Temp: 44°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): 101.05' - 19.01' = 82.04' x 0.164 = 13.5 gal x 3 = 40.5 gal

Samples collected:

| Sample ID | |
|---|---|
| GW-041119-AB-040 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals) |
| | 2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) |

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Bachowsky | Andrew Bachowsky | Ecogon + Assoc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-321

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 13:33 | 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) | 109532 | Depth to Water (DTW) (from TOC) (ft) | 19.46 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 107586 |
| Total Well Depth (from TOC) (ft) | 68.43 | Water Column Height (well depth - DTW) (ft) | 48.97 | Casing ID (in) | 02 |

**PURGE/SAMPLE EQUIPMENT**

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

Filter Device: Y or N (circled) 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-1/8 inch (2.4 ml/ft); X -Other

X-Other: Foot Valve, SS Bailer (Sample)

**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 11 19 | 17:24 | 00:28 | 82 | 22.5 | 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) | Other |
|---|---|---|---|---|---|---|---|
| 17:10 | 18.40 | | | | | | |
| 17:24 | START | 0.0 | — | — | — | — | — |
| 17:35 | — | 8.5 | 8.82 | 1991 | 12.3 | — | — |
| 17:45 | — | 17.0 | 8.68 | 2130 | 11.7 | — | — |
| 17:52 | DRY | 22.5 | — | — | — | — | — |
| | | | | | | | |
| 4/12/19 | SAMPLE | — | — | — | — | — | — |
| 09:40 | 18.20 | 22.5 | 8.93 | 2210 | 12.8 | 10.8 | — |
| | | | | | | | |
| | | | | | | | |

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

**FIELD DATA**

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L : Gals) circle one | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (¡C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 12 19 | 09:40 | 22.5 | 8.93 | 2210 | 12.8 | 10.8 | — |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph FROM S ↑ Air Temp: ~60°F Precipitation: Y or N (circled)

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

68.43' - 18.40' = 50.03 X 0.163 = 8.2 gal X 3 = 24.6

Needs new tubing

Sample ID: GW-041219-NK-068

Samples collected:

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | Nick A Karon | [signature] | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-322

## WELL DATA

**Water-Level Date:** 04 08 19 (MM/DD/YY)

**Water-Level Time:** 11:05

**Purge/Sample Method:** DRY
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

**Well Elevation (at TOC)** ~~0~~ 1 09888 (ft/msl) AB

**Depth to Water (DTW) (from TOC)** 14.50 (ft)

**Groundwater Elevation (site datum, from TOC)** 108438 (ft/msl)

**Total Well Depth (from TOC)** 70.11 (ft)

**Water Column Height (well depth - DTW)** 55.61 (ft)

**Casing ID** 02 (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

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

Purging Device: X

Sampling Device: D

A-Submersible Pump, B-Peristaltic Pump, C-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* | TOTAL VOL PURGED (Liters : Gallons) *circle one* | PUMP/TUBING: WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|
| 041019 | 0751 | 0021 | 91 | 152 | 167 |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| 0750 | 14.88 | — | — | — | — | — | — |
| 0751 | START | 0.0 | — | — | — | — | — |
| 0801 | — | 9.1 | 8.85 | 27.10 | 11.0 | — | — |
| 0812 | DRY | 15.2 | — | — | — | — | — |
| | | | | | | | |
| 4/10/19 | SAMPLE | — | — | — | — | — | — |
| 1650 | 36.58 | 15.2 | 7.29 | 32.60 | 11.0 | 0.81 | — |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 041019 | 1650 | 15.2 | 7.29 | 32.60 | 11.0 | 0.81 | — |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): **Wind Speed / Direction:** 10-20mph from N **Air Temp:** ~45°F **Precipitation:** Y or N

**Comments** (including purge/well volume calculations if required): 70.11' - 14.88' = 55.23' x 0.164 = 9.1 gal x 3 = 27.3 gal

Samples Collected:

Sample ID: GW-041019-AB-024

3-40mL Vials (TCL, VOCs); 1-500mL P(TAL Metals)

2-250mL Amber Glass (TCL, SVOCs); 1-~~2~~ AB 250mL (cyanide)

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

4/10/19 — Date

Andrew Barchowsky — Name

Andrew Barchowsky — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-323

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 1042 (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): 1097.51 (ft/msl)

Depth to Water (DTW) (from TOC): 21.50 (ft)

Groundwater Elevation (site datum, from TOC): 1076.01 (ft/msl)

Total Well Depth (from TOC): 83.62 (ft)

Water Column Height (well depth - DTW): 62.12 (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

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-1/8 inch (2.4 ml/ft); X -Other)

X-Other: Grundfos pump 1/2" tubing

**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) |
|---|---|---|---|---|---|
| 04/09/19 | 1803 | 00:19 | 10.2 (9B) | 15.1 | 1.48 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1802 | 21.60 | | | | | | |
| 1803 | START | 10 | | | | | |
| 1813 | | 10.5 | 8.42 | 2430 | 11.4 | | |
| 1822 | DRY | 15.1 | | | | | |
| 04/10/19 | SAMPLE | | | | | | |
| 1030 | 21.67 | 15.1 | 8.63 | 2420 | 10.5 | 23.3 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1030 | 15.1 | 8.63 | 2420 | 10.5 | 23.3 | |

**FIELD COMMENTS**

Sample Appearance: clear Odor: none Color: none Other: —

Weather Conditions (at sample time): Wind Speed/Direction: (9B) 5-10 mph from N Air Temp: ~50°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required): 83.62' - 21.50' = 62.02 x 0.164 = 10.2 gal (9B) 10.2 gal x 3 =

Samples collected:

Sample ID

GW-041019-AB-022

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

4, 10, 19 (Date) Andrew Bachowsky (Name) Andrew Bachowsky (Signature) Eagon & Associates, Inc. (Company)

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-324

## WELL DATA

Water-Level Date: 04/08/19 (MM DD YY) | Water-Level Time: 10:12 (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): 1089.39 (ft/msl) | Depth to Water (DTW) (from TOC): 15.31 (ft) | Groundwater Elevation (site datum, from TOC): 1074.08 (ft/msl)

Total Well Depth (from TOC): 89.51 (ft) | Water Column Height (well depth - DTW): 74.20 (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

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-1/8 inch (2.4 ml/ft), X -Other)

X-Other: Grundfos Pump 1/2" tubing

## 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) |
|---|---|---|---|---|---|
| 04/09/19 | 09:09 | 02:55 | 12.2 | 19.4 | 1.59 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 09:01 | 15.21 | | | | | | |
| 09:09 | START | 0.0 | | | | | |
| 09:21 | | 12.5 | 9.31 | 240.0 | 11.16 | | |
| 09:34 | DRY | 19.4 | | | | | |
| 04/9/19 | SAMPLE | | | | | | |
| 14:40 | 17.07 | 19.4 | 8.31 | 266.0 | 12.1 | 9.61 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 14:40 | 19.4 | 8.31 | 266.0 | 12.1 | 9.61 | |

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 10-20 mph from NW **Air Temp:** ~60°F **Precipitation:** Y or N

**Specific Comments** (including purge/well volume calculations if required): 89.51' - 15.21' = 74.30' x 0.164 = 12.2gal x 3 = 36.60 gal

## FIELD COMMENTS

Samples collected:

| Sample ID | |
|---|---|
| GW-040919-AB-006 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals) |
| | 2-250 mL Amber Glass (TCL, SVOCs); 1-250 mL (Cyanide) |

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

4/9/19 (Date) | Andrew Bodnarsky (Name) | Andrew Bodnarsky (Signature) | Eagon & Associates, Inc. (Company)

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-401

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 040819 | Water-Level Time (2400 Hr. Clock) | 1320 | 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) | 109975 | Depth to Water (DTW) (from TOC) (ft) | 2986 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 106989 |
| Total Well Depth (from TOC) (ft) | 14156 | Water Column Height (well depth - DTW) (ft) | 11170 | 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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 ml/ft), X -Other

X-Other: Grundfos pump 1/2" tubing

**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) |
|---|---|---|---|---|---|
| 040919 | 1744 | 0146 | 740 | 2220 | 3 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 1732 | 28.77 | | | | | | |
| 1744 | START | 100 | — | — | — | — | — |
| 1825 | — | 740 | 8.59 | 1853 | 12.1 | — | — |
| 1859 | — | 1480 | 8.48 | 1870 | 12.1 | — | — |
| 1932 | — | 2220 | 8.67 | 1876 | 12.3 | 36.1 | — |
| | | | | | | | |
| 4/10/19 | START | — | — | — | — | — | — |
| 1300 | 33.09 | 2220 | 8.19 | 1992 | 12.2 | 69.6 | — |
| | | | | | | | |
| | | | | | | | |

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

**FIELD DATA**

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L: Gals) circle one | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (¡C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 041019 | 1300 | 2220 | 8.19 | 1992 | 12.2 | 69.6 | — |

**FIELD COMMENTS**

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

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

**Specific Comments** (including purge/well volume calculations if required): 141.56 - 28.77 = 112.79 x 0.656 = 74.0 GAL x 3 = 222.0 GAL

Samples collected:

Sample ID: GW-041019-NK-033

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~-950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) NAH

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Nzeu A Karow | [signature] | Eagon & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-402

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 13:12 | 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) | 1089.90 | Depth to Water (DTW) (from TOC) (ft) | 26.05 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1063.85 |
| Total Well Depth (from TOC) (ft) | 131.02 | Water Column Height (well depth - DTW) (ft) | 104.97 | Casing ID (in) | 04 |

**PURGE/SAMPLE EQUIPMENT**

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

Filter Device: Y or N (circled) ~~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: X - Grundfos Pump 1/2" ~~Pump~~ TUBING

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-1/8 inch (2.4 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 10 19 | 0808 | 0054 | 689 | 695 | 1.01 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0750 | 26.10 | | | | | | |
| 0808 | START | 90 | | | | | |
| 0859 | | 690 | 973 | 1942 | 127 | | |
| 0902 | DRY | 695 | | | | | |
| | | | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 1330 | 12309 | 695 | 926 | 1997 | 137 | 47.8 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

**FIELD DATA**

| SAMPLE DATE (MM DD YY) | SAMPLE TIME (2400 Hr. Clock) | VOL PURGED (L:Gals) circle one | pH (std) | CONDUCTANCE (umhos/cm) | TEMP (¡C) | TURBIDITY (ntu) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 1330 | 695 | 926 | 1997 | 137 | 47.8 | |

**FIELD COMMENTS**

**Sample Appearance:** CLEAR  Odor: STRONG $H_2S$  Color: BLACK/GREY  Other: —

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

**Specific Comments** (including purge/well volume calculations if required): 131.02' - 26.10' = 104.92' × 0.656 = 68.9 GAL × 3 = 206.7 GAL

Samples collected:

Sample ID: GW-041019-NK-035

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | NICK A KAROW | [signature] | FAGON + ASSOC. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-4/14

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date** (MM DD YY) | 04/03/19 | **Water-Level Time** (2400 Hr. Clock) | 1503 | **Purge/Sample Method:** (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.) | DRY |
| **Well Elevation (at TOC)** (ft/msl) | 1096.98 | **Depth to Water (DTW) (from TOC)** (ft) | 22.36 | **Groundwater Elevation (site datum, from TOC)** (ft/msl) | 1074.62 |
| **Total Well Depth (from TOC)** (ft) | 1031.8 | **Water Column Height (well depth - DTW)** (ft) | 80.82 | **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

X-Other: Grundfos Pump + 1/2" tubing

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-1/8 inch (2.4 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)* |
|---|---|---|---|---|---|
| 04/11/19 | 0835 | 01:10 | 525 | 910 | 1.7 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) *circle one* | pH (std) | Conductance (µmhos/cm) | Temp (°C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0838/19 | 23.17 | | | | | | |
| 0838 | START | 610 | | | | | |
| 0914 | | 525 | 9.48 | 1183.4 | 10.0 | | |
| 0944 | DRY | 910 | | | | | |
| 4/11/19 | SAMPLE | | | | | | |
| 1318 | 25.86 | 910 | 8.59 | 1221.0 | 12.8 | 5.66 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1318 | 910 | 8.59 | 2210 | 12.8 | 5.66 | |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 mph from NE **Air Temp:** 55°F **Precipitation:** Y or (N)

**Specific Comments** (including purge/well volume calculations if required): 103.18' - 23.17' = 80.01' × 0.656 = 52.5 GAL × 3 = 157.5 GAL

Samples collected:

Sample ID: AB — 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

GW-041119-~~EB~~-056 (AB) — 2 ~~950 mL~~ 750 (NH) Amber Glass (TCL, SVOCs); 1-~~60 mL~~ 250 (NH) (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Zach A Karow | | Eaton + Assoc |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: MW-415

**WELL DATA**

Water-Level Date: 04/08/19 (MM DD YY)

Water-Level Time: 14:19 (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): 1102.25 (ft/msl)

Depth to Water (DTW) (from TOC): 27.11 (ft)

Groundwater Elevation (site datum, from TOC): 1075.14 (ft/msl)

Total Well Depth (from TOC): 89.39 (ft)

Water Column Height (well depth - DTW): 62.28 (ft)

Casing ID: 04 (in)

**PURGE/SAMPLE EQUIPMENT**

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

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

Purging Device: 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)

Tubing ID (Vol/Ft): X (A-3/8 inch (22 ml/ft); B-1/4 inch (10 ml/ft); C-1/8 inch (2.4 ml/ft); X-Other)

X-Other: X - Grundfos pump - 1/2" tubing

**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) |
|---|---|---|---|---|---|
| 04/10/19 | 10:16 | 00:26 | 41.1 | 44.5 | 3.4 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 10:14 | 26.86 | | | | | | |
| 10:16 | START | 0.0 | | | | | |
| 10:37 | | 41.5 | 9.19 | 2050 | 11.9 | | |
| 10:42 | DRY | 44.5 | | | | | |
| 4/10/19 | SAMPLE | | | | | | |
| 14:30 | 27.09 | 44.5 | 9.17 | 2010 | 12.7 | 5.41 | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 14:30 | 44.5 | 9.17 | 2010 | 12.7 | 5.41 | |

Sample Appearance: CLEAR Odor: STRONG $H_2S$ Color: NONE Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: ~55°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): 89.39' - 26.86' = 62.53' x 0.656 = 41.1 GAL x 3 = 123.3 GAL

**FIELD COMMENTS**

COLLECTED MS: GW-041019-NK-041-MS

MSD: GW-041019-NK-041-MSD

Samples collected:

Sample ID (GW-041019-NK-041)

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-60 ~~ML~~ 250 mL (Cyanide) NH

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | NICK & KAROL | | EA GEN & ASSOC. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** MW-421

**WELL DATA**

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04 08 19 | Water-Level Time (2400 Hr. Clock) | 14:27 | Purge/Sample Method: | 3-5 X = Other LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. |
| Well Elevation (at TOC) | 109.93 (ft/msl) | Depth to Water (DTW) (from TOC) | 26.89 (ft) | Groundwater Elevation (site datum, from TOC) | 107.04 (ft/msl) |
| Total Well Depth (from TOC) | 104.10 (ft) | Water Column Height (well depth - DTW) | 77.21 (ft) | Casing ID | 04 (in) |

**PURGE/SAMPLE EQUIPMENT**

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

Filter Device: Y or N (circled: 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

Tubing ID (Vol/Ft): X — A-3/8 inch (22 ml/ft), B-1/4 inch (10 ml/ft), C-1/8 inch (2.4 ml/ft), X -Other

X-Other: Grundfos Pump 1/2" tubing

**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 08 19 | 17:41 | 00:37 | 50.7 | 153.0 | 3.02 |

**STABILIZATION DATA**

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L:Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 17:21 | 26.89 | | | | | | |
| 17:41 | START | 0.0 | | | | | |
| 17:53 | | 51.0 | 8.44 | 2060 | 12.3 | | |
| 18:05 | | 102.0 | 8.49 | 2030 | 12.3 | | |
| 18:18 | | 153.0 | 8.53 | 1983 | 12.3 | 8.99 | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 14:20 | 27.67 | 153.0 | 8.64 | 1361 | 13.8 | 31.5 | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 09 19 | 14:20 | 153.0 | 8.64 | 1361 | 13.8 | 31.5 | |

**FIELD COMMENTS**

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-10 MPH FROM SW ↗ Air Temp: ~60°F Precipitation: Y or N (circled: N)

**Specific Comments** (including purge/well volume calculations if required): 104.10' - 26.89' = 77.21' x 0.656 = 50.7 GAL x 3 = 152.1 GAL

COLLECTED MS/MSD #1 : GW-040919-NK-005-MS / GW-040919-NK-005-MSD

Samples collected:

Sample ID = GW-040919-NK-005

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) NAW NAW

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Nick A Karow | [signature] | EAGON + ASSOC. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** MW-422

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| Water-Level Date (MM DD YY) | 04/08/19 | Water-Level Time (2400 Hr. Clock) | 1448 | Purge/Sample Method: (X = Other; LF = Low Flow; P = Passive; Dry = Dry; 3-5 = 3-5 well vols.) | DRY |
| Well Elevation (at TOC) (ft/msl) | 1107.38 | Depth to Water (DTW) (from TOC) (ft) | 26.21 | Groundwater Elevation (site datum, from TOC) (ft/msl) | 1081.17 |
| Total Well Depth (from TOC) (ft) | 1120.0 | Water Column Height (well depth - DTW) (ft) | 85.79 | 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

X-Other: X Grundfos Pump 1/2" tubing

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-1/8 inch (2.4 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) (PUMP/TUBING: WELL CASING) circle one of each | ACTUAL VOL PURGED (Liters: Gallons) circle one | (PUMP/TUBING: WELL) VOLS PURGED (optional) |
|---|---|---|---|---|---|
| 04/09/19 | 0825 | 01:26 | 563 | 610 | 108 |

## STABILIZATION DATA

| Time (2400 Hr Clock) | DTW (ft) | Vol. Purged (L: Gals) circle one | pH (std) | Conductance (µmhos/cm) | Temp (¡C) | Turbidity (ntu) | Other |
|---|---|---|---|---|---|---|---|
| 0818:11 | 26.21 | | | | | | |
| 0818:25 | START | 10 | | | | | |
| 0919:21 | | 565 | 9.45 | 2380 | 14.1 | | |
| 0919:27 | DRY | 610 | | | | | |
| | | | | | | | |
| 4/9/19 | SAMPLE | | | | | | |
| 1530 | 1560.19 | 610 | 8.64 | 2120 | 13.1 | 1.46 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 1530 | 610 | 8.64 | 2120 | 13.1 | 1.46 | |

**Sample Appearance:** CLEAR **Odor:** MODERATE $H_2S$ **Color:** NONE **Other:** —

**Weather Conditions** (at sample time): Wind Speed/Direction: 5-10 mph FROM SE Air Temp: ~68°F Precipitation: Y or (N)

**Specific Comments** (including purge/well volume calculations if required): 112.00' - 26.21' = 85.79' × 0.656 = 56.3 gal × 3 = 168.9 gal

## FIELD COMMENTS

Samples collected:

Sample ID: GW-040919-NK-011

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-60mL (Cyanide) 250 (HAL)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | NICK A KARON | | EAGON + ASSOC |

**DISTRIBUTION:** WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040919 | 1635 | 90 | 567 | 1661 | 105 | 18.4 | — |

**FIELD COMMENTS**

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

Weather Conditions (at sample time): Wind Speed/Direction: 0-10 MPH W-SW Air Temp: ~65°F Precipitation: Y or N

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

DUPLICATE #1 IS AN EXACT DUPLICATE BY CONTAINER OF MONITORING WELL MW-101. SEE FIELD SHEET FOR MW-101 FOR WELL INFO

Sample ID #'s. GW-040919-NK-019

Samples Collected: 1-500 mL P (TAL METALS), TCL SVOC's (2-250mL AMBER GLASS) ~~SSIPL~~ TCL VOCs (3-40 mL vials), 1-250 mL (CYANIDE)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4.9.19 | Nick A Karow | [signature] | Eagon + Assoc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 (AB) | 0910 | | 5.75 | 2360 | 11.7 | 1.76 | |

**Sample Appearance:** slightly cloudy **Odor:** none **Color:** brown tinge **Other:** —

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

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

## FIELD COMMENTS

Duplicate #2 is an exact duplicate by container of well MW-117. See the field sheet for well MW-117 for well and purge info.

Sample ID #'s

Gw-041019-AB-016

SAMPLES COLLECTED: TCL VOCs (3-40mL Vials), TAL METALS (1-500mL P), TCL SVOCs (2-250mL AMBER), CYANIDE (1-250mL P)

~~Sample collected~~

~~SSIPL VOCs (3 40mL vials)~~

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Andrew Burchowsky | Andrew Burchowsky | Eaton & Assoc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Duplicate #3

## WELL DATA

**Water-Level Date:** (MM/DD/YY)

**Water-Level Time:**

**Purge/Sample Method:** —
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

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

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

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

Total Well Depth (from TOC) (ft)

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

Casing ID (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

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

Purging Device

Sampling Device

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

X - Other

Pump Type (Vol)

A-P1200M (495 mL)
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

Tubing ID (Vol/Ft)

A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

## PURGE INFO

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

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 14:00 | 28.5 | 6.77 | 2040 | 9.7 | 844 | — |

## FIELD COMMENTS

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

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

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

Duplicate #3 is an exact Duplicate By Container of Monitoring Well MW-4.
See Field Sheet for MW-4 for well Data + Info.

SAmples Collected:
3-40 mL Vials (TCL, VOCS); 1-500 mL P (TAL Metals)
2-250 mL Amberglass (TCL, SVOCS); 1-250 mL P (Cyanide)

Sample ID:
GW-041019-NK-039

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

4/10/19 — Date
Nick A Karon — Name
[signature] — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** Duplicate #4

## WELL DATA

Water-Level Date: (MM/DD/YY) | Water-Level Time: | Purge/Sample Method: LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

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

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

## PURGE/SAMPLE EQUIPMENT

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

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

A-Submersible Pump, B-Peristaltic Pump, C-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* | TOTAL VOL PURGED (Liters : Gallons) *circle one* | PUMP/TUBING:WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|
| | | | | | |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1715 | 18 | 3.99 | 2481.0 | 10.1 | 116.4 | ++ |

**Sample Appearance:** cloudy **Odor:** none **Color:** orange **Other:** —

**Weather Conditions** (at sample time): **Wind Speed / Direction:** 5-6 mph from N (AB) **Air Temp:** ~45°F **Precipitation:** Y or (N)

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

## FIELD COMMENTS

Duplicate #4 is an exact duplicate ~~of~~ (AB) by container of well MW-105. See the field sheet for well MW-105 for well and purge information.

Samples collected: 3-40mL Vials (TCL, VOCs)

Sample ID

GW-041019-AB-028

1-500mL P (TAL Metals); 2-250mL Amber Glass (TAL, VOCs)

1-250mL (Cyanide)

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

| Date | Name | Signature |
|---|---|---|
| 4/10/19 | Andrew Bardowsky | Andrew Bardowsky |

EAGON & ASSOCIATES, INC.

EA-200 0418

5

**Site Name:** SAMMIT NATIONAL

**Sample Point:** DUPLICATE #4

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date:** (MM/DD/YY) | | **Water-Level Time:** | | **Purge/Sample Method:** LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric | |
| **Well Elevation (at TOC)** | (ft/msl) | **Depth to Water (DTW) (from TOC)** | (ft) | **Groundwater Elevation (site datum, from TOC)** | (ft/msl) |
| **Total Well Depth (from TOC)** | (ft) | **Water Column Height (well depth - DTW)** | (ft) | **Casing ID** | (in) |

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N  Filter Device: Y or N  0.45µ or ____ µ *(circle or fill in)*

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

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

X - Other ____

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

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

## PURGE INFO

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

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1530 | 2810 | 7.32 | 2413.0 | 11.19 | 37.63 | |

## FIELD COMMENTS

**Sample Appearance:** CLEAR W/ BLACK SPECKS  **Odor:** NONE  **Color:** GRAY / BLACK  **Other:** —

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

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

DUPLICATE #~~3~~5 IS AN EXACT DUPLICATE BY CONTAINER OF MONITORING WELL MW-305. SEE FIELD SHEET FOR WELL MW-305 FOR WELL DATA + INFO

SAMPLES COLLECTED:

SAMPLE ID #:

GW-041019-NK-047

TCL VOCs (3-40mL VIALS), TCL SVOCs (2-250mL AMBER)

TAL METALS (1-500mL P), CYANIDE (1-250mL P)

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

| Date | Name | Signature |
|---|---|---|
| 4/10/19 | NICK A KARON | |

EAGON & ASSOCIATES, INC.

EA-200 0418

**Site Name:** Summit National

**Sample Point:** Duplicate #6

## WELL DATA

**Water-Level Date:** (MM/DD/YY)

**Water-Level Time:**

**Purge/Sample Method:**
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

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

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

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

**Total Well Depth (from TOC)** (ft)

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

**Casing ID** (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

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

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

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

X - Other

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

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

## PURGE INFO

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

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 0840 | 11.5 | 8.32 | 3410 | 10.5 | 15.62 | — |

**Sample Appearance:** clear w/ some brown sediment **Odor:** none **Color:** none **Other:** —

**Weather Conditions** (at sample time): **Wind Speed / Direction:** 5-15 mph from E **Air Temp:** ~40°F **Precipitation:** Y or (N)

## FIELD COMMENTS

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

Duplicate #6 is an exact Duplicate By Container of Monitoring Well MW-303.
See field Sheet for Well MW-303 for well Data and Info.

Samples collected:

Sample ID:
GW-041119-AB-036

3-40mL Vials (TCL, VOCs); 1-500mL P CTAL metals)
2-250mL Amberglass (TCL, SVOCs); 1-250mL P (Cyanide)

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

| Date | Name | Signature |
|---|---|---|
| 4/11/19 | Andrew Barchowsky | Andrew Barchowsky |

EAGON & ASSOCIATES, INC.

EA-200 0418

# 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: LF = Low Flow P = Passive Dry = Dry 3-5 = 3-5 well vols. X = Other

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

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

## PURGE/SAMPLE EQUIPMENT

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

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

Sampling Device [ ]

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

X-Other [ ]

Tubing ID (Vol/Ft) [ ] A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 040819 | 1917 | | 4.73 | 521 | 18.0 | 0.29 | |

## FIELD COMMENTS

**Sample Appearance:** clear | Odor: None | Color: none | Other: —

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5mph from W | Air Temp: ~~~30~~ ~60°F (AB) | Precipitation: Y or (N)

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

Rinse Blank #1 sample collected by pouring lab-supplied DI water over the grundfos pump into sample containers after decon + use at well ~~42~~ (MW) MW-421.

Sample ID #'s = RB-040819-AB-001 Sample Collected: TAL METALS (1-500mL) SSIPL (VOCs) (3-40mL Vials) TCL SVOCs (2-250mL AMBERS) CYANIDE (1-250mL P)

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

4/8/19 Date | Andrew Bardlowski Name | Andrew Bardlowski Signature | Eagon & Associates, Inc. Company

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# 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

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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/09/19 | 1850 | -- | 5.46 | 4116 | 16.9 | 04.4 | -- |

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

Weather Conditions (at sample time): Wind Speed/Direction: S-10 mph from W Air Temp: ~65°F Precipitation: Y or (N)

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

**FIELD COMMENTS**

Rinse Blank #2 sample collected by pouring lab-supplied DI water over SS bailer into sample containers after decon + use at well MW-304.

Sample ID#'s: RB-040919-~~AK~~ ~~020~~ (AB) AB 012 (AB)

TCL SVOCs (2-250 mL AMBERS)

TAL METALS (1-500 mL P), CYANIDE (1-250 mL P)

Samples Collected

~~SS~~ TCL VOCs (3-40mL Vials) (NH)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/9/19 | Nick A Karow Andrew Borchowsky | Andrew Borchowsky | EA Eng + Assoc |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Rinsate Blank #3

## 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1930 | | | | | | |

## FIELD COMMENTS

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW Air Temp: ~40°C Precipitation: Y or (N)

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

RINSATE BLANK #3 SAMPLE COLLECTED AFTER USE AND DECON @ WELL MW-305 BY POURING LAB-SUPPLIED WATER OVER BAILER AND INTO SAMPLE CONTAINERS.

Sample ID: RB-041019-NK-030

Samples collected:
3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)
2-~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-~~60~~ 250 mL (Cyanide) NH

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Nick A Karch | | Faron + Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National **Sample Point:** Rinsate Blank #4

**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 [ ] 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1107 | | | | | | |

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

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

**FIELD COMMENTS**

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

RINSE BLANK #4 COLLECTED BY POURING LAB DEIONIZED WATER DIRECTLY OVER DECONNED SS BAILER AND INTO SAMPLE CONTAINERS AFTER USE AT WELL MW-109

Samples collected:

Sample ID: RB-041119-AB-050

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~950~~ 250 mL Amber Glass (TCL, SVOCs); 1-60 ~~mL~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | Andrew Zachowsky | Andrew Zachowsky | Eaton & Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Rinsate blank #5

## 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 [___] | 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/11/19 | 1500 | | | | | | |

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

**Weather Conditions** (at sample time): Wind Speed/Direction: 0-5 MPH FROM SW | **Air Temp:** ~60°F | **Precipitation:** Y or (N)

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

## FIELD COMMENTS

RINSE BLANK #5 COLLECTED BY POURING LAB DEIONIZED WATER DIRECTLY OVER DEDICATED SS BAILER AND INTO SAMPLE CONTAINERS AFTER USE AT WELL MW-118

Samples collected:

Sample ID: RB-041119-NK-063

3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals)

2 ~~-950~~ 250 mL Amber Glass (TCL, SVOCs); 1 ~~-60~~ 250 mL (Cyanide)

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/11/19 | NICK A KARON | | EA Eng + Assoc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Rinsate Blank #6

## 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/12/19 | 1145 | | | | | | |

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

**Weather Conditions** (at sample time): **Wind Speed/Direction:** 10-20 MPH FROM SW? **Air Temp:** ~60°F **Precipitation** Y or ~~N~~ (TML)

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

## FIELD COMMENTS

RINSE BLANK #6 COLLECTED BY POURING LAB DEIONIZED WATER DIRECTLY OVER DECONED SS BAILER AND INTO SAMPLE CONTAINERS AFTER USE AT WELL MW-108.

Samples collected:

| Sample ID: | |
|---|---|
| RB-041219-NK-073 | 3-40 mL VIALS (TCL, VOCs); 1-500mL P (TAL metals) |
| | 2 ~~950~~ 250 mL (NH) Amber Glass (TCL, SVOCs); 1-60mL 250 (NH) (Cyanide) |

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

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/12/19 | NICK A KAROW | | FROST + ASSOC. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National | **Sample Point:** Non-Potable Well

## WELL DATA

| | | | | | |
|---|---|---|---|---|---|
| **Water-Level Date:** 04/08/19 (MM/DD/YY) | **Water-Level Time:** 15:41 | **Purge/Sample Method:** — (LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric) | | | |
| **Well Elevation (at TOC)** 1099.34 (ft/msl) | **Depth to Water (DTW) (from TOC)** 108.11 (ft) | **Groundwater Elevation (site datum, from TOC)** 991.23 (ft/msl) | | | |
| Total Well Depth (from TOC) 230.0 (ft) | Water Column Height (well depth - DTW) 121.89 (ft) | Casing ID 6 (in) | | | |

## PURGE/SAMPLE EQUIPMENT

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

Purging Device: A — Sampling Device: A

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

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* | TOTAL VOL PURGED (Liters / (Gallons)) *circle one* | PUMP/TUBING:WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|
| 04/10/19 | 18:30 | 0:15 | | ~750 | |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| 18:30 | START | 00 | | | | | |
| 18:45 | | 750 | 8.13 | 1880 | 9.3 | 4.34 | — |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L / (Gals)) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 18:45 | ~750 | 8.13 | 1880 | 9.3 | 4.34 | — |

**Sample Appearance:** Clear — Odor: Moderate sulfer — Color: None — Other: —

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

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

## FIELD COMMENTS

Purged well from pressure tank into decon/purge tank, Collected samples directly from tap on pressure tank. Purge and sample water highly effervescent

Sample ID #: GW-041019-AG-055

Samples Collected: (bubbles in sample vials)
3-40ml vials (TCL VOCs); 1-500ml P (TAL Metals)
2-250ml ambers (TCL SVOCs); 1-250ml P (cyanide)

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

4/10/19 — Andrew D. Graham — Signature

Date — Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD METER CALIBRATION RECORD

Project Name: SUMMIT NATIONAL  Sampler(s): N KAROW, A BARCHOWSKY, A MILLER, C KESSLER

**pH Meter(s):** Make/Model/Serial No: OAKTON / PC450 / 2851266

Buffer Brand/Expiration: pH 4 IE/ 10-20-20 ; pH 7 IE/ 11-3-20 ; 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) |
|---|---|---|---|---|---|---|
| 4/8/19 | 1614 | Calibrate | 3.99 | 7.04 | — | 18.2 |
| 4/9/19 | 0741 | CALIBRATE | 4.00 | 7.05 | — | 15.0 |
| 4/10/19 | 0731 | Calibrate | 3.96 | 7.07 | — | 14.2 |
| 4/11/19 | 0743 | Calibrate | 4.02 | 7.07 | — | 11.0 |
| 4/12/19 | 0744 | Calibrate | 4.01 | 7.05 | — | 15.3 |

**Conductivity/Temp. Meter(s):** Make/Model/Serial No: OAKTON / PC450 / 2851266

Cond. Solution Brand/Expiration: 1413 IE/ 11-2-19 4490 IE/2-15-20  Cond. Solution Value (@ 25 °C): 1413 / 4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/8/19 | 1618 | calibrate | 1414/4340 | 18.3 | |
| 4/9/19 | 0745 | CALIBRATE | 1412/4340 | 15.0 | |
| 4/10/19 | 0736 | ~~Che~~ Calibrate | 1413/4320 | 15.7 | |
| 4/11/19 | 0753 | Calibrate | 1425/4340 | 11.2 | |
| 4/12/19 | 0746 | Calibrate | 1414/4310 | 15.4 | |

**Turbidity Meter(s):** Make/Model/Serial No.: ~~OAKTO~~ HACH/2100Q / 19030C074756

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/8/19 | 1627 | check | ~~6.49~~ 6.36 | 6.49 | |
| 4/9/19 | 0748 | CHECK | 6.36 | 5.94 | |
| 4/10/19 | 0738 | Check | 6.36 | 6.61 | |
| 4/11/19 | 0756 | Check | 6.36 | 6.16 | |
| 4/12/19 | 0748 | ~~Calibrate~~ Check | 4.85 | 4.85 | |

Sampler (Name): NICK A KAROW, CODY KESSLER  Sampler (Signature): [signature]

Forms\fieldmeterform.xls

Eagon & Associates, Inc.

# FIELD METER CALIBRATION RECORD

Project Name: Summit National  Sampler(s): Andrew Barchowsky, Alex Miller

**pH Meter(s):** Make/Model/Serial No: Oakton/PC450/2753963

Buffer Brand/Expiration: pH 4 IE/10-20-20; pH 7 IE/11-3-20; 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) |
|---|---|---|---|---|---|---|
| 4/8/19 | 1612 | calibrate | 4.01 | ~~6.98~~ 7.00 | — | 22.6 |
| 4/9/19 | 0727 | calibrate | 3.99 | 7.03 | — | 16.0 |
| 4/10/19 | 0725 | calibrate | 4.00 | 7.04 | — | 16.0 |
| 4/11/19 | 0745 | calibrate | 4.00 | 7.04 | — | 14.5 |

**Conductivity/Temp. Meter(s):** Make/Model/Serial No: Oakton/PC450/2753963

Cond. Solution Brand/Expiration: IE/11-2-19  Cond. Solution Value (@ 25 °C): 1413/4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/8/19 | 1618 | calibrate | 1414/4550 | 20.4 | |
| 4/9/19 | 0729 | calibrate | 1413/4380 | 16.0 | |
| 4/10/19 | 0727 | calibrate | 1413/4390 | 16.1 | |
| 4/11/19 | 0746 | calibrate | 1414/4380 | 14.5 | |

**Turbidity Meter(s):** Make/Model/Serial No.: Hach/2100P/08030C028697

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/8/19 | 1611 | check | 4.51 | 4.91 | |
| 4/9/19 | 0733 | check | 4.51 | 4.72 | |
| 4/10/19 | 0728 | check | 4.51 | 4.69 | |
| 4/11/19 | 0750 | check | 4.51 | 4.71 | |

Sampler (Name): Andrew Barchowsky  Sampler (Signature): Andrew Barchowsky

# FIELD METER CALIBRATION RECORD

Project Name: *Summit National Superfund Site* Sampler(s): A. Graham

**pH Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Buffer Brand/Expiration: pH 4 IE / 10-20-20 ; pH 7 IE / 11-3-20 ; 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) |
|---|---|---|---|---|---|---|
| 4/10/19 | 1234 | Calibrate | 4.01 | 7.02 | — | 13.0 |
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**Conductivity/Temp. Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Cond. Solution Brand/Expiration: IE / 11-2-19 Cond. Solution Value (@ 25 °C): 1413 / 4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1232 | Calibrate | 1413 / 4460 | 14.1 / 18.7 | |
| | | | | | |
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**Turbidity Meter(s):** Make/Model/Serial No.: HACH 2100P / 08030C028697

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1240 | check | 4.55 | 4.68 | |
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Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

# APPENDIX B.

# HISTORICAL GROUNDWATER QUALITY AND WATER-LEVEL ELEVATION DATA

# APPENDIX C.

# DATA VALIDATION RESULTS

# DATA VALIDATION RESULTS

## Groundwater Samples

Groundwater samples were collected from the 51 monitoring wells and the on-site non-potable water well during the event. 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, four trip blanks were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by SW-846 Method 8260B, six rinse blank samples and six duplicate samples were collected and analyzed for the complete list of event parameters, and MS/MSD samples were collected from three site monitoring wells.

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. RPD values between the original and duplicated samples were less than 20 percent for all duplicate comparisons.

The sample receipt summaries (included in the laboratory analytical report) indicate that groundwater samples were received at the laboratory at temperatures ranging from 0.4 to 5.2°C and all samples were adequately preserved. A discrepancy between the login identification number assigned to Rinse Blank #2 by the laboratory and the sample team was corrected prior to issuing the final laboratory report. The only other discrepancy noted on the sample receipt summaries was that the number of trip blank vials received by the laboratory did not match the number of vials listed on the chain of custody. The discrepancy was corrected during check-in procedures at the laboratory and prior to issuing the final laboratory report.

Analysis of VOCs and SVOCs include 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, Eurofins TestAmerica, specifies dilution factors used and deviations from quality control (QC) protocols.

Volatile Organic Compounds

Samples were analyzed for TCL VOCs by SW-846 Method 8260 B. All analyses were performed within the required method holding times. All surrogate and blank spike recoveries were compliant and there were no detections of target compounds reported in the method blank analyses. MS/MSD recoveries also were compliant. There were no VOC detections above the reporting limit in the trip blanks or rinse blank samples.

The laboratory analytical report narrative indicates that continuing calibration verification (CCV) recoveries were above the control limits for 1,1,2,2-tetrachloroethane in several batches associated with groundwater samples. Potentially affected results are from sample points DUP #1 (MW-101 duplicate), DUP #2 (MW-117 duplicate), DUP #3 (MW-4 duplicate), DUP #5 (MW-305 duplicate), MW-4, MW-101, MW-102, MW-107, MW-108, MW-110, MW-111, MW-113, MW-115, MW-116, MW-117, MW-201, MW-202, MW-204, MW-207, MW-223, MW-224, MW-301, MW-302, MW-304, MW-305, MW-306, MW-307, MW-321, MW-323, MW-324, MW-401, MW-402, MW-415, MW-421, MW-422, Rinse Blank #1, Rinse Blank #2, and Rinse Blank #6. The high CCV recoveries indicate a potential high bias to the sample results. The results for this compound were non-detect for all these sample points and are consistent with historical results. Therefore, no data have been qualified based on the high 1,1,2,2-tetrachloroethane CCV recoveries.

The CCV recoveries for carbon disulfide, chloromethane, 1,1-dichloroethene, and 4-methyl-2-pentanone were below the control limits in the batch associated with monitoring points DUP #4 (MW-105 duplicate), MW-103, MW-105, MW-114, MW-118, MW-205, MW-319, MW-322, MW-414, MW-421, and Rinse Blank #3. The low CCV recovery indicates a potential low bias to the sample results. The results for carbon disulfide, chloromethane, 1,1-dichloroethene, and 4-methyl-2-pentanone were non-detect for all of these sample points and are consistent with historical results. No data have been qualified due to the carbon disulfide, chloromethane, 1,1-dichloroethene, and 4-methyl-2-pentanone CCV recovery being outside the control limits.

The CCV recovery for chloromethane was below the control limit in the batch associated with monitoring points DUP #6 (MW-303 duplicate), MW-104, MW-106, MW-109, MW-203, MW-206, MW-209, MW-219, MW-220, MW-303, MW-309, MW-320, Rinse Blank #4, and Rinse Blank #5. The low CCV recovery indicates a potential low bias to the sample results. The results for chloromethane were non-detect for all of these sample points and are consistent with historical results. No data have been qualified due to the chloromethane CCV recovery being outside the control limit.

Dilution factors used for analysis of samples from MW-107 (10-100 times), MW-108 (1.25-12.5 times), and MW-111 (2 times), have resulted in correspondingly higher RLs and practical quantitation limits (PQL)s. Reported results for MW-108 and MW-111 are in some cases non-detect for compounds typically detected during past events and some results are reported as estimated at levels similar to previously quantified detections.

Semi-Volatile Organic Compounds

Samples were analyzed for TCL SVOCs by SW-846 Method 8270D. All extractions and analyses were performed within the required method hold times.

The CCV recovery for 2,2'-oxybis[1-chloropropane] for Batch 240-376614 was below the QC limits. The low CCV recovery indicates a potential low bias to the sample results. Results for the associated samples Rinse Blank #1, MW-102, MW-113, MW-301, MW-302, MW-304, and MW-422 were all non-detect which is consistent with historical results. A limit of detection verification (LODV) standard was analyzed in the batch to support the non-detect results for 2,2'-oxybis[1-chloropropane]. No data have been qualified due to the 2,2'-oxybis[1-chloropropane] CCV recovery being outside the control limits.

The CCV recoveries associated with Batch 240-376614 were above the upper control limit for 2,4-Dinotrophenol, Di-n-octyl phthalate, and 4-nitrophenol. The high CCV recoveries indicate a potential high bias to the sample results. Results for the associated samples Rinse Blank #1, MW-102, MW-113, MW-301, MW-302, MW-304, and MW-422 were all non-detect which is

consistent with historical results. No data have been qualified due to the 2,4-Dinotrophenol, Di-n-octyl phthalate, and 4-nitrophenol CCV recoveries being outside the control limits.

The CCV recoveries associated with Batch 240-376831 were above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 4-Nitrophenol. The high CCV recoveries indicate a potential high bias to the sample results. Results for the associated samples MW-115, MW-202, MW-204, MW-224, MW-224 MS/MSD, MW-305, MW-324, and MW-421 were all non-detect which is consistent with historical results. No data have been qualified due to the 2,4-Dinotrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 4-nitrophenol CCV recoveries being outside the control limits.

The CCV recoveries associated with Batch 240-376831 were above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 4-Nitrophenol. The high CCV recoveries indicate a potential high bias to the sample results. Results for the associated samples MW-202, MW-204, MW-224, MW-224 MS/MSD, MW-324, and MW-421 were all non-detect which is consistent with historical results. No data have been qualified due to the 2,4-Dinotrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 4-nitrophenol CCV recoveries being outside the control limits.

The CCV recoveries for Phenol and Pentachlorophenol for Batch 240-377069 were below the QC limits. The low CCV recoveries indicate potential low bias to the sample results. Results for the associated samples Rinse Blank #2, MW-4, MW-4 Duplicate, MW-101, MW-101 Duplicate, MW-116, MW-117, MW-117 Duplicate, MW-201, MW-223, MW-323, MW-401, MW-402, and MW-415 were all non-detect which is consistent with historical results. An LODV standard was analyzed in the batch to support the non-detect results for Phenol and Pentachlorophenol. No data have been qualified due to the Phenol and Pentachlorophenol CCV recoveries being outside the control limits.

The CCV recoveries for 2,4-Dinitrophenol and 2-Nitroaniline for Batch 240-377069 were above the QC limits. The high CCV recoveries indicate a potential high bias to the sample results. Results for the associated samples Rinse Blank #2, MW-4, MW-4 Duplicate, MW-101, MW-101

Duplicate, MW-116, MW-117, MW-117 Duplicate, MW-201, MW-223, MW-323, MW-401, MW-402, and MW-415 were all non-detect which is consistent with historical results. No data have been qualified due to the 2,4-Dinitrophenol and 2-Nitroaniline CCV recoveries being outside the control limits.

The CCV recoveries for 2,4-Dinitrophenol and 2-Nitroanaline for Batch 240-377282 were above the QC limits. The high CCV recoveries indicate a potential high bias to the sample results. The results for the associated samples Rinse Blank #4, MW-11, MW-109, MW-110, MW-111, MW-207, MW-209, MW-220, MW-306, MW-307, MW-309, and MW-321 were non-detect which are consistent with historical results. No data have been qualified due to the 2,4-Dinitrophenol and 2-Nitroaniline CCV recoveries being outside the control limits.

The CCV recoveries for 2,4-Dinitrophenol and 2-Nitroanaline for Batch 240-377488 were above the QC limits. The high CCV recoveries indicate a potential high bias to the sample results. The results for the associated samples Non-Potable Supply Well, Rinse Blank #3, Rinse Blank #5, Rinse Blank #6, MW-103, MW-104, MW-105, MW-105 Duplicate, MW-106, MW-107, MW-108, MW-114, MW-118, MW-203, MW-205, MW-206, MW-219, MW-303, MW-303 Duplicate, MW-305 Duplicate, MW-319, MW-320, MW-322, and MW-414 were non-detect which are consistent with historical results. No data have been qualified due to the 2,4-Dinitrophenol and 2-Nitroaniline CCV recoveries being outside the control limits.

The CCV recoveries for 2,4-Dinitrophenol, 2-Nitroaniline, and 4-Nitrophenol for Batch 240-377719 were above the QC limits. The high CCV recoveries indicate a potential high bias to the sample results. The result for the associated sample MW-205 was non-detect which is consistent with historical results.

Diethyl phthalate was detected in the MB 240-376702/25-A associated with samples from Rinse Blank #2, MW-4, MW-4 Duplicate, MW-101, MW-101 Duplicate, MW-115, MW-116, MW-117, MW-117 Duplicate, MW-201, MW-223, MW-305, MW-323, MW-401, MW-402, MW-415, and MW-415 MS/MSD. The MB result for diethyl phthalate was 4.22 J ug/L. The results for diethyl phthalate were non-detect for all of these sample points and are consistent with

historical results. These data have not been qualified due to the detection of diethyl phthalate in the MB.

The surrogate recovery for 2,4,6-Tribromophenol (TBP) was below the QC limit in the sample 240-110867-17. Potentially affected results were for the sample MW-104. The surrogate recovery was 29 percent. The lower QC limit is 33 percent. The low surrogate recovery for TBP indicates a potential low bias to the sampling results for the surrogate associated parameters. Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. Results for all the parameters associated with the surrogate TBP were non-detect which is consistent with historical results and are reported unqualified.

Metals

Samples for TAL metals were analyzed by SW-846 Method 6010C. All analyses were performed within the method-required hold time. Dilutions for metals analyses are summarized in the laboratory analytical report narrative. A significant number of samples were diluted two times which resulted in several parameters that are typically detected to be non-detect below the elevated PQLs.

The MS and MSD recoveries for sample 240-110752-8 associated with QC Batch 376021 was below the QC limits for sodium. The MS recovery was 33 percent and the MSD recovery was 32 percent. The sample result was 490,000 ug/L and the spike amount was 50,000 ug/L. Because the sample result is greater than four times the spike amount, no data were qualified due to the high MS/MSD recovery for sodium. Sodium results for the associated samples including Rinse Blank #1, MW-102, MW-113, MW-202, MW-204, MW-224, MW-301, MW-302, MW-304, MW-324, MW-421, and MW-422 were consistent with historical results.

The MSD recovery for sample 240-110752-9 associated with QC Batch 376041 was below the QC limits for iron. The MSD recovery for iron was -68 percent and the MS recovery for sodium was 20 percent. The sample result for iron was 7,200 ug/L and the spike amount was

1,000 ug/L. The sample result for sodium was 410,000 ug/L and the spike amount was 50,000 ug/L. Because the sample results for both iron and sodium are greater than four times the spike amounts, no data were qualified due to the low MS recoveries for either iron or sodium. Iron and sodium results for the associated samples including Rinse Blank #1, MW-102, MW-113, MW-202, MW-204, MW-224, MW-301, MW-302, MW-304, MW-324, MW-421, and MW-422 were consistent with historical results.

The MSD recovery for sample 240-110818-1 associated with QC Batch 376853 was below the QC limits for iron. The MSD recovery for iron was 62 percent. The sample result for iron was 3,800 ug/L and the spike amount was 1,000 ug/L. The MS recovery for this sample was compliant. Results for the associated samples including MW-116, MW-201, MW-323, MW-401, and MW-415 MS/MSD were generally lower than historical results. Therefore, these results have been qualified as estimated ("J" qualifier).

The MSD recovery for sample 240-110867-1 associated with QC Batch 376929 was below the QC limits for sodium. The MS recovery for sodium was 74 percent. The sample result for sodium was 640,000 ug/L and the spike amount was 50,000 ug/L. Because the sample result for sodium is greater than four times the spike amount, no data were qualified due to the low MSD recovery for sodium. Results for the associated sample MW-322 were consistent with historical results.

The MS and MSD recoveries for sample 240-110867-22 associated with QC Batch 240-376844 was below the QC limits for calcium and sodium. The MS recovery was 63 percent and the MSD recovery was 63 percent for calcium. The sample result was 310,000 ug/L and the spike amount was 50,000 ug/L for calcium. Because the sample result is greater than four times the spike amount, no data were qualified due to the high MS/MSD recovery for calcium. The MS recovery was 50 percent and the MSD recovery was 47 percent for sodium. The sample result was 380,000 ug/L and the spike amount was 50,000 ug/L for sodium. Because the sample result is greater than four times the spike amount, no data were qualified due to the high MS/MSD recovery for sodium. Results for the associated sample MW-220 were consistent with historical results for both calcium and sodium.

Chromium and iron were detected in the method blank (MB) 240-376021/1-A associated with samples from Rinse Blank #1, MW-102, MW-113, MW-202, MW-204, MW-224, MW-224 MS/MSD, MW-301, MW-302, MW-304, MW-324, MW-421 MS/MSD, and MW-422. The MB results for chromium and iron were 5.44 J ug/L and 30.3 J ug/L respectively. Several chromium results from the potentially affected samples that were typically non-detect were detected below the RL and already qualified as an estimated value (J). Results from all other potentially affected samples were consistent with historical results. These data have been qualified with a (B) due to the detection of chromium and iron in the MB.

Chromium and sodium were detected in the MB 240-376228/1-A associated with samples from Rinse Blank #2, MW-4, MW-4 Duplicate, MW-101, MW-101 Duplicate, MW-115, MW-116, MW-117, MW-117 Duplicate, MW-201, MW-223, MW-305, MW-305 Duplicate, MW-323, MW-401, MW-402, MW-415, MW-415 MS/MSD. The MB results for chromium and sodium were 1.53 J ug/L and 2020 J ug/L respectively. Several chromium results from the potentially affected samples that were typically non-detect were detected below the RL and already qualified as an estimated value (J), and some of the chromium results for the potentially affected samples appeared to be slightly elevated from historical results. All other results for chromium and sodium for the potentially affected samples were consistent with historical results. These data have been qualified with a (B) due to the detection of chromium and sodium in the MB.

Iron and manganese were detected in the MB 240-376415/1-A associated with samples from Non-Potable Supply Well, Rinse Blank #3, Rinse Blank #5, MW-103, MW-104, MW-105, MW-105 Duplicate, MW-106, MW-114, MW-118, MW-203, MW-205, MW-206, MW-219, MW-303, MW-303 Duplicate, MW-319, MW-320, MW-322, MW-322 MS/MSD, and MW-414. The MB results for iron and manganese were 36.3 J ug/L and 9.90 J ug/L respectively. Results for manganese for MW-219 and MW-319 appeared to be elevated. Several results for manganese from the potentially affected samples that were typically non-detect were detected below the RL and already qualified as an estimated value (J). All other results for iron and manganese for the potentially affected samples were consistent with historical results. These data have been qualified with a (B) due to the detection of iron nor manganese in the MB.

Chromium was detected in the MB 240-376426/1-A associated with samples from Rinse Blank #6, MW-11, MW-107, MW-108, MW-110, MW-111, MW-207, MW-306, MW-307, and MW-321. The MB result for chromium was 1.33 J ug/L. Several results from the potentially affected samples that were typically non-detect were detected below the RL and already qualified as an estimated value (J). Most other results consistent with historical results. These data have been qualified with a (B) due to the detection of chromium in the MB.

The CCV recovery for antimony was above the control limit in batch 240-376401 associated with monitoring points MW-113, MW-202, MW-204, MW-302, and MW-324. The high CCV recovery indicates a potential high bias to the sample results. The results for antimony were non-detect for all of these sample points and are consistent with historical results. No data have been qualified due to the antimony CCV recovery being outside the control limits.

The CCV recovery for beryllium was above the control limit in batch 240-376844 associated with monitoring points Rinse Blank #5, MW-104, MW-106, MW-114, MW-118, MW-203, MW-206, MW-219, MW-303, MW-303 Duplicate, MW-319, MW-320, and MW-414. The high CCV recovery indicates a potential high bias to the sample results. The results for beryllium were non-detect for all of these sample points and are consistent with historical results. No data have been qualified due to the beryllium CCV recovery being outside the control limits.

Mercury

Samples were analyzed for mercury by SW-846 Method 7470A. All analyses were performed within the specified method holding time. There were no QC exceedances associated with the mercury analyses.

Cyanide

Samples were analyzed for cyanide by EPA SW-846 Method 9012B. All analyses were performed within the specified method holding time. The sample from monitoring point MW-415

was diluted five times due to sample matrix interference. There were no other QC exceedances associated with the cyanide analyses.

**Surface-Water Samples**

A surface-water sample and duplicate were collected from the confluence of the south and east ditches. One field blank was collected and a trip blank was analyzed for volatile organic compounds only. Samples were analyzed for VOCs by SW-846 Method 8260C and SVOCs by SW-846 Method 8270D. Site-specific MS/MSD samples also were collected.

Duplicate sample results are compared to original sample results on the attached summary table (Table C-3 of the report) and the 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 samples were received at the laboratory at temperatures of 0.4, 0.6, 1.0, 1.2, 1.4, 1.8 and 2.2°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 and blank spike recoveries were compliant. MS/MSD recoveries also were compliant

The CCV recovery was above the upper control limit for 1,1,2,2-tetrachloroethane in the batch associated with the surface water, surface water duplicate, and surface water field blank. The high CCV recovery indicates a potential high bias to the sample results. The results for 1,1,2,2-tetrachloroethane were non-detect and the non-detect results are consistent with historical results. No data were qualified due the CCV recovery exceedance.

Semi-Volatile Organic Compounds

Samples were analyzed for SVOCs by SW-846 Method 8270D. All extractions and analyses were performed within the required method hold times. All surrogate recoveries were compliant. MS/MSD recoveries also 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 4.22J ug/L. The surface-water sample, duplicate surface-water sample, and field blank sample results were ND (4.5 ug/L), ND (4.5 ug/L), and 4.3J ug/L, respectively. The similarity of the field blank sample results to the method blank results suggests that the detections are from a laboratory derived source and are not present in the field blank sample. The diethyl phthalate result for the field blank sample has been qualified with a (B) due to the detection of diethyl phthalate in the MB.

The CCV recoveries were above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 2-Nitroaniline in the batch associated with the surface water, surface water duplicate, and surface water field blank. The high CCV recoveries indicate potential high bias to the sample results. The results for these parameters were non-detect and the non-detect results are consistent with historical results. No data were qualified due the CCV recovery exceedances.

**Summary**

The April 2019 monitoring event at the Summit National Superfund Site included collection of groundwater samples from 51 monitoring wells and one non-potable water well. In

addition, one surface water sample was collected. The appropriate number of duplicate samples, rinse blank samples, and MS/MSD samples were collected and analyzed 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 described in the preceding text and are summarized on the attached Table C-2. No data were rejected so completeness for the April 2019 groundwater monitoring event is 100 percent.

# TABLE C-1.
# RELATIVE PERCENT DIFFERENCES OF QUANTIFIED RESULTS
# SUMMIT NATIONAL SUPERFUND SITE

| Location | | | | |
|---|---|---|---|---|
| **Parameter** | **Units** | **Investigative Sample** | **Duplicate Sample** | **RPD[1]** |
| **MW-101** | | GW-040919-NK-017 | GW-040919-NK-019 | |
| Calcium | mg/L | 270 | 270 | 0 |
| Cobalt | mg/L | 0.043 | 0.044 | 2.3 |
| Iron | mg/L | 25 | 26 | 3.9 |
| Magnesium | mg/L | 130 | 130 | 0 |
| Manganese | mg/L | 5.2 | 5.3 | 1.9 |
| Nickel | mg/L | 0.085 | 0.082 | 3.6 |
| Potassium | mg/L | 6 | 6.1 | 1.7 |
| Sodium | mg/L | 33 | 33 | 0 |
| Zinc | mg/L | 0.14 | 0.14 | 0 |
| **MW-105** | | GW-041019-AB-026 | GW-041019-AB-028 | |
| Aluminum | mg/L | 0.28 | 0.27 | 3.6 |
| Calcium | mg/L | 280 | 290 | 3.5 |
| Iron | mg/L | 23 | 23 | 0 |
| Magnesium | mg/L | 95 | 100 | 5.1 |
| Manganese | mg/L | 4.4 | 4.7 | 6.6 |
| Potassium | mg/L | 8.8 | 9.3 | 5.5 |
| Sodium | mg/L | 180 | 180 | 0 |
| Zinc | mg/L | ND[2] <50 | 0.051 | NC[3] |
| **MW-117** | | GW-041019-AB-014 | GW-041019-AB-016 | |
| Calcium | mg/L | 420 | 440 | 4.7 |
| Chromium | mg/L | ND[2] <10 | 0.012 | NC[3] |
| Iron | mg/L | 5.2 | 6 | 14.3 |
| Magnesium | mg/L | 110 | 120 | 8.7 |
| Manganese | mg/L | 3.9 | 4.1 | 5.0 |
| Nickel | mg/L | ND[2] <40 | 0.043 | NC[3] |
| Potassium | mg/L | 13 | 13 | 0 |
| Sodium | mg/L | 45 | 47 | 4.3 |
| **MW-303** | | GW-041119-AB-034 | GW-041119-AB-036 | |
| Calcium | mg/L | 28 | 28 | 0 |
| Chromium | mg/L | ND[2] <10 | 0.013 | NC[3] |
| Iron | mg/L | 0.36 | 0.46 | 24.4 |
| Magnesium | mg/L | 12 | 12 | 0 |
| Manganese | mg/L | 0.027 | 0.027 | 0 |
| Potassium | mg/L | 7.2 | 7.2 | 0 |
| Sodium | mg/L | 770 | 770 | 0 |

***Notes:***

[1] RPD - Relative Percent Difference

[2] ND - Non-Detect

[3] NC - Not Calculable

# TABLE C-1.
# RELATIVE PERCENT DIFFERENCES OF QUANTIFIED RESULTS
# SUMMIT NATIONAL SUPERFUND SITE

| Location | | | | |
|---|---|---|---|---|
| **Parameter** | **Units** | **Investigative Sample** | **Duplicate Sample** | **RPD[1]** |
| **MW-305** | | GW-041019-NK-045 | GW-041019-NK-047 | |
| Calcium | mg/L | 59 | 67 | 12.7 |
| Chromium | mg/L | 0.016 | 0.02 | 22.2 |
| Iron | mg/L | 7.4 | 9.3 | 22.8 |
| Magnesium | mg/L | 18 | 20 | 10.5 |
| Manganese | mg/L | 0.31 | 0.37 | 17.6 |
| Potassium | mg/L | 7 | 7.7 | 9.5 |
| Sodium | mg/L | 440 | 480 | 8.7 |
| **MW-4** | | GW-041019-NK-037 | GW-041019-NK-039 | |
| Calcium | mg/L | 360 | 330 | 8.7 |
| Cobalt | mg/L | 0.028 | 0.014 | 66.7 |
| Iron | mg/L | 4.4 | 2.8 | 44.4 |
| Magnesium | mg/L | 200 | 180 | 10.5 |
| Manganese | mg/L | 2.7 | 1.4 | 63.4 |
| Potassium | mg/L | 6.1 | 5.6 | 8.5 |
| Sodium | mg/L | 17 | 15 | 12.5 |
| **Surface Water** | | SW-041019-AG-021 | SW-041019-AG-023 | |
| cis-1,2-Dichloroethene | ug/L | 1.6 | 1.7 | 6.1 |

***Notes:***

[1] RPD - Relative Percent Difference
[2] ND - Non-Detect
[3] NC - Not Calculable

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | |
| MW-106 | 1,1,1-Trichloroethane | 0.89 | 1 | ug/L | J |
| MW-107 | 1,1,1-Trichloroethane | 3.2 | 10 | ug/L | J |
| MW-111 | 1,1,1-Trichloroethane | 0.8 | 1 | ug/L | J |
| MW-107 | 1,1,2-Trichloroethane | 3.4 | 10 | ug/L | J |
| MW-108 | 1,1,2-Trichloroethane | 0.37 | 1.3 | ug/L | J |
| MW-11 | 1,1,2-Trichloroethane | 0.2 | 1 | ug/L | J |
| MW-321 | 1,1-Dichloroethane | 0.42 | 1 | ug/L | J |
| MW-11 | 1,1-Dichloroethene | 0.73 | 1 | ug/L | J |
| MW-111 | 1,1-Dichloroethene | 0.4 | 1 | ug/L | J |
| MW-106 | 1,2-Dichloroethane | 0.69 | 1 | ug/L | J |
| MW-11 | 1,2-Dichloroethane | 0.9 | 1 | ug/L | J |
| MW-115 | 1,2-Dichloroethane | 0.37 | 1 | ug/L | J |
| MW-223 | 1,2-Dichloroethene, Total | 1.7 | 2 | ug/L | J |
| MW-113 | Acetone | 6.5 | 10 | ug/L | J |
| MW-223 | Acetone | 6.5 | 10 | ug/L | J |
| MW-401 | Acetone | 6.6 | 10 | ug/L | J |
| MW-402 | Acetone | 5.7 | 10 | ug/L | J |
| MW-11 | Benzene | 0.25 | 1 | ug/L | J |
| MW-111 | Benzene | 0.18 | 1 | ug/L | J |
| MW-402 | Benzene | 0.42 | 1 | ug/L | J |
| MW-402 | Carbon disulfide | 0.41 | 1 | ug/L | J |
| MW-415 | Carbon disulfide | 0.28 | 1 | ug/L | J |
| MW-108 | Chlorobenzene | 0.29 | 1.3 | ug/L | J |
| MW-415 | cis-1,2-Dichloroethene | 0.19 | 1 | ug/L | J |
| MW-108 | Ethylbenzene | 0.37 | 1.3 | ug/L | J |
| MW-108 | Toluene | 0.81 | 1.3 | ug/L | J |
| MW-108 | trans-1,2-Dichloroethene | 6.3 | 13 | ug/L | J |
| MW-11 | trans-1,2-Dichloroethene | 0.8 | 1 | ug/L | J |
| MW-111 | trans-1,2-Dichloroethene | 0.2 | 1 | ug/L | J |
| MW-223 | Trichloroethene | 0.28 | 1 | ug/L | J |
| MW-415 | Trichloroethene | 0.16 | 1 | ug/L | J |
| MW-108 | Xylenes, Total | 0.64 | 2.5 | ug/L | J |
| **Semi-Volatile Compounds** | | | | | |
| MW-107 | Diethyl phthalate | 3.4 | 4.5 | ug/L | J |
| **Cyanide** | | | | | |
| MW-105 | Cyanide, Total | 0.0069 | 0.01 | mg/L | J |
| MW-105 (Dup) | Cyanide, Total | 0.0076 | 0.01 | mg/L | J |
| MW-107 | Cyanide, Total | 0.0066 | 0.01 | mg/L | J |
| **Metals (Total)** | | | | | |
| MW-103 | Aluminum | 85 | 200 | ug/L | J |
| MW-111 | Aluminum | 150 | 200 | ug/L | J |
| MW-115 | Aluminum | 100 | 200 | ug/L | J |
| MW-116 | Aluminum | 64 | 200 | ug/L | J |
| MW-203 | Aluminum | 150 | 200 | ug/L | J |
| MW-207 | Aluminum | 54 | 200 | ug/L | J |
| MW-220 | Aluminum | 57 | 200 | ug/L | J |
| MW-304 | Aluminum | 74 | 200 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-306 | Aluminum | 99 | 200 | ug/L | J |
| MW-309 | Aluminum | 150 | 200 | ug/L | J |
| MW-320 | Aluminum | 67 | 200 | ug/L | J |
| MW-321 | Aluminum | 130 | 200 | ug/L | J |
| MW-4 | Aluminum | 73 | 200 | ug/L | J |
| MW-414 | Aluminum | 130 | 200 | ug/L | J |
| MW-421 | Aluminum | 130 | 200 | ug/L | J |
| MW-422 | Aluminum | 74 | 200 | ug/L | J |
| MW-101 | Arsenic | 5.2 | 15 | ug/L | J |
| MW-101 (Dup) | Arsenic | 6.4 | 15 | ug/L | J |
| MW-105 | Arsenic | 13 | 15 | ug/L | J |
| MW-105 (Dup) | Arsenic | 11 | 15 | ug/L | J |
| MW-111 | Arsenic | 12 | 15 | ug/L | J |
| MW-113 | Arsenic | 7.9 | 15 | ug/L | J |
| MW-101 | Barium | 6.9 | 200 | ug/L | J |
| MW-101 (Dup) | Barium | 6.8 | 200 | ug/L | J |
| MW-102 | Barium | 8.3 | 200 | ug/L | J |
| MW-103 | Barium | 9.6 | 200 | ug/L | J |
| MW-104 | Barium | 41 | 200 | ug/L | J |
| MW-105 | Barium | 20 | 200 | ug/L | J |
| MW-105 (Dup) | Barium | 21 | 200 | ug/L | J |
| MW-106 | Barium | 5.4 | 200 | ug/L | J |
| MW-108 | Barium | 45 | 200 | ug/L | J |
| MW-109 | Barium | 8.3 | 200 | ug/L | J |
| MW-11 | Barium | 10 | 200 | ug/L | J |
| MW-110 | Barium | 40 | 200 | ug/L | J |
| MW-111 | Barium | 8.6 | 200 | ug/L | J |
| MW-113 | Barium | 15 | 200 | ug/L | J |
| MW-114 | Barium | 13 | 200 | ug/L | J |
| MW-115 | Barium | 9.7 | 200 | ug/L | J |
| MW-116 | Barium | 7 | 200 | ug/L | J |
| MW-117 | Barium | 5.6 | 200 | ug/L | J |
| MW-117 (Dup) | Barium | 6 | 200 | ug/L | J |
| MW-118 | Barium | 12 | 200 | ug/L | J |
| MW-201 | Barium | 14 | 200 | ug/L | J |
| MW-202 | Barium | 190 | 200 | ug/L | J |
| MW-203 | Barium | 15 | 200 | ug/L | J |
| MW-204 | Barium | 8.7 | 200 | ug/L | J |
| MW-205 | Barium | 3 | 200 | ug/L | J |
| MW-206 | Barium | 29 | 200 | ug/L | J |
| MW-207 | Barium | 5.7 | 200 | ug/L | J |
| MW-209 | Barium | 12 | 200 | ug/L | J |
| MW-219 | Barium | 14 | 200 | ug/L | J |
| MW-220 | Barium | 18 | 200 | ug/L | J |
| MW-223 | Barium | 13 | 200 | ug/L | J |
| MW-224 | Barium | 7.6 | 200 | ug/L | J |
| MW-301 | Barium | 14 | 200 | ug/L | J |
| MW-302 | Barium | 53 | 200 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-303 | Barium | 21 | 200 | ug/L | J |
| MW-303 (Dup) | Barium | 22 | 200 | ug/L | J |
| MW-304 | Barium | 16 | 200 | ug/L | J |
| MW-305 | Barium | 4 | 200 | ug/L | J |
| MW-305 (Dup) | Barium | 4.8 | 200 | ug/L | J |
| MW-306 | Barium | 30 | 200 | ug/L | J |
| MW-307 | Barium | 27 | 200 | ug/L | J |
| MW-309 | Barium | 36 | 200 | ug/L | J |
| MW-319 | Barium | 110 | 200 | ug/L | J |
| MW-320 | Barium | 98 | 200 | ug/L | J |
| MW-321 | Barium | 40 | 200 | ug/L | J |
| MW-322 | Barium | 11 | 200 | ug/L | J |
| MW-323 | Barium | 24 | 200 | ug/L | J |
| MW-324 | Barium | 14 | 200 | ug/L | J |
| MW-4 | Barium | 18 | 200 | ug/L | J |
| MW-4 (Dup) | Barium | 13 | 200 | ug/L | J |
| MW-401 | Barium | 64 | 200 | ug/L | J |
| MW-402 | Barium | 55 | 200 | ug/L | J |
| MW-414 | Barium | 13 | 200 | ug/L | J |
| MW-415 | Barium | 10 | 200 | ug/L | J |
| MW-421 | Barium | 110 | 200 | ug/L | J |
| MW-422 | Barium | 14 | 200 | ug/L | J |
| Non-Potable Supply Well | Barium | 100 | 200 | ug/L | J |
| MW-105 | Beryllium | 1 | 5 | ug/L | J |
| MW-105 (Dup) | Beryllium | 1.1 | 5 | ug/L | J |
| MW-101 | Cadmium | 0.6 | 5 | ug/L | J |
| MW-101 (Dup) | Cadmium | 0.67 | 5 | ug/L | J |
| MW-102 | Cadmium | 0.83 | 5 | ug/L | J |
| MW-106 | Cadmium | 0.24 | 5 | ug/L | J |
| MW-109 | Cadmium | 0.32 | 5 | ug/L | J |
| MW-11 | Cadmium | 0.23 | 5 | ug/L | J |
| MW-111 | Cadmium | 0.2 | 5 | ug/L | J |
| MW-113 | Cadmium | 0.81 | 5 | ug/L | J |
| MW-115 | Cadmium | 0.4 | 5 | ug/L | J |
| MW-116 | Cadmium | 0.8 | 5 | ug/L | J |
| MW-117 | Cadmium | 0.51 | 5 | ug/L | J |
| MW-117 (Dup) | Cadmium | 0.59 | 5 | ug/L | J |
| MW-201 | Cadmium | 0.43 | 5 | ug/L | J |
| MW-204 | Cadmium | 0.66 | 5 | ug/L | J |
| MW-223 | Cadmium | 0.53 | 5 | ug/L | J |
| MW-224 | Cadmium | 0.43 | 5 | ug/L | J |
| MW-305 (Dup) | Cadmium | 0.22 | 5 | ug/L | J |
| MW-324 | Cadmium | 0.49 | 5 | ug/L | J |
| MW-4 | Cadmium | 0.67 | 5 | ug/L | J |
| MW-4 (Dup) | Cadmium | 0.5 | 5 | ug/L | J |
| MW-302 | Calcium | 3000 | 5000 | ug/L | J |
| MW-306 | Calcium | 4700 | 5000 | ug/L | J |
| MW-309 | Calcium | 3800 | 5000 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-320 | Calcium | 2200 | 5000 | ug/L | J |
| MW-323 | Calcium | 4200 | 5000 | ug/L | J |
| MW-401 | Calcium | 2300 | 5000 | ug/L | J |
| MW-402 | Calcium | 1900 | 5000 | ug/L | J |
| MW-414 | Calcium | 3900 | 5000 | ug/L | J |
| MW-415 | Calcium | 2700 | 5000 | ug/L | J |
| MW-421 | Calcium | 3000 | 5000 | ug/L | J |
| MW-422 | Calcium | 4000 | 5000 | ug/L | J |
| Non-Potable Supply Well | Calcium | 2100 | 5000 | ug/L | J |
| MW-101 | Chromium | 6.3 | 10 | ug/L | J |
| MW-101 (Dup) | Chromium | 2.7 | 10 | ug/L | J |
| MW-102 | Chromium | 2.2 | 10 | ug/L | J |
| MW-103 | Chromium | 2.1 | 10 | ug/L | J |
| MW-104 | Chromium | 1.8 | 10 | ug/L | J |
| MW-105 | Chromium | 9.5 | 10 | ug/L | J |
| MW-105 (Dup) | Chromium | 9.1 | 10 | ug/L | J |
| MW-106 | Chromium | 3 | 10 | ug/L | J |
| MW-108 | Chromium | 3.5 | 10 | ug/L | J |
| MW-109 | Chromium | 1.5 | 10 | ug/L | J |
| MW-11 | Chromium | 1.2 | 10 | ug/L | J |
| MW-110 | Chromium | 5.6 | 10 | ug/L | J |
| MW-111 | Chromium | 3.4 | 10 | ug/L | J |
| MW-113 | Chromium | 2.9 | 10 | ug/L | J |
| MW-114 | Chromium | 2.7 | 10 | ug/L | J |
| MW-116 | Chromium | 7.6 | 10 | ug/L | J |
| MW-117 | Chromium | 7.6 | 10 | ug/L | J |
| MW-201 | Chromium | 2.9 | 10 | ug/L | J |
| MW-203 | Chromium | 9.3 | 10 | ug/L | J |
| MW-204 | Chromium | 1.7 | 10 | ug/L | J |
| MW-206 | Chromium | 8.5 | 10 | ug/L | J |
| MW-207 | Chromium | 2.6 | 10 | ug/L | J |
| MW-209 | Chromium | 2.5 | 10 | ug/L | J |
| MW-219 | Chromium | 4.5 | 10 | ug/L | J |
| MW-220 | Chromium | 2.8 | 10 | ug/L | J |
| MW-223 | Chromium | 1.2 | 10 | ug/L | J |
| MW-224 | Chromium | 1 | 10 | ug/L | J |
| MW-303 | Chromium | 9.8 | 10 | ug/L | J |
| MW-307 | Chromium | 3.6 | 10 | ug/L | J |
| MW-319 | Chromium | 4.6 | 10 | ug/L | J |
| MW-320 | Chromium | 1.1 | 10 | ug/L | J |
| MW-321 | Chromium | 2.6 | 10 | ug/L | J |
| MW-322 | Chromium | 1.1 | 10 | ug/L | J |
| MW-324 | Chromium | 1.3 | 10 | ug/L | J |
| MW-4 | Chromium | 0.71 | 10 | ug/L | J |
| MW-401 | Chromium | 6.3 | 10 | ug/L | J |
| MW-415 | Chromium | 1 | 10 | ug/L | J |
| MW-421 | Chromium | 3.2 | 10 | ug/L | J |
| MW-422 | Chromium | 1.4 | 10 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-105 | Cobalt | 6.8 | 10 | ug/L | J |
| MW-105 (Dup) | Cobalt | 7.2 | 10 | ug/L | J |
| MW-106 | Cobalt | 0.88 | 10 | ug/L | J |
| MW-107 | Cobalt | 2 | 10 | ug/L | J |
| MW-108 | Cobalt | 2.4 | 10 | ug/L | J |
| MW-11 | Cobalt | 2.5 | 10 | ug/L | J |
| MW-111 | Cobalt | 3 | 10 | ug/L | J |
| MW-113 | Cobalt | 2.1 | 10 | ug/L | J |
| MW-117 | Cobalt | 1.9 | 10 | ug/L | J |
| MW-117 (Dup) | Cobalt | 2.3 | 10 | ug/L | J |
| MW-118 | Cobalt | 4 | 10 | ug/L | J |
| MW-205 | Cobalt | 1.9 | 10 | ug/L | J |
| MW-206 | Cobalt | 1 | 10 | ug/L | J |
| MW-209 | Cobalt | 2.4 | 10 | ug/L | J |
| MW-223 | Cobalt | 7 | 10 | ug/L | J |
| MW-302 | Cobalt | 2.8 | 10 | ug/L | J |
| MW-106 | Copper | 7.3 | 25 | ug/L | J |
| MW-109 | Copper | 3.5 | 25 | ug/L | J |
| MW-111 | Copper | 3.5 | 25 | ug/L | J |
| MW-114 | Copper | 3.8 | 25 | ug/L | J |
| MW-115 | Copper | 4.6 | 25 | ug/L | J |
| MW-118 | Copper | 4.8 | 25 | ug/L | J |
| MW-206 | Copper | 3.7 | 25 | ug/L | J |
| MW-301 | Copper | 8.9 | 25 | ug/L | J |
| MW-302 | Copper | 10 | 25 | ug/L | J |
| MW-303 (Dup) | Copper | 5.1 | 25 | ug/L | J |
| MW-304 | Copper | 3.9 | 25 | ug/L | J |
| MW-305 | Copper | 4.3 | 25 | ug/L | J |
| MW-305 (Dup) | Copper | 5.6 | 25 | ug/L | J |
| MW-323 | Copper | 7.9 | 25 | ug/L | J |
| MW-402 | Copper | 10 | 25 | ug/L | J |
| MW-421 | Copper | 14 | 25 | ug/L | J |
| MW-422 | Copper | 4.6 | 25 | ug/L | J |
| Non-Potable Supply Well | Copper | 15 | 25 | ug/L | J |
| MW-116 | Iron | 230 | 200 | ug/L | J- |
| MW-201 | Iron | 1500 | 200 | ug/L | J- |
| MW-219 | Iron | 190 | 200 | ug/L | J |
| MW-220 | Iron | 60 | 200 | ug/L | J |
| MW-322 | Iron | 63 | 200 | ug/L | J |
| MW-323 | Iron | 690 | 200 | ug/L | J- |
| MW-324 | Iron | 53 | 200 | ug/L | J |
| MW-401 | Iron | 4600 | 200 | ug/L | J- |
| Non-Potable Supply Well | Iron | 100 | 200 | ug/L | J |
| MW-203 | Lead | 5.5 | 10 | ug/L | J |
| MW-301 | Lead | 2.8 | 10 | ug/L | J |
| MW-302 | Lead | 3.9 | 10 | ug/L | J |
| MW-203 | Magnesium | 4300 | 5000 | ug/L | J |
| MW-219 | Magnesium | 2900 | 5000 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-302 | Magnesium | 1800 | 5000 | ug/L | J |
| MW-306 | Magnesium | 2400 | 5000 | ug/L | J |
| MW-307 | Magnesium | 2000 | 5000 | ug/L | J |
| MW-309 | Magnesium | 1400 | 5000 | ug/L | J |
| MW-319 | Magnesium | 2500 | 5000 | ug/L | J |
| MW-320 | Magnesium | 820 | 5000 | ug/L | J |
| MW-321 | Magnesium | 2800 | 5000 | ug/L | J |
| MW-323 | Magnesium | 1700 | 5000 | ug/L | J |
| MW-401 | Magnesium | 1100 | 5000 | ug/L | J |
| MW-402 | Magnesium | 1400 | 5000 | ug/L | J |
| MW-414 | Magnesium | 1700 | 5000 | ug/L | J |
| MW-415 | Magnesium | 1100 | 5000 | ug/L | J |
| MW-421 | Magnesium | 900 | 5000 | ug/L | J |
| MW-422 | Magnesium | 1800 | 5000 | ug/L | J |
| Non-Potable Supply Well | Magnesium | 850 | 5000 | ug/L | J |
| MW-203 | Manganese | 8.2 | 15 | ug/L | J |
| MW-301 | Manganese | 7.3 | 15 | ug/L | J |
| MW-306 | Manganese | 10 | 15 | ug/L | J |
| MW-307 | Manganese | 9.4 | 15 | ug/L | J |
| MW-309 | Manganese | 6.3 | 15 | ug/L | J |
| MW-319 | Manganese | 8.2 | 15 | ug/L | J |
| MW-320 | Manganese | 9.3 | 15 | ug/L | J |
| MW-321 | Manganese | 12 | 15 | ug/L | J |
| MW-414 | Manganese | 13 | 15 | ug/L | J |
| Non-Potable Supply Well | Manganese | 3.5 | 15 | ug/L | J |
| MW-103 | Nickel | 4 | 40 | ug/L | J |
| MW-104 | Nickel | 4.7 | 40 | ug/L | J |
| MW-105 | Nickel | 28 | 40 | ug/L | J |
| MW-105 (Dup) | Nickel | 29 | 40 | ug/L | J |
| MW-106 | Nickel | 11 | 40 | ug/L | J |
| MW-107 | Nickel | 9.9 | 40 | ug/L | J |
| MW-108 | Nickel | 5.8 | 40 | ug/L | J |
| MW-11 | Nickel | 4.3 | 40 | ug/L | J |
| MW-110 | Nickel | 5.1 | 40 | ug/L | J |
| MW-111 | Nickel | 12 | 40 | ug/L | J |
| MW-113 | Nickel | 18 | 40 | ug/L | J |
| MW-114 | Nickel | 25 | 40 | ug/L | J |
| MW-115 | Nickel | 31 | 40 | ug/L | J |
| MW-116 | Nickel | 7.5 | 40 | ug/L | J |
| MW-117 | Nickel | 37 | 40 | ug/L | J |
| MW-118 | Nickel | 26 | 40 | ug/L | J |
| MW-201 | Nickel | 3.6 | 40 | ug/L | J |
| MW-202 | Nickel | 11 | 40 | ug/L | J |
| MW-203 | Nickel | 6.7 | 40 | ug/L | J |
| MW-204 | Nickel | 2.3 | 40 | ug/L | J |
| MW-205 | Nickel | 15 | 40 | ug/L | J |
| MW-206 | Nickel | 7.7 | 40 | ug/L | J |
| MW-207 | Nickel | 2.5 | 40 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-209 | Nickel | 5.2 | 40 | ug/L | J |
| MW-219 | Nickel | 3.8 | 40 | ug/L | J |
| MW-220 | Nickel | 4.7 | 40 | ug/L | J |
| MW-223 | Nickel | 17 | 40 | ug/L | J |
| MW-224 | Nickel | 2.3 | 40 | ug/L | J |
| MW-301 | Nickel | 14 | 40 | ug/L | J |
| MW-302 | Nickel | 17 | 40 | ug/L | J |
| MW-303 | Nickel | 7.5 | 40 | ug/L | J |
| MW-303 (Dup) | Nickel | 8.9 | 40 | ug/L | J |
| MW-304 | Nickel | 30 | 40 | ug/L | J |
| MW-305 | Nickel | 9.6 | 40 | ug/L | J |
| MW-305 (Dup) | Nickel | 13 | 40 | ug/L | J |
| MW-306 | Nickel | 6.8 | 40 | ug/L | J |
| MW-307 | Nickel | 4 | 40 | ug/L | J |
| MW-309 | Nickel | 6.6 | 40 | ug/L | J |
| MW-319 | Nickel | 3.2 | 40 | ug/L | J |
| MW-320 | Nickel | 3.6 | 40 | ug/L | J |
| MW-321 | Nickel | 2.3 | 40 | ug/L | J |
| MW-323 | Nickel | 13 | 40 | ug/L | J |
| MW-324 | Nickel | 2.2 | 40 | ug/L | J |
| MW-4 | Nickel | 8.2 | 40 | ug/L | J |
| MW-4 (Dup) | Nickel | 5.4 | 40 | ug/L | J |
| MW-401 | Nickel | 14 | 40 | ug/L | J |
| MW-402 | Nickel | 23 | 40 | ug/L | J |
| MW-415 | Nickel | 3.5 | 40 | ug/L | J |
| MW-421 | Nickel | 9.1 | 40 | ug/L | J |
| MW-422 | Nickel | 10 | 40 | ug/L | J |
| Non-Potable Supply Well | Nickel | 4.9 | 40 | ug/L | J |
| MW-103 | Potassium | 2800 | 5000 | ug/L | J |
| MW-104 | Potassium | 3800 | 5000 | ug/L | J |
| MW-108 | Potassium | 4400 | 5000 | ug/L | J |
| MW-109 | Potassium | 2400 | 5000 | ug/L | J |
| MW-110 | Potassium | 1400 | 5000 | ug/L | J |
| MW-219 | Potassium | 4200 | 5000 | ug/L | J |
| MW-302 | Potassium | 4600 | 5000 | ug/L | J |
| MW-306 | Potassium | 4000 | 5000 | ug/L | J |
| MW-307 | Potassium | 4600 | 5000 | ug/L | J |
| MW-309 | Potassium | 3500 | 5000 | ug/L | J |
| MW-320 | Potassium | 2600 | 5000 | ug/L | J |
| MW-321 | Potassium | 4500 | 5000 | ug/L | J |
| MW-323 | Potassium | 3600 | 5000 | ug/L | J |
| MW-401 | Potassium | 3300 | 5000 | ug/L | J |
| MW-402 | Potassium | 3400 | 5000 | ug/L | J |
| MW-414 | Potassium | 3600 | 5000 | ug/L | J |
| MW-415 | Potassium | 3100 | 5000 | ug/L | J |
| MW-421 | Potassium | 2900 | 5000 | ug/L | J |
| MW-422 | Potassium | 3700 | 5000 | ug/L | J |
| Non-Potable Supply Well | Potassium | 2900 | 5000 | ug/L | J |

# TABLE C-2.
# SUMMARY OF QUALIFIED RESULTS
# APRIL 2019 SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Well ID | Parameter | Result | PQL | Units | Qualifier |
|---|---|---|---|---|---|
| **Metals (Total) cont'd** | | | | | |
| MW-110 | Sodium | 3800 | 5000 | ug/L | J |
| MW-113 | Thallium | 2.9 | 20 | ug/L | J |
| MW-220 | Thallium | 2.7 | 20 | ug/L | J |
| MW-323 | Thallium | 5.6 | 20 | ug/L | J |
| MW-401 | Thallium | 4 | 20 | ug/L | J |
| MW-302 | Vanadium | 15 | 50 | ug/L | J |
| MW-309 | Vanadium | 5.8 | 50 | ug/L | J |
| MW-4 | Vanadium | 5.9 | 50 | ug/L | J |
| MW-401 | Vanadium | 5.7 | 50 | ug/L | J |
| MW-402 | Vanadium | 7 | 50 | ug/L | J |
| MW-105 | Zinc | 48 | 50 | ug/L | J |
| MW-109 | Zinc | 44 | 50 | ug/L | J |
| MW-11 | Zinc | 16 | 50 | ug/L | J |
| MW-117 | Zinc | 20 | 50 | ug/L | J |
| MW-117 (Dup) | Zinc | 22 | 50 | ug/L | J |
| MW-206 | Zinc | 12 | 50 | ug/L | J |
| MW-224 | Zinc | 13 | 50 | ug/L | J |
| MW-302 | Zinc | 17 | 50 | ug/L | J |
| MW-309 | Zinc | 20 | 50 | ug/L | J |
| MW-320 | Zinc | 9.7 | 50 | ug/L | J |
| MW-402 | Zinc | 13 | 50 | ug/L | J |
| Non-Potable Supply Well | Zinc | 40 | 50 | ug/L | J |

(J) - Estimated Result
(J -) - Estimated Result with Potential Low Bias
(UJ) - Estimated Non-Detect Result

# APPENDIX D.

# TIME-SERIES PLOTS OF WATER-QUALITY DATA

# WATER TABLE UNIT WELLS

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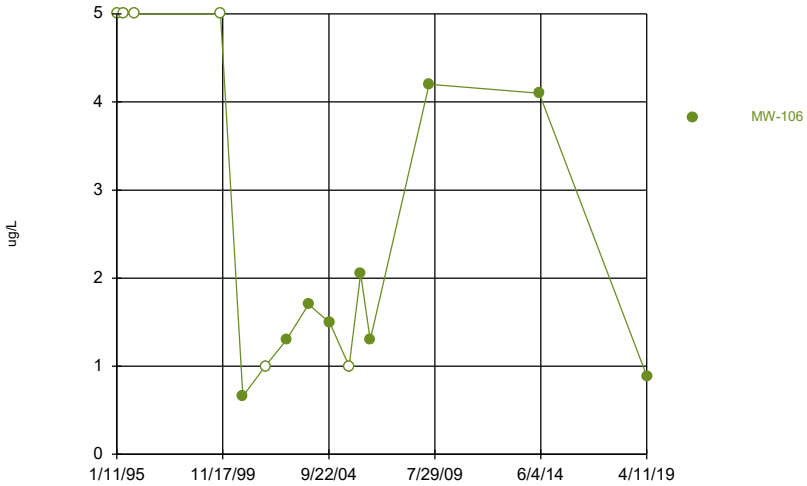
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1,1-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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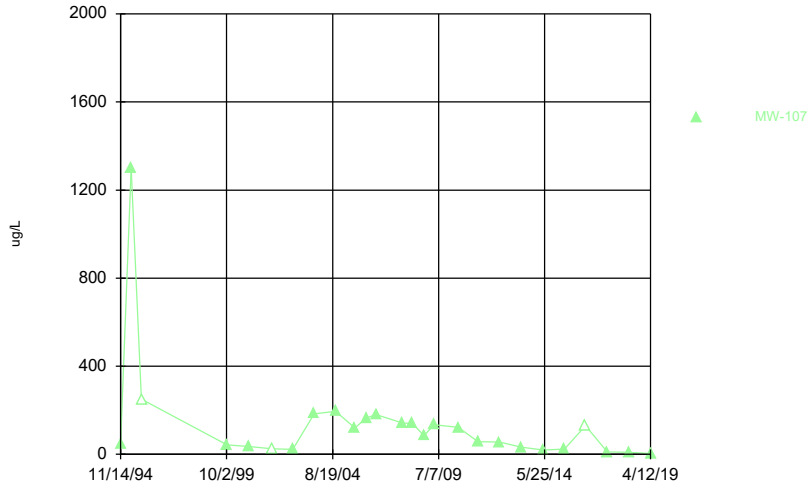
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1,1-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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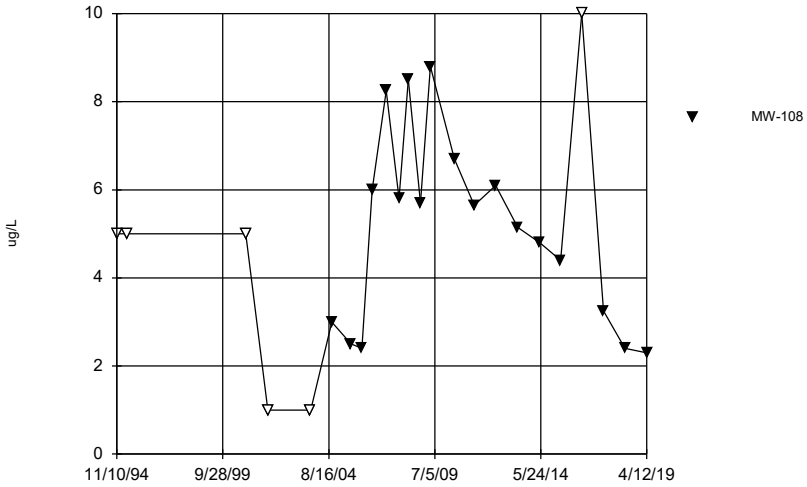
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1,1-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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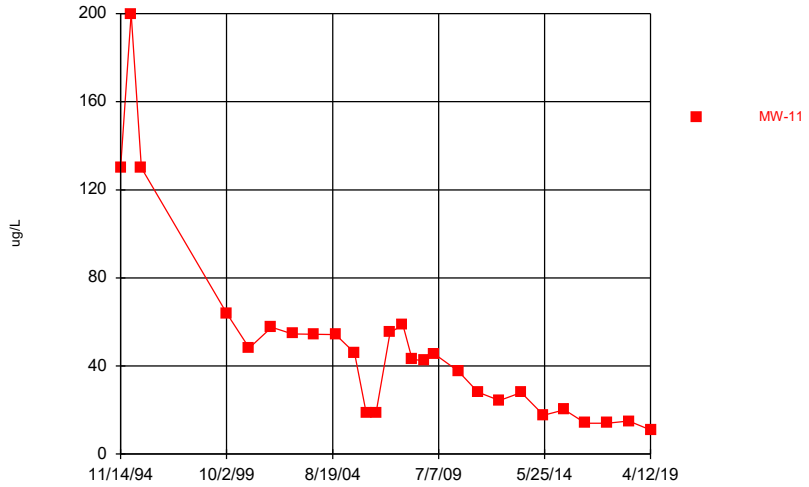
## Time Series




Constituent: 1,1,1-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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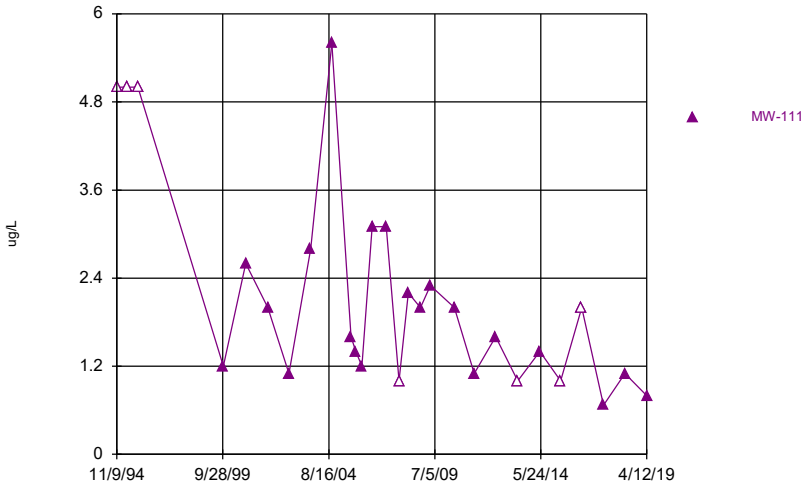
Hollow symbols indicate censored values.

## Time Series

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Summit National Site Client: Summit National Site Data: Summit.National.Database

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Hollow symbols indicate censored values.

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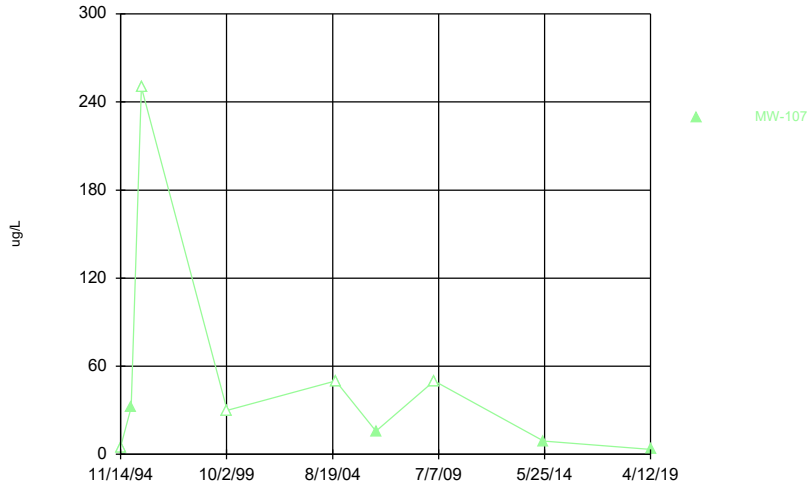


Constituent: 1,1,2-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
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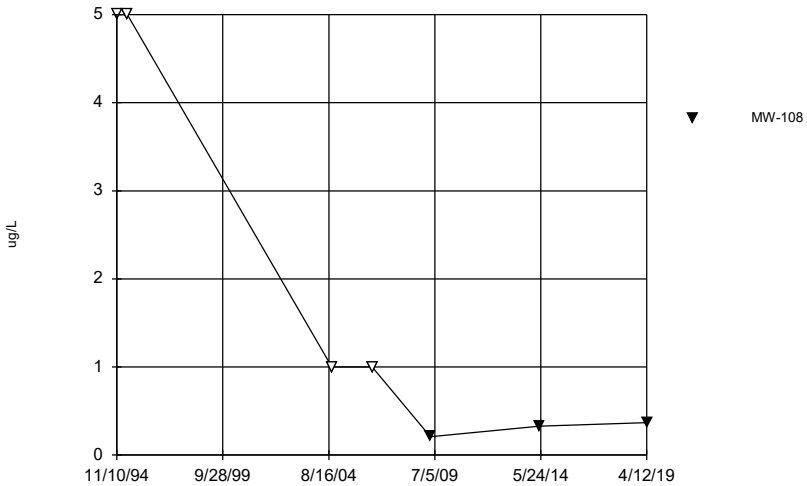
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1,2-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
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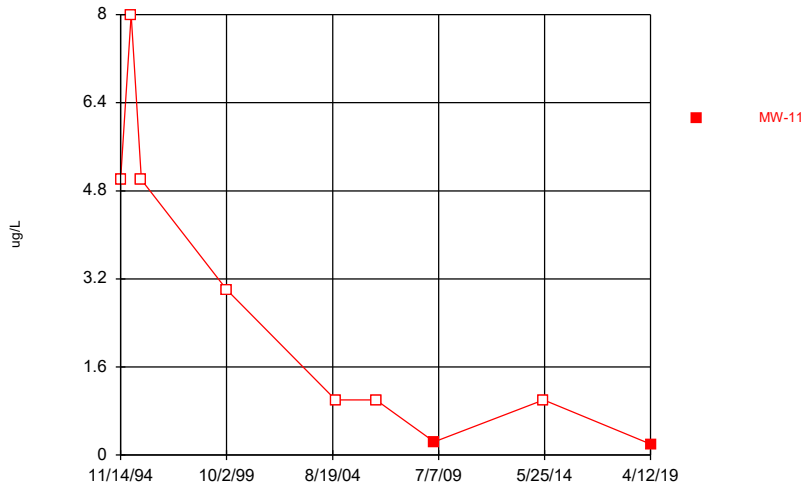
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1,2-Trichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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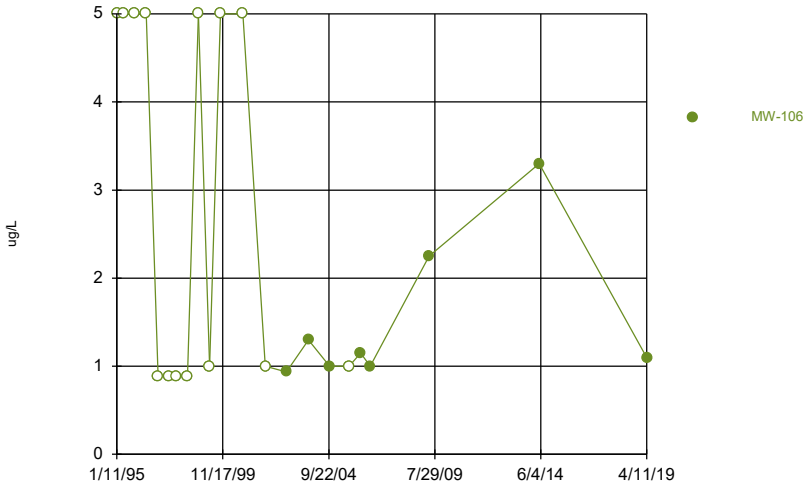
Hollow symbols indicate censored values.

Time Series




Constituent: 1,1-Dichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
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Hollow symbols indicate censored values.

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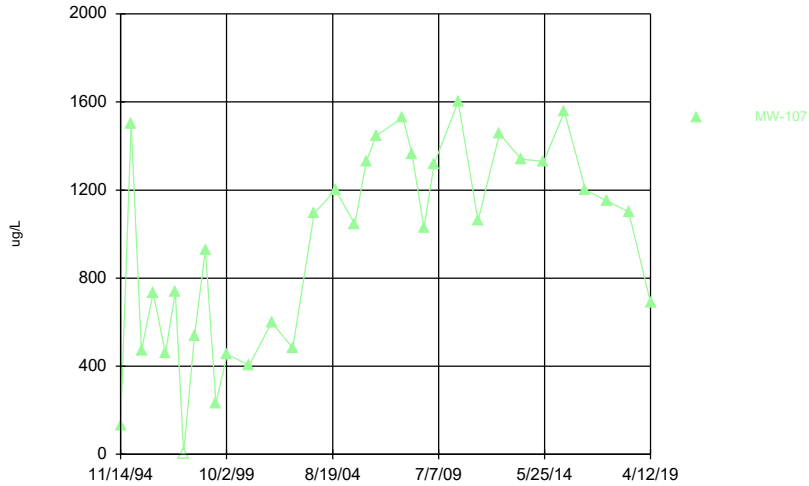


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Summit National Site Client: Summit National Site Data: Summit.National.Database

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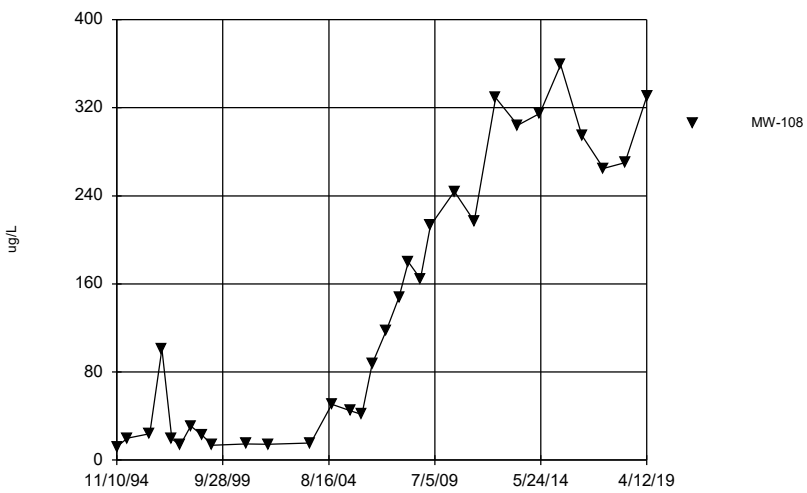
Time Series

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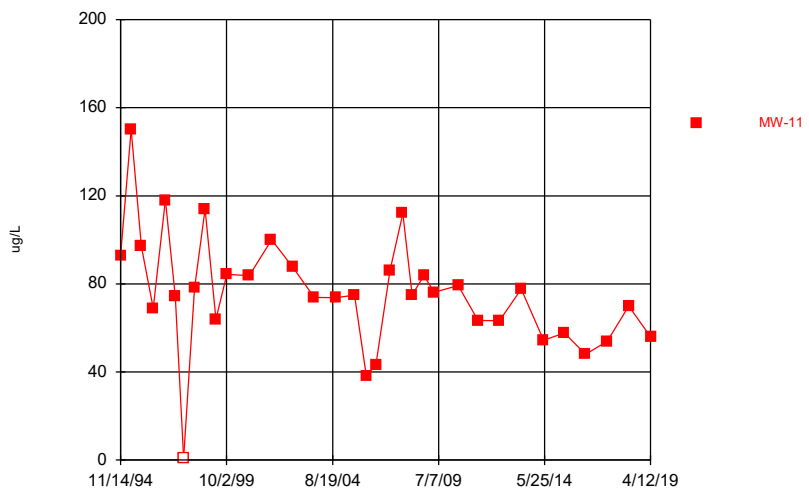
Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series

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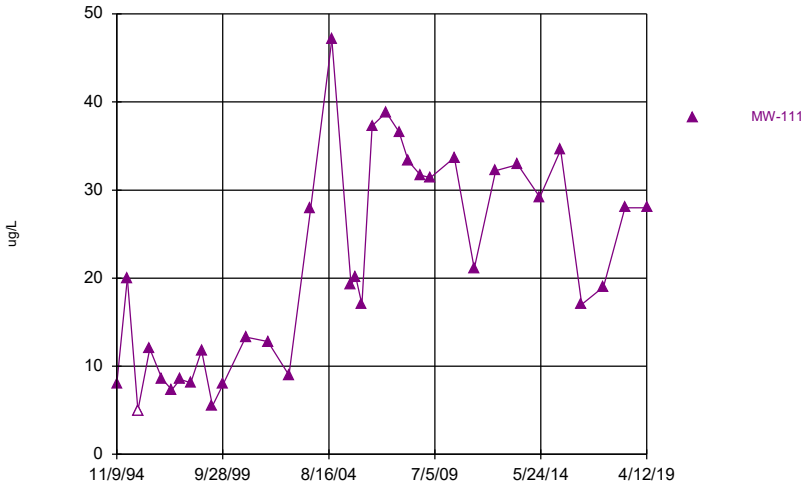
Hollow symbols indicate censored values.

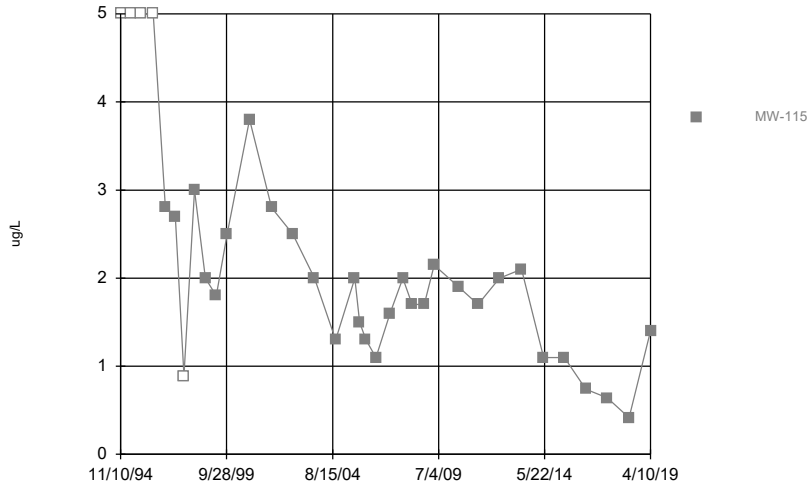
Time Series




Constituent: 1,1-Dichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series

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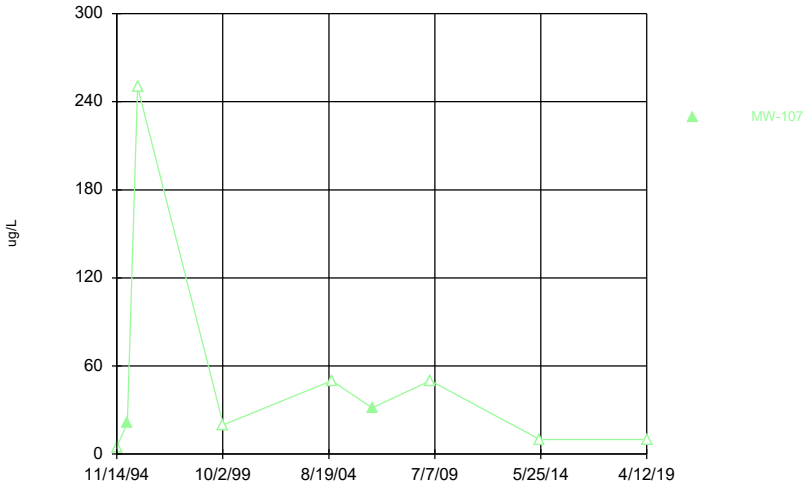
Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

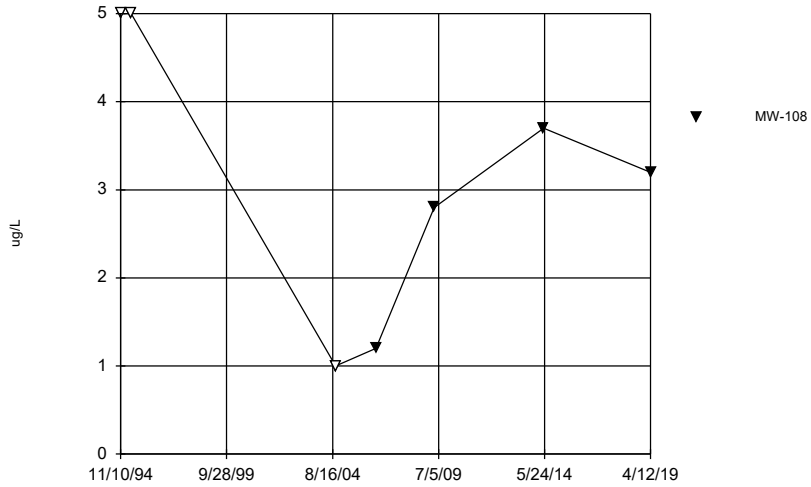
Time Series




Constituent: 1,1-Dichloroethene Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: 1,1-Dichloroethene Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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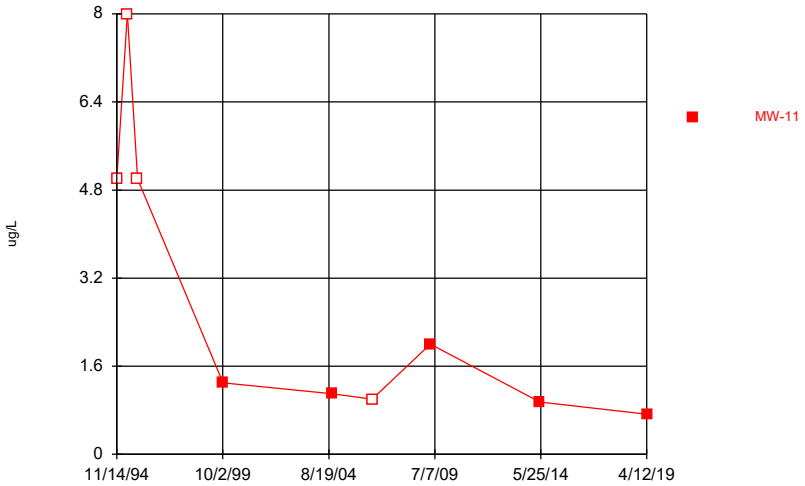
Hollow symbols indicate censored values.

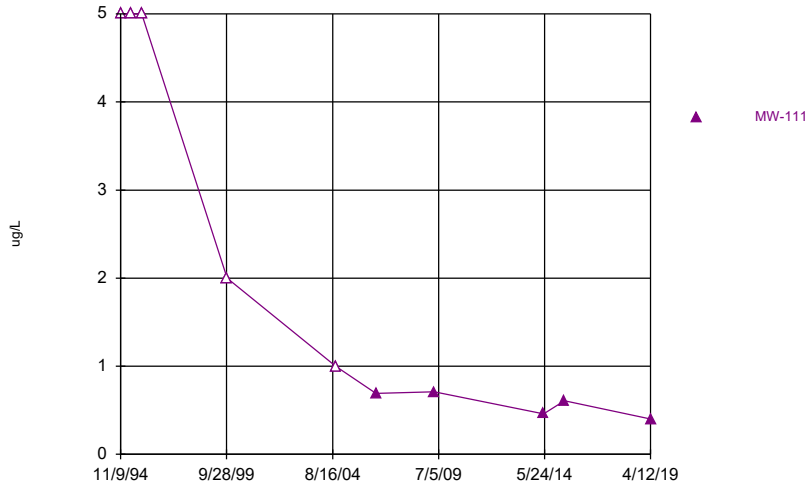
Time Series




Constituent: 1,1-Dichloroethene Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

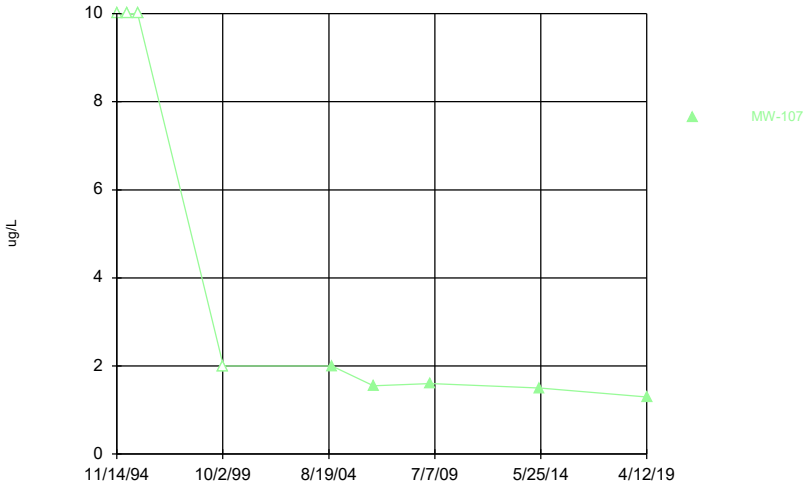
Time Series




Constituent: 1,1-Dichloroethene Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

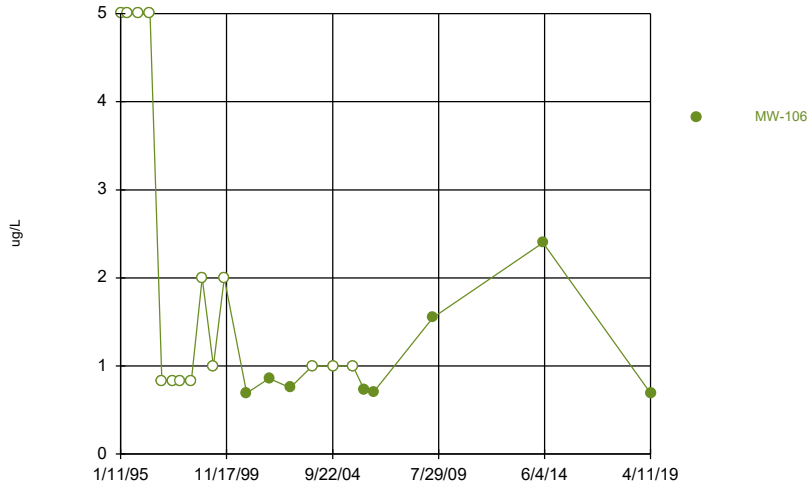
Time Series




Constituent: 1,2-Dichlorobenzene Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

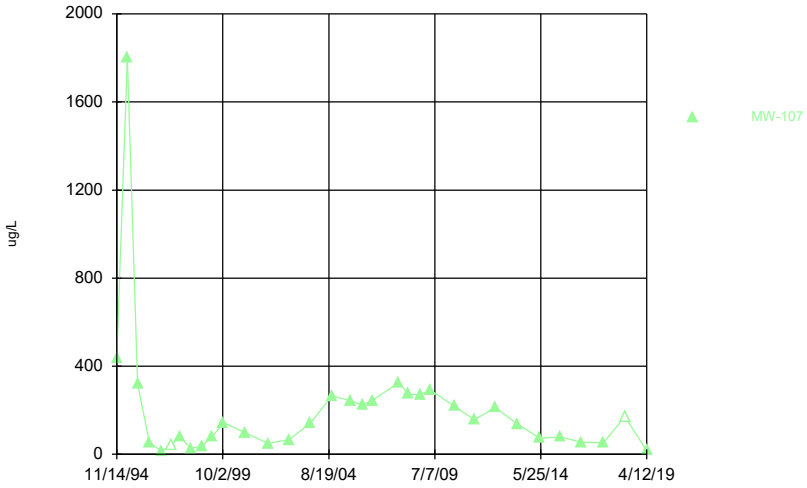
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:10 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

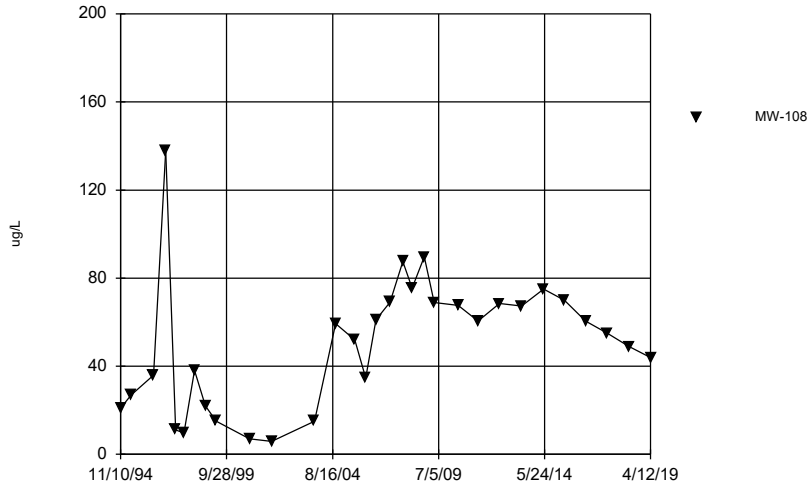
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

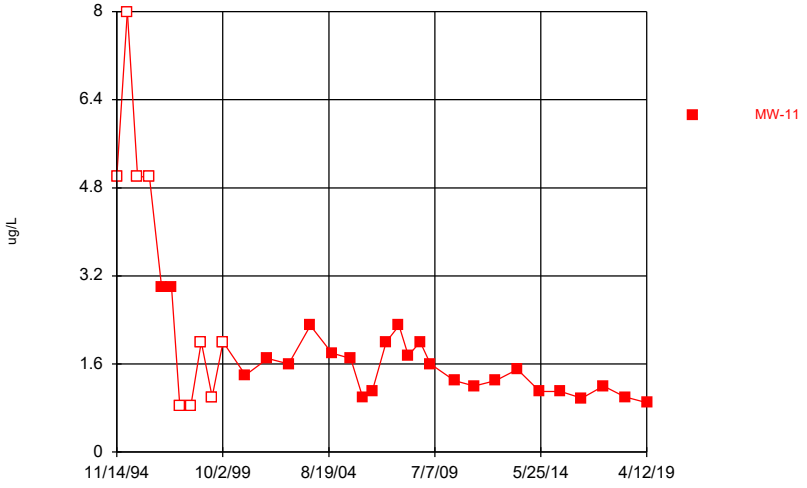
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

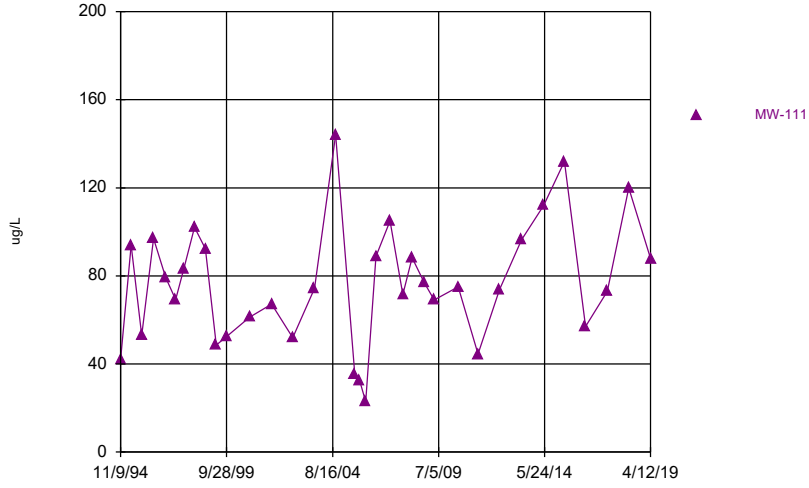
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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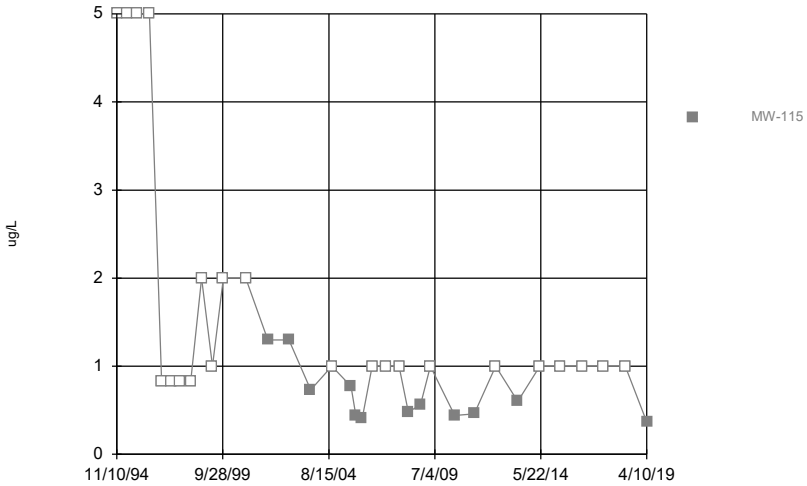
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
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Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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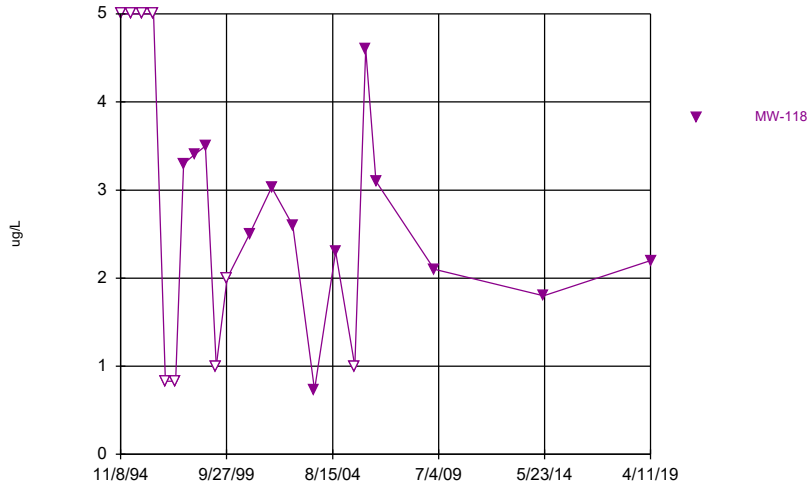
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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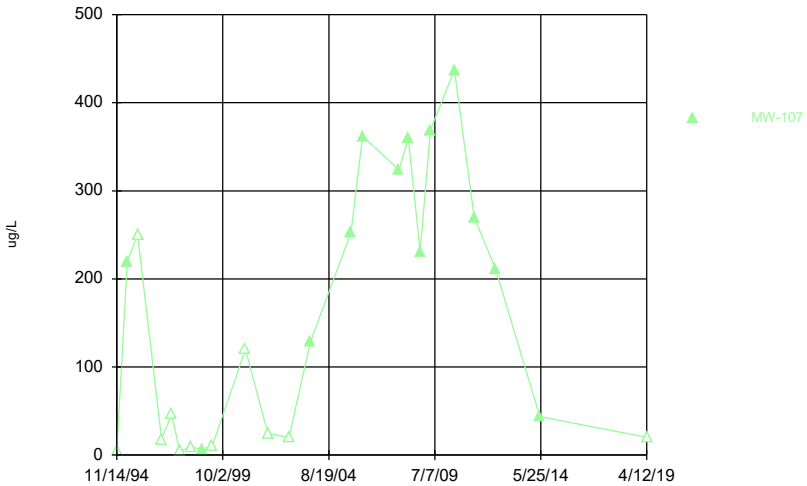
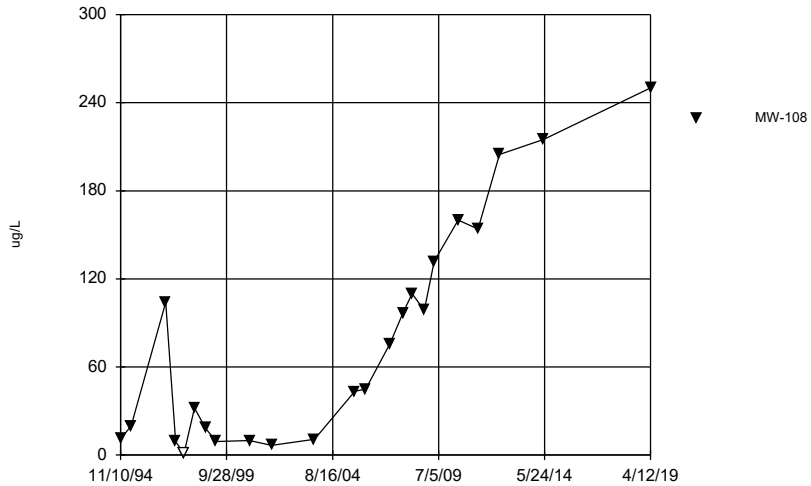
Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

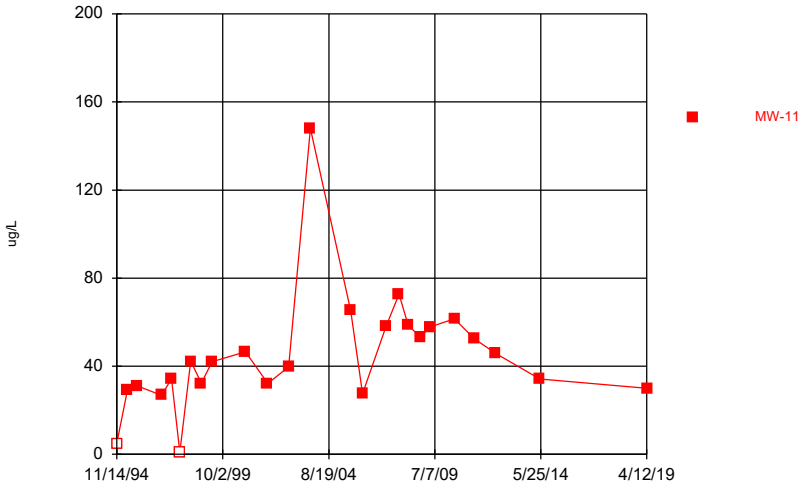
Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

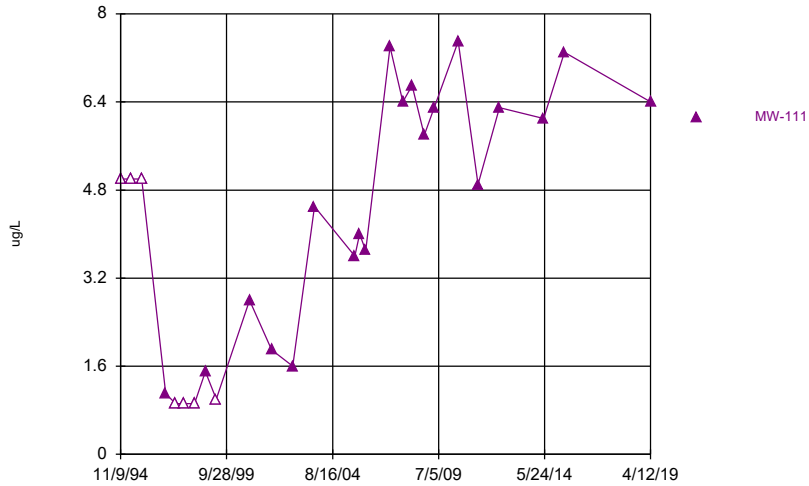
## Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

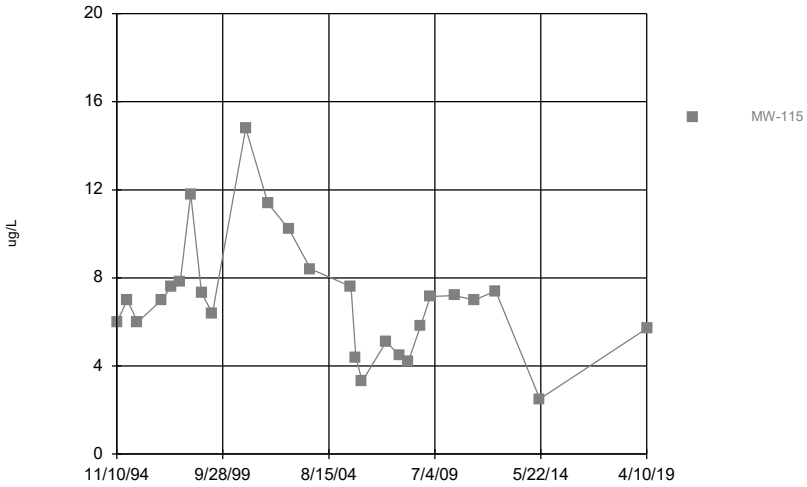
## Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

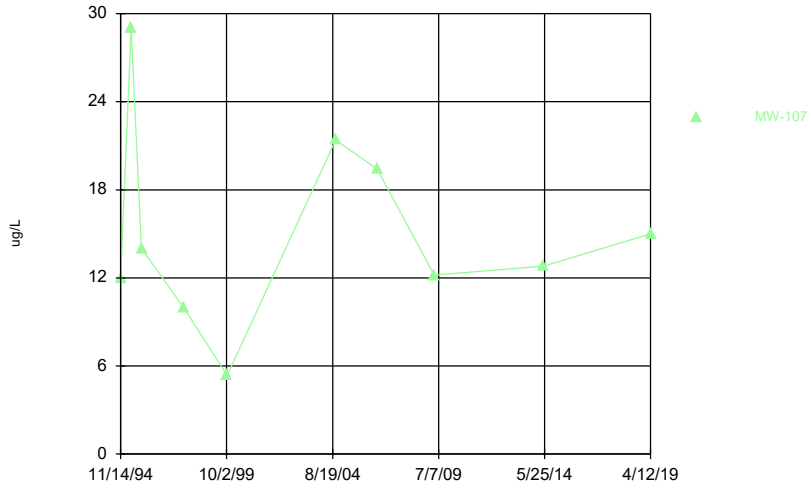
## Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Time Series




Constituent: 2,4-Dimethylphenol Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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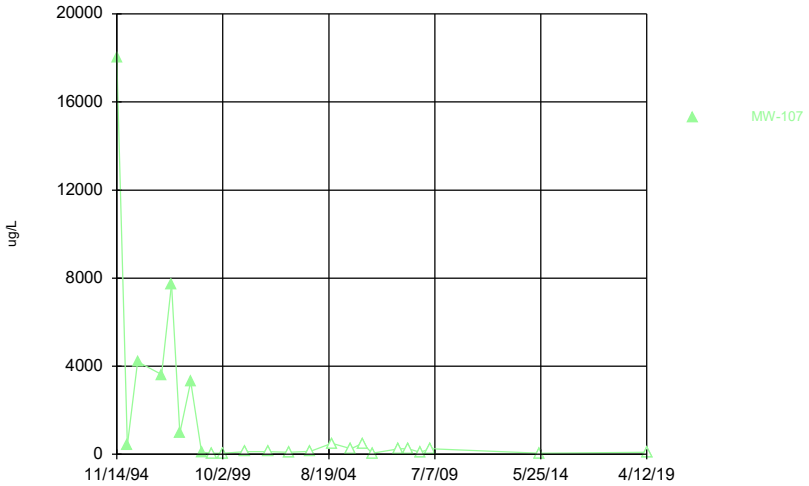
Hollow symbols indicate censored values.

Time Series




Constituent: 2-Butanone [Methyl ethyl ketone] [MEK] Analysis Run 11/5/2019 1:11 PM View: WTU Time S
Summit National Site Client: Summit National Site Data: Summit.National.Database

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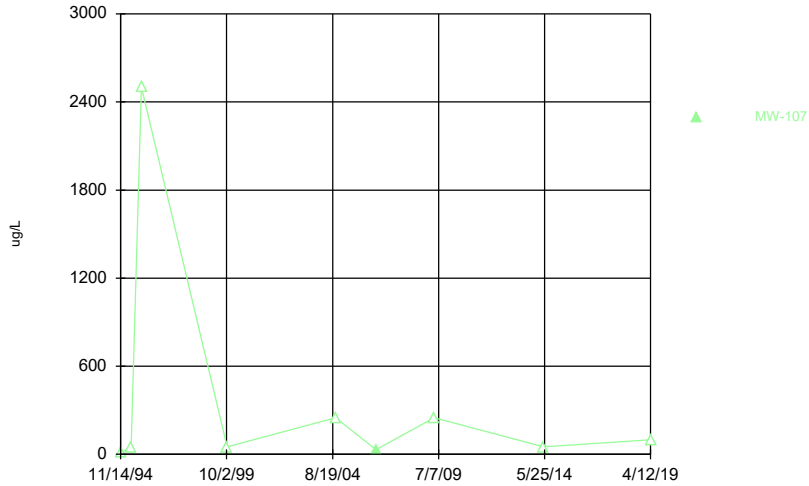
Hollow symbols indicate censored values.

Time Series




Constituent: 2-Hexanone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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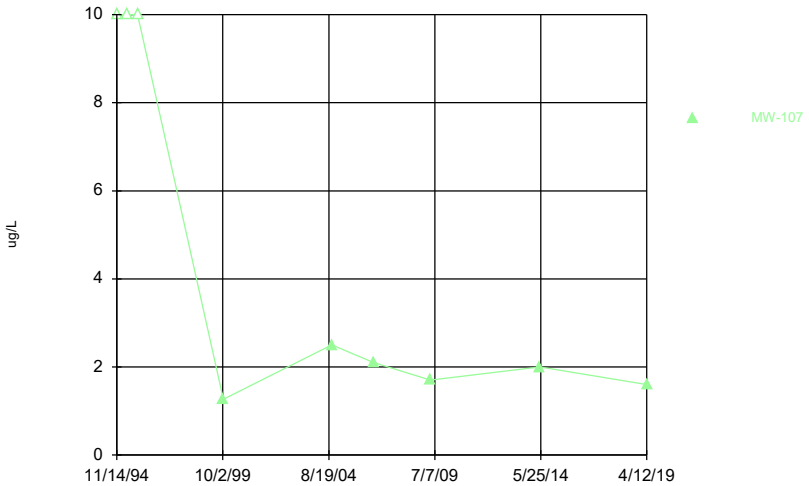
Hollow symbols indicate censored values.

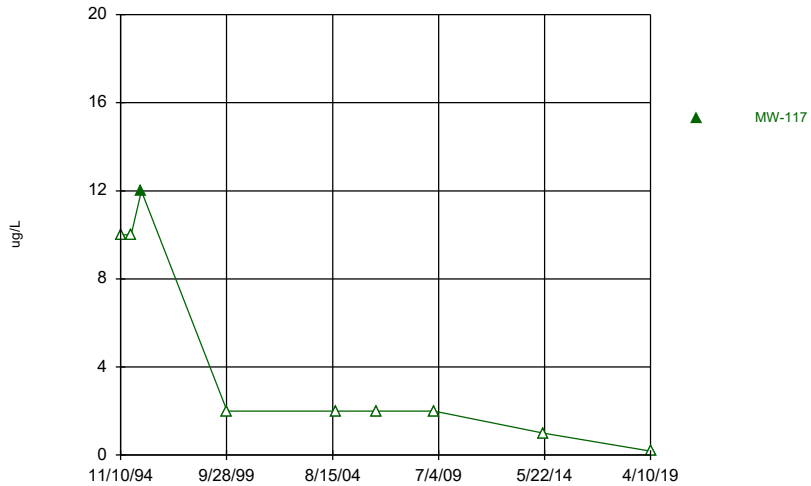
Time Series




Constituent: 2-Methylnaphthalene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

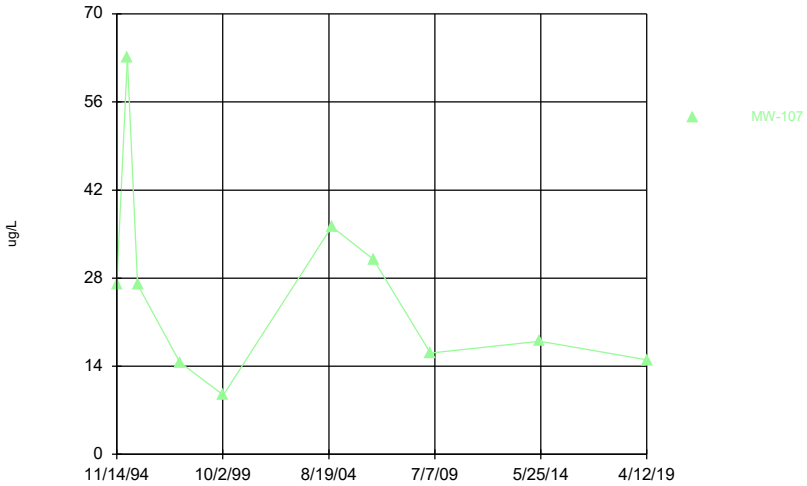
Time Series




Constituent: 2-Methylnaphthalene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Time Series




Constituent: 2-Methylphenol Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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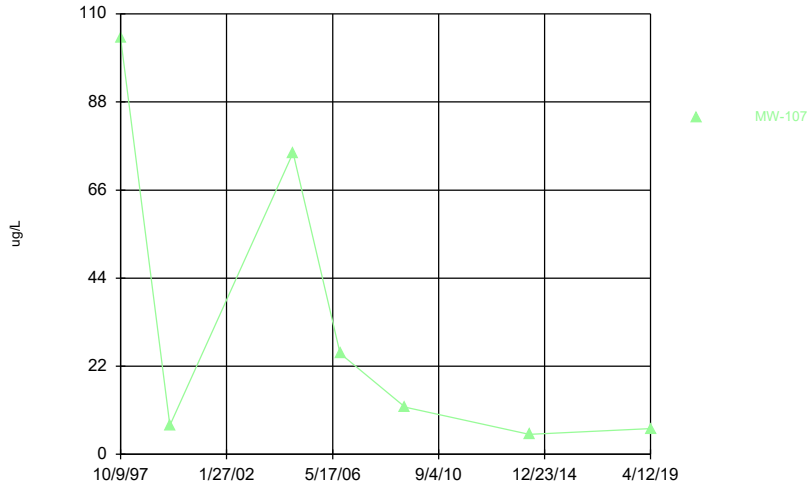
## Time Series




Constituent: 3&4-Methylphenol Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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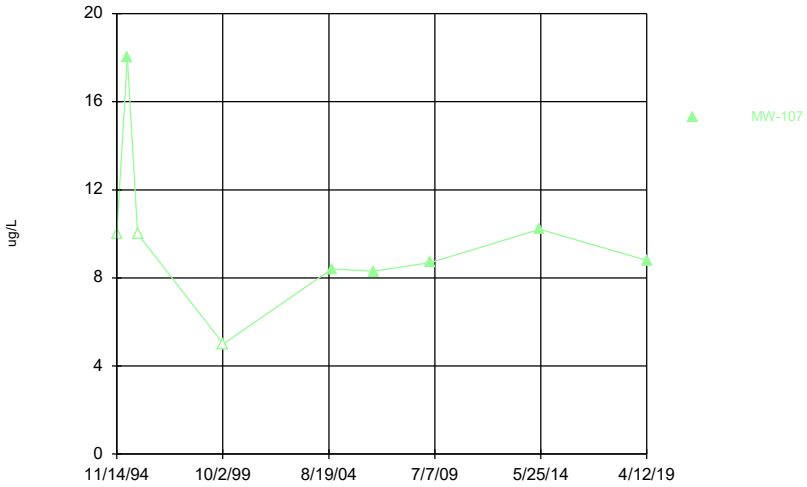
Hollow symbols indicate censored values.

## Time Series




Constituent: 4-Chloro-3-methylphenol Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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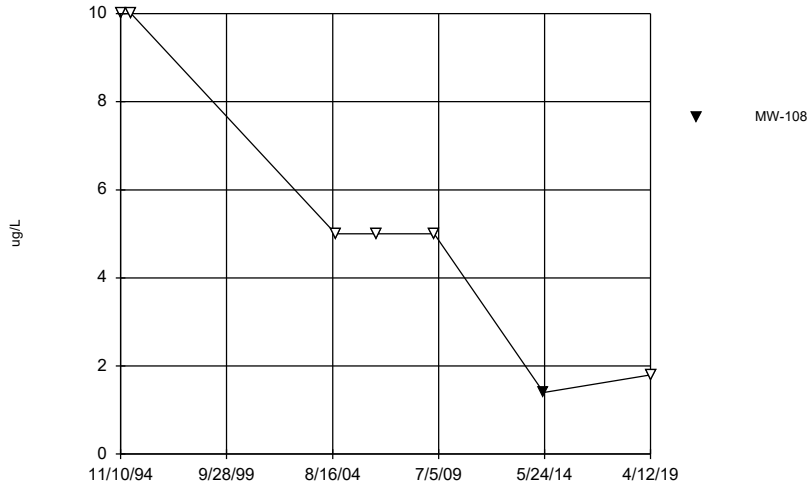
Hollow symbols indicate censored values.

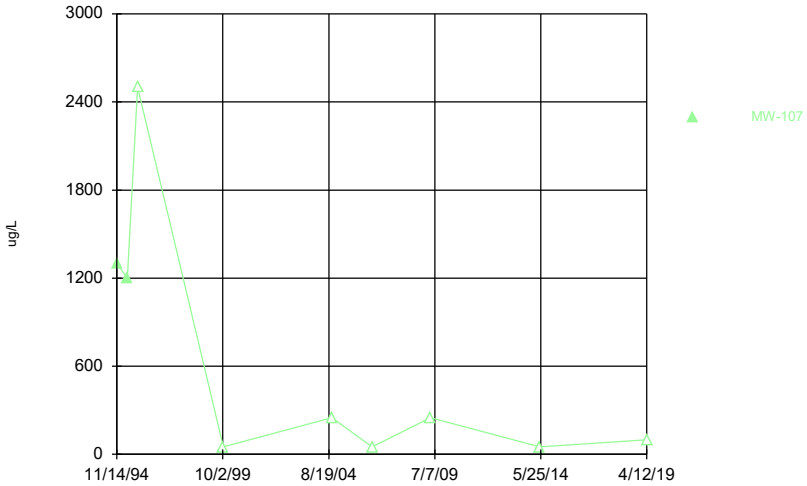
## Time Series




Constituent: 4-Chloroaniline Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] Analysis Run 11/5/2019 1:11 PM View:
Summit National Site Client: Summit National Site Data: Summit.National.Database

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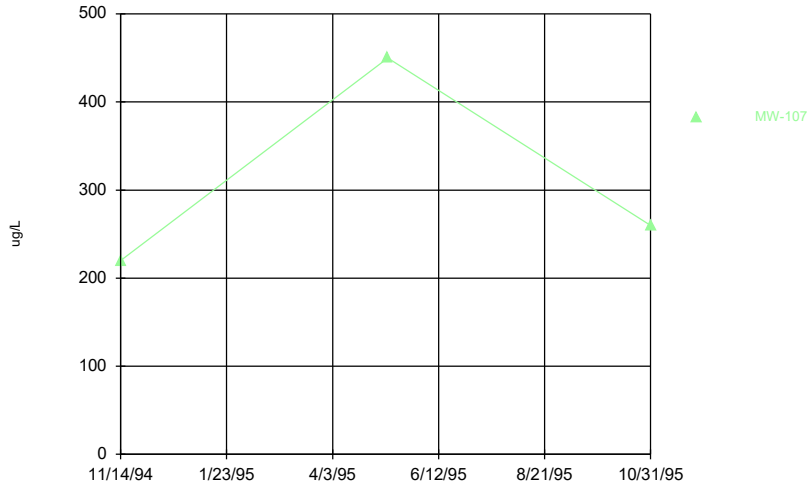
Time Series




Constituent: 4-Methylphenol Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
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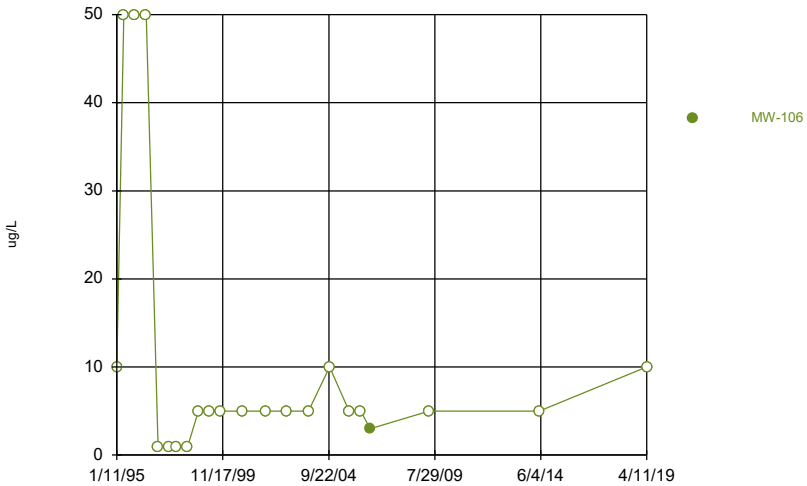
Hollow symbols indicate censored values.

Time Series




Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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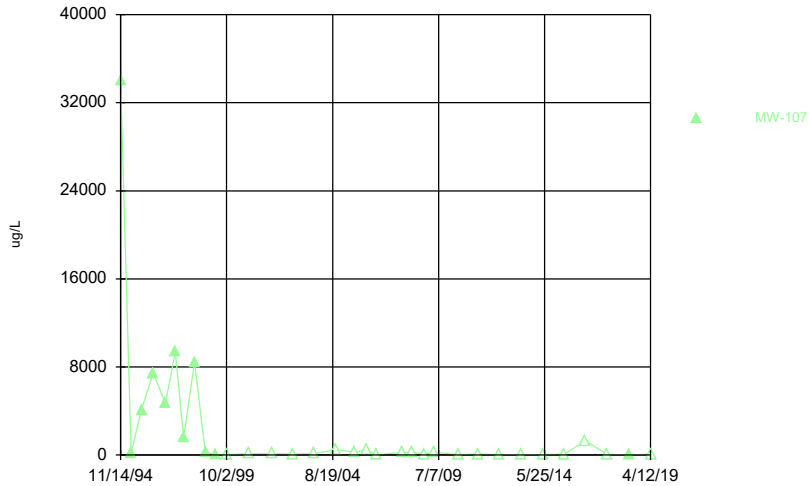
Time Series




Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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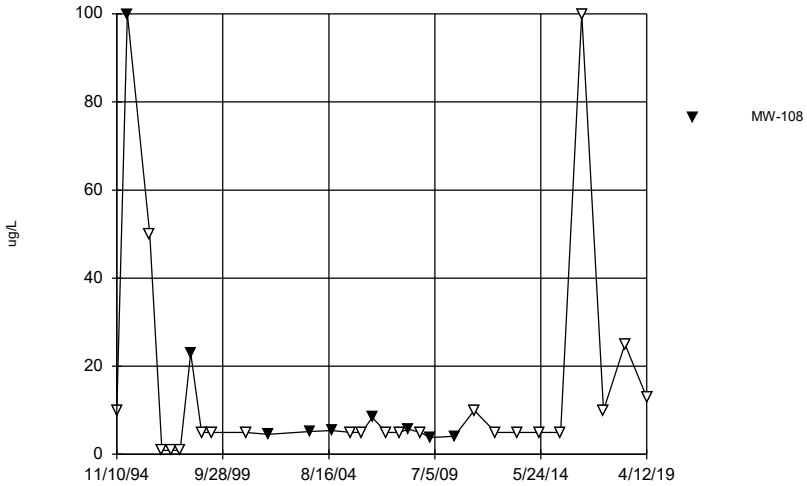


Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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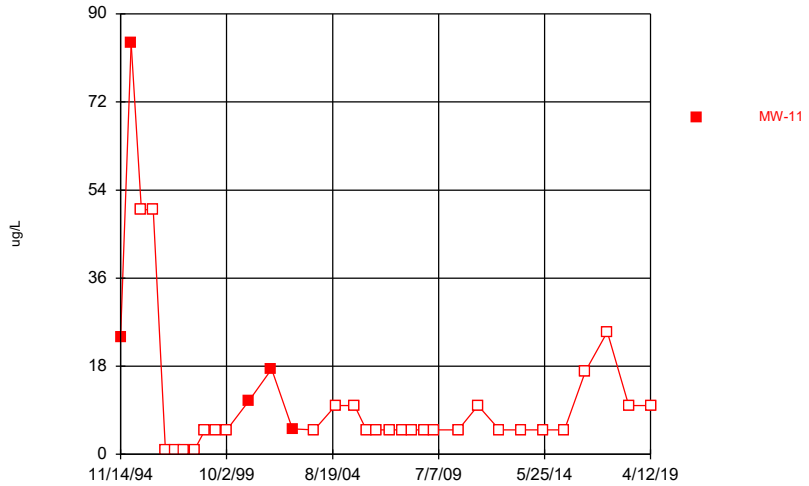


Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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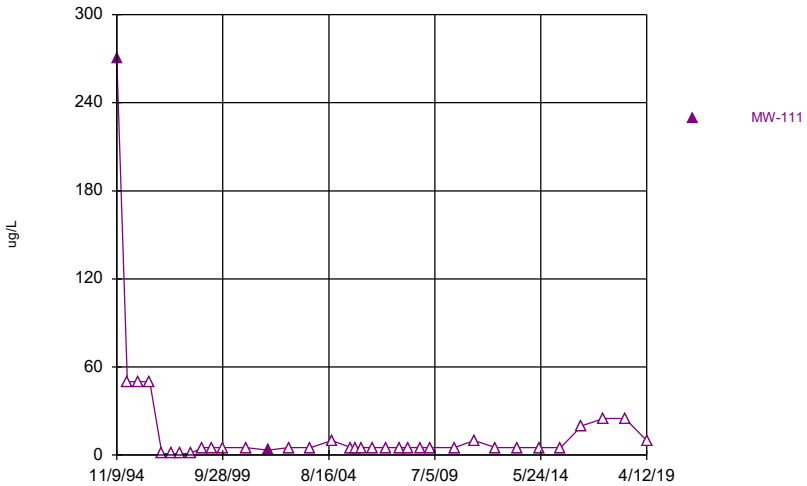
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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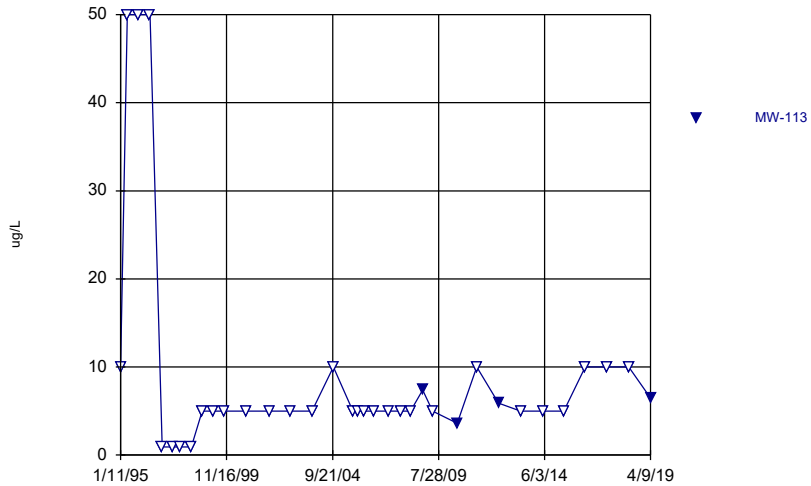


Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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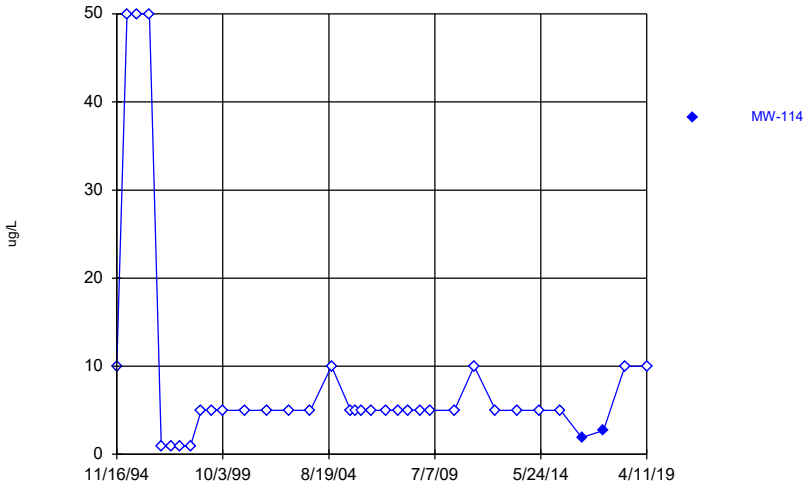


Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
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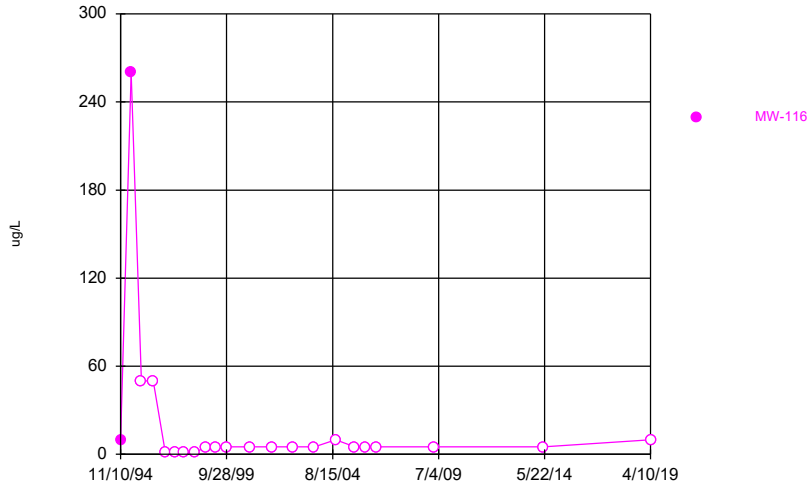
Time Series




Constituent: Acetone Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
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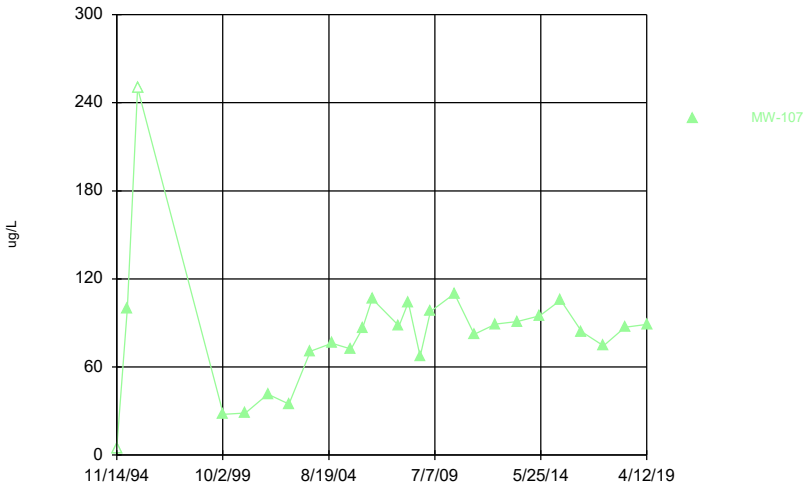
Time Series




Constituent: Benzene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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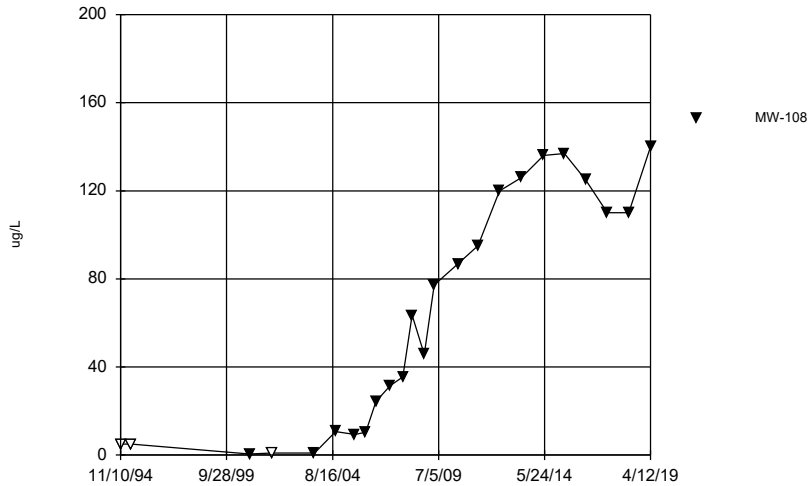
Hollow symbols indicate censored values.

Time Series




Constituent: Benzene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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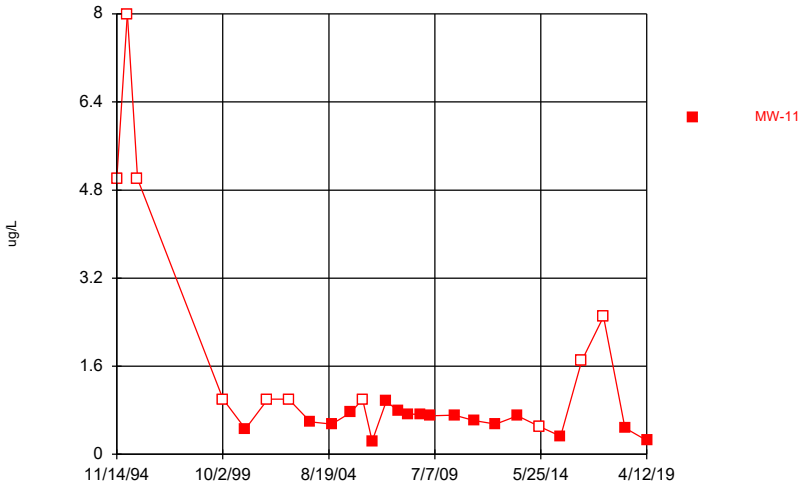
## Time Series




Constituent: Benzene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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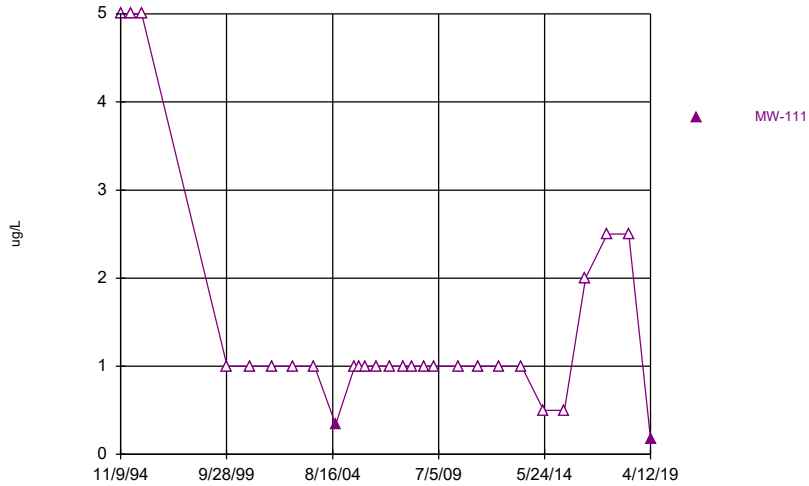
Hollow symbols indicate censored values.

## Time Series




Constituent: Benzene Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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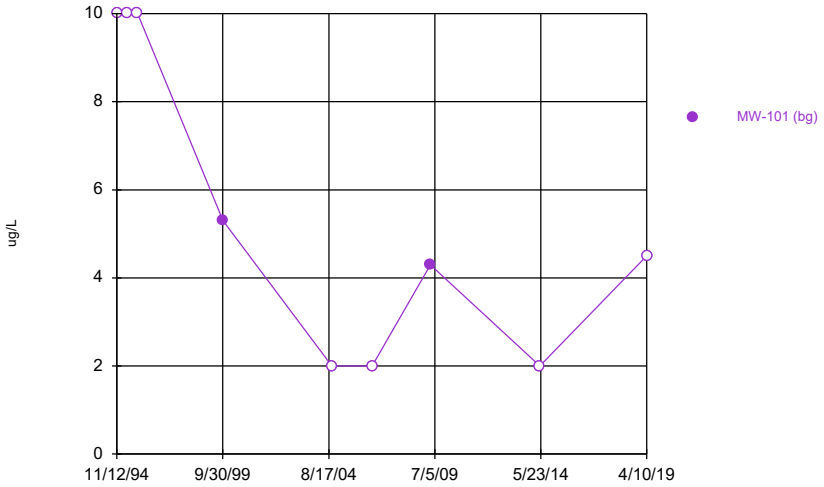
Hollow symbols indicate censored values.

## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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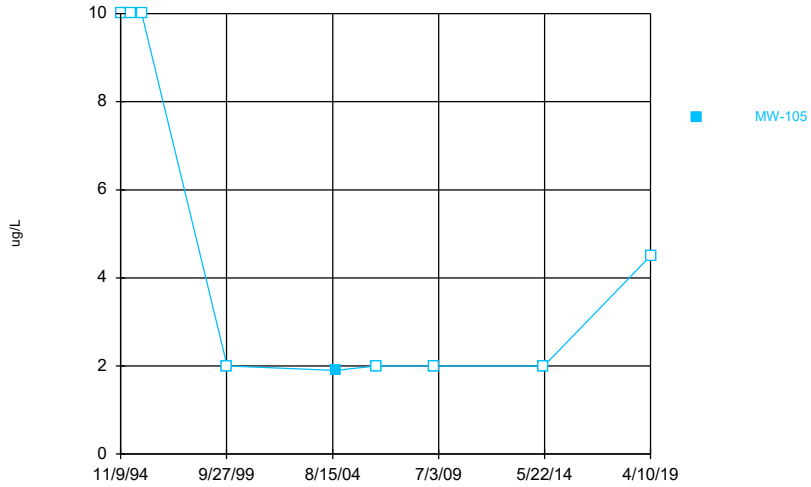
Hollow symbols indicate censored values.

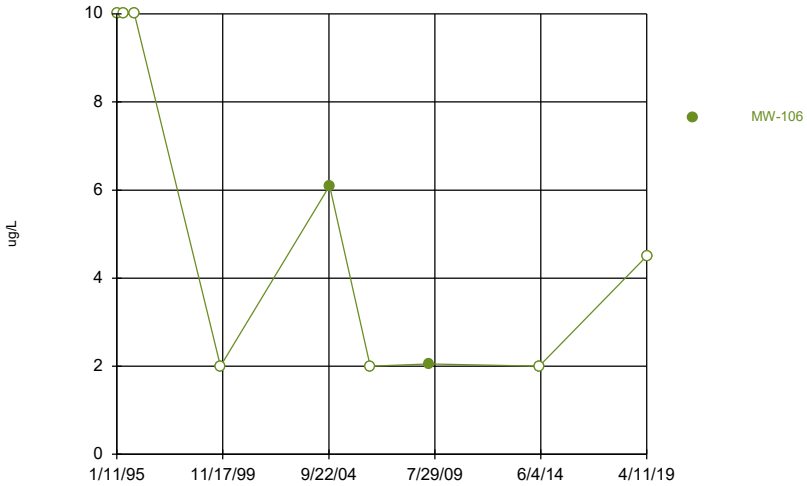
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

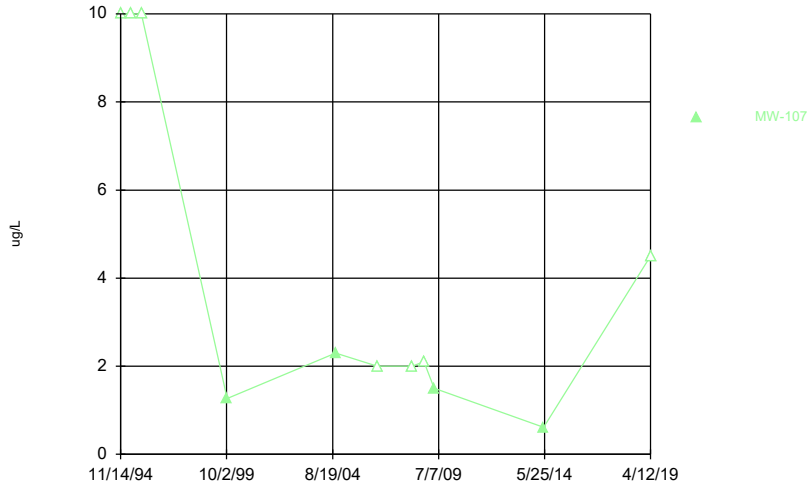
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:11 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

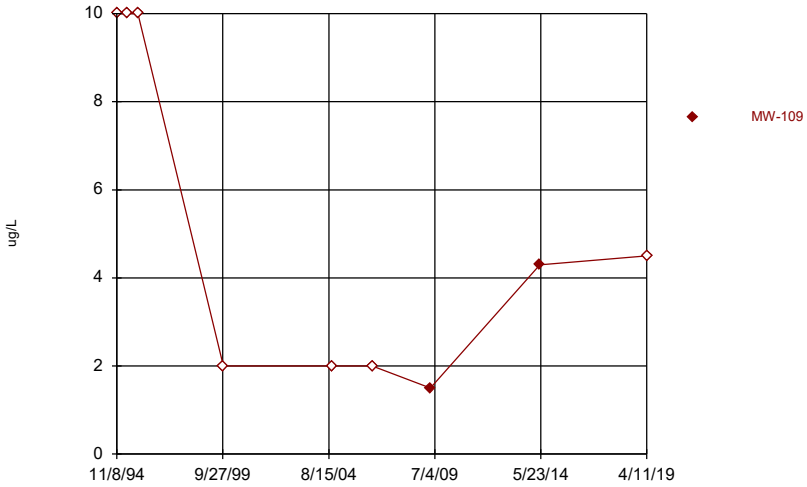
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

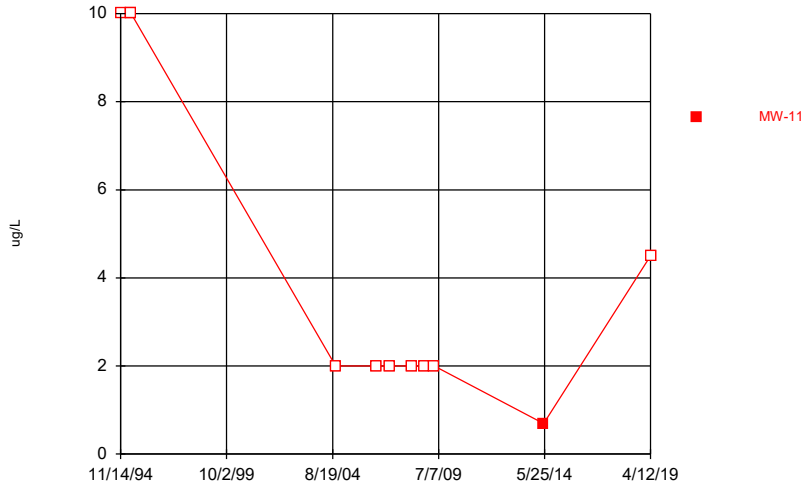
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

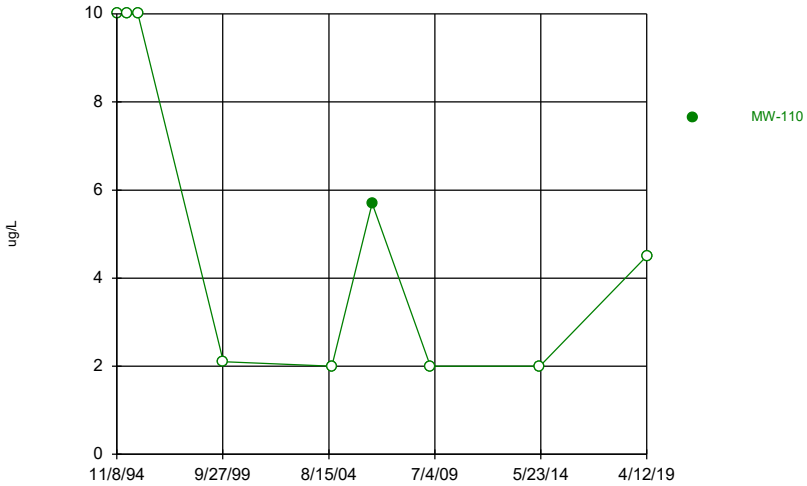
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

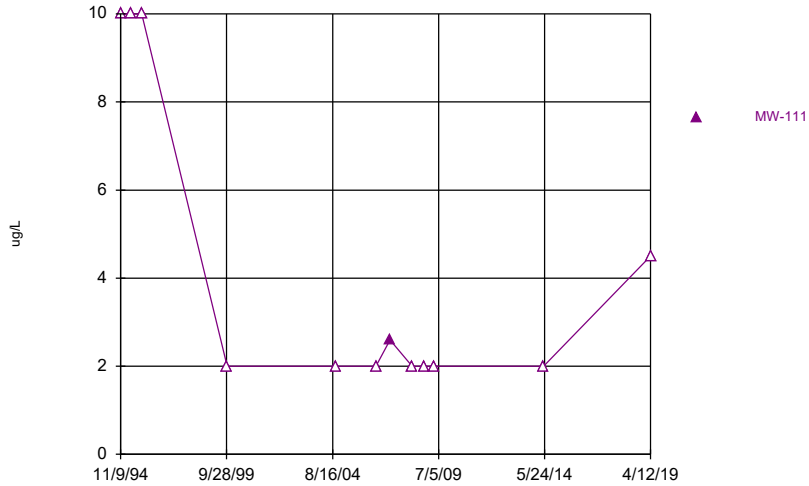
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

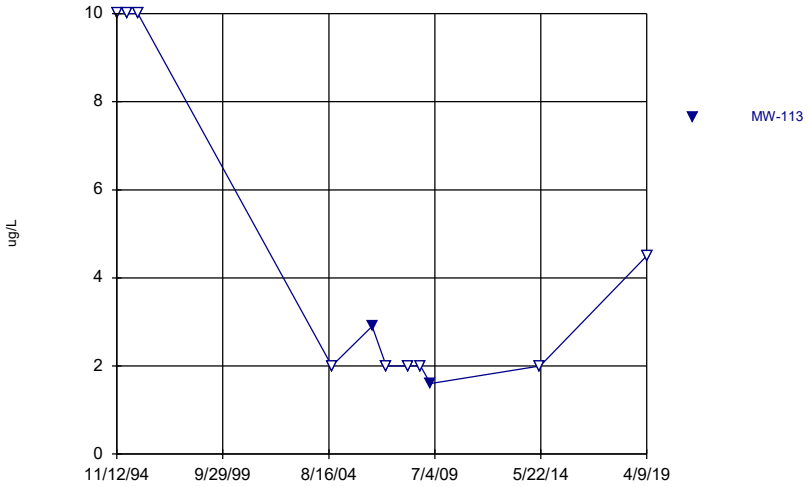
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

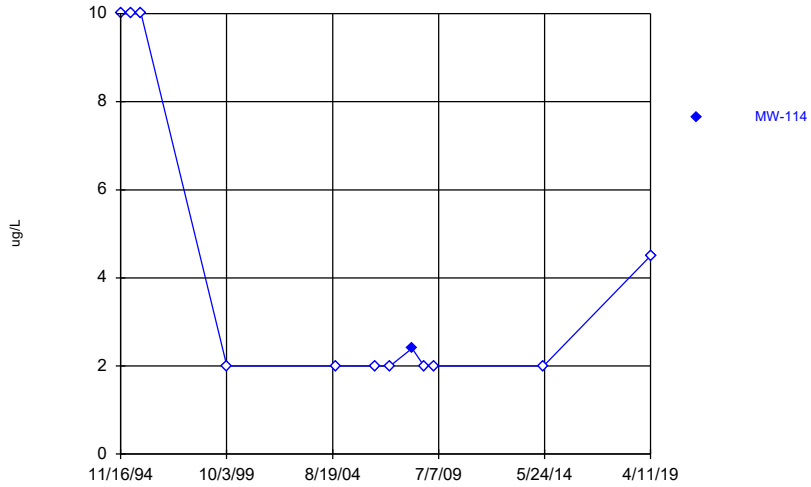
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

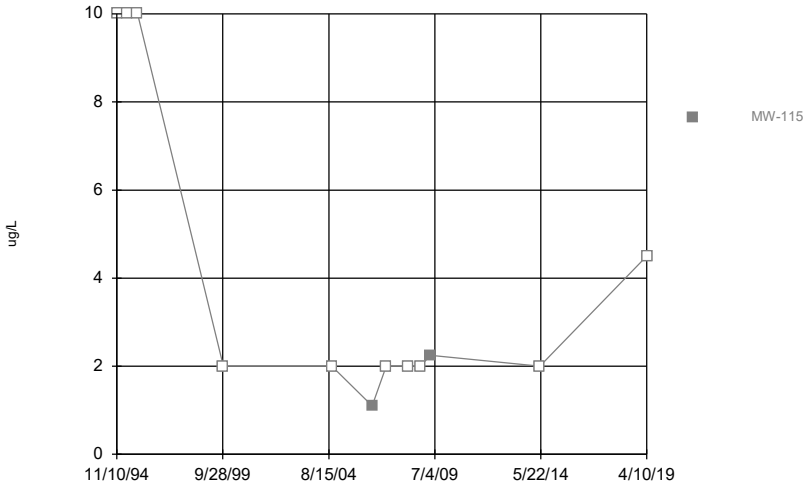
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

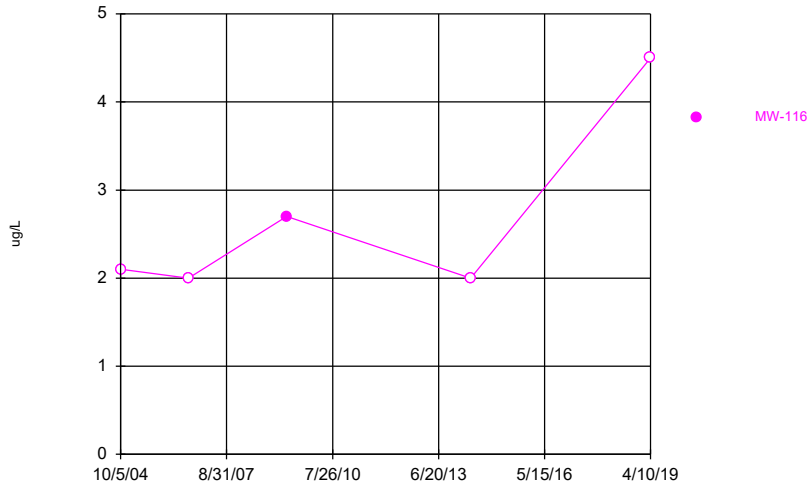
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

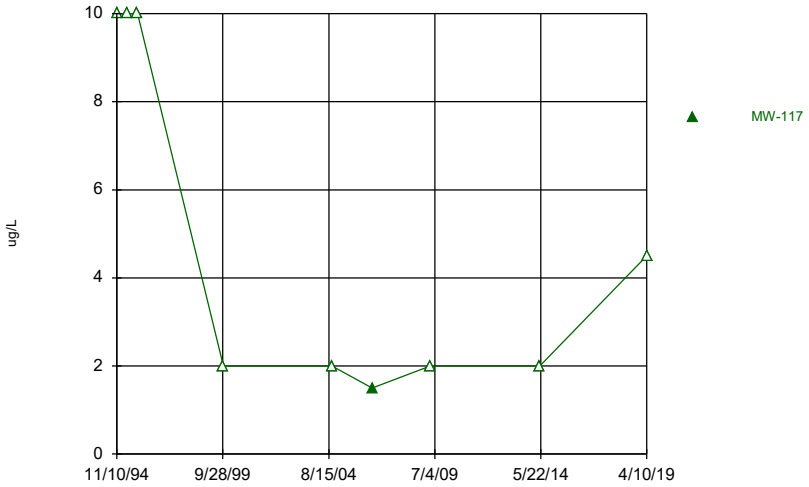
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

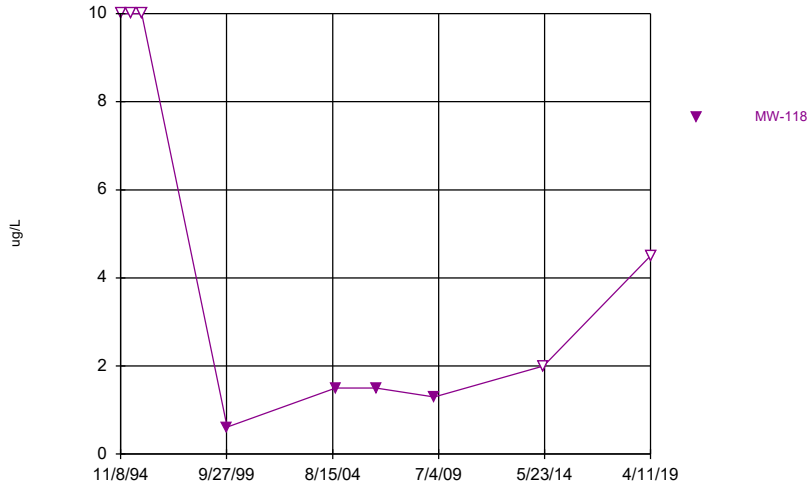
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
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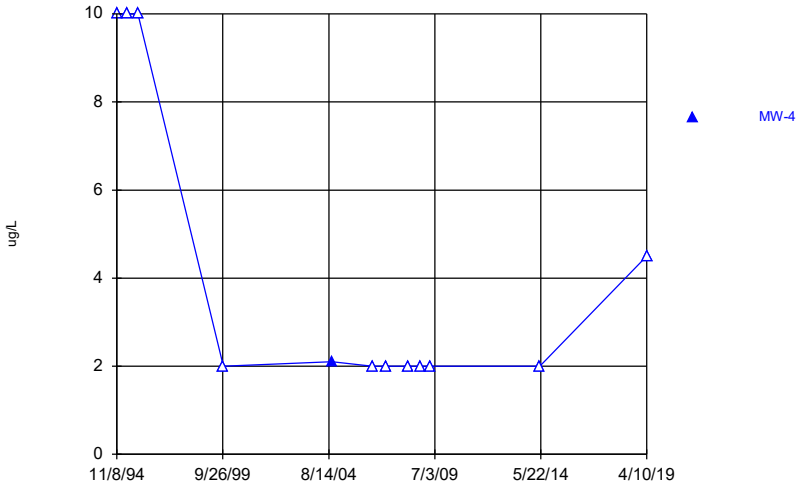
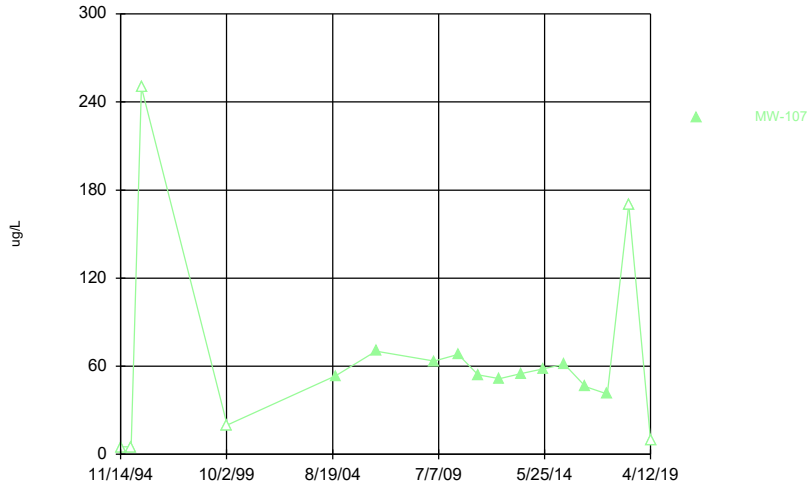



Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

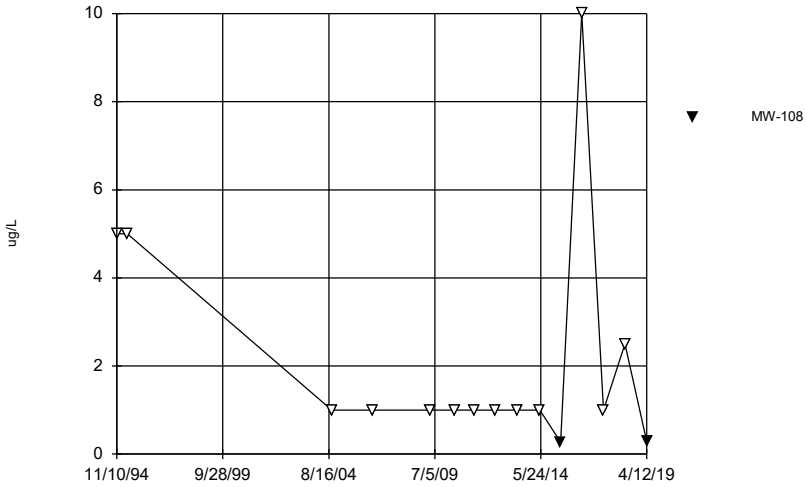
Time Series




Constituent: Chlorobenzene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

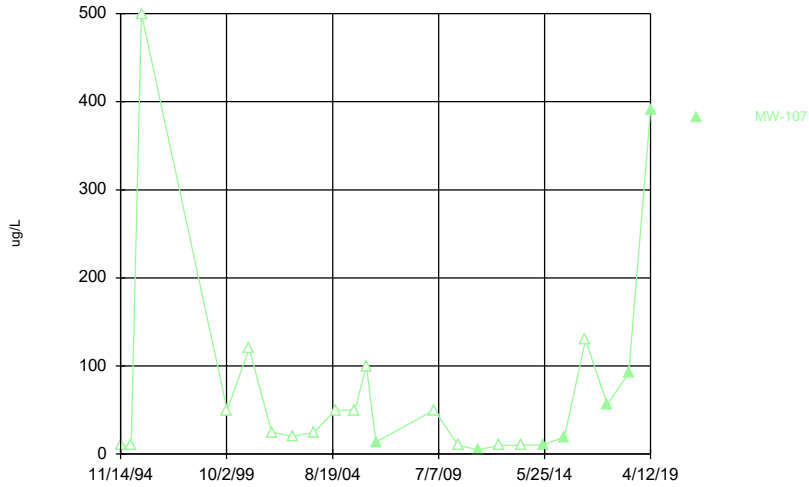
Time Series




Constituent: Chlorobenzene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

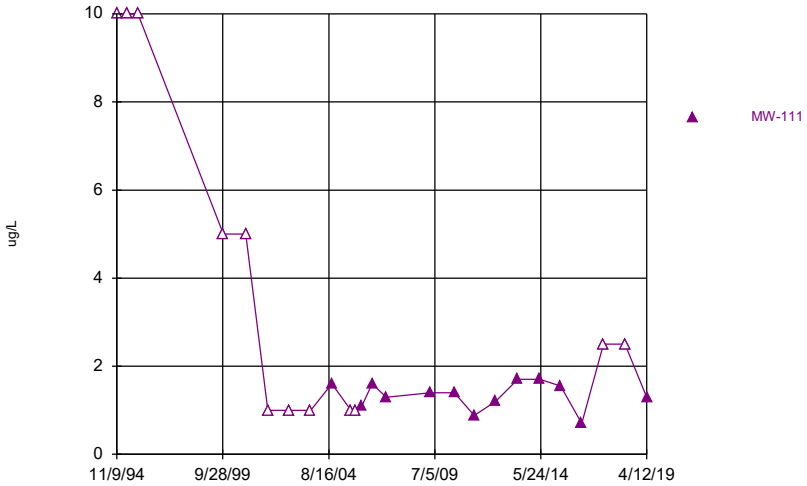
Time Series




Constituent: Chloroethane Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

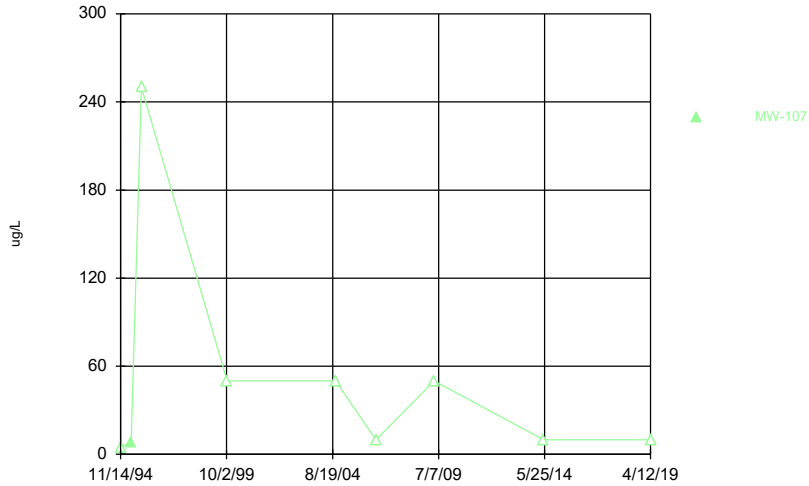
Time Series




Constituent: Chloroethane Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Chloroform [Trichloromethane] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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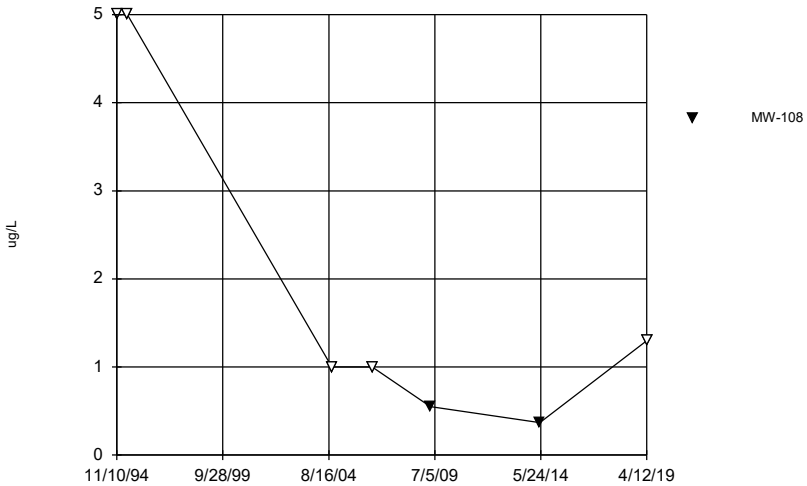
Hollow symbols indicate censored values.

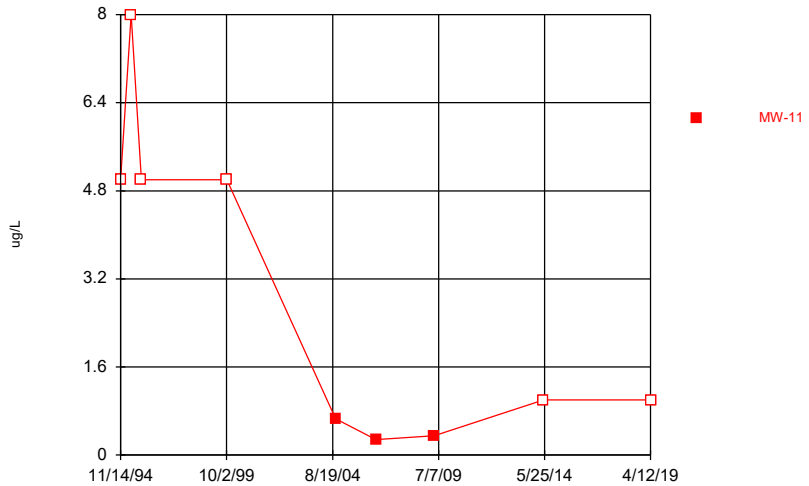
Time Series




Constituent: Chloroform [Trichloromethane] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

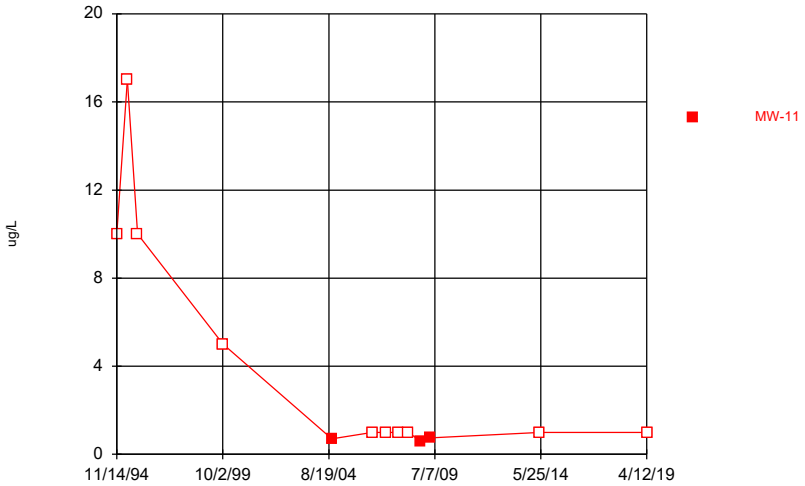
Time Series




Constituent: Chloroform [Trichloromethane] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: Chloromethane [Methyl chloride] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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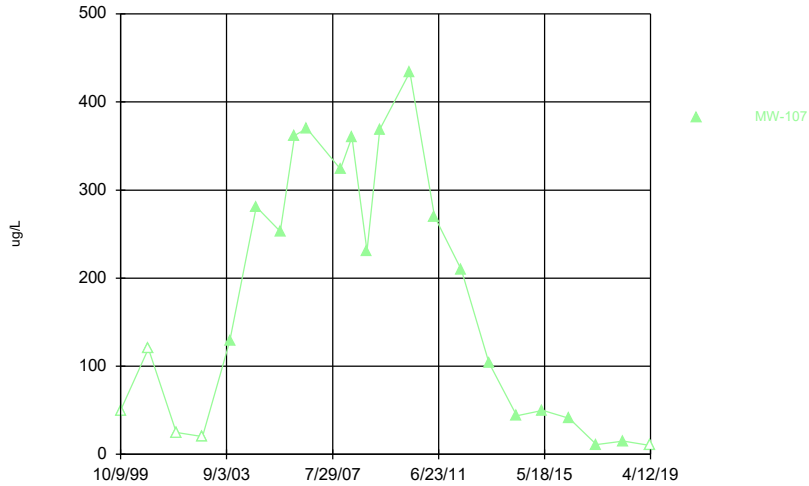
Hollow symbols indicate censored values.

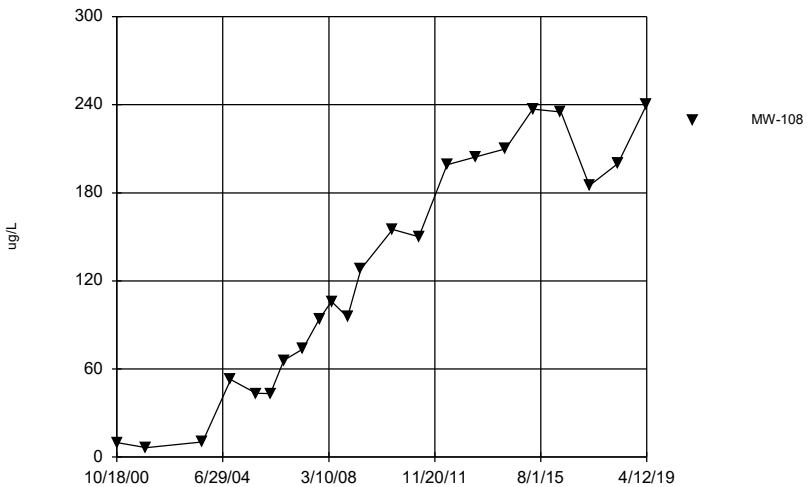
## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

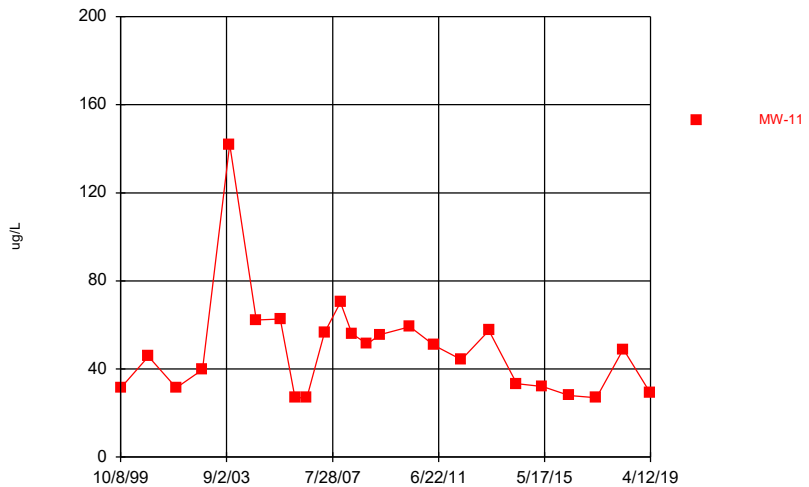
## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

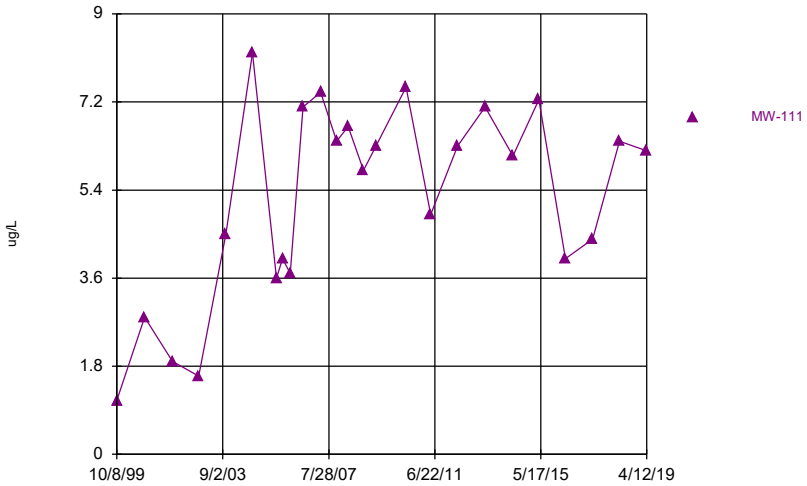
## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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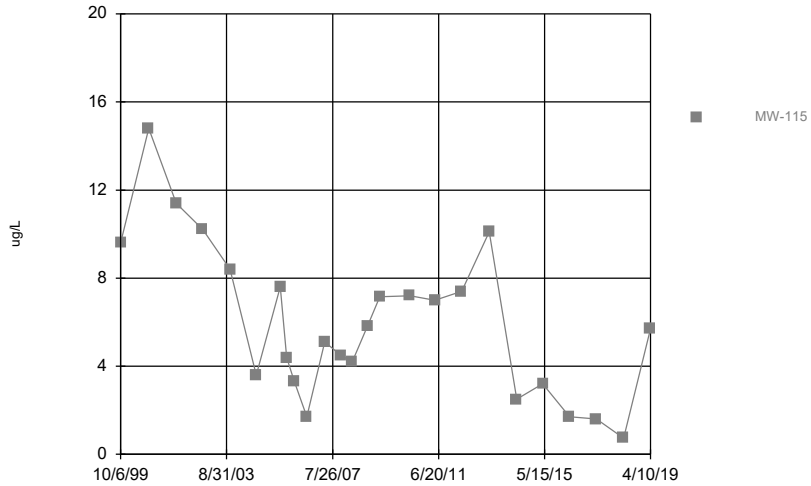
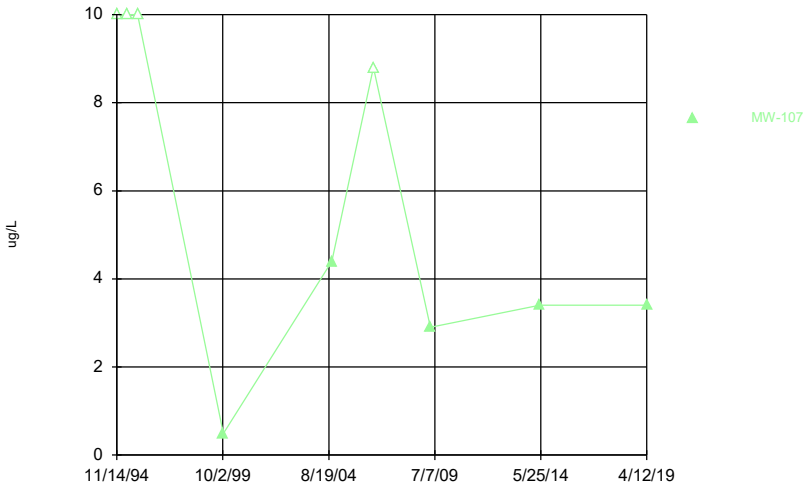
## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: Diethyl phthalate Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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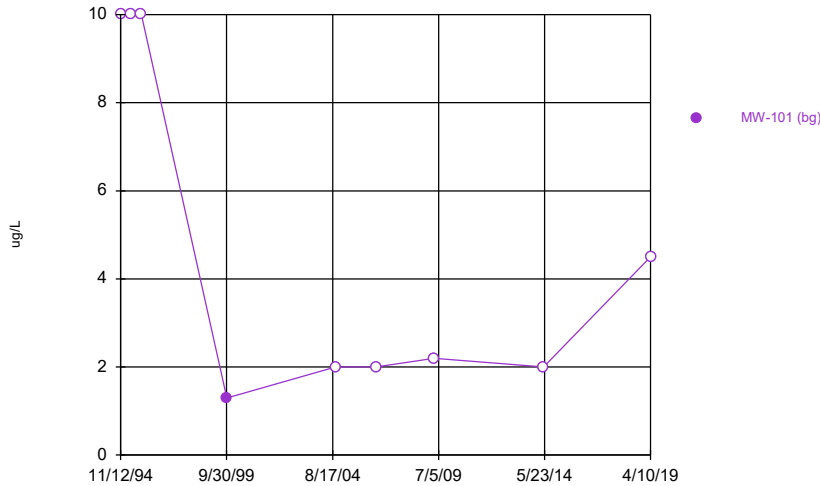
Hollow symbols indicate censored values.

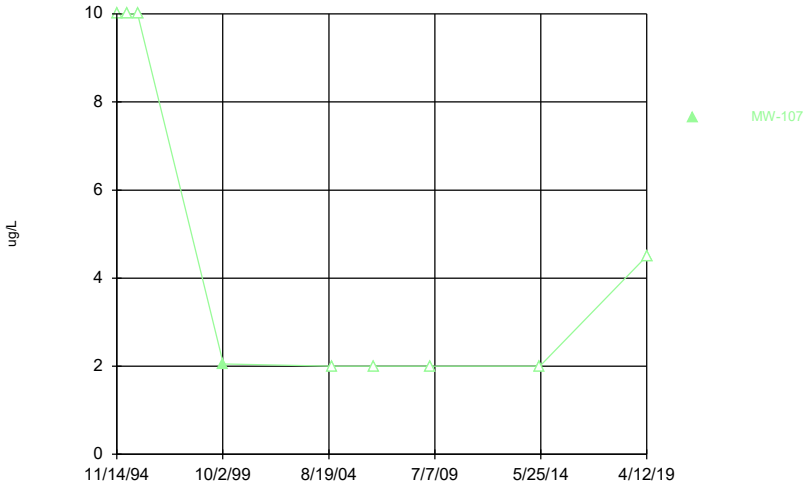
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

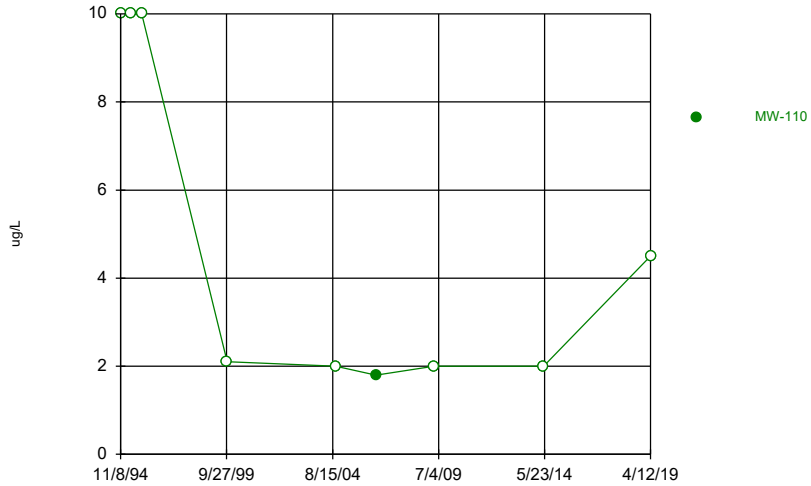
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

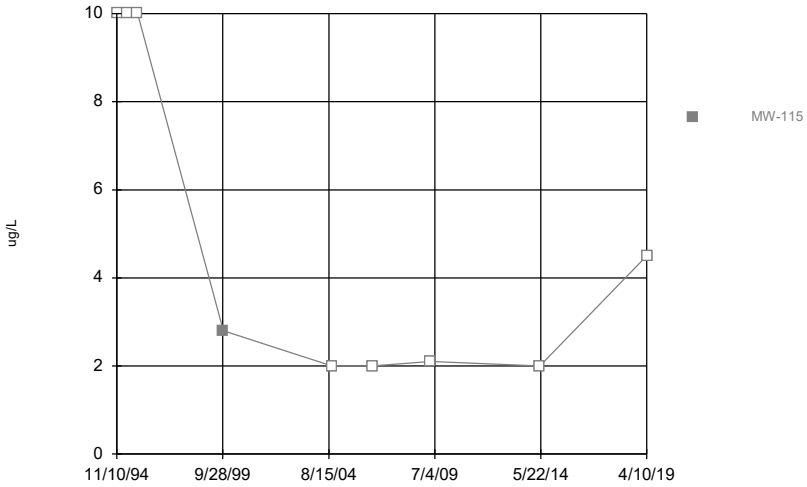
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

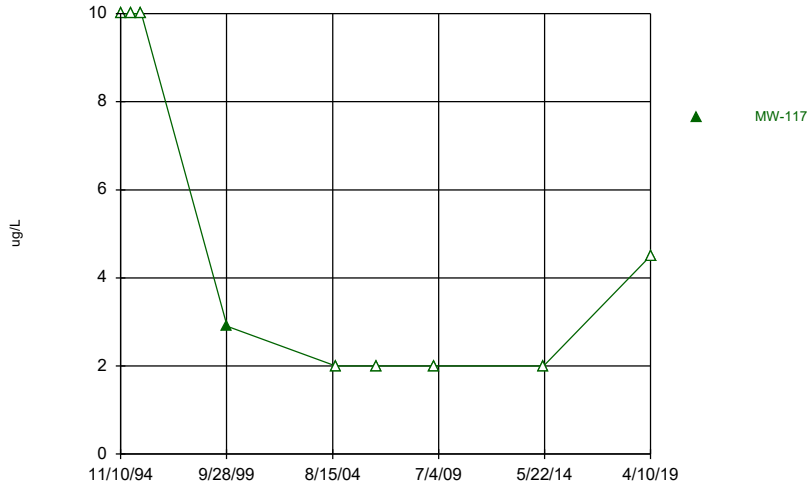
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

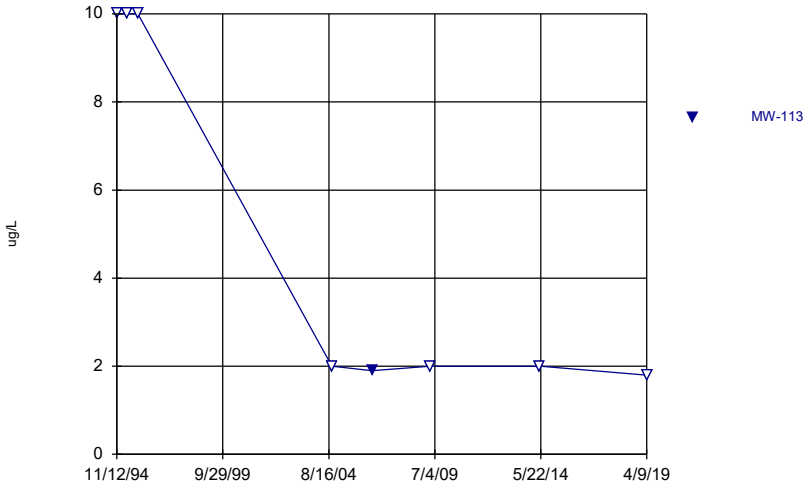
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Di-n-octyl phthalate [DnOP] Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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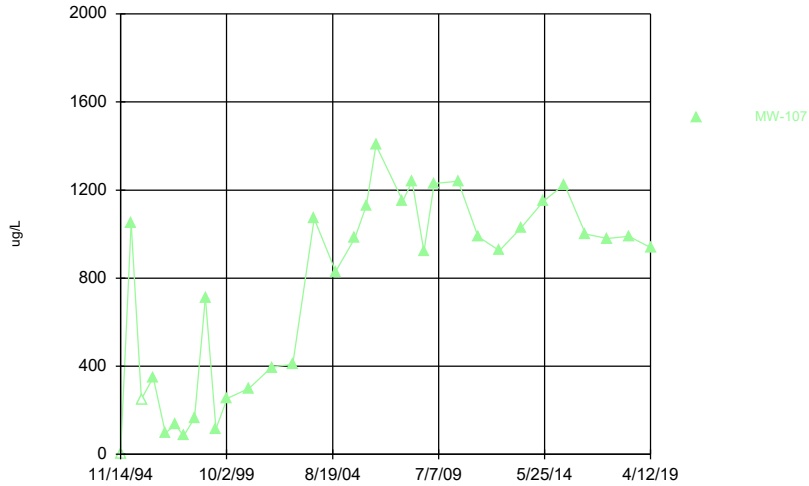
Hollow symbols indicate censored values.

Time Series




Constituent: Ethylbenzene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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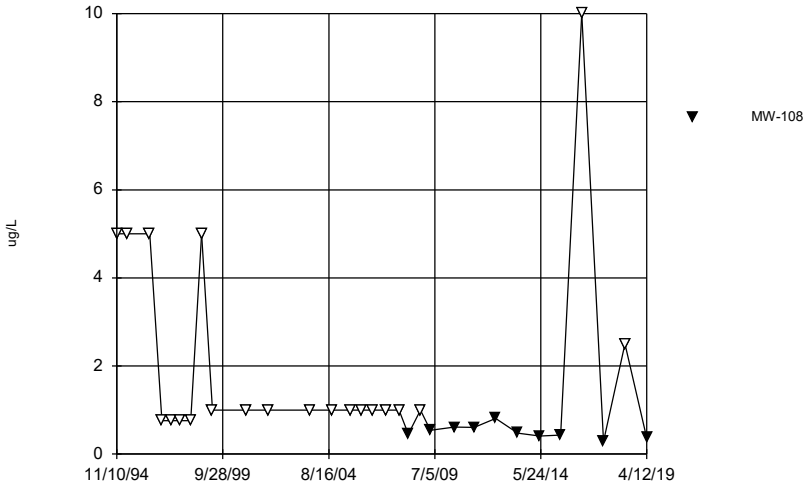
Hollow symbols indicate censored values.

Time Series




Constituent: Ethylbenzene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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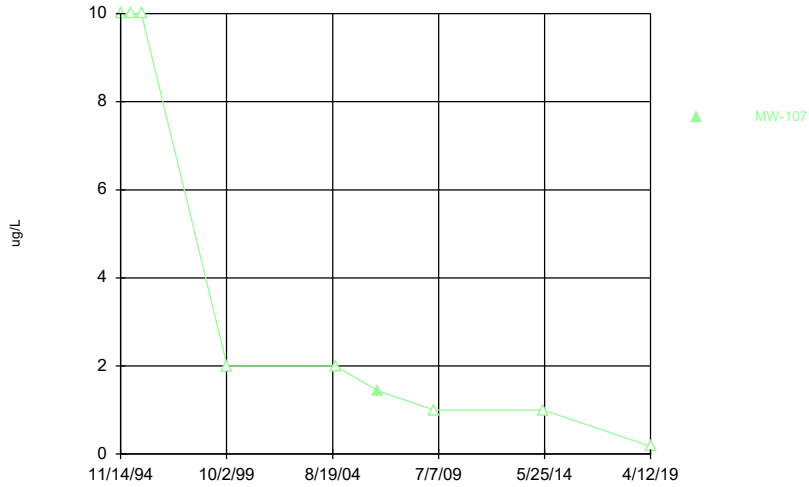
Hollow symbols indicate censored values.

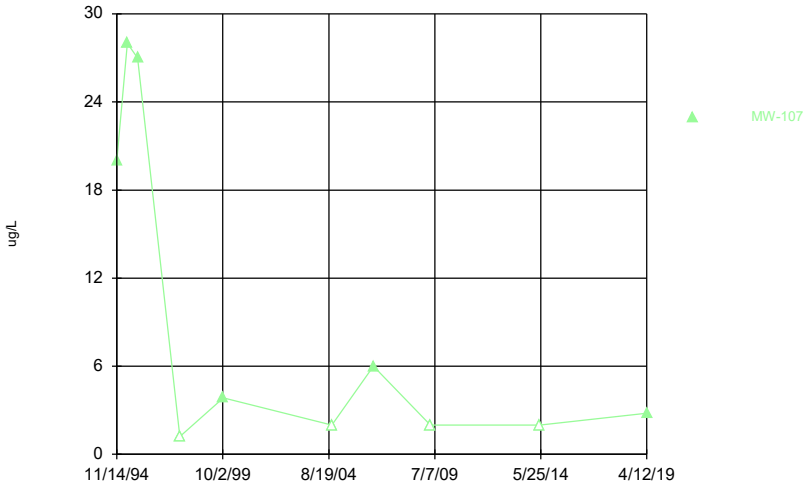
Time Series




Constituent: Fluoranthene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: Isophorone Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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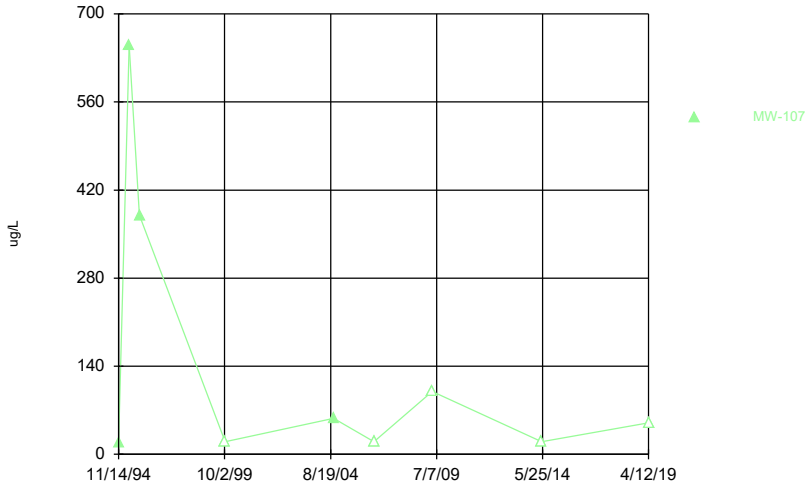
Hollow symbols indicate censored values.

## Time Series




Constituent: Methylene chloride Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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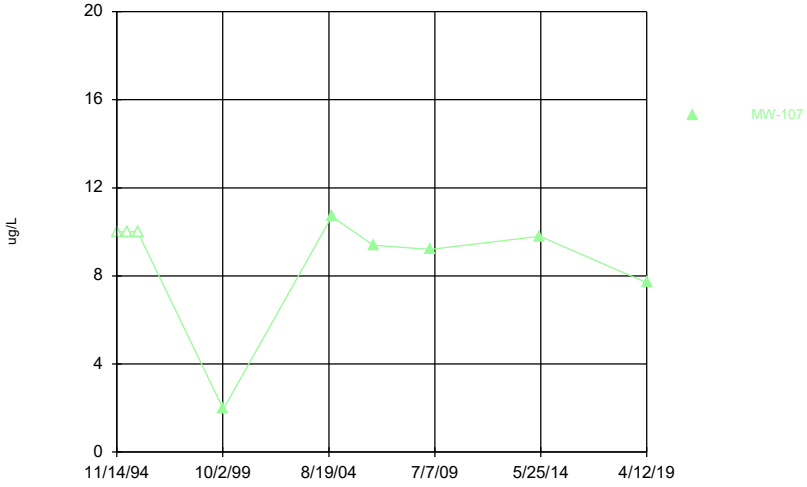
Hollow symbols indicate censored values.

## Time Series




Constituent: Naphthalene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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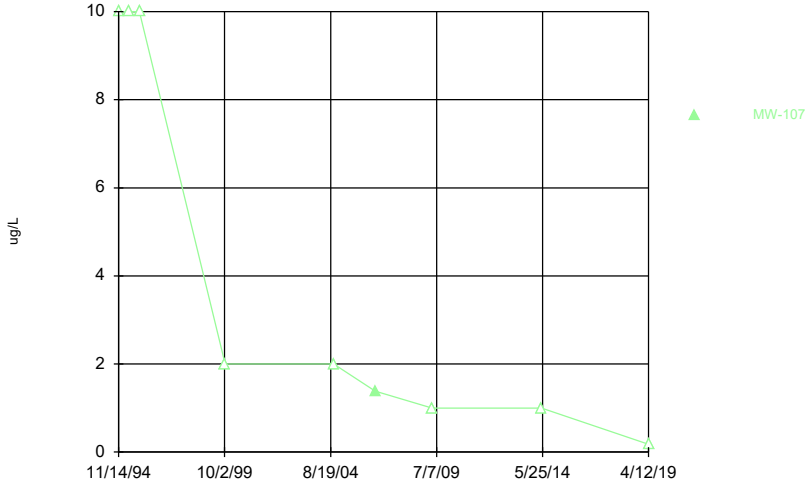
Hollow symbols indicate censored values.

## Time Series




Constituent: Phenanthrene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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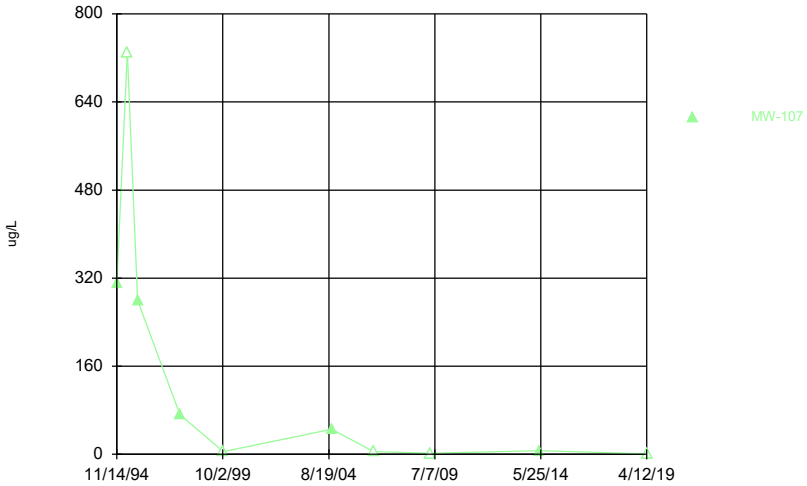
Hollow symbols indicate censored values.

## Time Series




Constituent: Phenol Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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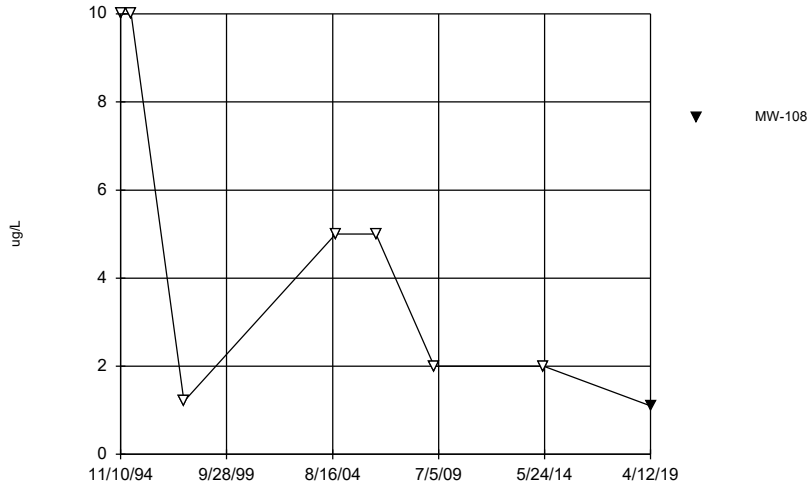
Hollow symbols indicate censored values.

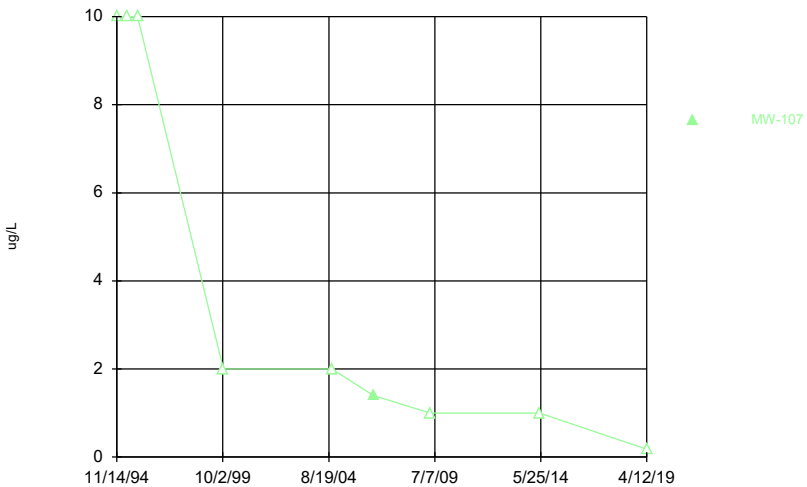
## Time Series




Constituent: Phenol Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: Pyrene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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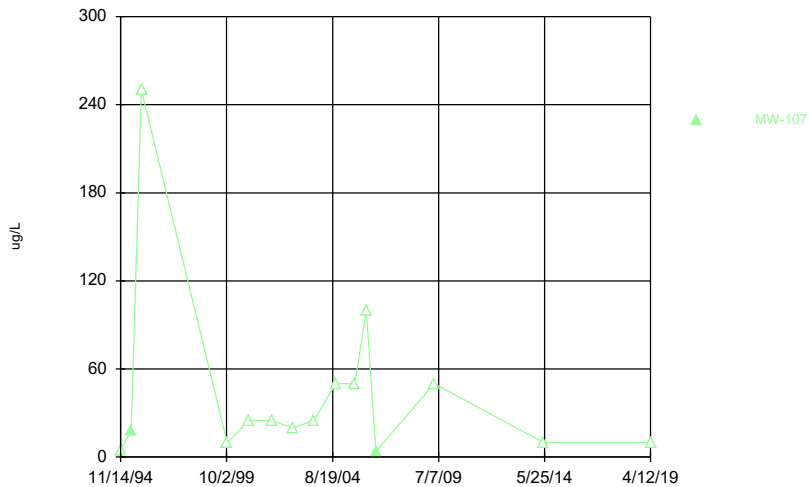
Hollow symbols indicate censored values.

## Time Series




Constituent: Tetrachloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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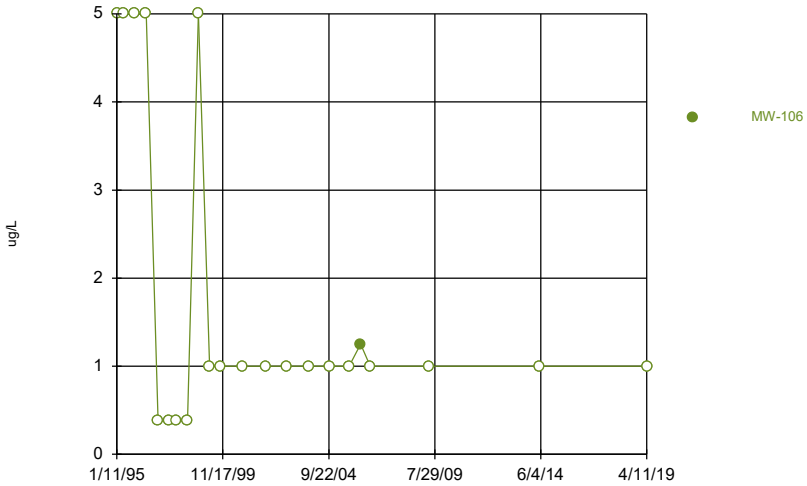
Hollow symbols indicate censored values.

## Time Series




Constituent: Toluene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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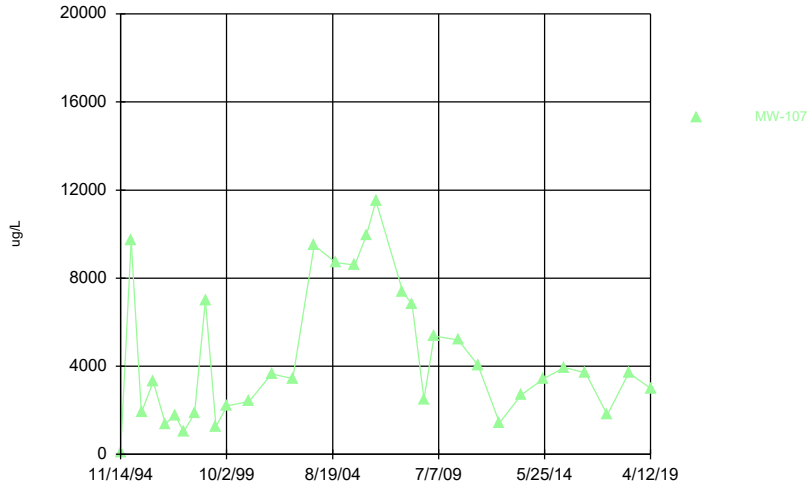
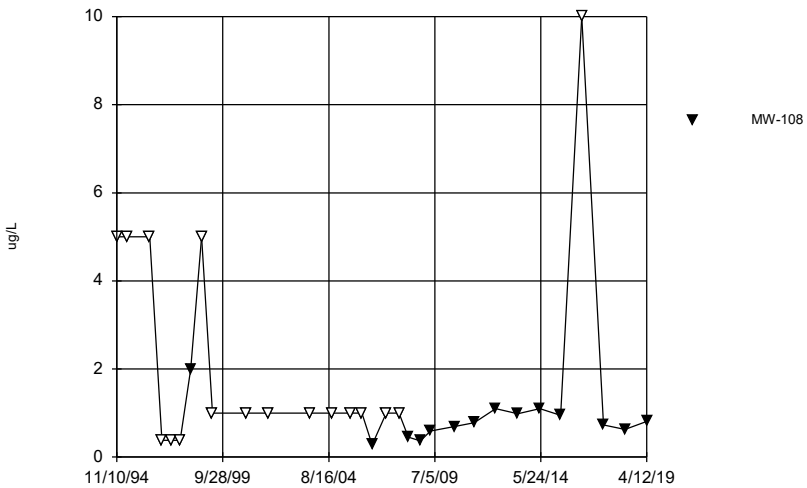
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

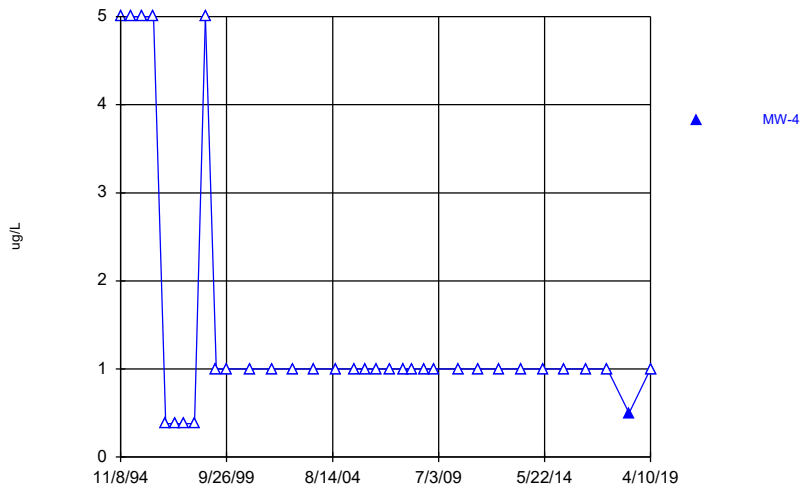
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

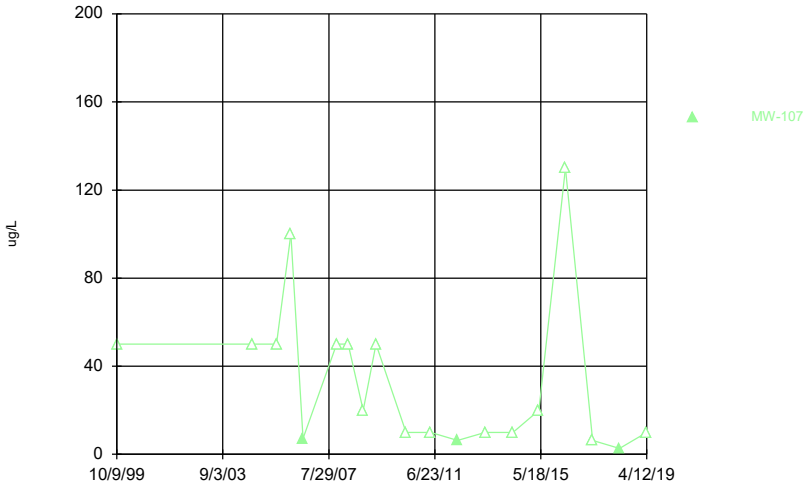
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: trans-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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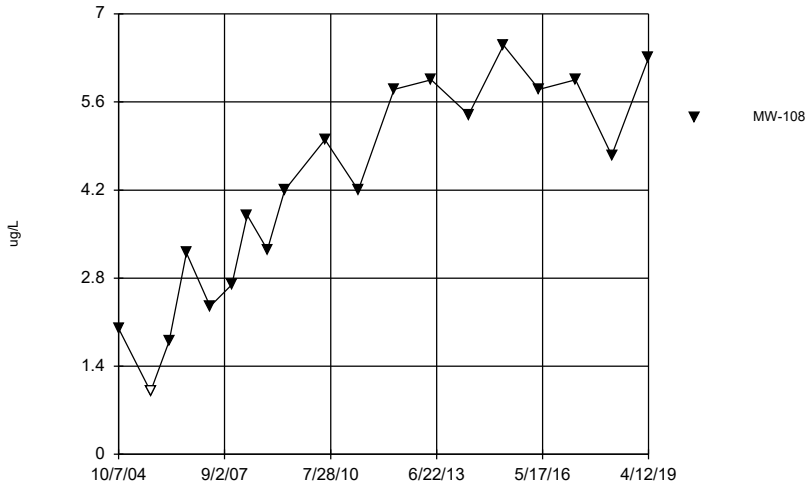
Hollow symbols indicate censored values.

Time Series




Constituent: trans-1,2-Dichloroethene Analysis Run 11/5/2019 1:12 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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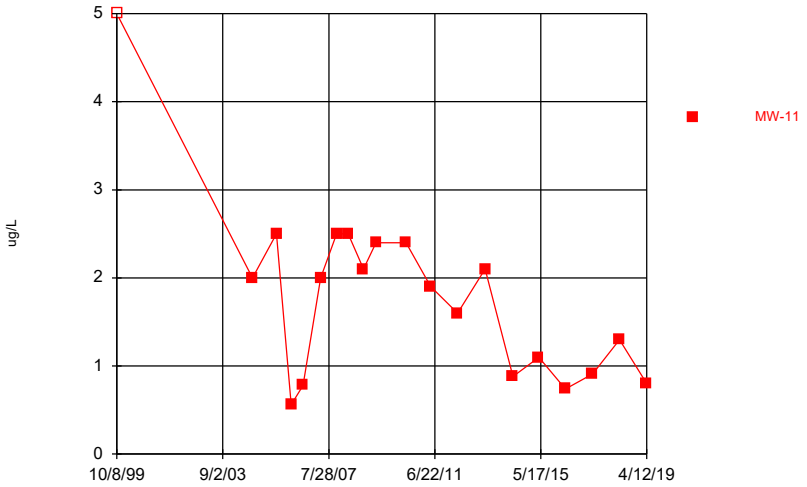
Hollow symbols indicate censored values.

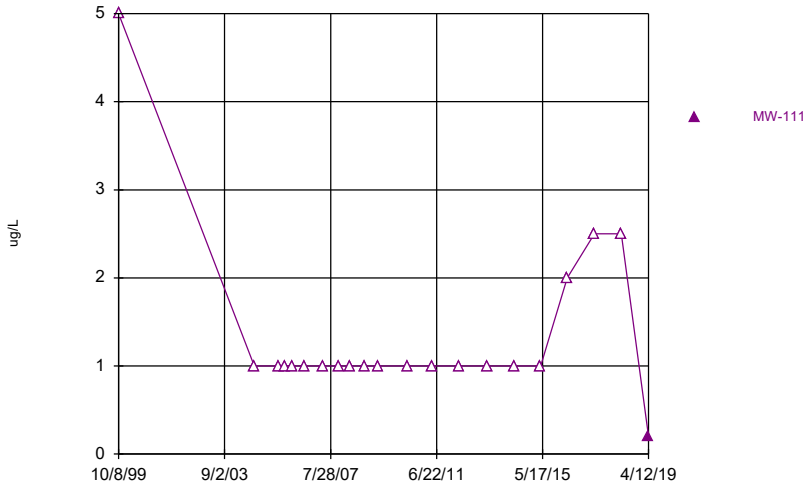
Time Series




Constituent: trans-1,2-Dichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: trans-1,2-Dichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
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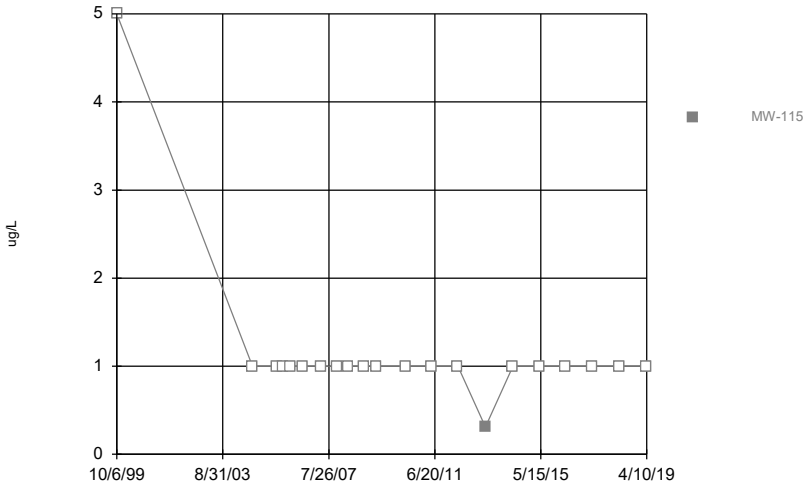
Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: trans-1,2-Dichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
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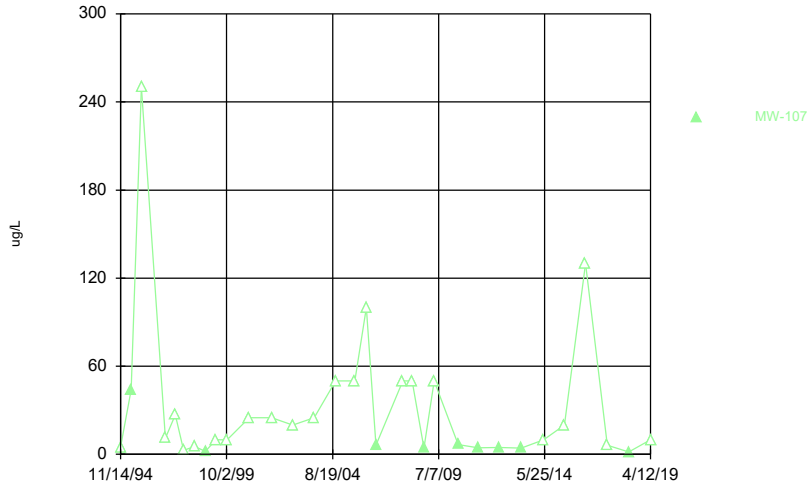
Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
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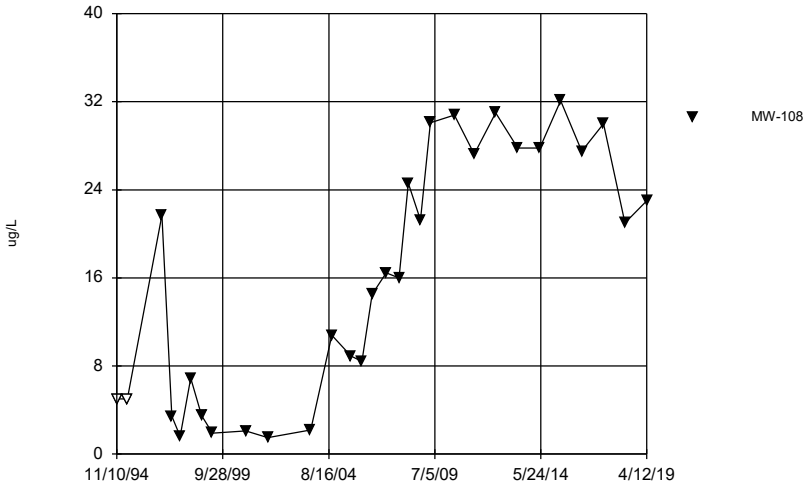
Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

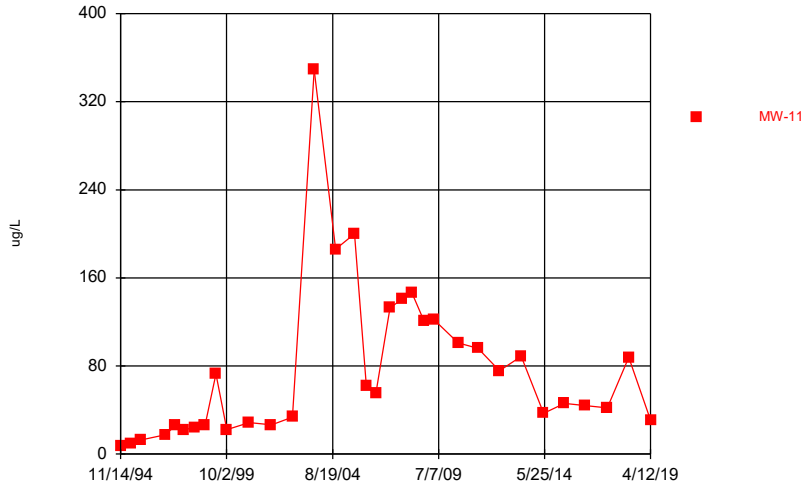
Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

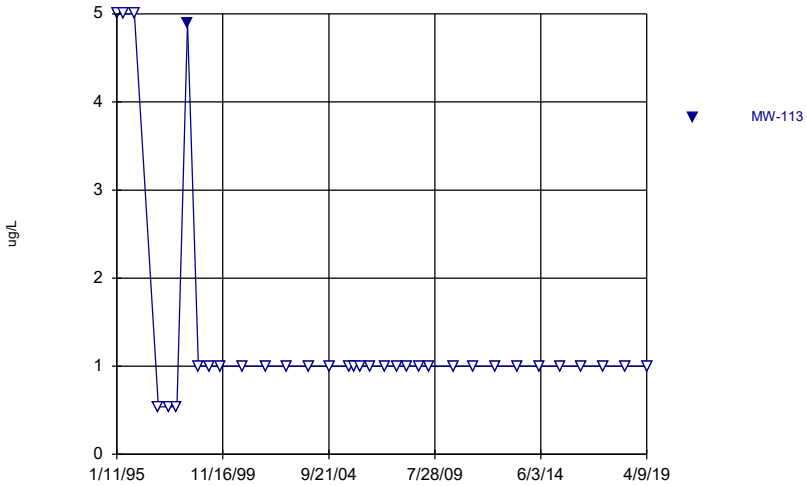
Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

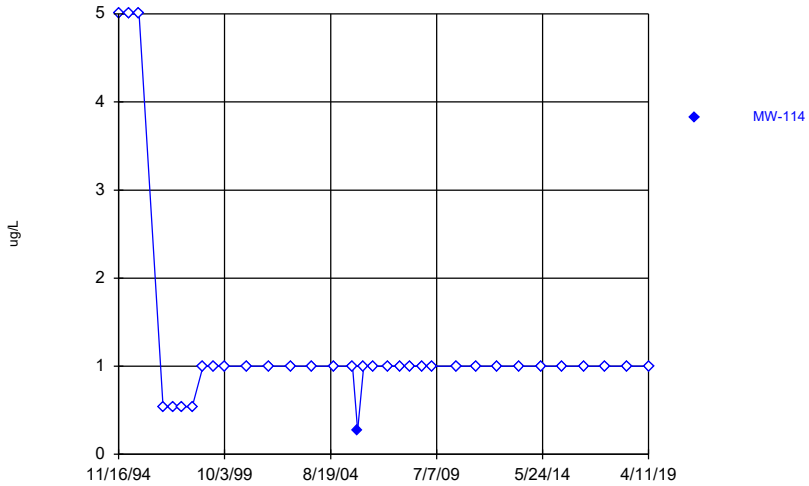
Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

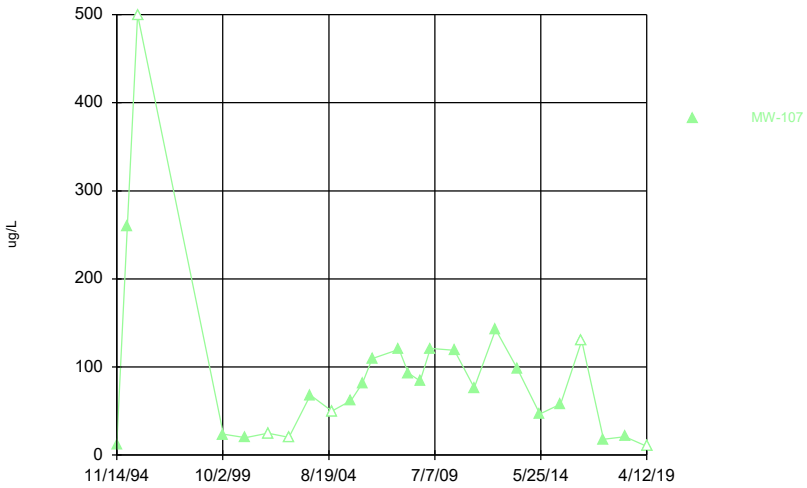
Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

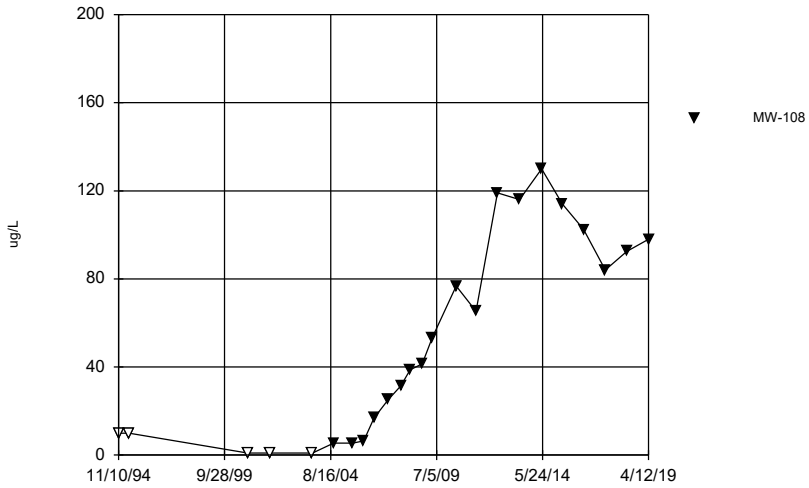
Time Series




Constituent: Vinyl chloride Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

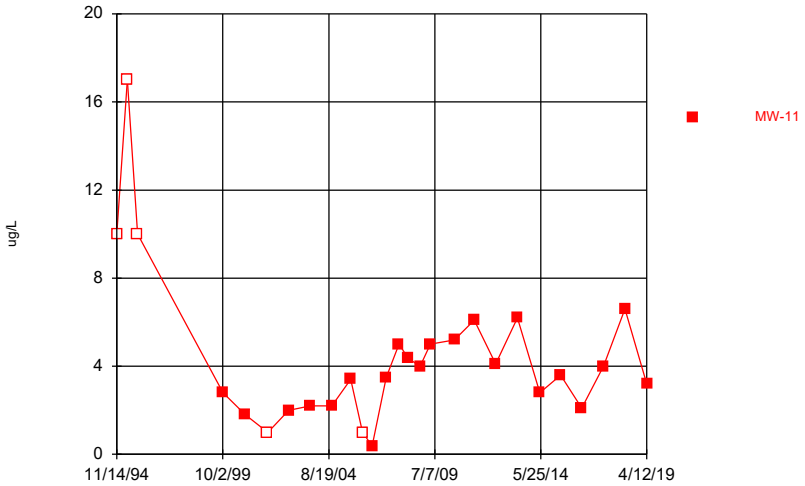
Time Series




Constituent: Vinyl chloride Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Vinyl chloride Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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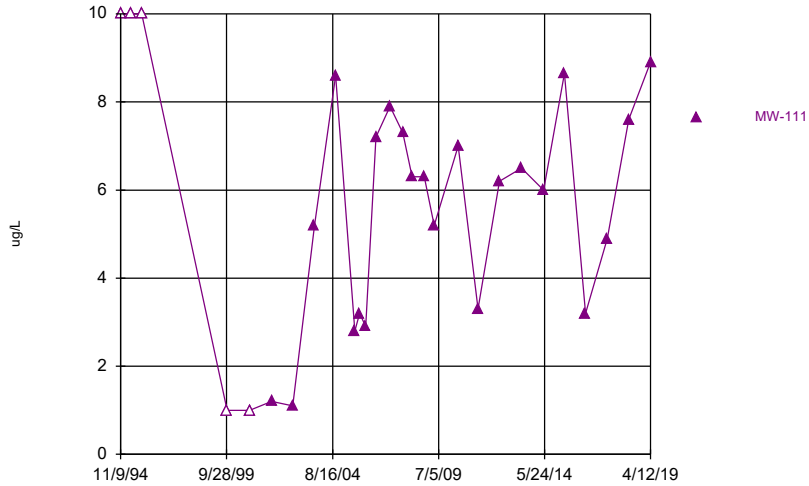
Hollow symbols indicate censored values.

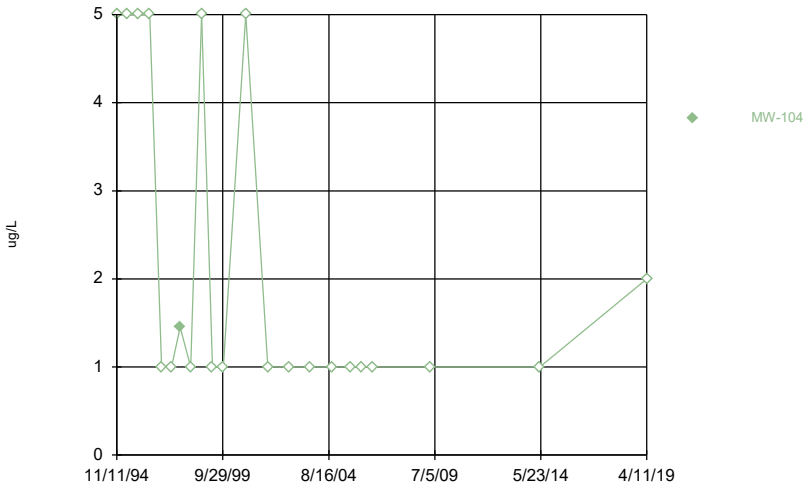
Time Series




Constituent: Vinyl chloride Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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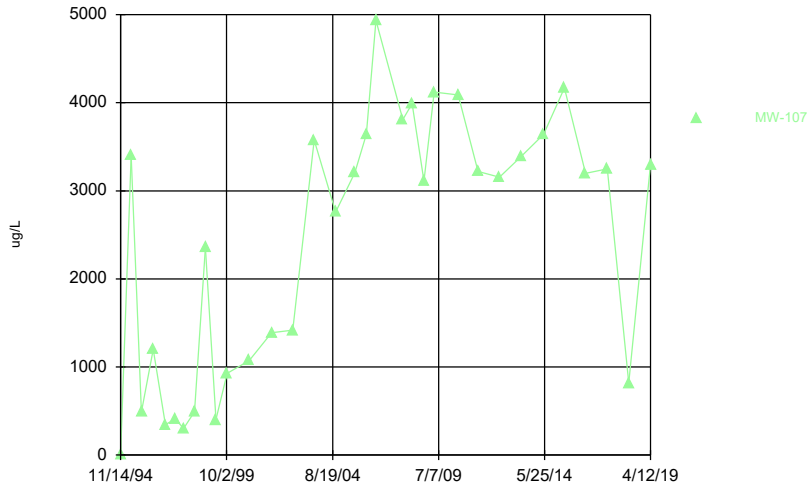
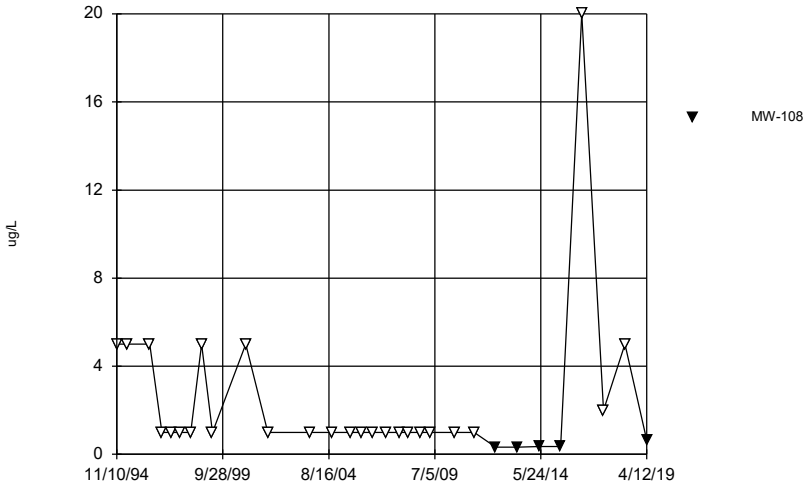
Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

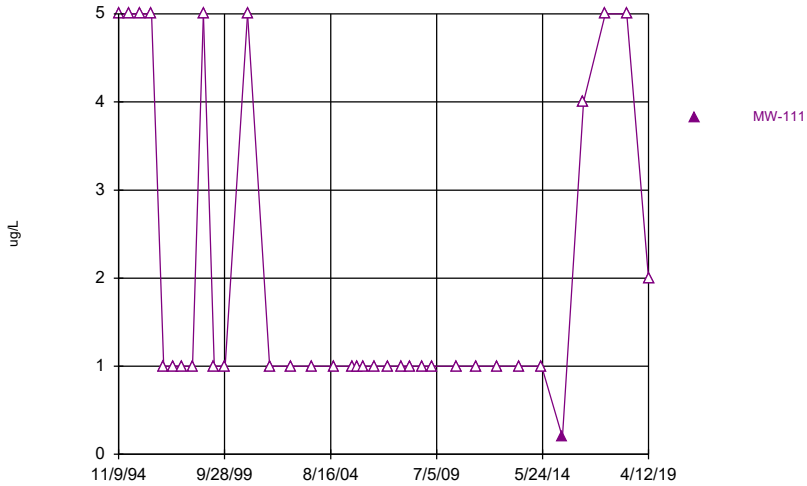
Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

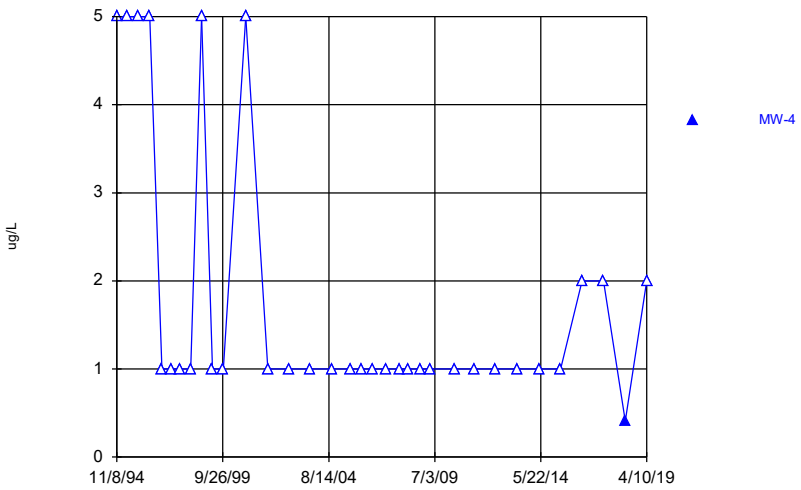
Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 1:13 PM View: WTU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

# UPPER INTERMEDIATE UNIT WELLS

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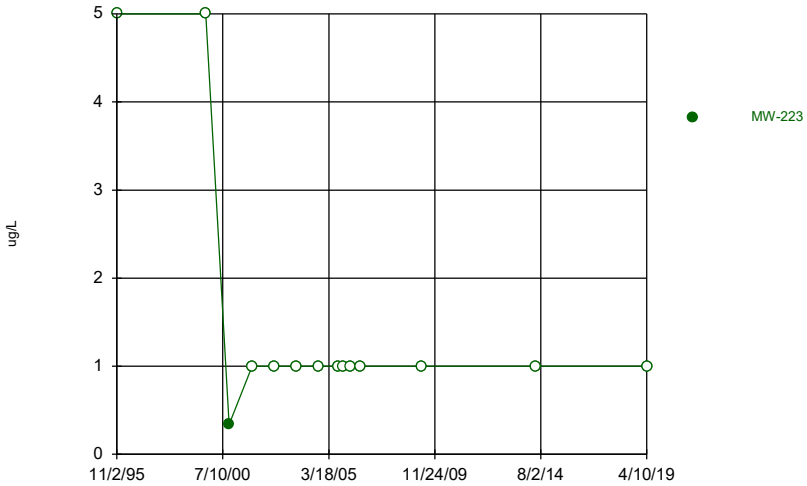
Hollow symbols indicate censored values.

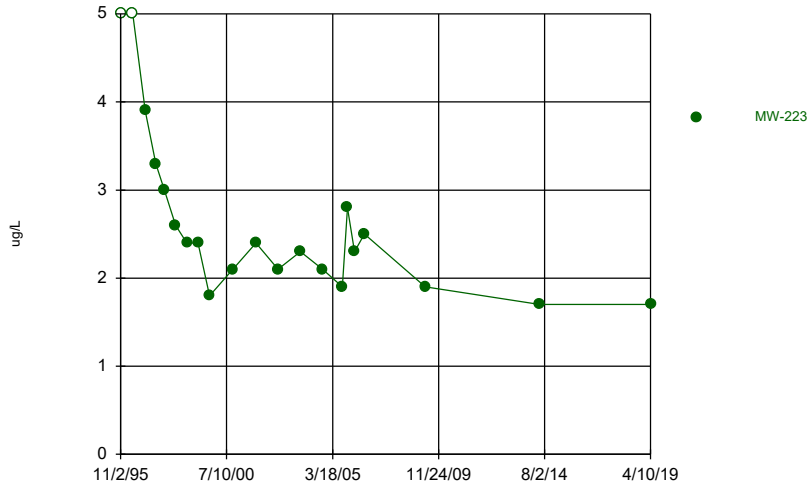
Time Series




Constituent: 1,1,1-Trichloroethane Analysis Run 11/5/2019 12:39 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

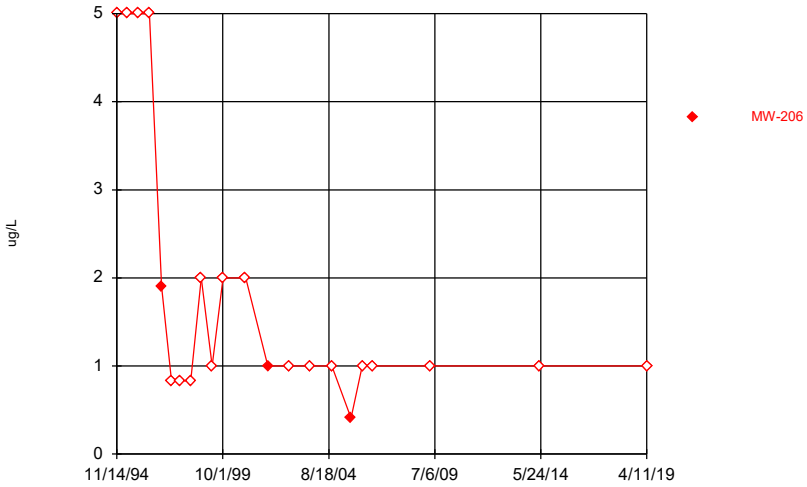
Time Series




Constituent: 1,1-Dichloroethane Analysis Run 11/5/2019 12:39 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 12:39 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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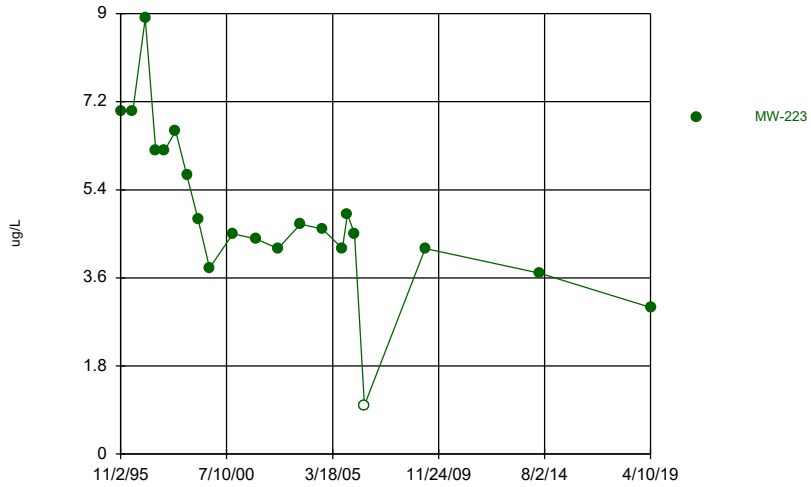
Hollow symbols indicate censored values.

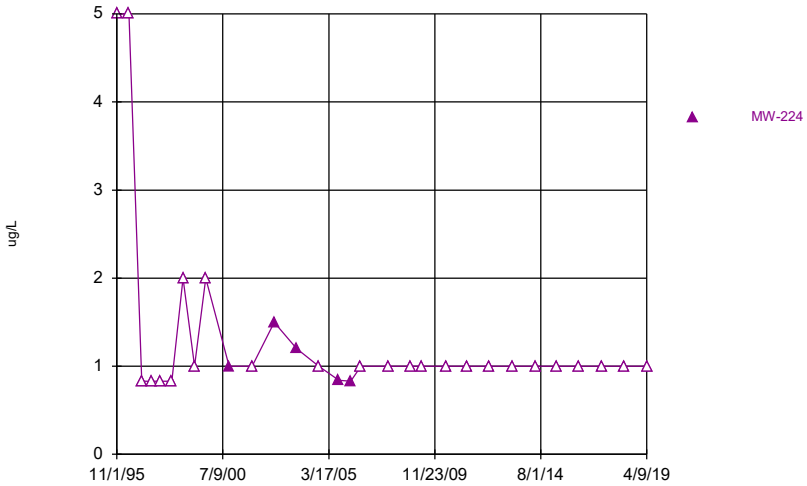
Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 12:39 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 12:39 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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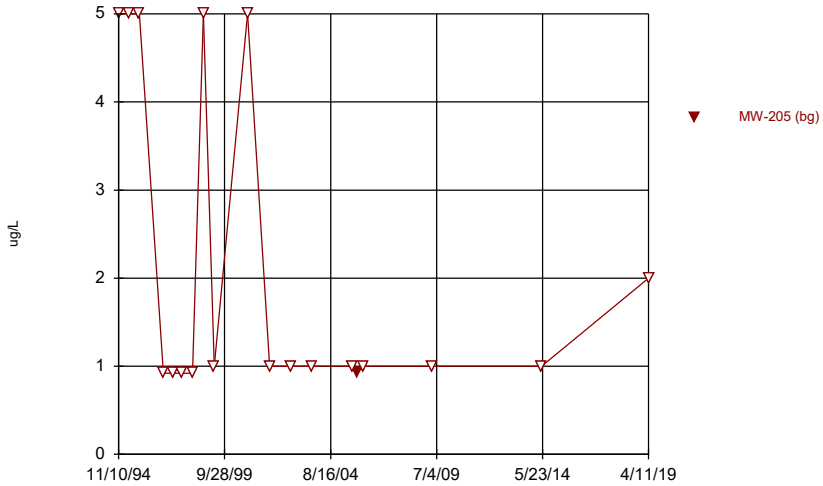
Hollow symbols indicate censored values.

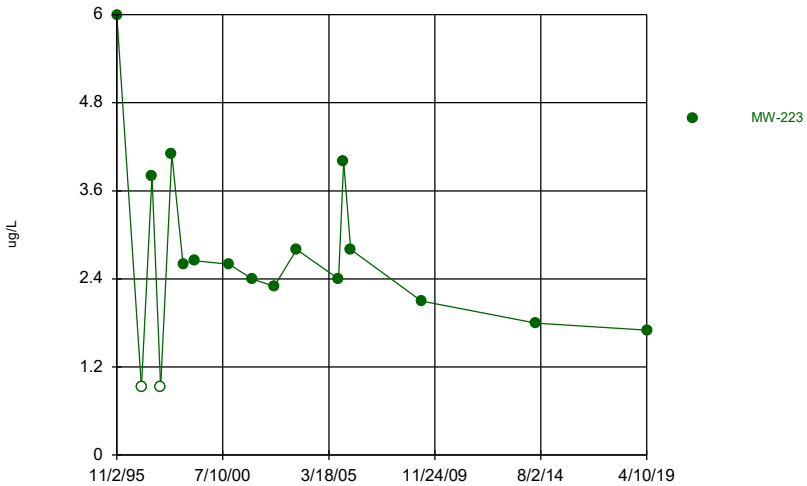
Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

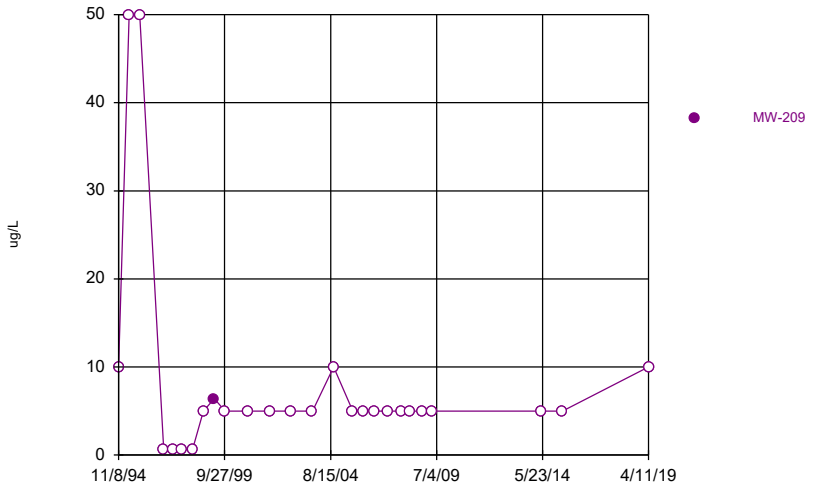
Time Series




Constituent: 1,2-Dichloroethene [total] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

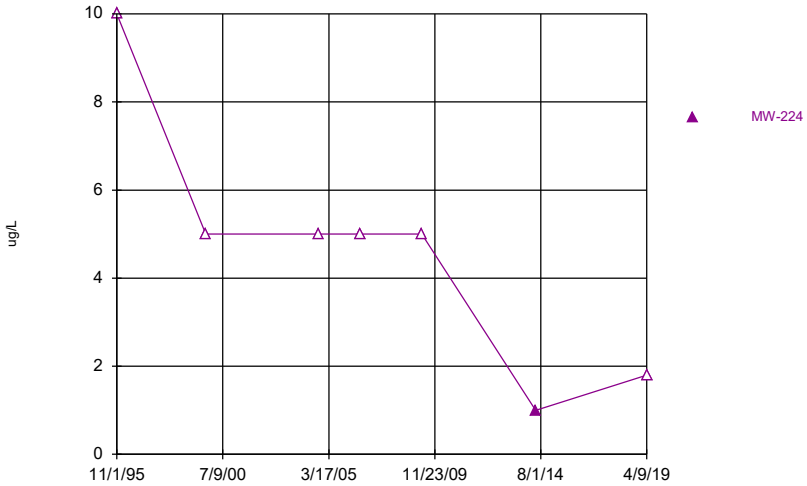
Time Series




Constituent: 2-Butanone [Methyl ethyl ketone] [MEK] Analysis Run 11/5/2019 12:40 PM View: UIU Time S
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

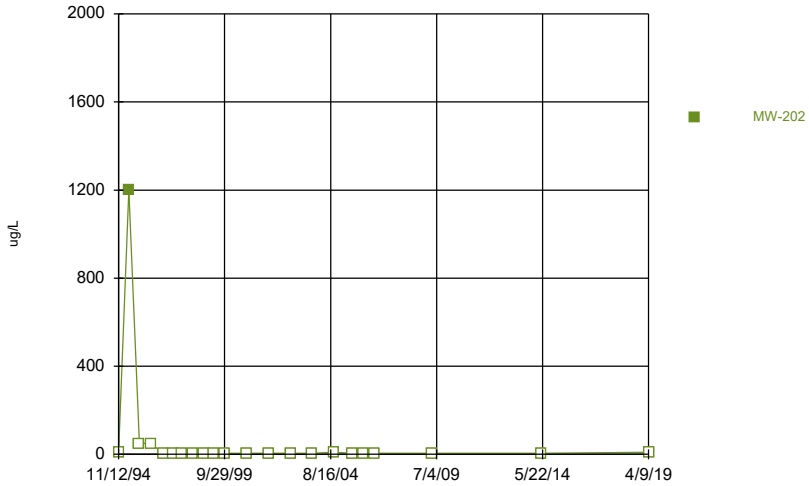
## Time Series




Constituent: 4-Chloroaniline Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

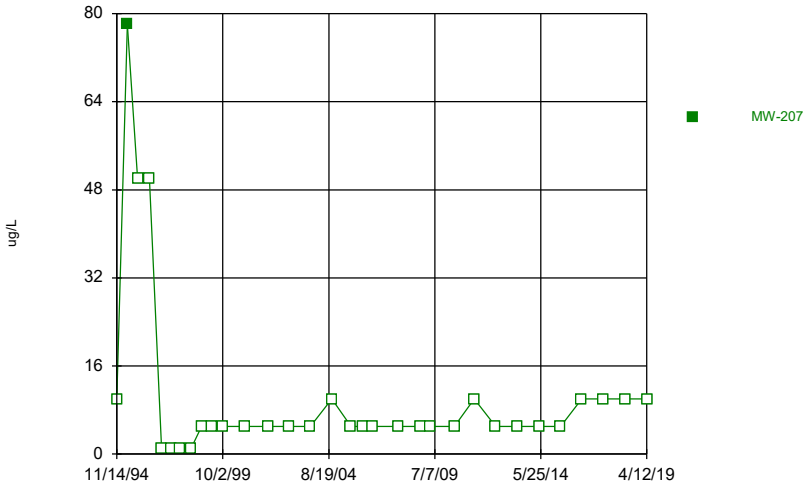
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

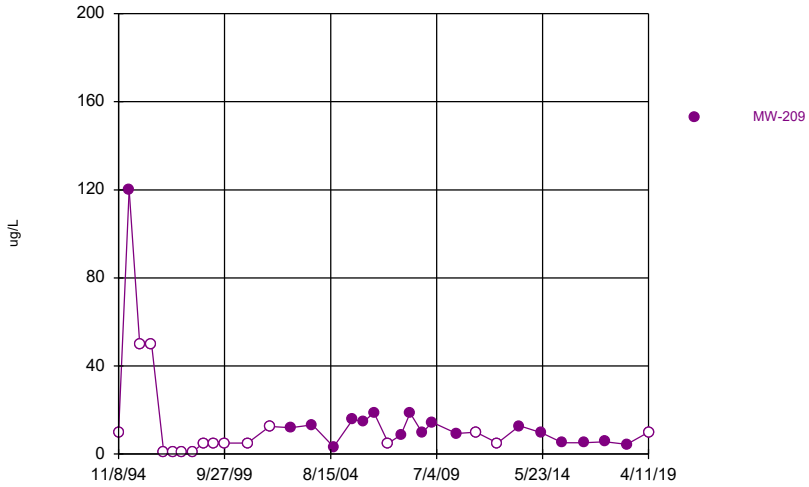
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

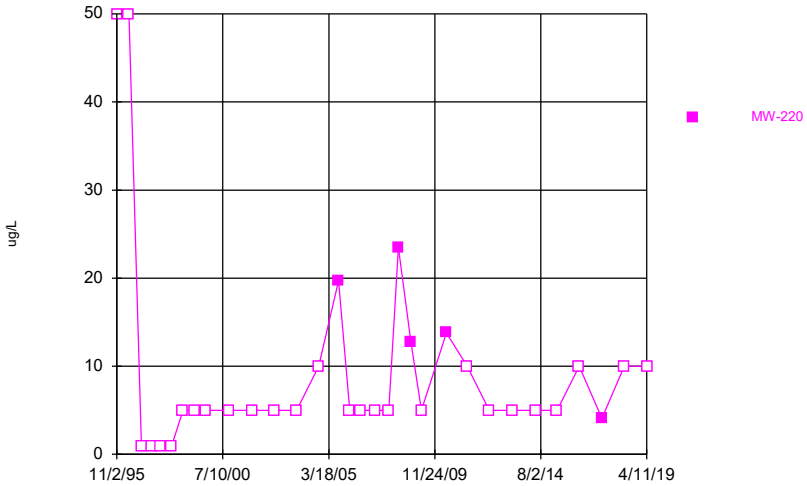
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

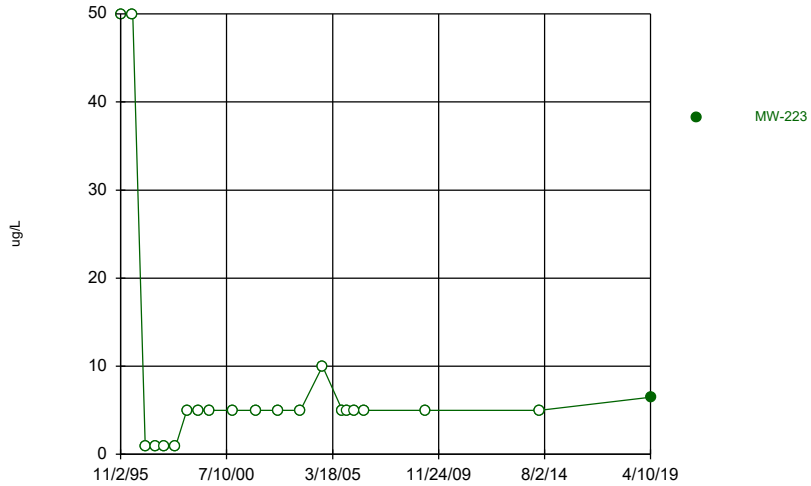
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

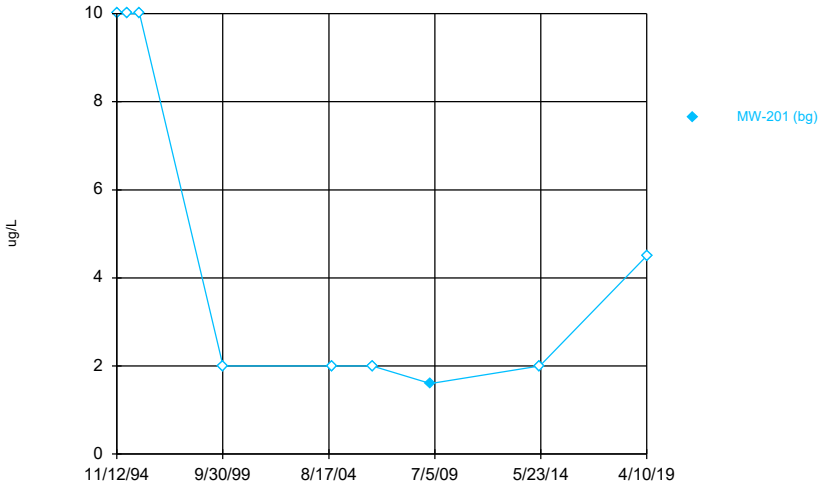
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

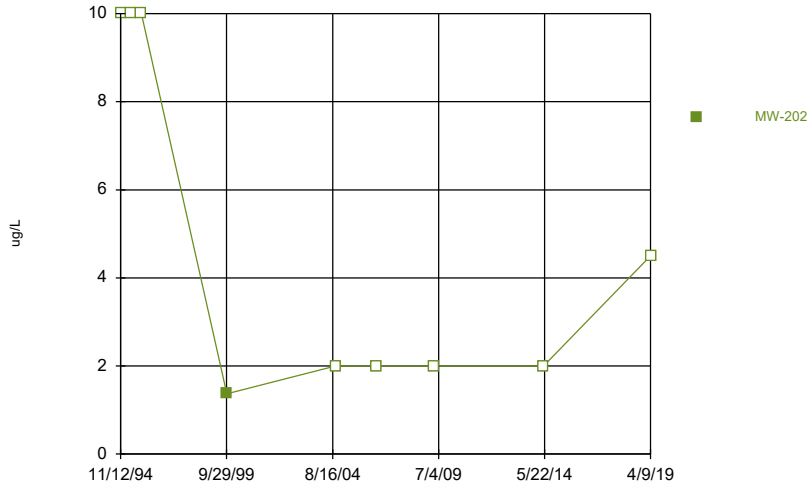
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

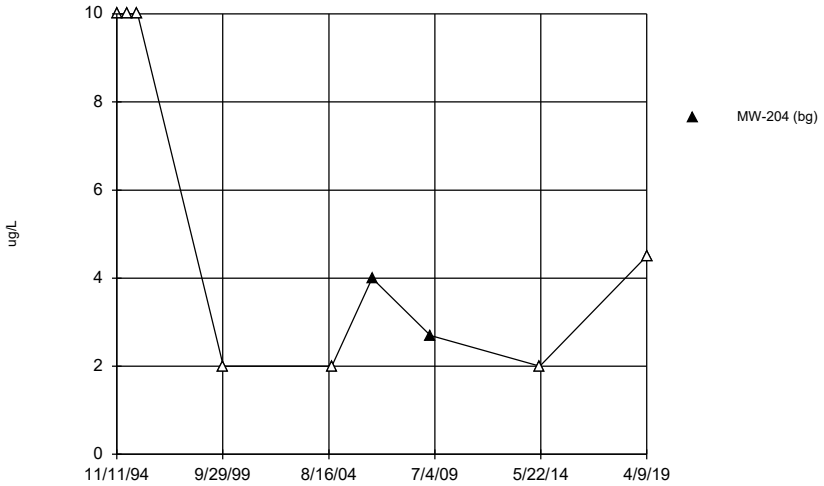
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

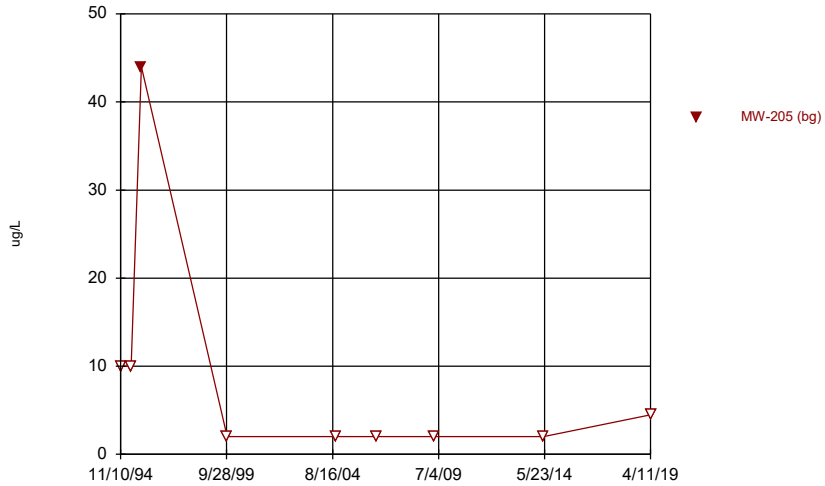
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

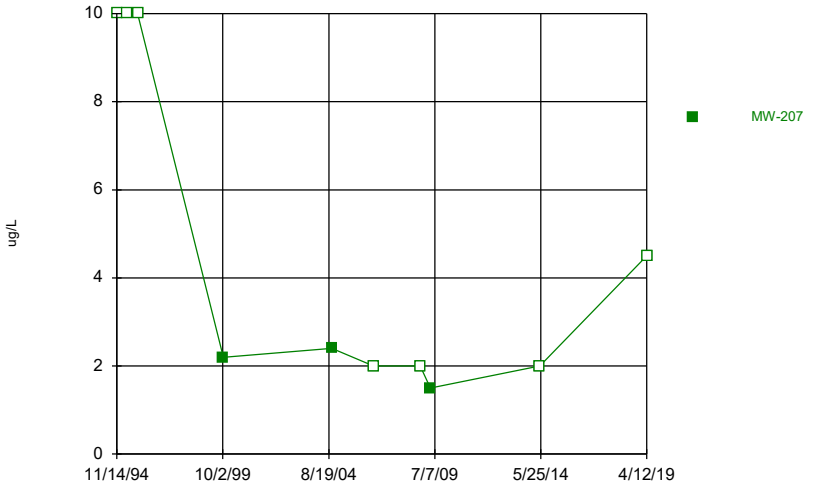
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

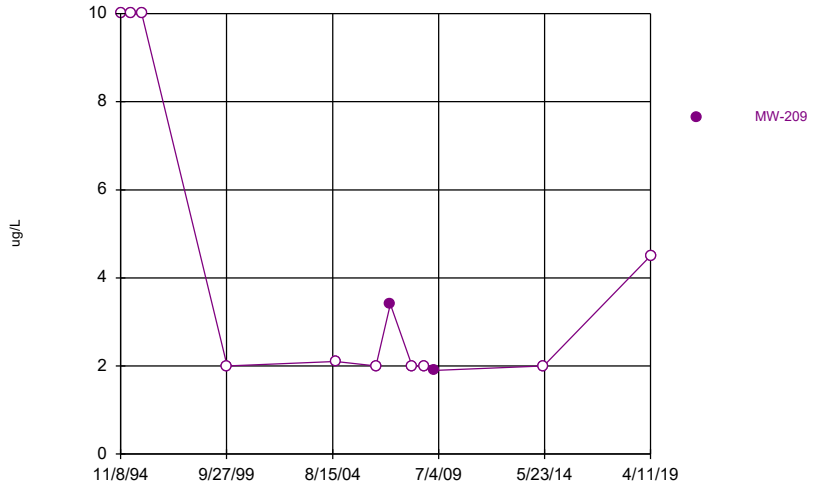
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

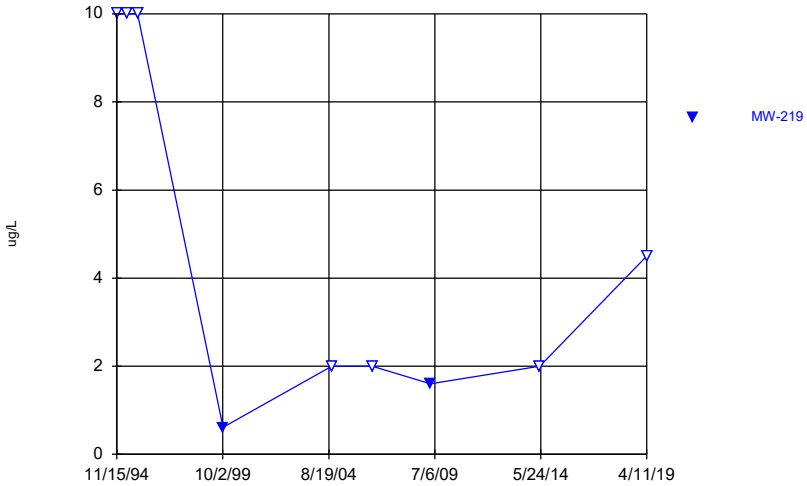
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

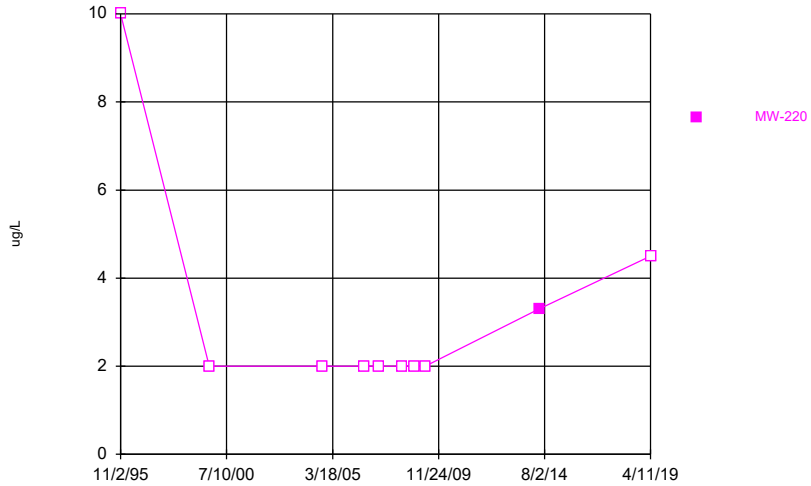
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

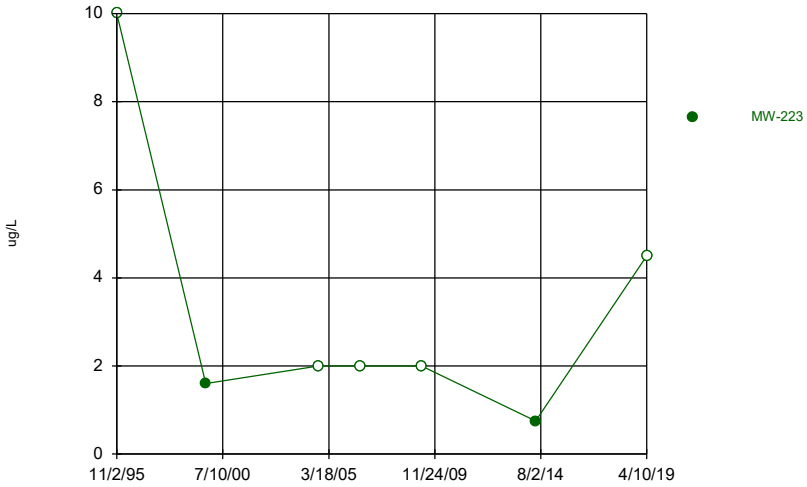
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

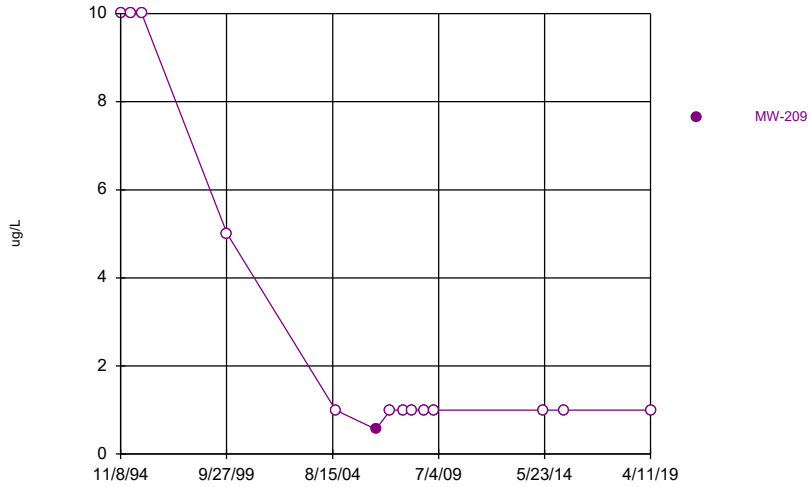
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

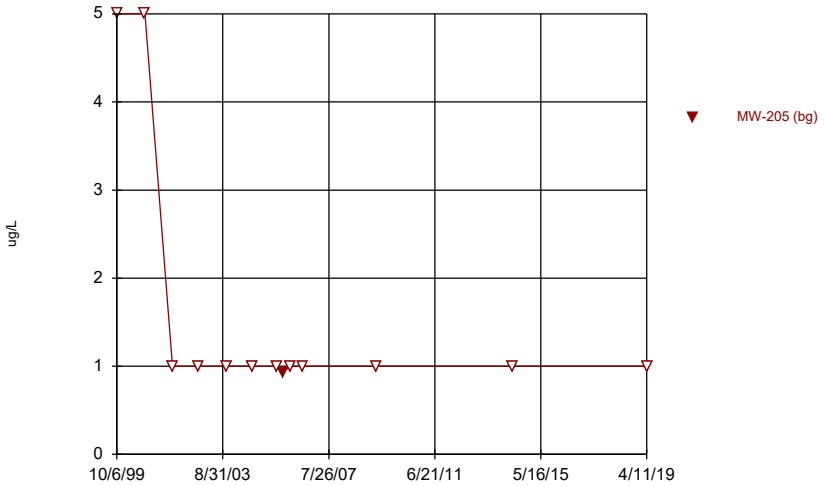
Time Series




Constituent: Chloromethane [Methyl chloride] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

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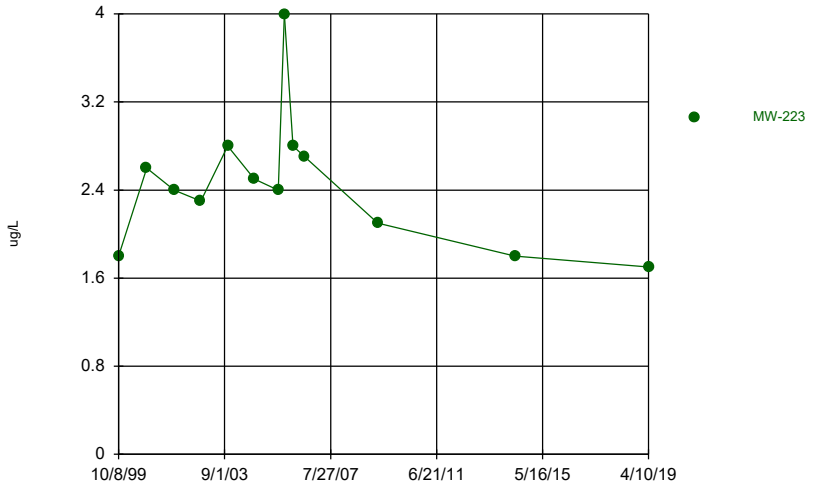
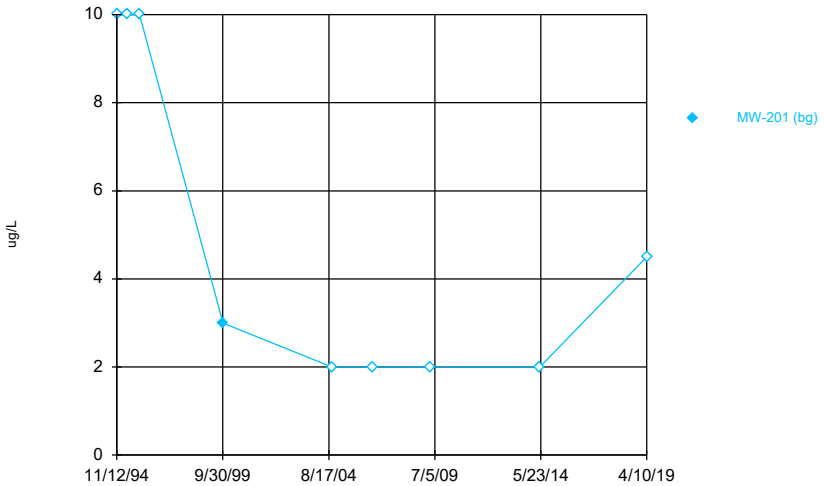
## Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

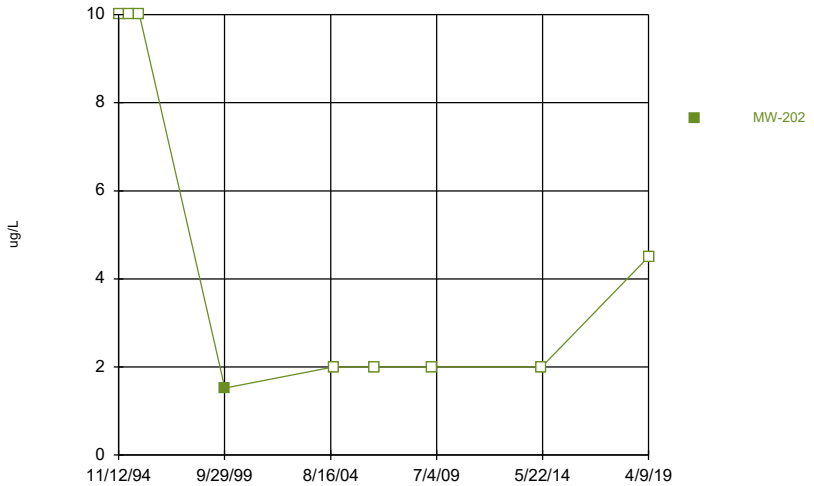
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

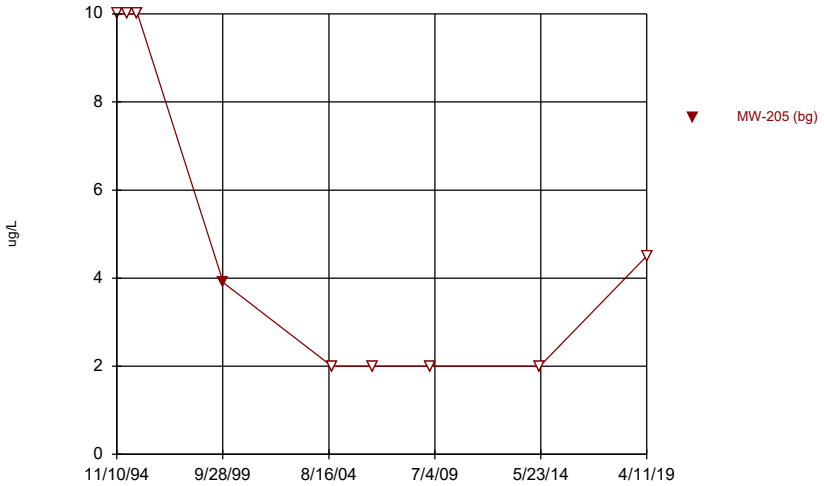
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

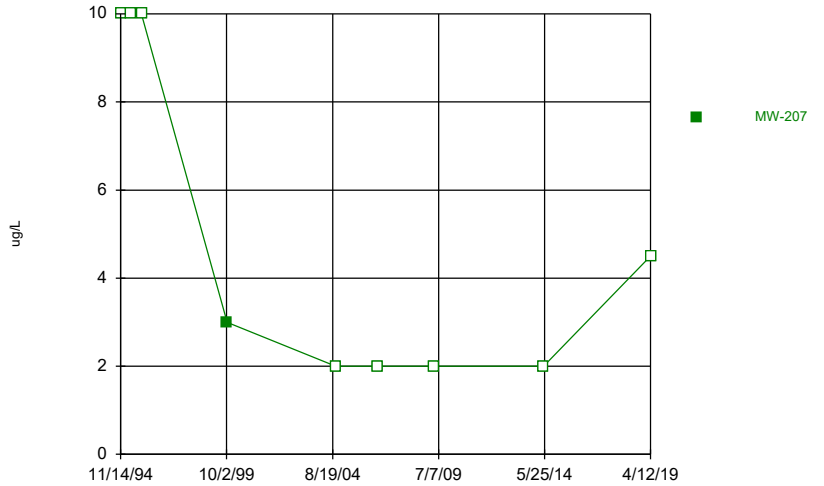
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

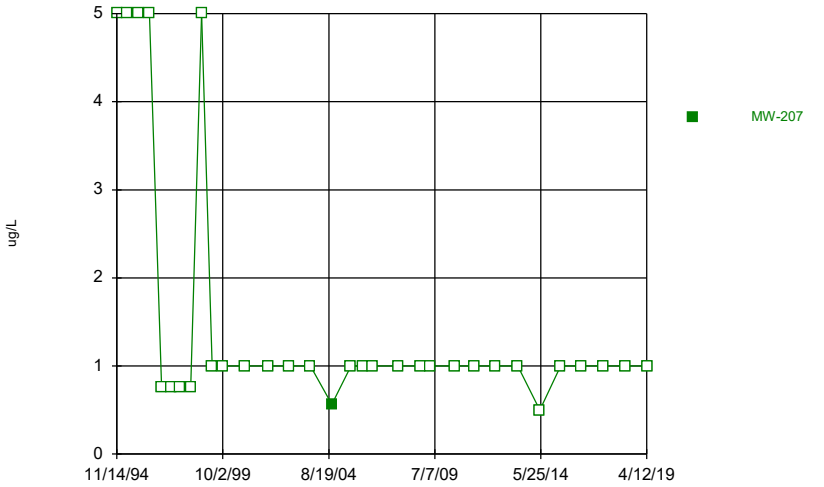
Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

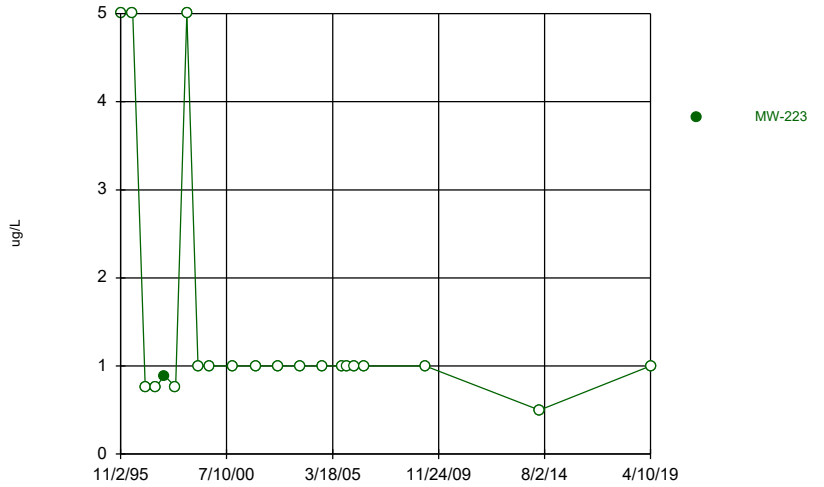
Time Series




Constituent: Ethylbenzene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

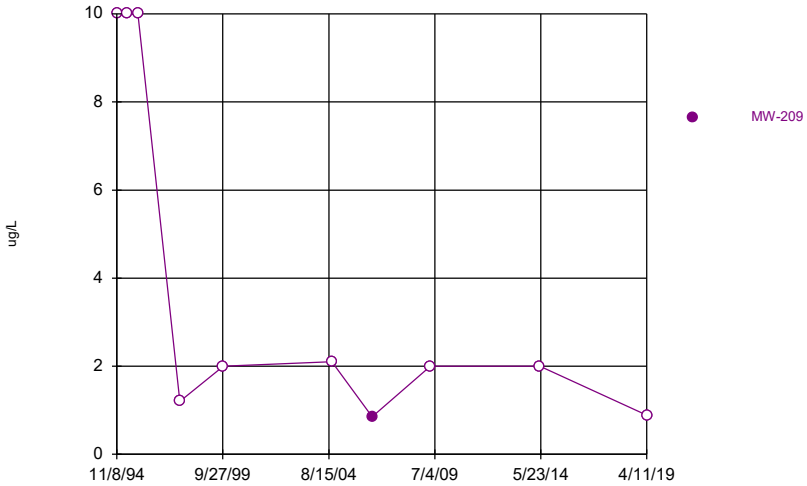
Time Series




Constituent: Ethylbenzene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

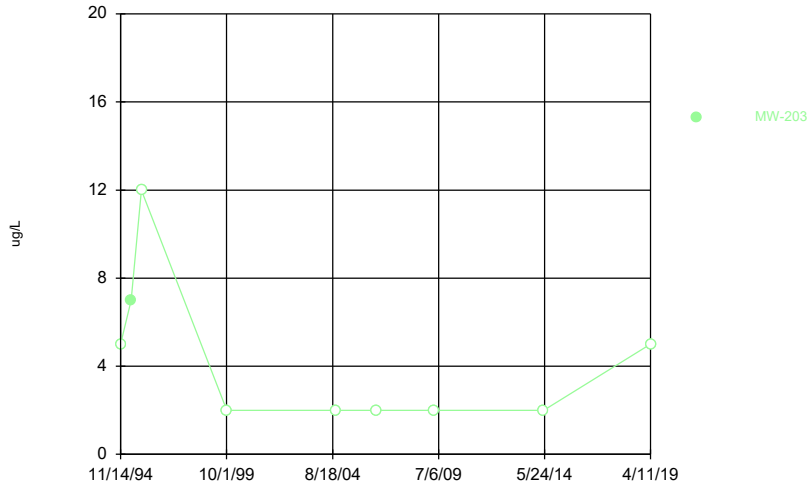
Time Series




Constituent: Isophorone Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

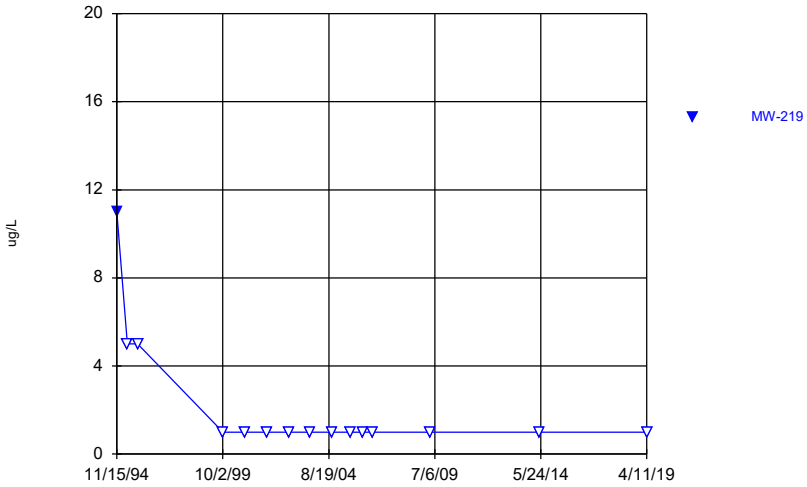
Time Series




Constituent: Methylene chloride Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

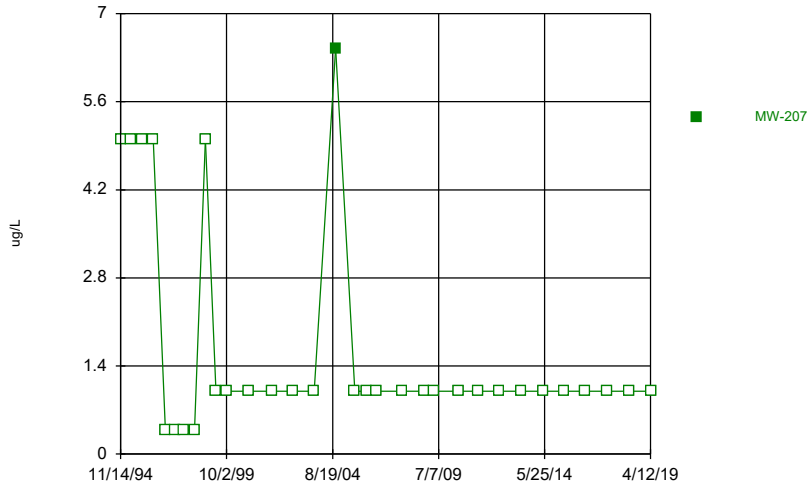
Time Series




Constituent: Tetrachloroethene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

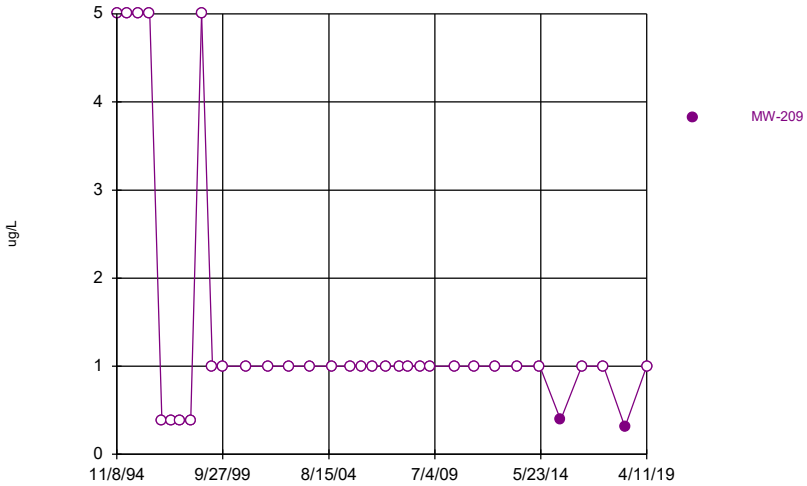
Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

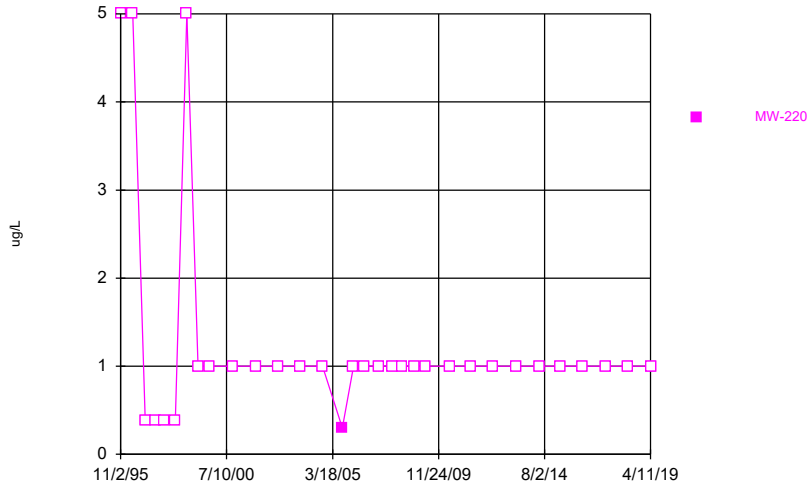
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

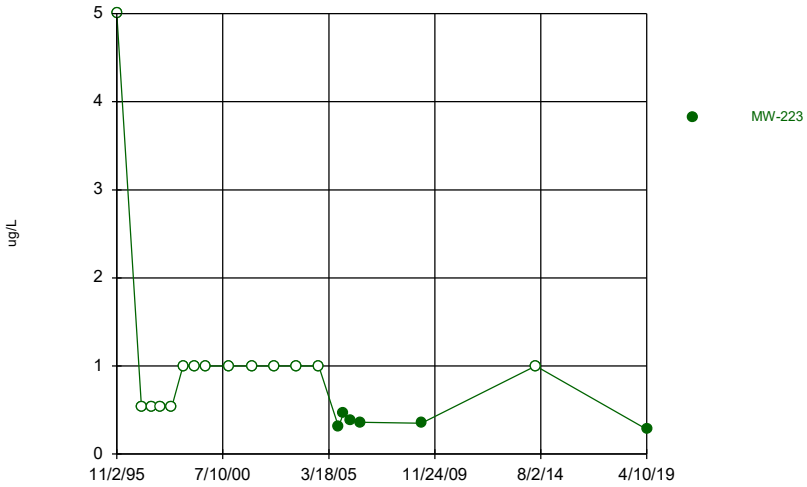
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

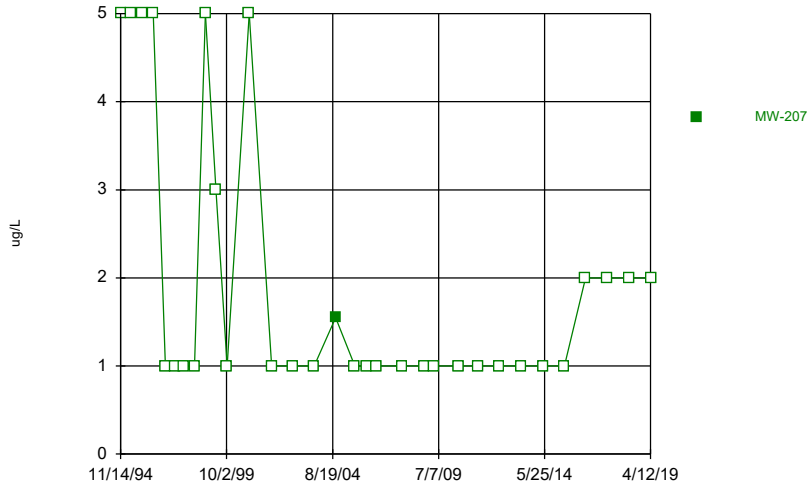
## Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

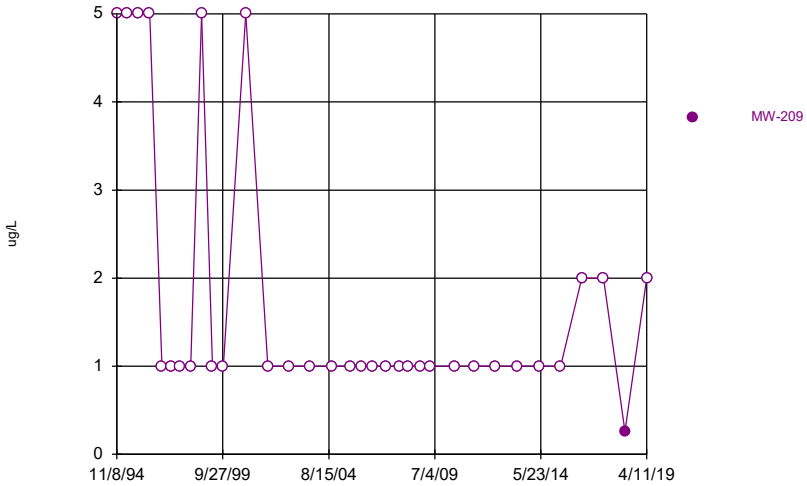
## Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

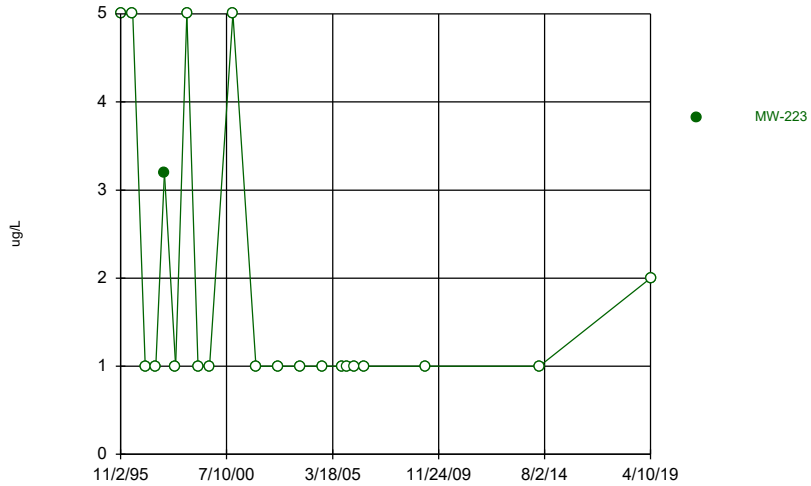
Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series

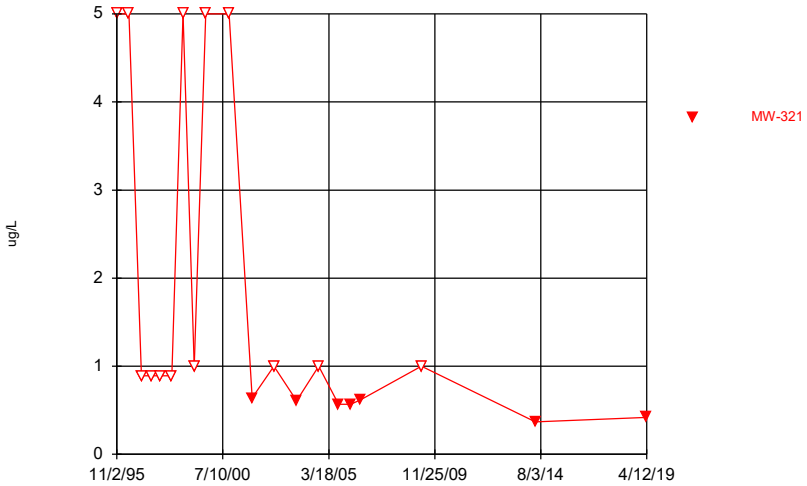



Constituent: Xylenes [total] Analysis Run 11/5/2019 12:40 PM View: UIU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

# LOWER INTERMEDIATE UNIT WELLS

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,1-Dichloroethane Analysis Run 11/5/2019 12:50 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

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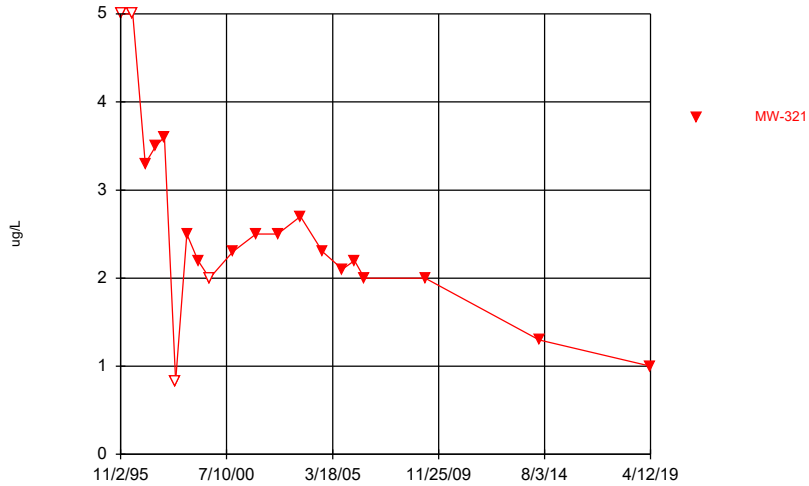
Hollow symbols indicate censored values.

## Time Series




Constituent: 1,2-Dichloroethane Analysis Run 11/5/2019 12:50 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

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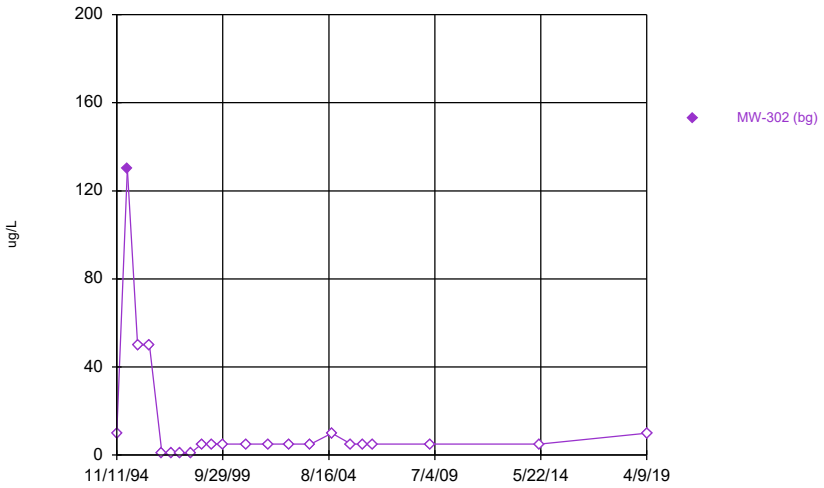
Hollow symbols indicate censored values.

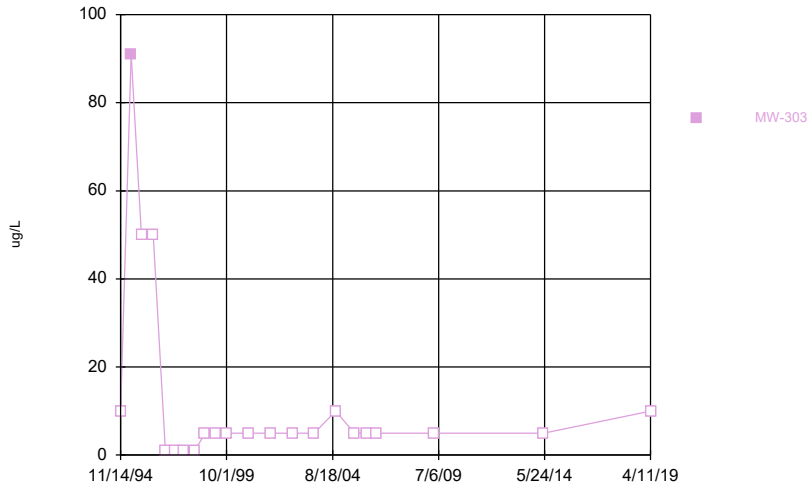
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:50 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

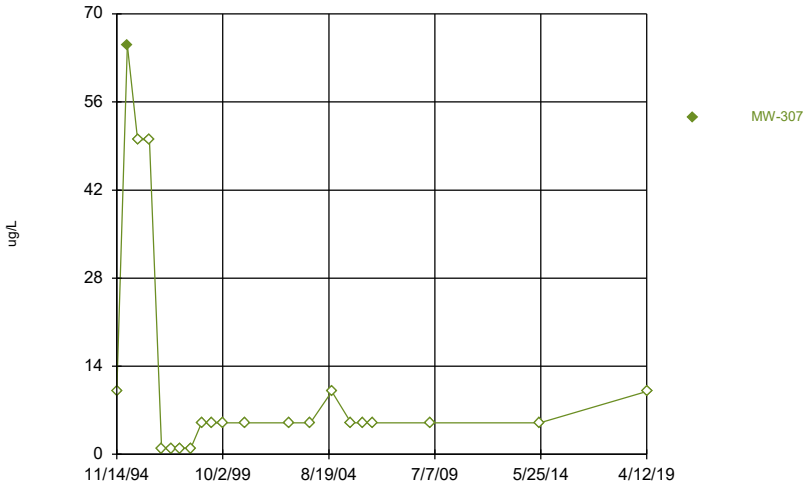
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:50 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

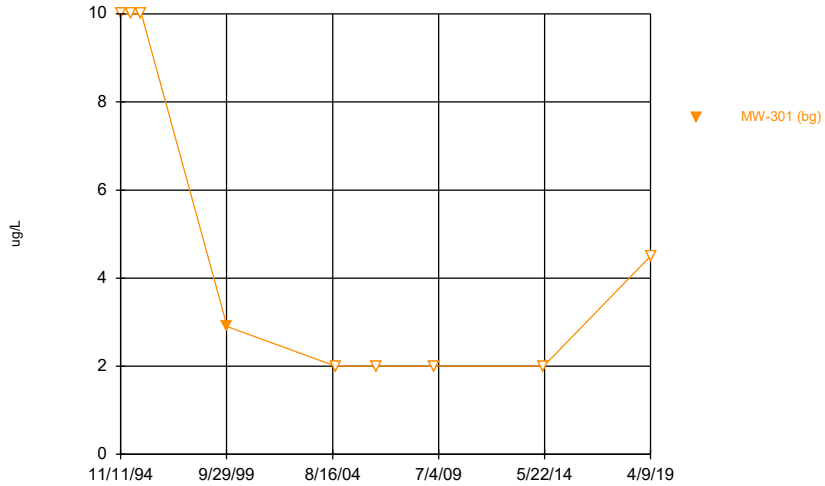
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:50 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

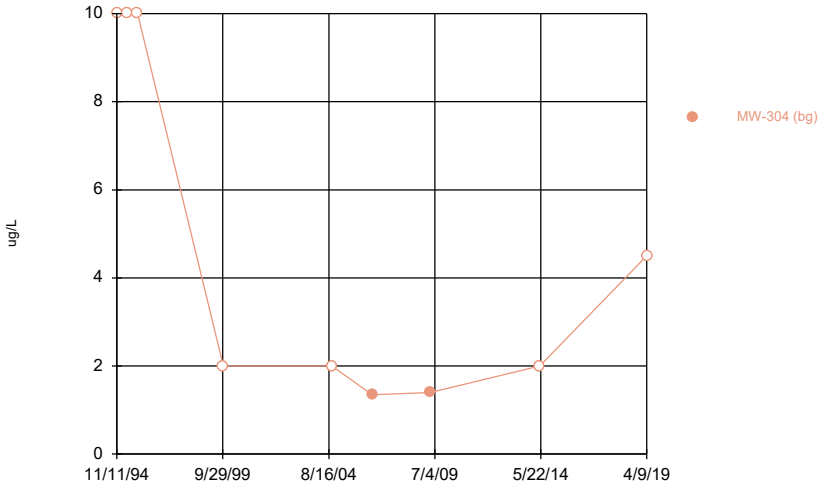
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

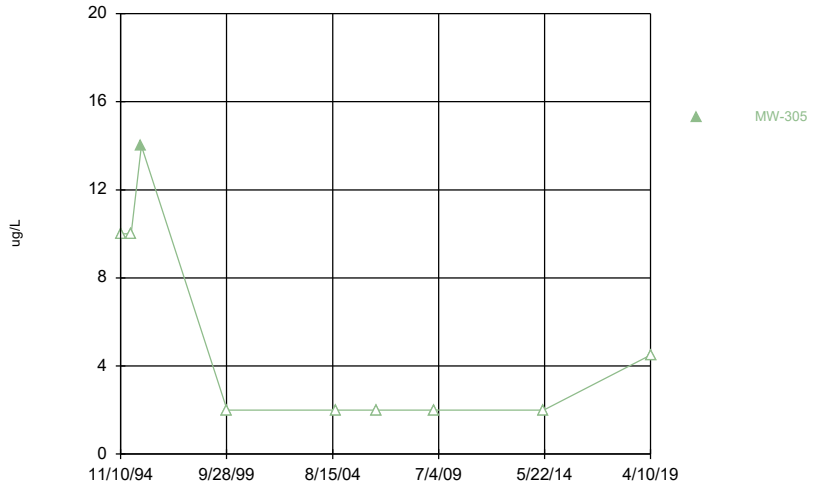
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

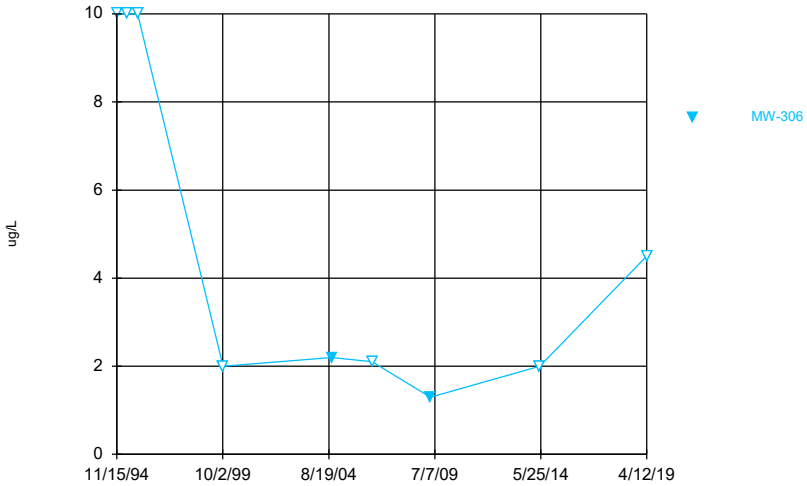
## Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

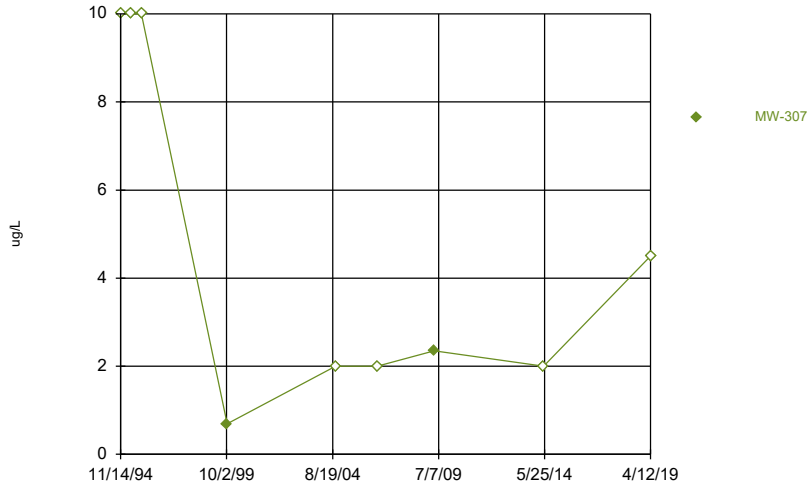
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

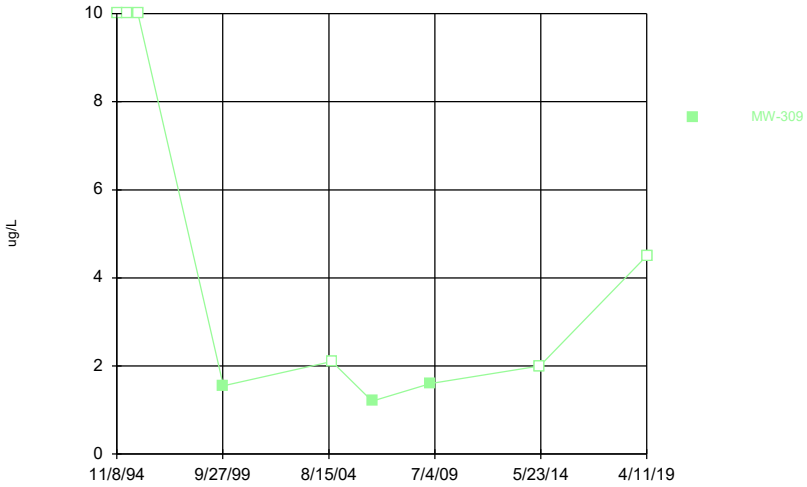
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

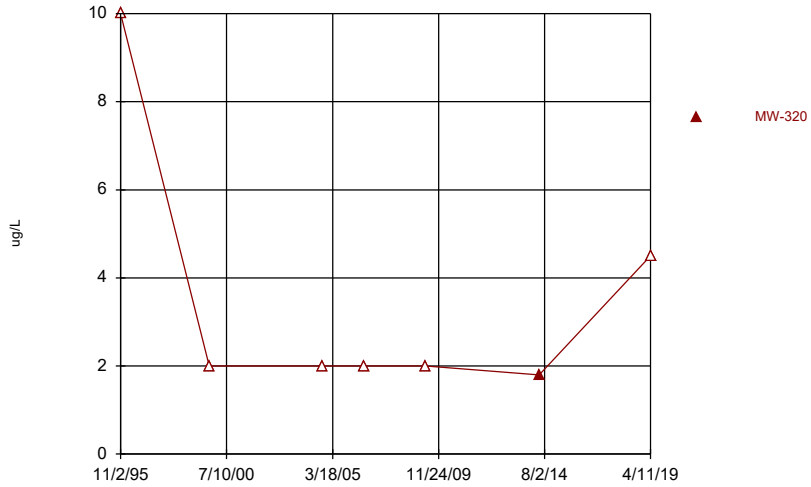
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

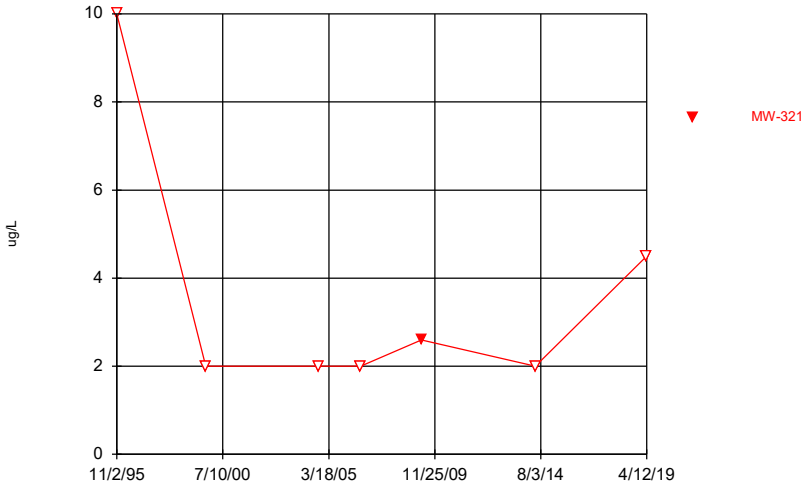
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

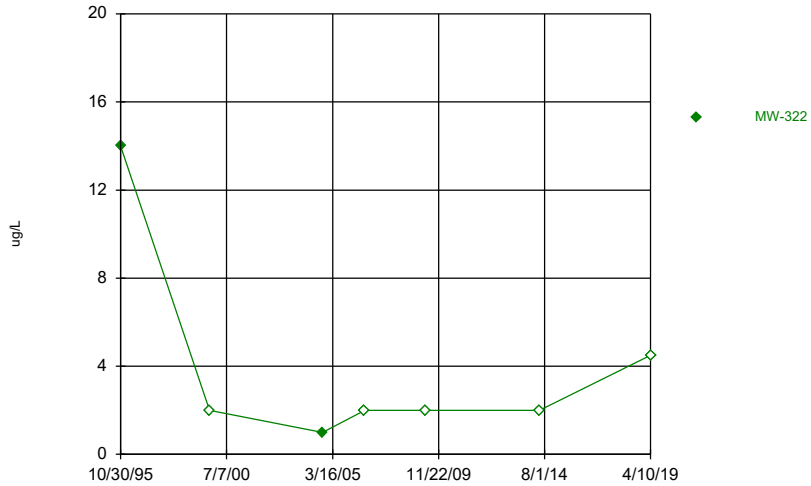
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

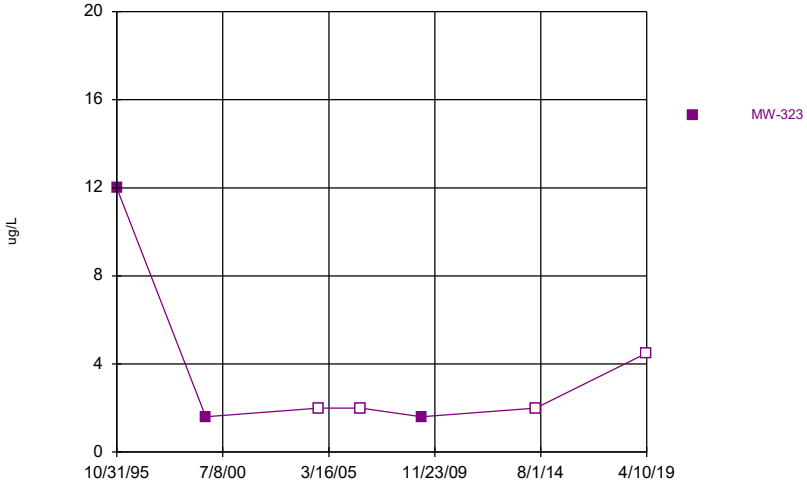
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

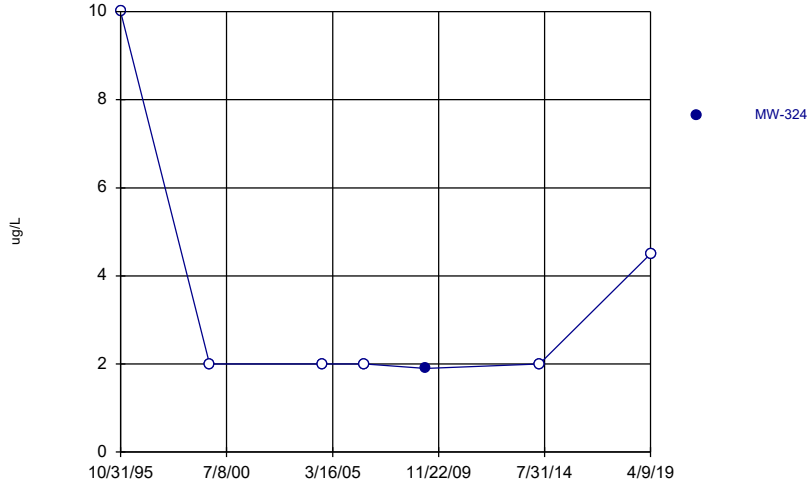
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

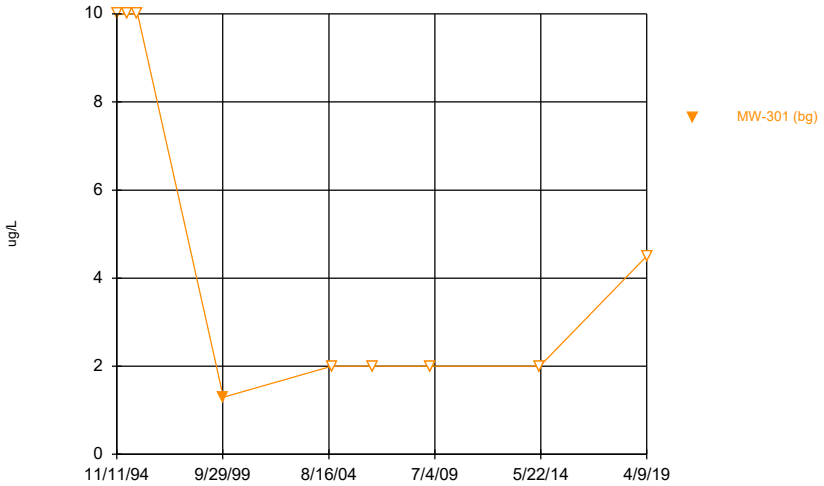
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screeni
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

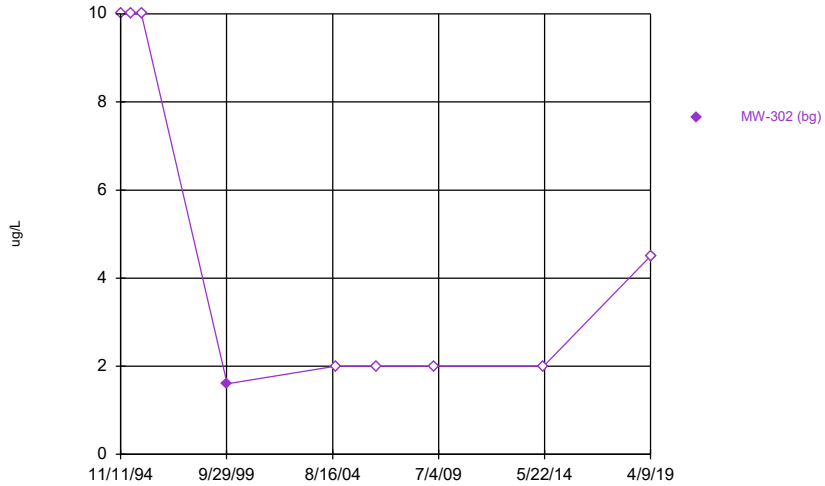
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

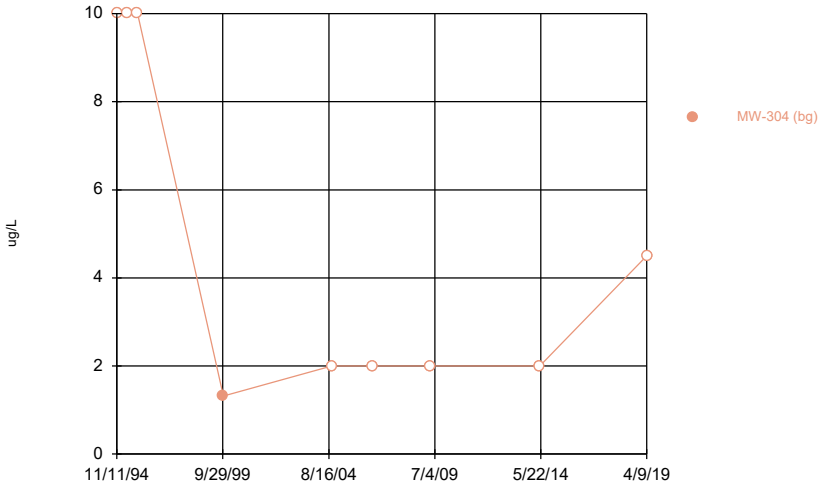
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

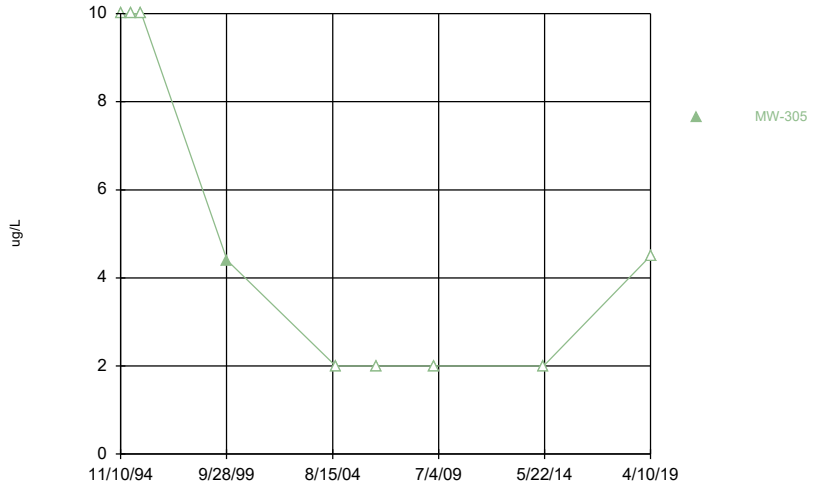
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

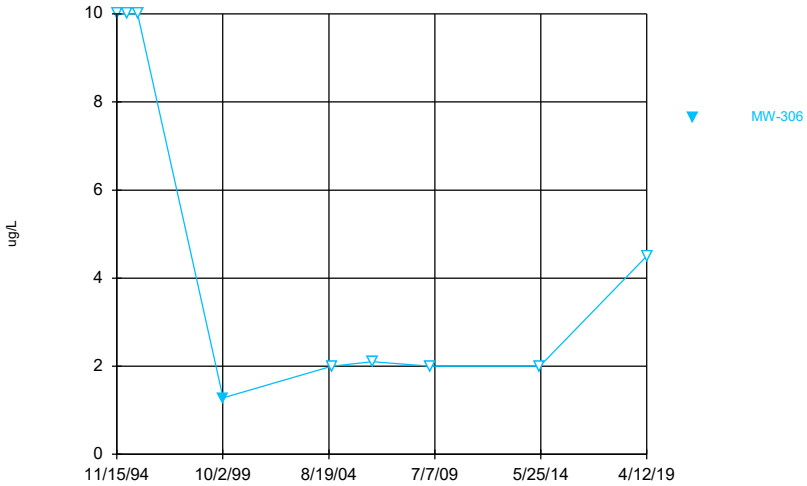
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

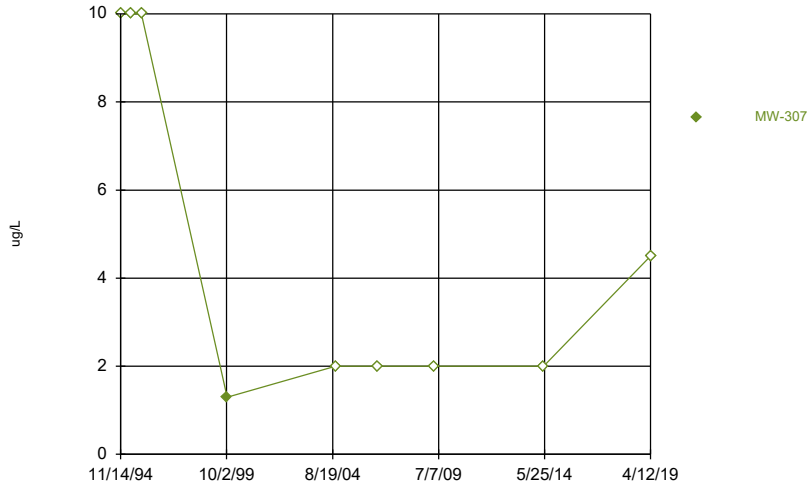
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

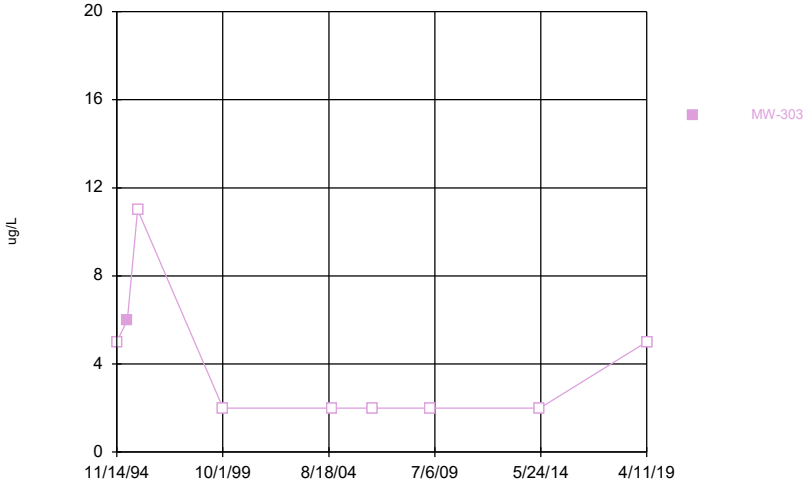
## Time Series




Constituent: Di-n-butylphthalate [DBP] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

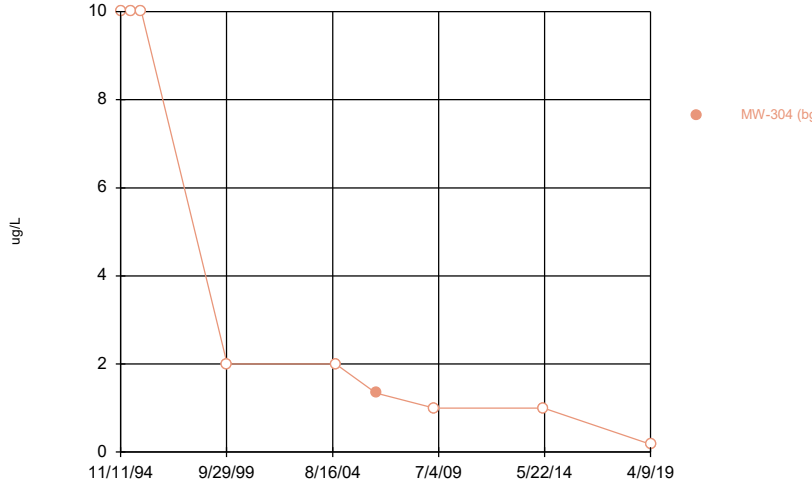
## Time Series




Constituent: Methylene chloride Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

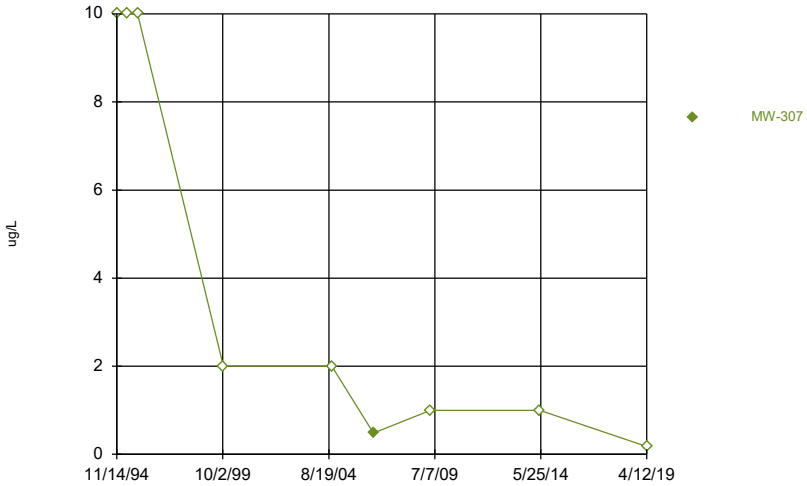
## Time Series




Constituent: Naphthalene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

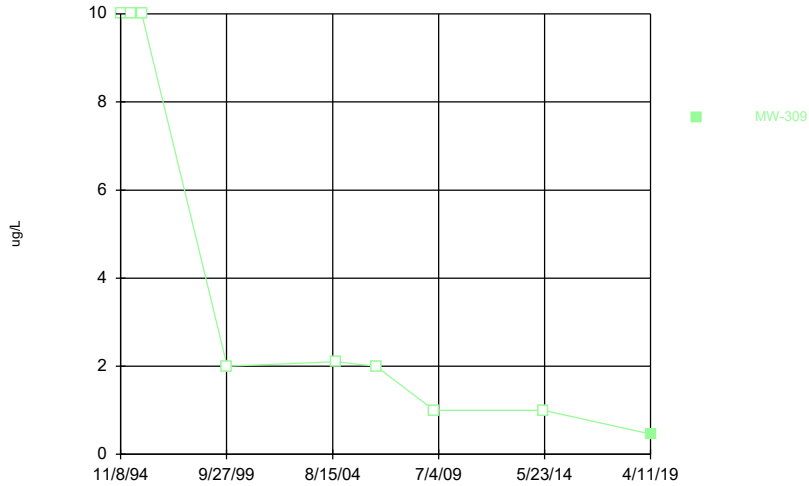
## Time Series




Constituent: Naphthalene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

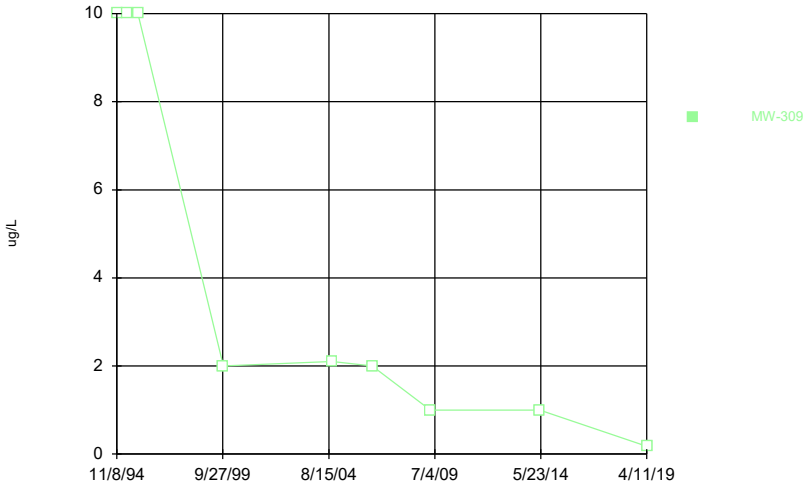
## Time Series




Constituent: Naphthalene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

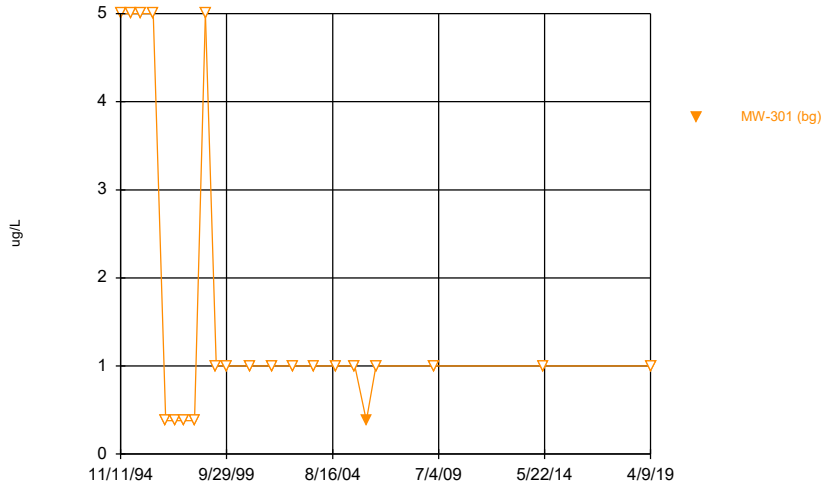
## Time Series




Constituent: Phenanthrene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

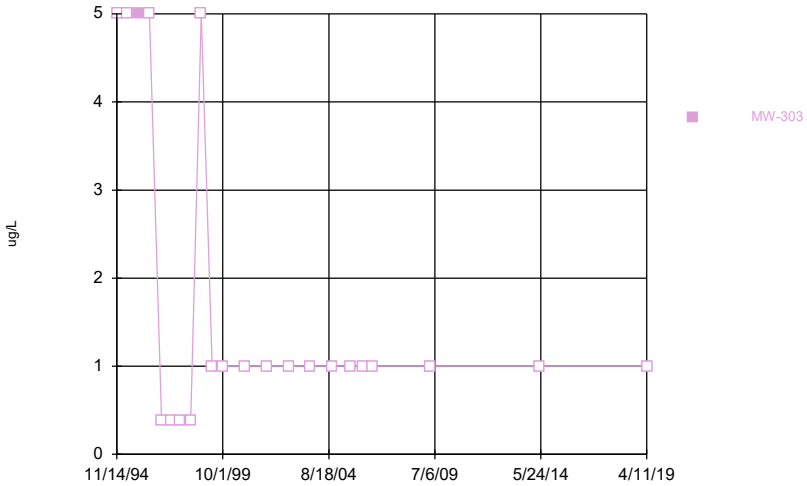
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

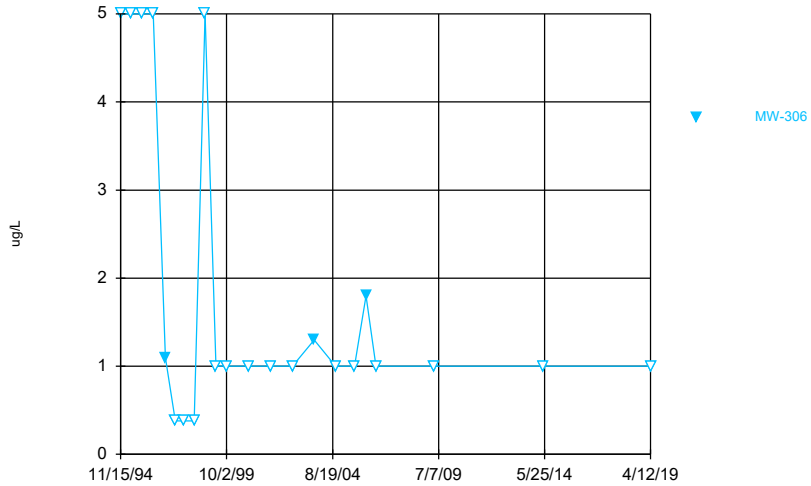
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

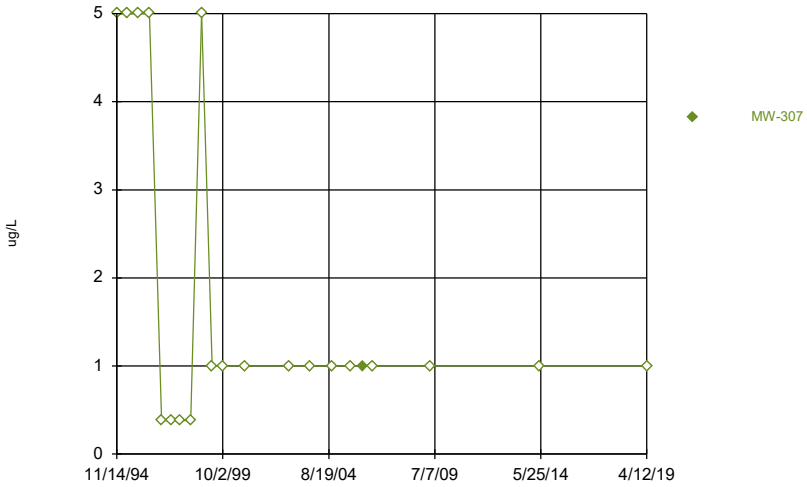
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

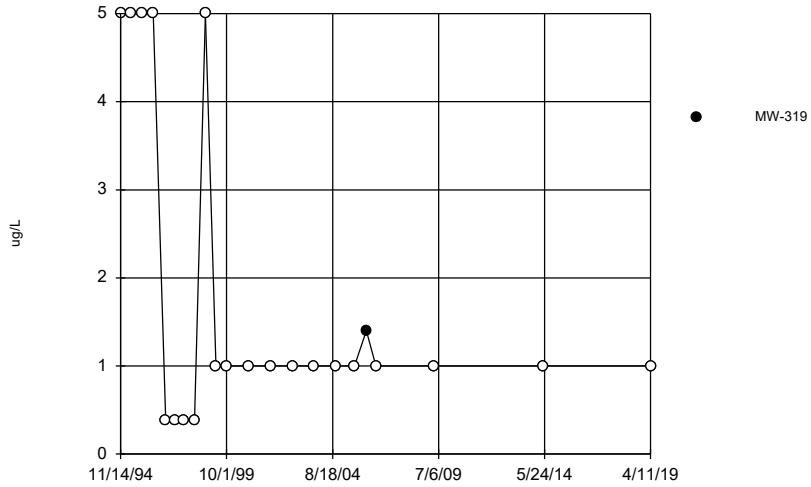
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

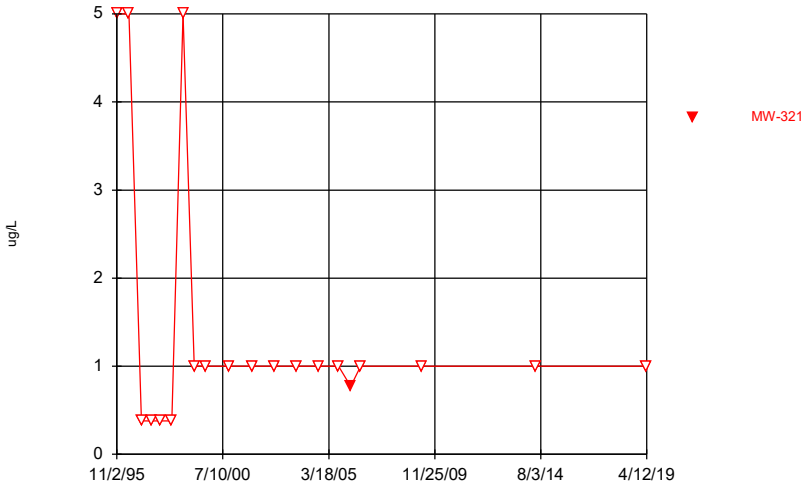
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

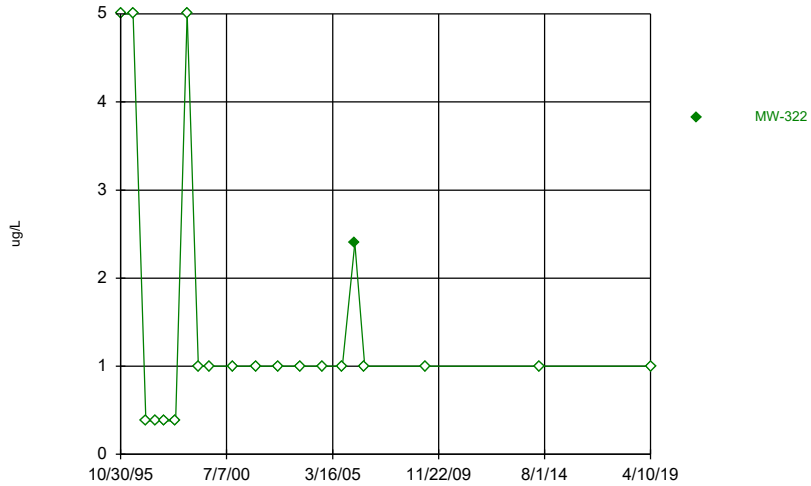
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

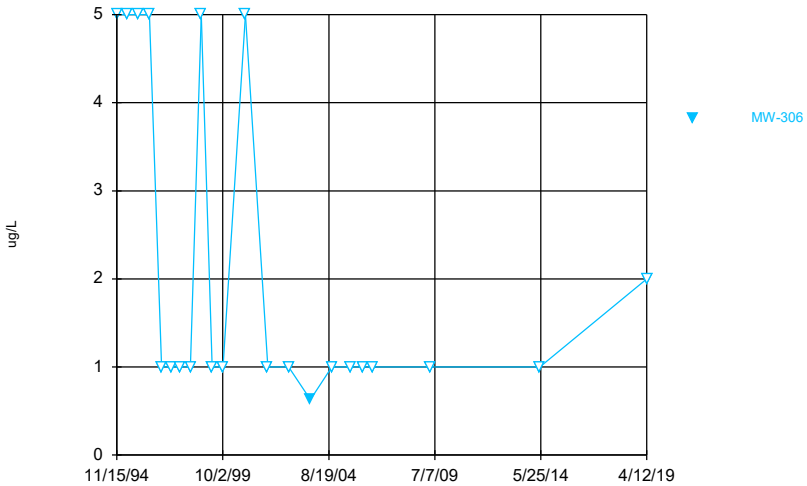
## Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

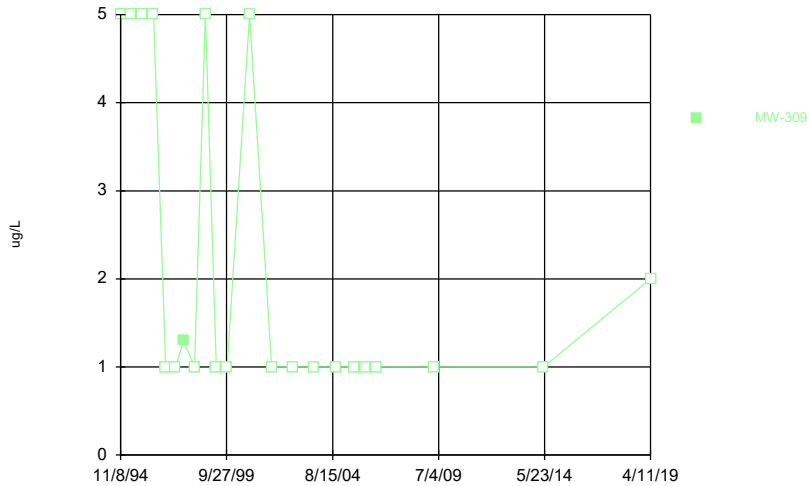
## Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

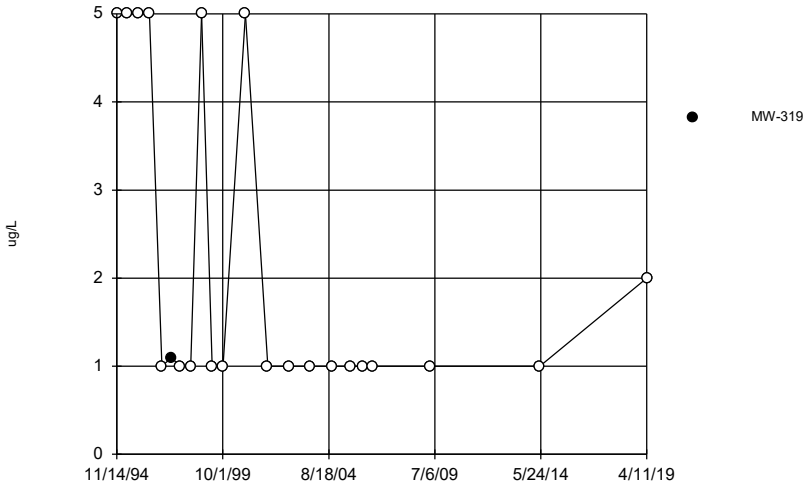
## Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:51 PM View: LIU VOC Screening
Summit National Site Client: Summit National Site Data: Summit.National.Database

# UPPER SHARON UNIT WELLS

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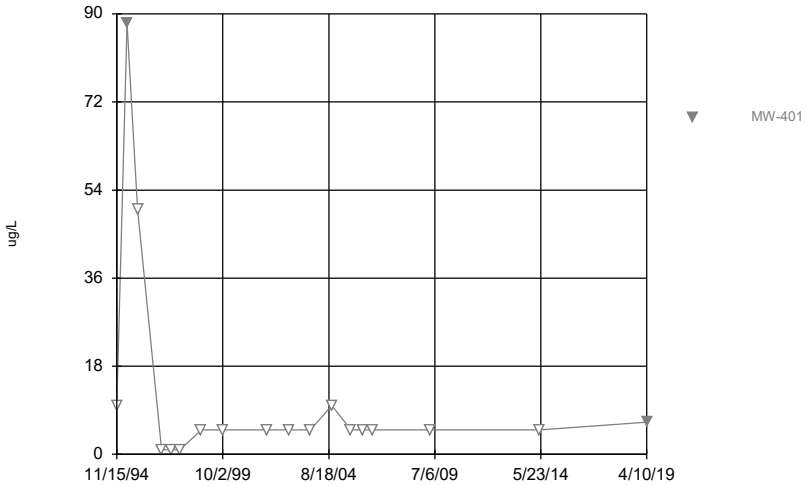
Hollow symbols indicate censored values.

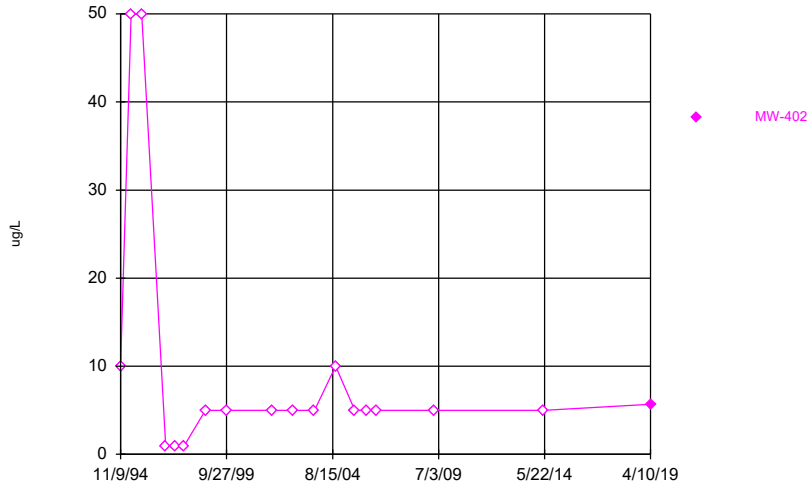
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

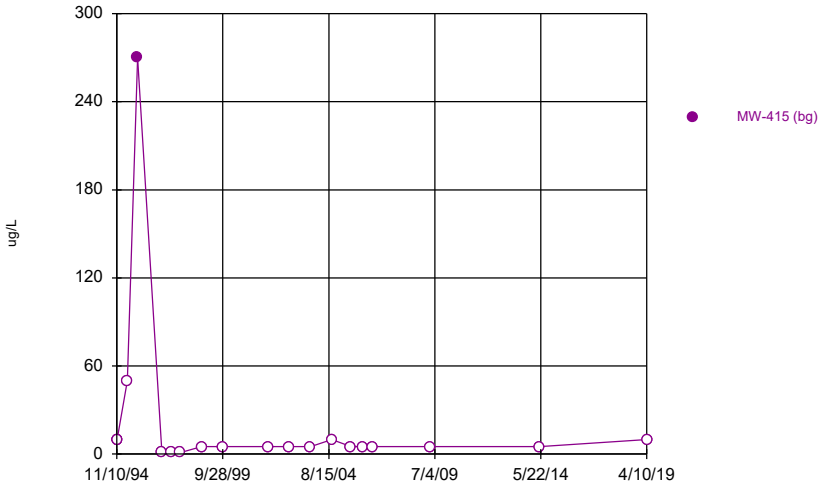
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

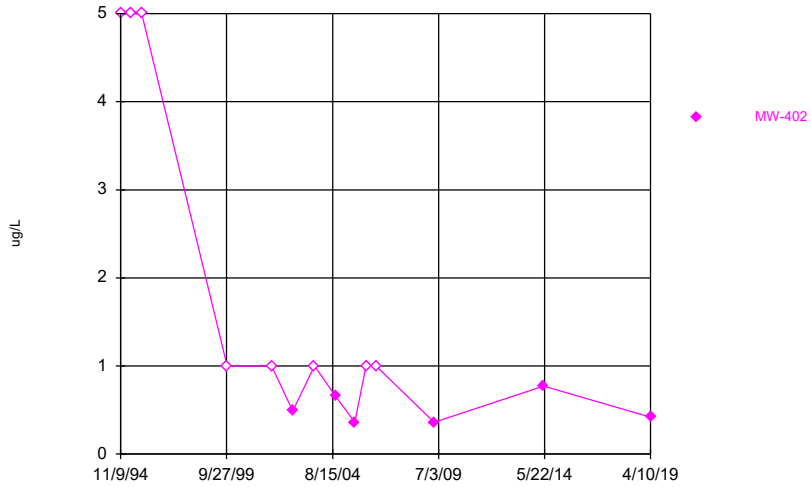
## Time Series




Constituent: Acetone Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

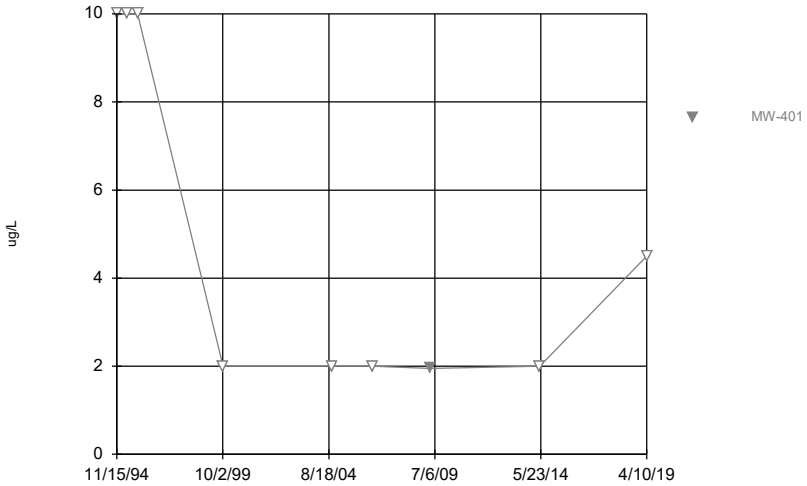
## Time Series




Constituent: Benzene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

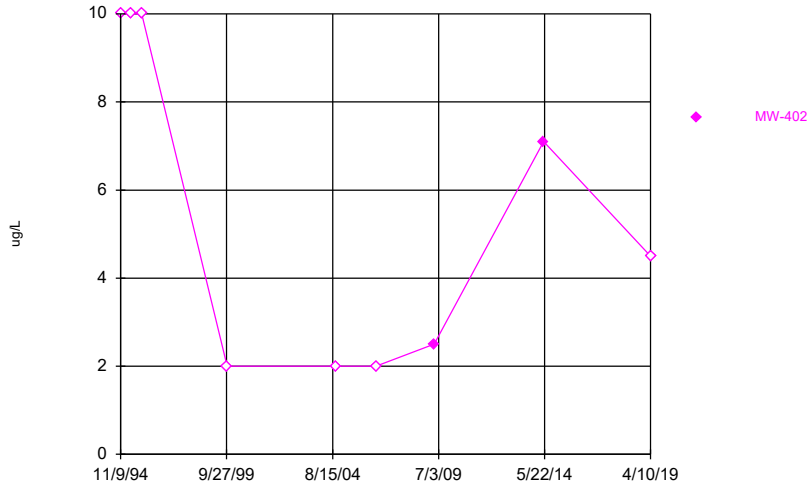
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

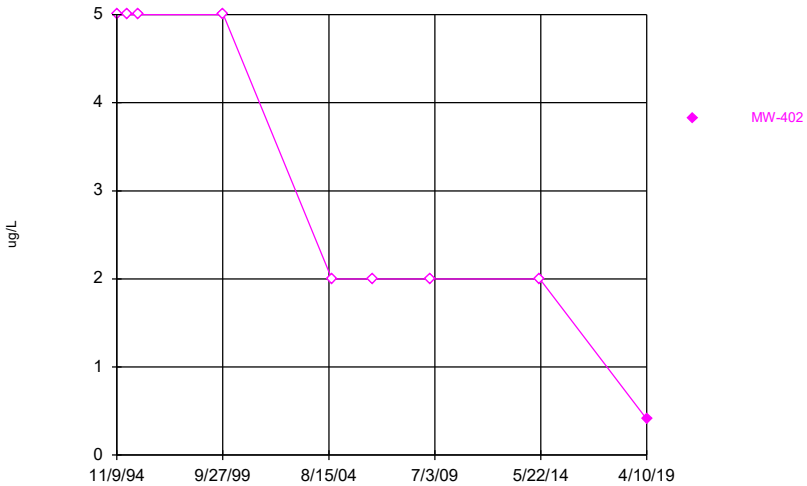
Time Series




Constituent: bis[2-Ethylhexyl]phthalate [DEHP] Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

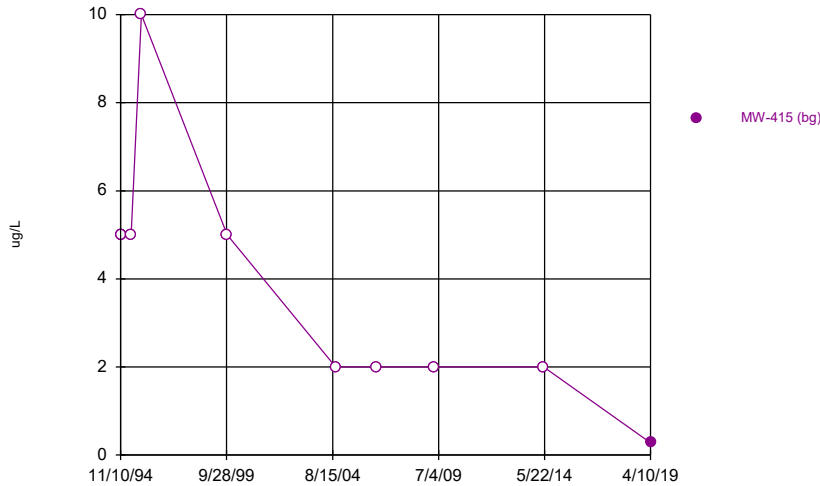
Time Series




Constituent: Carbon disulfide Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

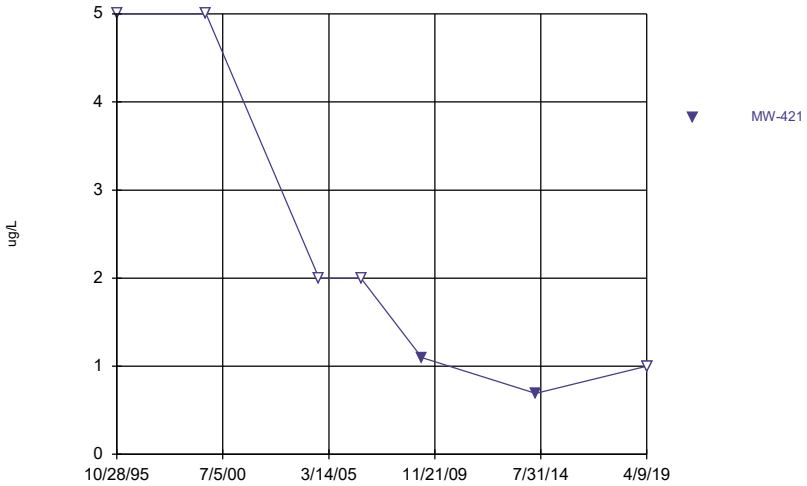
Time Series




Constituent: Carbon disulfide Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

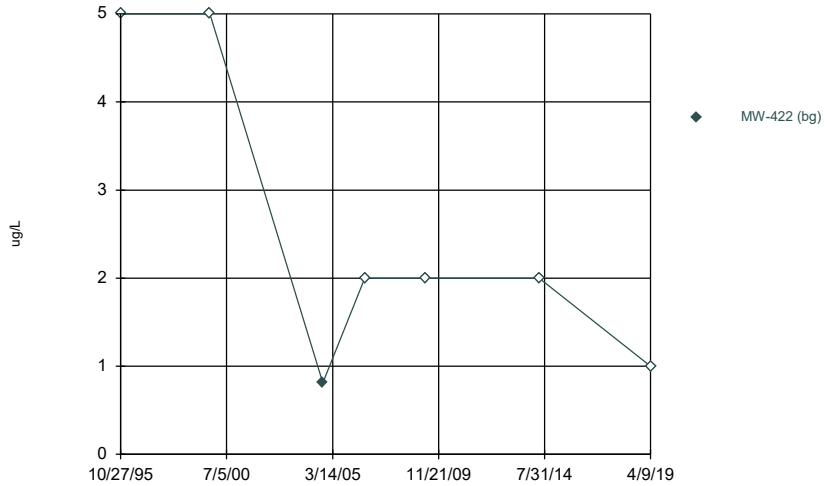
Time Series




Constituent: Carbon disulfide Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

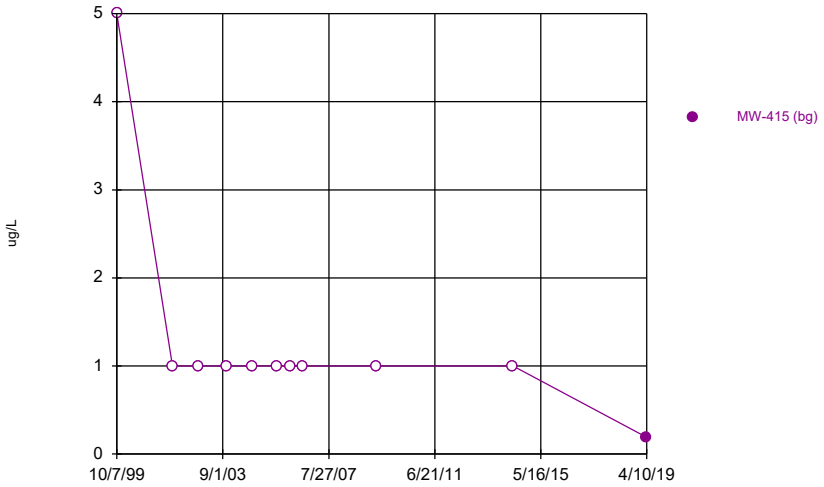
Time Series




Constituent: Carbon disulfide Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

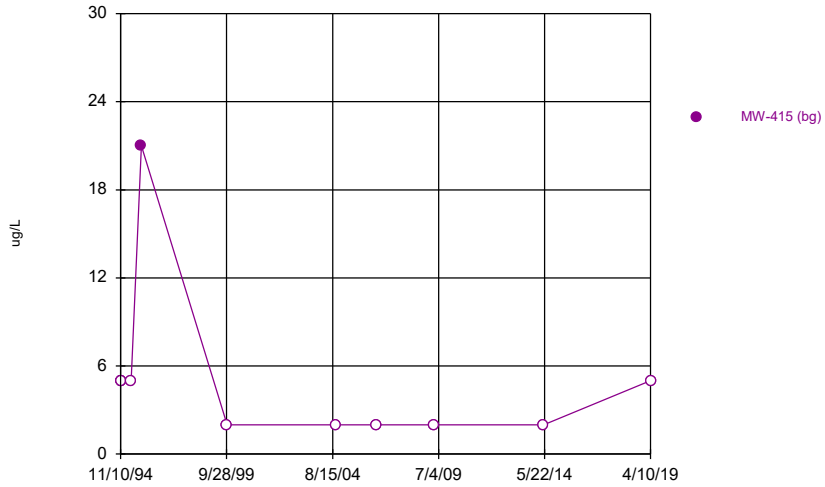
Time Series




Constituent: cis-1,2-Dichloroethene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

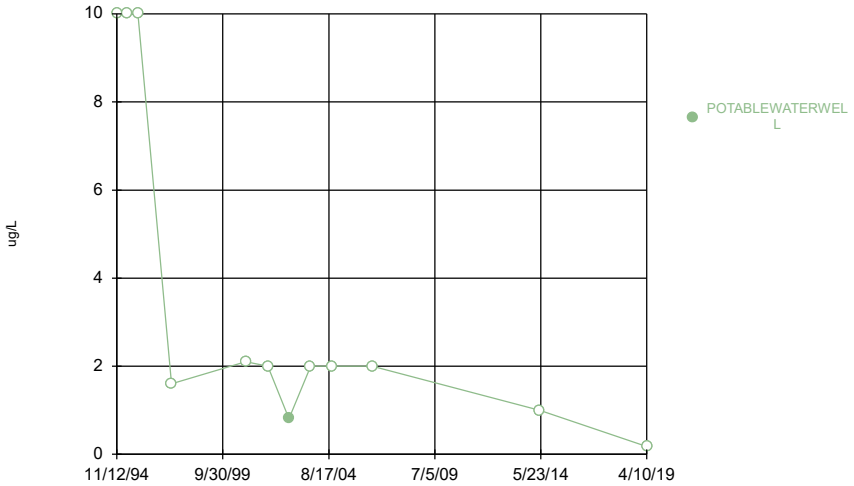
Time Series




Constituent: Methylene chloride Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

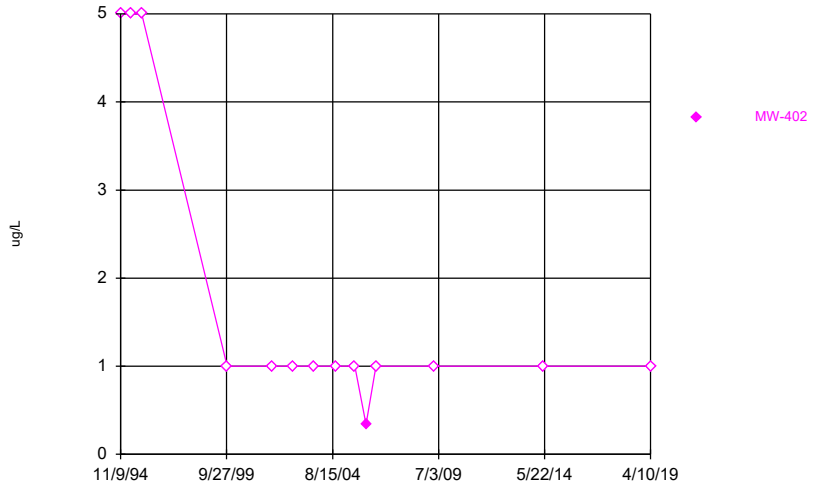
Time Series




Constituent: Naphthalene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

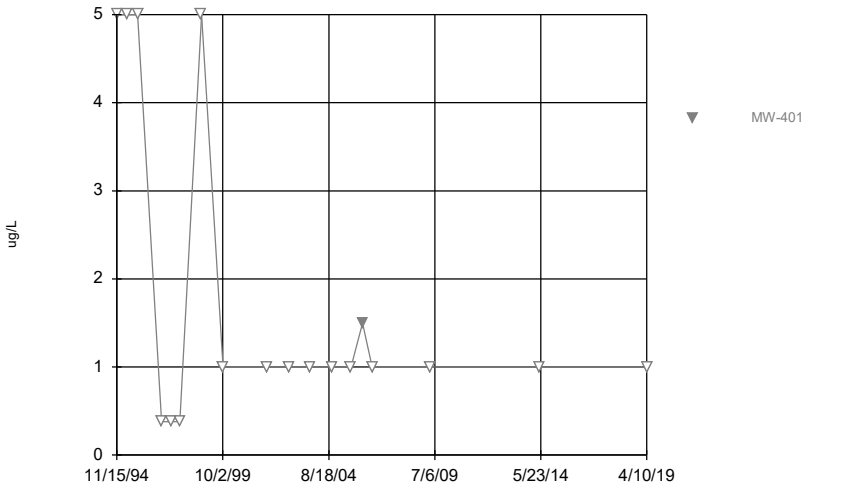
Time Series




Constituent: Tetrachloroethene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

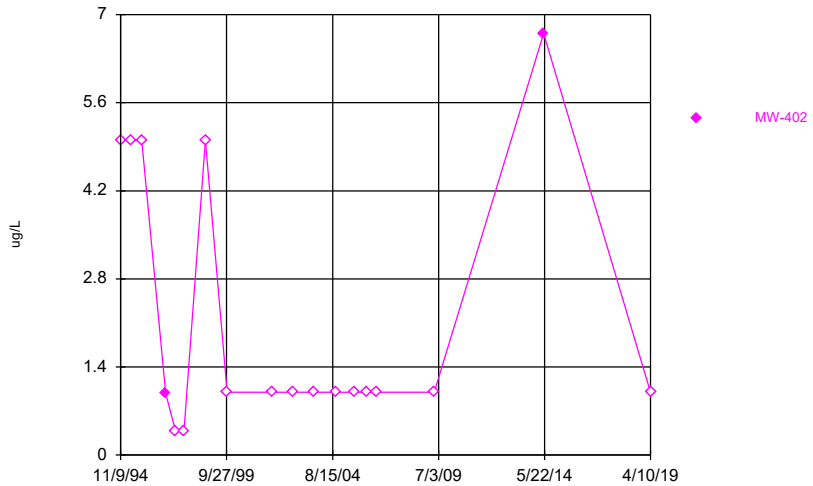
Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

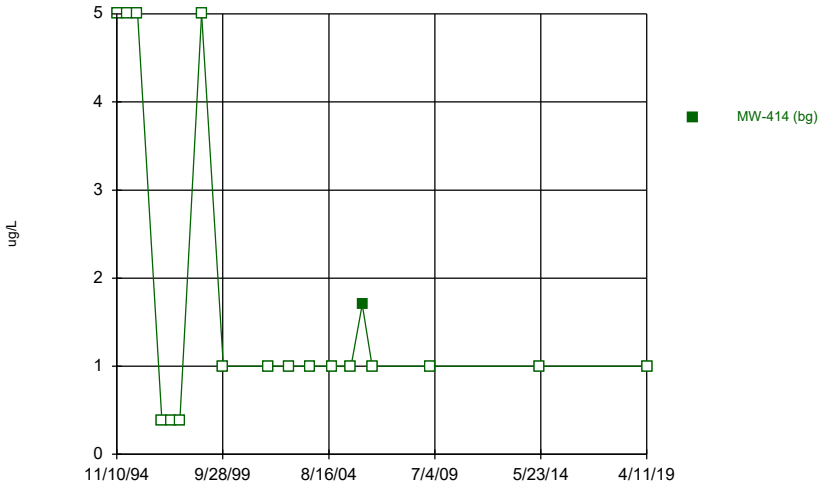
Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

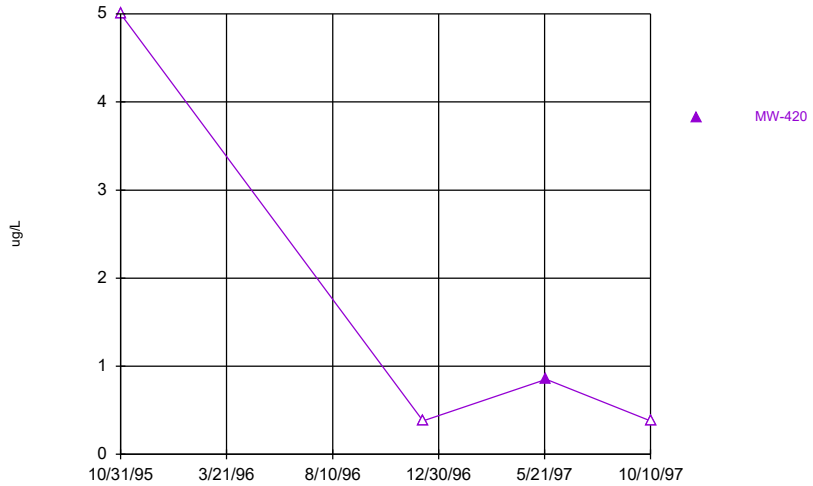
Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

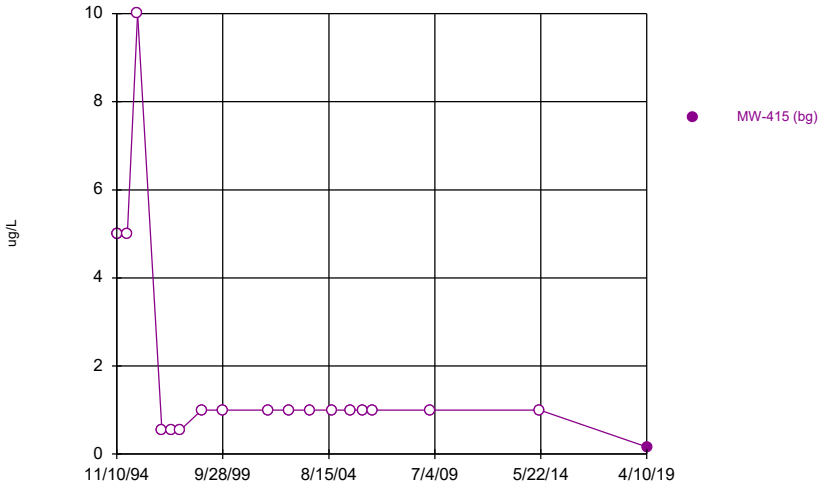
Time Series




Constituent: Toluene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

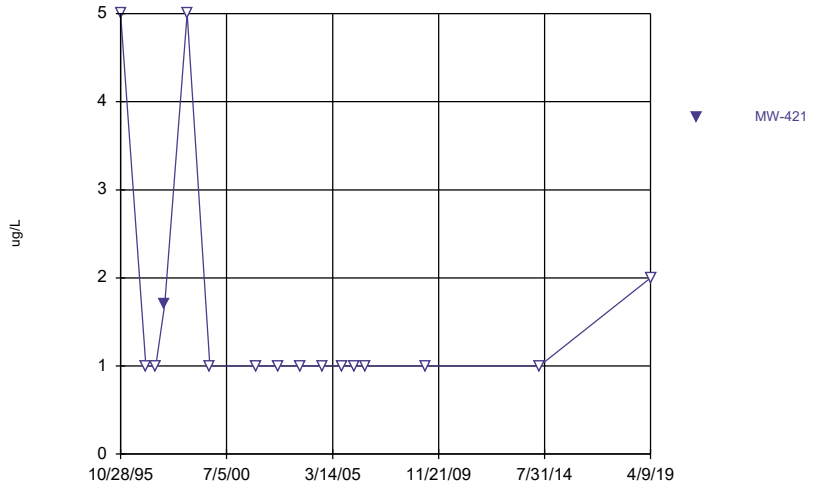
Time Series




Constituent: Trichloroethene Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

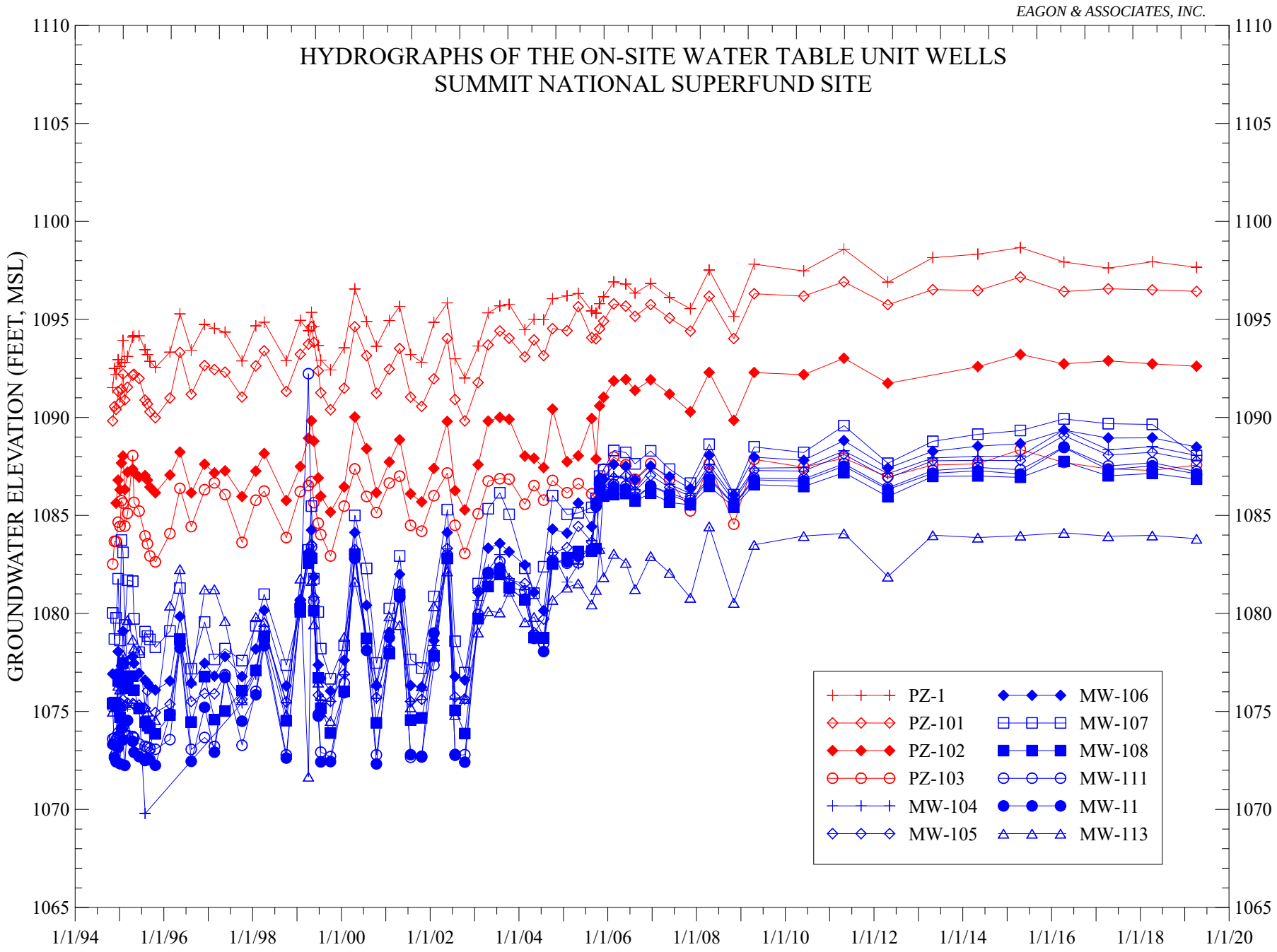
Time Series




Constituent: Xylenes [total] Analysis Run 11/5/2019 12:31 PM View: USU Time Series
Summit National Site Client: Summit National Site Data: Summit.National.Database

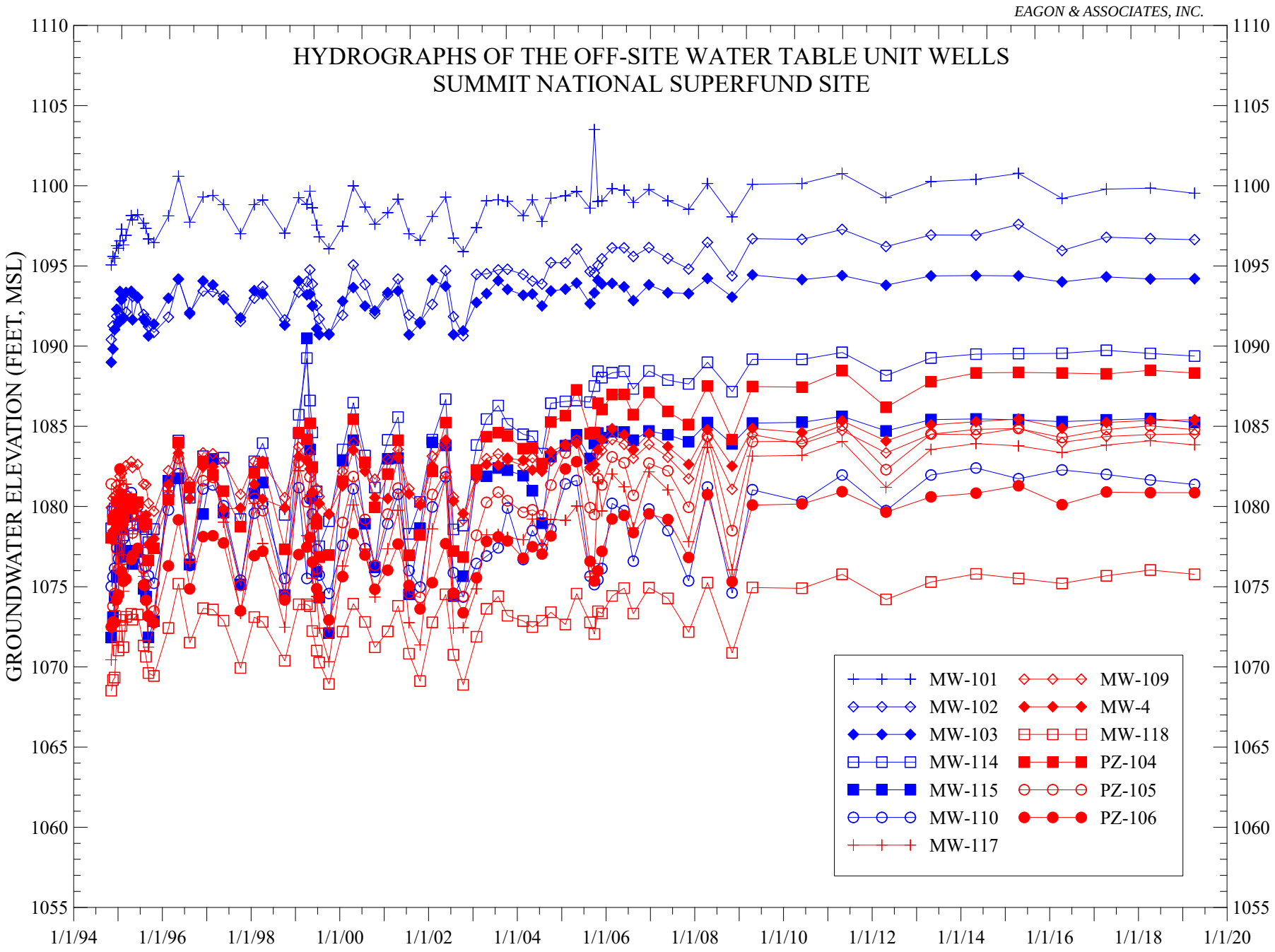
# APPENDIX E.

# HYDROGRAPHS OF WATER-LEVEL ELEVATION DATA



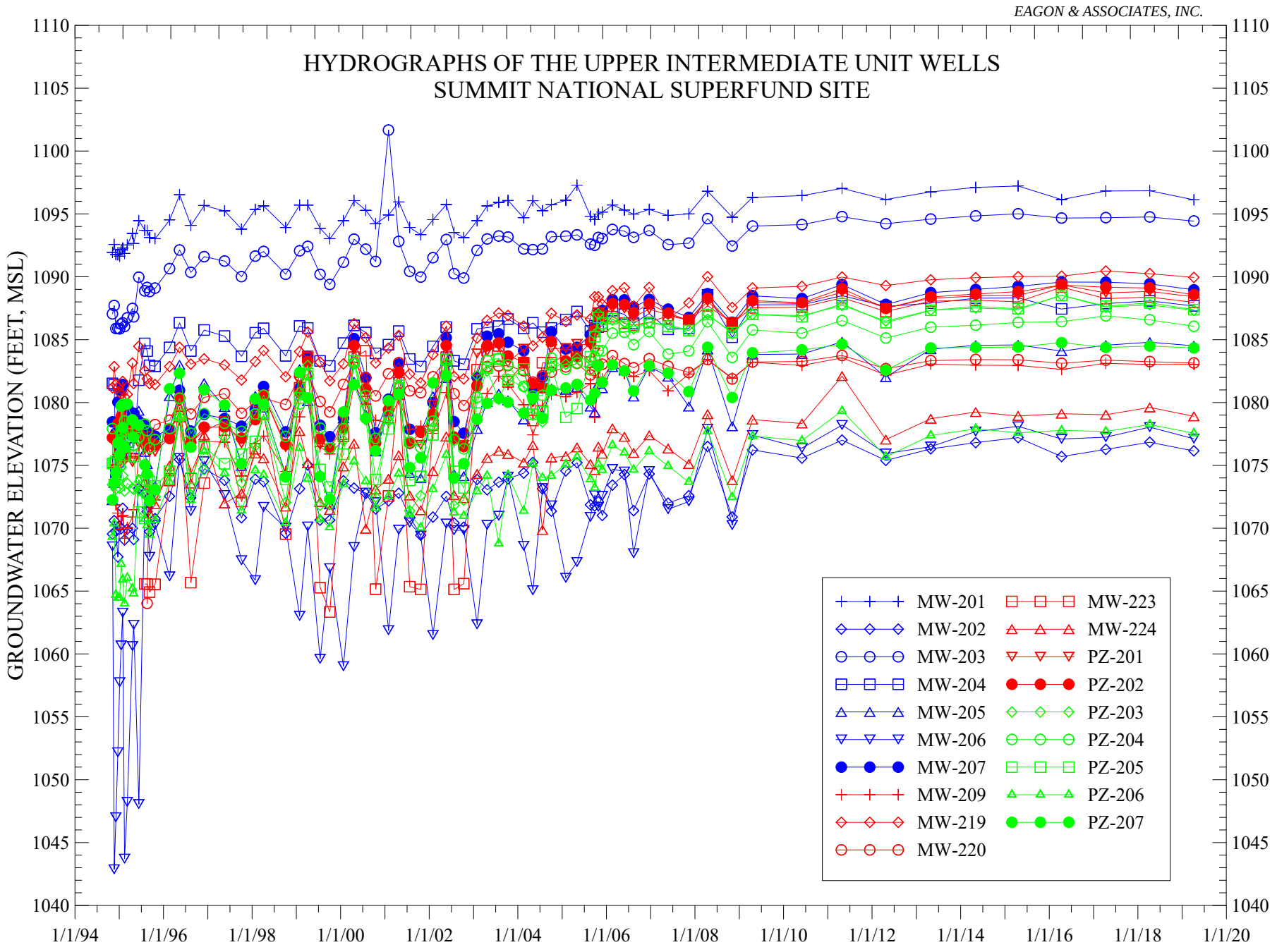

WTUhydsOnSite.GRF
11/5/19

FIGURE E-1.



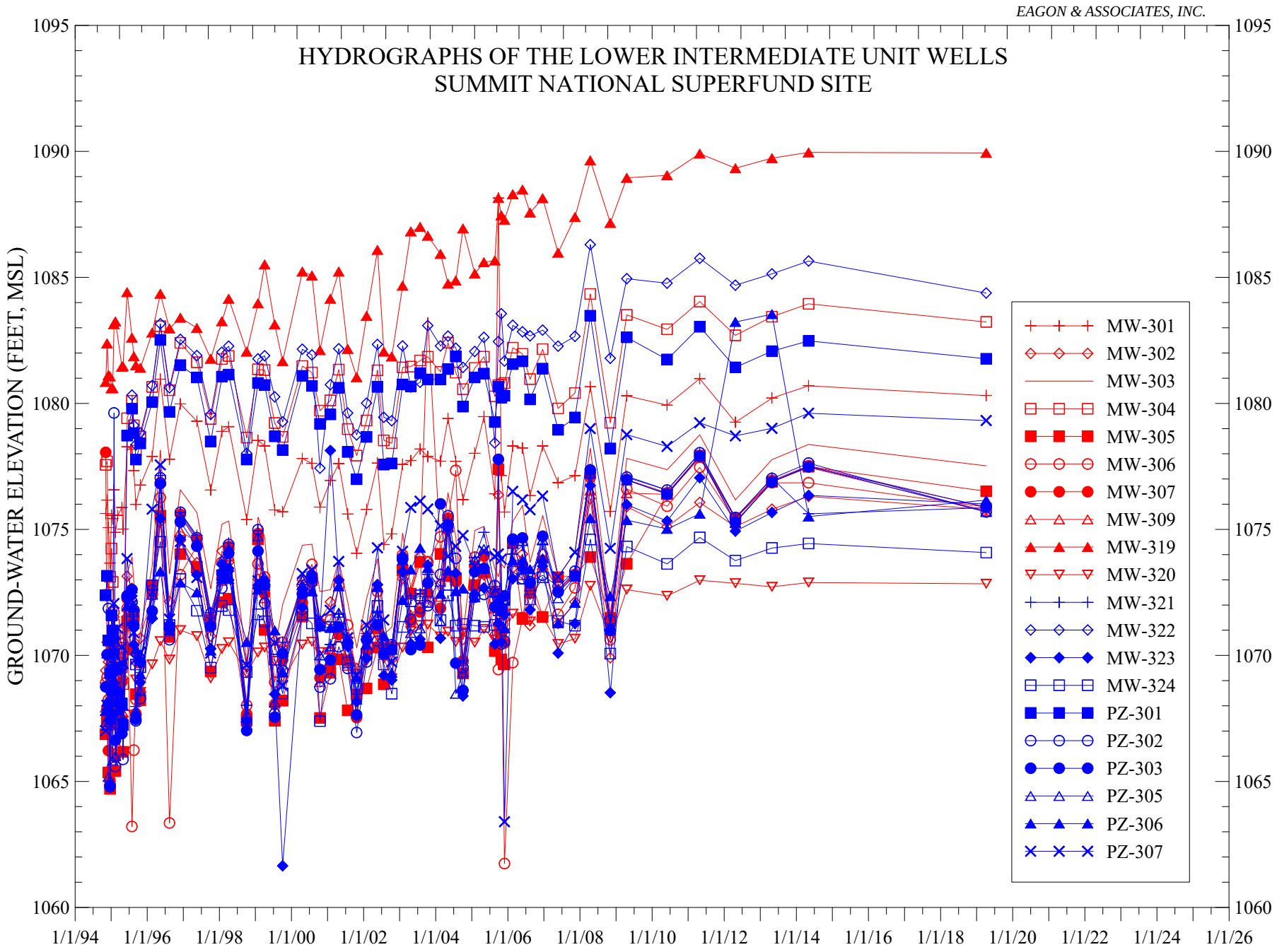

WTUhydsOffSite.GRF
11/5/19

FIGURE E-2.



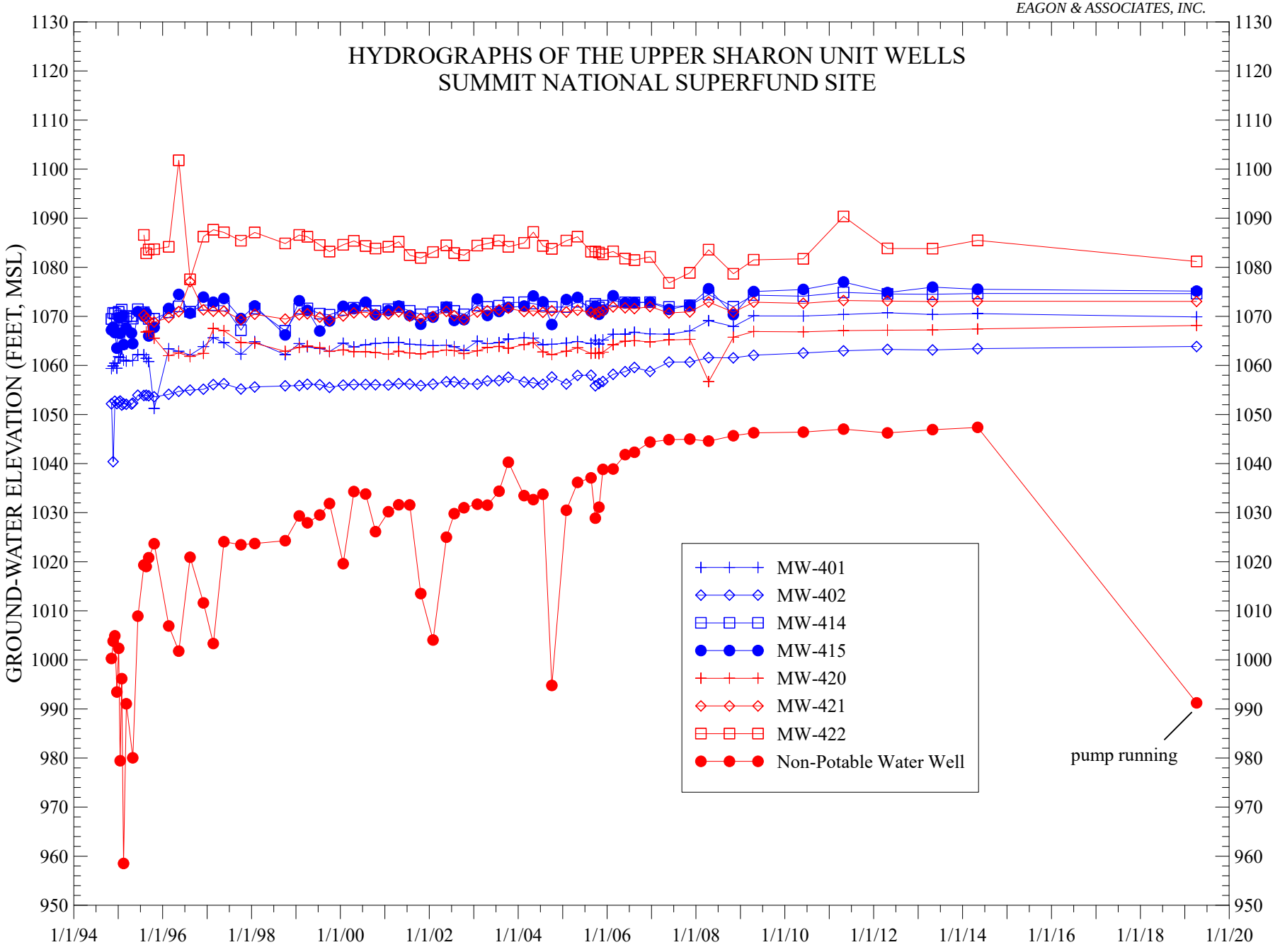

UIUhyds.GRF
11/5/19

FIGURE E-3.




LIUhyds.GRF
8/14/14

FIGURE E-4.




USUhyds.GRF
1/13/2020

FIGURE E-5.

# APPENDIX F.

# MEAN BACKGROUND CALCULATIONS AND RESULTS

**SUMMARY OF MEAN BACKGROUND CONCENTRATIONS - INORGANIC NONCARCINOGENS**
**SUMMIT NATIONAL SUPERFUND SITE**

| Parameters | Units | Water Table Unit[1] | | Upper Intermediate Unit[2] | | Lower Intermediate Unit[3] | | Upper Sharon Unit[4] | |
|---|---|---|---|---|---|---|---|---|---|
| | | Mean | % NDs | Mean | % NDs | Mean | % NDs | Mean | % NDs |
| **Total Metals** | | | | | | | | | |
| Aluminum | ug/L | 3.53E+03 | 11 | 2.30E+03 | 54 | 3.98E+03 | 26 | 6.36E+02 | 44 |
| Antimony | ug/L | 7.44E+00 | 100 | 7.72E+00 | 96 | 8.15E+00 | 96 | 7.64+00 | 100 |
| Barium | ug/L | 1.33E+02 | 56 | 1.49E+02 | 54 | 1.54E+02 | 56 | 1.61E+02 | 60 |
| Beryllium | ug/L | 3.69+00 | 96 | 3.71+00 | 100 | 3.67+00 | 100 | 3.56+00 | 100 |
| Cadmium | ug/L | 4.04+00 | 59 | 3.25+00 | 85 | 3.58+00 | 98 | 3.31+00 | 97 |
| Calcium | ug/L | 2.73E+05 | 0 | 2.37E+05 | 0 | 3.54E+04 | 19 | 5.43E+03 | 40 |
| Chromium | ug/L | 1.77E+01 | 63 | 1.97E+01 | 46 | 4.03E+01 | 33 | 1.33E+01 | 80 |
| Cobalt | ug/L | 4.67E+01 | 70 | 3.50E+01 | 71 | 3.60E+01 | 89 | 3.56E+01 | 96 |
| Copper | ug/L | 3.14E+01 | 48 | 1.23E+02 | 68 | 2.81E+01 | 37 | 1.74E+01 | 64 |
| Magnesium | ug/L | 1.15E+05 | 0 | 9.30E+04 | 0 | 1.85E+04 | 19 | 3.80E+03 | 56 |
| Manganese | ug/L | 3.91E+03 | 0 | 1.68E+03 | 0 | 2.32E+02 | 0 | 6.74E+01 | 8 |
| Mercury | ug/L | 2.13E-01 | 96 | 2.00E-01 | 100 | 2.00E-01 | 100 | 2.00E-01 | 100 |
| Nickel | ug/L | 6.62E+01 | 19 | 2.73E+01 | 63 | 3.17E+01 | 57 | 2.77E+01 | 80 |
| Potassium | ug/L | 7.33E+03 | 33 | 1.25E+04 | 4 | 7.89E+03 | 22 | 5.97E+03 | 48 |
| Selenium | ug/L | 8.86+00 | 96 | 8.55+00 | 100 | 1.00E+01 | 100 | 9.00+00 | 100 |
| Silver | ug/L | 1.00E+01 | 100 | 1.00E+01 | 96 | 1.00E+01 | 100 | 1.00E+01 | 100 |
| Sodium | ug/L | 4.10E+04 | 0 | 3.85E+05 | 0 | 5.32E+05 | 0 | 5.53E+05 | 0 |
| Thallium | ug/L | 8.78+00 | 100 | 9.29+00 | 100 | 8.80+00 | 100 | 8.68+00 | 100 |
| Vanadium | ug/L | 5.02E+01 | 96 | 5.00E+01 | 96 | 5.02E+01 | 93 | 5.00E+01 | 100 |
| Zinc | ug/L | 1.90E+02 | 11 | 5.12E+01 | 54 | 5.25E+01 | 48 | 8.25E+01 | 64 |

[1] *Based on data collected from sampling locations: MW-101, MW-102, MW-103*
[2] *Based on data collected from sampling locations: MW-201, MW-204, MW-205*
[3] *Based on data collected from sampling locations: MW-301, MW-302, MW-304*
[4] *Based on data collected from sampling locations: MW-414, MW-415, MW-422*
*= Dataset made up of greater than 50% nondetect data*

# Summary Report

Constituent: Aluminum (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 280 (J) |
| 11/10/1994 | | 190 | 300 | 930 (JD) |
| 11/11/1994 | 2500 (J) | 25000 (J) | 45000 | |
| 11/12/1994 | 250 | 1200 | 4900 (J) | |
| 11/13/1994 | 2900 | | | |
| 5/3/1995 | 1800 | | | |
| 5/4/1995 | 2800 | 260 | | |
| 5/5/1995 | 11000 | 220 | 460 | 9700 |
| 5/6/1995 | | | 300 | 190 (D) |
| 5/7/1995 | | 16000 | 3500 | |
| 5/8/1995 | | 16000 | | |
| 10/25/1995 | | 326 (J) | | 301 (J) |
| 10/26/1995 | 7170 (J) | 326 | 96.5 (D) | 94 |
| 10/27/1995 | 1470 | | <50 | 210 (J) |
| 10/28/1995 | 28800 (J) | | 3020 (J) | |
| 11/27/1995 | | 380 (J) | | |
| 10/4/1999 | 2100 | | | |
| 10/5/1999 | 4540 | <200 | 611 | |
| 10/6/1999 | 1500 | <200 | 11700 (D) | <200 |
| 10/7/1999 | | 362 | <200 (D) | <200 |
| 10/8/1999 | | | | <200 |
| 10/4/2004 | | 476 | | |
| 10/5/2004 | 874 | <200 | <200 | 540 |
| 10/6/2004 | 2085 (D) | <200 | 7130 | 238 |
| 10/7/2004 | 2100 | | 425 | <200 |
| 8/14/2006 | | <200 | | 487 |
| 8/15/2006 | 3370 | 618 | <200 (D) | <200 |
| 8/16/2006 | 1720 | <200 | 5700 | <200 |
| 8/17/2006 | 11500 | | 379 | |
| 4/20/2009 | <200 | | | <200 |
| 4/21/2009 | 1700 | <200 (D) | <200 | <200 |
| 4/22/2009 | 1720 | <200 | 7490 | 268 |
| 4/23/2009 | | <200 | <200 | |
| 5/6/2014 | 1600 | | 740 | <200 |
| 5/7/2014 | <200 | <200 (D) | | 250 |
| 5/8/2014 | 320 | <200 | 7100 | <200 |
| 5/9/2014 | | <200 | <200 | |
| 4/9/2019 | 610 | <200 | 360 | 74 (J) |
| 4/10/2019 | <200 | <200 | 7000 | <200 |
| 4/11/2019 | 85 (J) | <200 | 74 (J) | 130 (J) |

# Summary Report

Constituent: Antimony (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <7 |
| 11/10/1994 | | <7 | <10 | <9 (D) |
| 11/11/1994 | <7 | <8 | <7 | |
| 11/12/1994 | <7 | <10 | <9 | |
| 11/13/1994 | <7 | | | |
| 5/3/1995 | <7 | | | |
| 5/4/1995 | <7 | <10 | | |
| 5/5/1995 | <7 | <7 | <10 | <7 |
| 5/6/1995 | | | <10 | <9 (D) |
| 5/7/1995 | | <7 | <7 | |
| 5/8/1995 | | <7 | | |
| 10/25/1995 | | <5 | | <5 |
| 10/26/1995 | <5 | <5 | <5 (D) | <5 |
| 10/27/1995 | <5 | | <5 | <5 |
| 10/28/1995 | <5 | | <5 | |
| 11/27/1995 | | <5 | | |
| 10/4/1999 | <5 | | | |
| 10/5/1999 | <5 | <5 | <5 | |
| 10/6/1999 | <5 | <5 | <5 (D) | <5 |
| 10/7/1999 | | <5 | <5 (D) | <5 |
| 10/8/1999 | | | | <5 |
| 10/4/2004 | | <5 | | |
| 10/5/2004 | <5 | <5 | <5 | <5 |
| 10/6/2004 | <5 (D) | <5 | <5 | <5 |
| 10/7/2004 | <5 | | 13 | <5 |
| 8/14/2006 | | <6 | | <6 |
| 8/15/2006 | <6 | 7.2 | <6 (D) | <6 |
| 8/16/2006 | <6 | <6 | <6 | <6 |
| 8/17/2006 | <6 | | <6 | |
| 4/20/2009 | <6 | | | <6 |
| 4/21/2009 | <6 | <6 (D) | <6 | <6 |
| 4/22/2009 | <6 | <6 | <6 | <6 |
| 4/23/2009 | | <6 | <6 | |
| 5/6/2014 | <6 | | <6 | <6 |
| 5/7/2014 | <6 | <6 (D) | | <6 |
| 5/8/2014 | <6 | <6 | <6 | <6 |
| 5/9/2014 | | <6 | <6 | |
| 4/9/2019 | <20 | <20 | <20 | <20 |
| 4/10/2019 | <20 | <20 | <20 | <20 |
| 4/11/2019 | <20 | <20 | <20 | <20 |

# Summary Report

Constituent: Barium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 17 |
| 11/10/1994 | | 12 | 11 | 57 (D) |
| 11/11/1994 | 46 | 420 | 570 | |
| 11/12/1994 | 8 | 42 | 170 | |
| 11/13/1994 | 15 | | | |
| 5/3/1995 | 38 | | | |
| 5/4/1995 | 49 | 29 | | |
| 5/5/1995 | 70 | 15 | 46 | 840 |
| 5/6/1995 | | | 8 | 29 (D) |
| 5/7/1995 | | 290 | 160 | |
| 5/8/1995 | | 290 | | |
| 10/25/1995 | | 20 | | 13 |
| 10/26/1995 | 104 | 9 | 7.5 (D) | 10 |
| 10/27/1995 | 32 | | 8 | 30 |
| 10/28/1995 | 195 | | 96 | |
| 11/27/1995 | | 31 | | |
| 10/4/1999 | <200 | | | |
| 10/5/1999 | <200 | <200 | <200 | |
| 10/6/1999 | <200 | <200 | <200 (D) | <200 |
| 10/7/1999 | | <200 | <200 (D) | <200 |
| 10/8/1999 | | | | <200 |
| 10/4/2004 | | <200 | | |
| 10/5/2004 | <200 | <200 | <200 | <200 |
| 10/6/2004 | <200 (D) | <200 | <200 | <200 |
| 10/7/2004 | <200 | | <200 | <200 |
| 8/14/2006 | | <200 | | <200 |
| 8/15/2006 | <200 | <200 | <200 (D) | <200 |
| 8/16/2006 | <200 | <200 | <200 | <200 |
| 8/17/2006 | <200 | | <200 | |
| 4/20/2009 | <200 | | | <200 |
| 4/21/2009 | <200 | <200 (D) | <200 | <200 |
| 4/22/2009 | <200 | <200 | <200 | <200 |
| 4/23/2009 | | <200 | <200 | |
| 5/6/2014 | <200 | | <200 | <200 |
| 5/7/2014 | <200 | <200 (D) | | <200 |
| 5/8/2014 | <200 | <200 | <200 | <200 |
| 5/9/2014 | | <200 | <200 | |
| 4/9/2019 | 8.3 (J) | 8.7 (J) | 14 (J) | 14 (J) |
| 4/10/2019 | 6.9 (J) | 14 (J) | 53 (J) | 10 (J) |
| 4/11/2019 | 9.6 (J) | 3 (J) | 16 (J) | 13 (J) |

# Summary Report

Constituent: Beryllium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <5 |
| 11/10/1994 | | <5 | <5 | <5 (D) |
| 11/11/1994 | <5 | <5 | <5 | |
| 11/12/1994 | <5 | <5 | <5 | |
| 11/13/1994 | <5 | | | |
| 5/3/1995 | <5 | | | |
| 5/4/1995 | <5 | <5 | | |
| 5/5/1995 | <5 | <5 | <5 | <5 |
| 5/6/1995 | | | <5 | <5 (D) |
| 5/7/1995 | | <5 | <5 | |
| 5/8/1995 | | <5 | | |
| 10/25/1995 | | <5 | | <5 |
| 10/26/1995 | <5 | <5 | <5 (D) | <5 |
| 10/27/1995 | <5 | | <5 | <5 |
| 10/28/1995 | <5 | | <5 | |
| 11/27/1995 | | <5 | | |
| 10/4/1999 | <5 | | | |
| 10/5/1999 | <5 | <5 | <5 | |
| 10/6/1999 | <5 | <5 | <5 (D) | <5 |
| 10/7/1999 | | <5 | <5 (D) | <5 |
| 10/8/1999 | | | | <5 |
| 10/4/2004 | | <5 | | |
| 10/5/2004 | <5 | <5 | <5 | <5 |
| 10/6/2004 | <5 (D) | <5 | <5 | <5 |
| 10/7/2004 | <5 | | <5 | <5 |
| 8/14/2006 | | <1 | | <1 |
| 8/15/2006 | <1 | <1 | <1 (D) | <1 |
| 8/16/2006 | <1 | <1 | <1 | <1 |
| 8/17/2006 | 1.6 | | <1 | |
| 4/20/2009 | <1 | | | <1 |
| 4/21/2009 | <1 | <1 (D) | <1 | <1 |
| 4/22/2009 | <1 | <1 | <1 | <1 |
| 4/23/2009 | | <1 | <1 | |
| 5/6/2014 | <1 | | <1 | <1 |
| 5/7/2014 | <1 | <1 (D) | | <1 |
| 5/8/2014 | <1 | <1 | <1 | <1 |
| 5/9/2014 | | <1 | <1 | |
| 4/9/2019 | <5 | <5 | <5 | <5 |
| 4/10/2019 | <5 | <5 | <5 | <5 |
| 4/11/2019 | <5 | <5 | <5 | <5 |

# Summary Report

Constituent: Cadmium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <5 |
| 11/10/1994 | | 5 | <5 | 5.5 (D) |
| 11/11/1994 | <5 | <5 | 7 | |
| 11/12/1994 | 7 | <5 | <5 | |
| 11/13/1994 | 7 | | | |
| 5/3/1995 | 7 | | | |
| 5/4/1995 | <5 | <5 | | |
| 5/5/1995 | 10 | 7 | <5 | <5 |
| 5/6/1995 | | | <5 | <5 (D) |
| 5/7/1995 | | <5 | <5 | |
| 5/8/1995 | | <5 | | |
| 10/25/1995 | | <5 | | <5 |
| 10/26/1995 | <5 | <5 | <25 (D) | <5 |
| 10/27/1995 | <5 | | <5 | <5 |
| 10/28/1995 | 6 | | <5 | |
| 11/27/1995 | | <5 | | |
| 5/13/1996 | | <5 | <5 | |
| 5/14/1996 | <5 | <5 | <5 | |
| 5/15/1996 | <5 (D) | <5 | <5 | |
| 12/4/1996 | <4 | <4 | | |
| 12/5/1996 | <4 (D) | <4 (D) | | |
| 12/6/1996 | | | <4 | <4 |
| 12/8/1996 | | | <4 | <4 |
| 12/9/1996 | | | <4 (D) | <4 |
| 5/18/1997 | | <4 | | <4 |
| 5/19/1997 | <4 | <4 | <4 | <4 (D) |
| 5/20/1997 | <4 (D) | <4 | <4 | <4 |
| 5/21/1997 | | | <4 | |
| 10/6/1997 | | <4 | | |
| 10/7/1997 | <4 (D) | <4 | <4 | <4 |
| 10/8/1997 | | <4 | <4 (D) | <4 |
| 10/9/1997 | <4 | | <4 | <4 |
| 4/6/1998 | 1.3 | <1 | <1 | |
| 4/7/1998 | 1 (D) | <1 | <1 (D) | |
| 4/8/1998 | | <1 | <1 | |
| 10/5/1998 | 1.2 | <1 (D) | <1 | <1 |
| 10/6/1998 | <1 (D) | <1 (D) | <1 | <1 |
| 10/7/1998 | | <1 | <1 | <4 |
| 4/5/1999 | | <1 | | |
| 4/6/1999 | 9.567 (D) | 10.6 | <1 | |
| 4/7/1999 | 16.3 | <1 | <1 | |
| 4/8/1999 | | | <1 | |
| 10/4/1999 | <4 | | | |
| 10/5/1999 | <4 | <4 | <4 | |
| 10/6/1999 | <4 | <4 | <4 (D) | <4 |
| 10/7/1999 | | <4 | <4 (D) | <4 |
| 10/8/1999 | | | | <4 |
| 10/4/2004 | | <1 | | |
| 10/5/2004 | 1.5 | 1.4 | <1 | <1 |
| 10/6/2004 | 1.9 (D) | <1 | <1 | <1 |
| 10/7/2004 | <1 | | <1 | <1 |
| 8/14/2006 | | <1 | | <1 |

# Summary Report

Constituent: Cadmium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 8/15/2006 | 1.1 | 2.9 | <1 (D) | <1 |
| 8/16/2006 | 1.4 | <1 | <1 | <1 |
| 8/17/2006 | 6.9 | | <1 | |
| 4/20/2009 | <1 | | | <1 |
| 4/21/2009 | <1 | <1 (D) | <1 | <1 |
| 4/22/2009 | <1 | <1 | <1 | <1 |
| 4/23/2009 | | <1 | <1 | |
| 5/6/2014 | <3 | | <3 | <3 |
| 5/7/2014 | <3 | <3 (D) | | <3 |
| 5/8/2014 | <3 | <3 | <3 | <3 |
| 5/9/2014 | | <3 | <3 | |
| 4/9/2019 | 0.83 (J) | 0.66 (J) | <5 | <5 |
| 4/10/2019 | 0.6 (J) | 0.43 (J) | <5 | <5 |
| 4/11/2019 | <5 | <5 | <5 | <5 |

# Summary Report

Constituent: Calcium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 2700 |
| 11/10/1994 | | 460000 | 54000 (J) | 5100 (D) |
| 11/11/1994 | 310000 | 240000 | 15000 (J) | |
| 11/12/1994 | 310000 (J) | 77000 (J) | 74000 | |
| 11/13/1994 | 240000 (J) | | | |
| 5/3/1995 | 330000 | | | |
| 5/4/1995 | 310000 | 110000 | | |
| 5/5/1995 | 230000 | 390000 | 110000 | 6300 |
| 5/6/1995 | | | 35000 | 4200 (D) |
| 5/7/1995 | | 230000 | 4500 | |
| 5/8/1995 | | 230000 | | |
| 10/25/1995 | | 443000 | | 3780 |
| 10/26/1995 | 324000 | 301000 | 87500 (D) | 4380 |
| 10/27/1995 | 328000 | | 114000 | 10600 |
| 10/28/1995 | 220000 | | 4400 | |
| 11/27/1995 | | 89800 | | |
| 10/4/1999 | 253000 | | | |
| 10/5/1999 | 305000 | 127000 | 45100 | |
| 10/6/1999 | 337000 | 368000 | <5000 (D) | 8120 |
| 10/7/1999 | | 306000 | 70800 (D) | <5000 |
| 10/8/1999 | | | | <5000 |
| 10/4/2004 | | 293000 | | |
| 10/5/2004 | 338000 | 353000 | 57300 | <5000 |
| 10/6/2004 | 197000 (D) | 115000 | <5000 | <5000 |
| 10/7/2004 | 316000 | | 26700 | 6910 |
| 8/14/2006 | | 266000 | | <5000 |
| 8/15/2006 | 278000 | 372000 | 57900 (D) | <5000 |
| 8/16/2006 | 317000 | 117000 | <5000 | 8120 |
| 8/17/2006 | 175000 | | 25300 | |
| 4/20/2009 | 290000 | | | <5000 |
| 4/21/2009 | 264000 | 94650 (D) | 18500 | 5090 |
| 4/22/2009 | 175000 | 242000 | <5000 | <5000 |
| 4/23/2009 | | 353000 | 52800 | |
| 5/6/2014 | 193000 | | 11300 | 9900 |
| 5/7/2014 | 301000 | 88850 (D) | | <5000 |
| 5/8/2014 | 273000 | 245000 | <5000 | <5000 |
| 5/9/2014 | | 208000 | 33700 | |
| 4/9/2019 | 220000 | 260000 | 8600 | 4000 (J) |
| 4/10/2019 | 270000 | 90000 | 3000 (J) | 2700 (J) |
| 4/11/2019 | 270000 | 170000 | 21000 | 3900 (J) |

# Summary Report

Constituent: Chromium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <10 |
| 11/10/1994 | | <10 | <10 | 10 (D) |
| 11/11/1994 | <10 | 50 | 170 | |
| 11/12/1994 | <10 | <10 | 30 | |
| 11/13/1994 | <10 | | | |
| 5/3/1995 | <20 | | | |
| 5/4/1995 | 60 | 20 | | |
| 5/5/1995 | 60 | <20 | <20 | 60 |
| 5/6/1995 | | | <20 | <20 (D) |
| 5/7/1995 | | 50 | 50 | |
| 5/8/1995 | | 50 | | |
| 10/25/1995 | | 29 | | <20 |
| 10/26/1995 | 30 | <20 | <20 (D) | <20 |
| 10/27/1995 | <20 | | <20 | 30 |
| 10/28/1995 | 73 | | 78 | |
| 11/27/1995 | | 57 | | |
| 10/4/1999 | <10 | | | |
| 10/5/1999 | 25.7 | <10 | 29 (J) | |
| 10/6/1999 | <10 | <10 | 21.6 (JD) | <10 |
| 10/7/1999 | | 10.8 | 91.5 (D) | <10 |
| 10/8/1999 | | | | <10 |
| 10/4/2004 | | 12 | | |
| 10/5/2004 | <10 | 11.1 | 153 | <10 |
| 10/6/2004 | 11.55 (D) | 13.3 | 53 | <10 |
| 10/7/2004 | <10 | | 42.3 | <10 |
| 8/14/2006 | | <10 | | <10 |
| 8/15/2006 | <10 | 57.3 | <10 (D) | <10 |
| 8/16/2006 | <10 | <10 | 57 | <10 |
| 8/17/2006 | 18.1 | | 43.8 | |
| 4/20/2009 | <10 | | | <10 |
| 4/21/2009 | <10 | <10 (D) | <10 | <10 |
| 4/22/2009 | <10 | <10 | 15.1 | <10 |
| 4/23/2009 | | <10 | <10 | |
| 5/6/2014 | <10 | | <10 | <10 |
| 5/7/2014 | <10 | <10 (D) | | <10 |
| 5/8/2014 | <10 | <10 | 21 | <10 |
| 5/9/2014 | | 17 | 20 | |
| 4/9/2019 | 2.2 (J) | 1.7 (J) | 22 | 1.4 (J) |
| 4/10/2019 | 6.3 (J) | 2.9 (J) | 21 | 1 (J) |
| 4/11/2019 | 2.1 (J) | 18 | 41 | <10 |

# Summary Report

Constituent: Cobalt (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <10 |
| 11/10/1994 | | 40 | <10 | <10 (D) |
| 11/11/1994 | <10 | 10 | 90 | |
| 11/12/1994 | 60 | 10 | 10 | |
| 11/13/1994 | 50 | | | |
| 5/3/1995 | 80 | | | |
| 5/4/1995 | <10 | <10 | | |
| 5/5/1995 | 50 | 30 | <10 | 20 |
| 5/6/1995 | | | <10 | <10 (D) |
| 5/7/1995 | | 20 | <10 | |
| 5/8/1995 | | 20 | | |
| 10/25/1995 | | 28 | | <20 |
| 10/26/1995 | 77 | <20 | <20 (D) | <20 |
| 10/27/1995 | <20 | | <20 | <20 |
| 10/28/1995 | 75 | | <20 | |
| 11/27/1995 | | <20 | | |
| 10/4/1999 | <50 | | | |
| 10/5/1999 | <50 | <50 | <50 | |
| 10/6/1999 | <50 | <50 | <50 (D) | <50 |
| 10/7/1999 | | <50 | <50 (D) | <50 |
| 10/8/1999 | | | | <50 |
| 10/4/2004 | | <50 | | |
| 10/5/2004 | <50 | <50 | <50 | <50 |
| 10/6/2004 | <50 (D) | <50 | <50 | <50 |
| 10/7/2004 | <50 | | <50 | <50 |
| 8/14/2006 | | <50 | | <50 |
| 8/15/2006 | <50 | <50 | <50 (D) | <50 |
| 8/16/2006 | <50 | <50 | <50 | <50 |
| 8/17/2006 | <50 | | <50 | |
| 4/20/2009 | <50 | | | <50 |
| 4/21/2009 | <50 | <50 (D) | <50 | <50 |
| 4/22/2009 | <50 | <50 | <50 | <50 |
| 4/23/2009 | | <50 | <50 | |
| 5/6/2014 | <50 | | <50 | <50 |
| 5/7/2014 | <50 | <50 (D) | | <50 |
| 5/8/2014 | <50 | <50 | <50 | <50 |
| 5/9/2014 | | <50 | <50 | |
| 4/9/2019 | 26 | <10 | <10 | <10 |
| 4/10/2019 | 43 | <10 | 2.8 (J) | <10 |
| 4/11/2019 | <10 | 1.9 (J) | <10 | <10 |

# Summary Report

Constituent: Copper (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 3 |
| 11/10/1994 | | 13 | 9 | 14.5 (D) |
| 11/11/1994 | 24 | 69 | 100 | |
| 11/12/1994 | <20 | <6 | 25 | |
| 11/13/1994 | 15 | | | |
| 5/3/1995 | 25 | | | |
| 5/4/1995 | 17 | 3 | | |
| 5/5/1995 | 31 | 24 | 7 | 41 |
| 5/6/1995 | | | 2 | 3.5 (D) |
| 5/7/1995 | | 48 | 74 | |
| 5/8/1995 | | 48 | | |
| 10/25/1995 | | 20 | | 13 |
| 10/26/1995 | 75 | 4 | 2 (D) | 3 |
| 10/27/1995 | 61 | | 2 | 8 |
| 10/28/1995 | 63 | | 70 | |
| 11/27/1995 | | 2840 | | |
| 10/4/1999 | <25 | | | |
| 10/5/1999 | <25 | <25 | <25 | |
| 10/6/1999 | <25 | <25 | <25 (D) | <25 |
| 10/7/1999 | | <25 | <25 (D) | <25 |
| 10/8/1999 | | | | <25 |
| 10/4/2004 | | <25 | | |
| 10/5/2004 | <25 | <25 | <25 | <25 |
| 10/6/2004 | <25 (D) | <25 | 44.6 | <25 |
| 10/7/2004 | <25 | | 28.7 | <25 |
| 8/14/2006 | | <25 | | <25 |
| 8/15/2006 | 53.4 | <25 | <25 (D) | <25 |
| 8/16/2006 | 36.9 | <25 | 84.4 | <25 |
| 8/17/2006 | 61.1 | | <25 | |
| 4/20/2009 | 28.1 | | | 20.4 |
| 4/21/2009 | 27 | <10 (D) | <10 | <10 |
| 4/22/2009 | 56 (J) | <10 | 84.1 (J) | <10 |
| 4/23/2009 | | <10 | <10 | |
| 5/6/2014 | <10 | | <10 | <10 |
| 5/7/2014 | <10 | <10 (D) | | <10 |
| 5/8/2014 | <10 | <10 | 14 | <10 |
| 5/9/2014 | | <10 | <10 | |
| 4/9/2019 | <25 | <25 | 8.9 (J) | 4.6 (J) |
| 4/10/2019 | <25 | <25 | 10 (J) | <25 |
| 4/11/2019 | <25 | <25 | 3.9 (J) | <25 |

# Summary Report

Constituent: Magnesium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 1100 |
| 11/10/1994 | | 150000 | 27000 (J) | 2300 (D) |
| 11/11/1994 | 92000 | 100000 | 17000 (J) | |
| 11/12/1994 | 170000 (J) | 37000 (J) | 37000 | |
| 11/13/1994 | 130000 (J) | | | |
| 5/3/1995 | 170000 | | | |
| 5/4/1995 | 88000 | 52000 | | |
| 5/5/1995 | 120000 | 130000 | 56000 | 3900 |
| 5/6/1995 | | | 18000 | 1900 (D) |
| 5/7/1995 | | 97000 | 1400 | |
| 5/8/1995 | | 97000 | | |
| 10/25/1995 | | 144000 | | 566 |
| 10/26/1995 | 165000 | 114000 | 42850 (D) | 1810 |
| 10/27/1995 | 85700 | | 52100 | 3610 |
| 10/28/1995 | 113000 | | 1310 | |
| 11/27/1995 | | 65800 | | |
| 10/4/1999 | 121000 | | | |
| 10/5/1999 | 78800 | 60700 | 19900 | |
| 10/6/1999 | 176000 | 125000 | <5000 (D) | 5090 |
| 10/7/1999 | | 132000 | 37200 (D) | <5000 |
| 10/8/1999 | | | | <5000 |
| 10/4/2004 | | 117000 | | |
| 10/5/2004 | 159000 | 93500 | 31000 | <5000 |
| 10/6/2004 | 92050 (D) | 52900 | <5000 | <5000 |
| 10/7/2004 | 80900 | | 10500 | <5000 |
| 8/14/2006 | | 110000 | | <5000 |
| 8/15/2006 | 70400 | 99000 | 31550 (D) | <5000 |
| 8/16/2006 | 152000 | 53500 | <5000 | <5000 |
| 8/17/2006 | 83400 | | 11400 | |
| 4/20/2009 | 152000 | | | <5000 |
| 4/21/2009 | 71300 | 44550 (D) | 8140 | <5000 |
| 4/22/2009 | 85400 | 104000 | <5000 | <5000 |
| 4/23/2009 | | 105000 | 29500 | |
| 5/6/2014 | 99100 | | 6400 | <5000 |
| 5/7/2014 | 157000 | 41800 (D) | | <5000 |
| 5/8/2014 | 74100 | 107000 | <5000 | <5000 |
| 5/9/2014 | | 109000 | 17100 | |
| 4/9/2019 | 110000 | 110000 | 7500 | 1800 (J) |
| 4/10/2019 | 130000 | 41000 | 1800 (J) | 1100 (J) |
| 4/11/2019 | 67000 | 110000 | 9400 | 1700 (J) |

# Summary Report

Constituent: Manganese (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 14 |
| 11/10/1994 | | 6900 | 140 | 83.5 (D) |
| 11/11/1994 | 4700 | 760 | 3000 | |
| 11/12/1994 | 7200 | 97 | 200 | |
| 11/13/1994 | 1900 | | | |
| 5/3/1995 | 7300 | | | |
| 5/4/1995 | 5500 | 120 | | |
| 5/5/1995 | 2000 | 6100 | 33 | 400 |
| 5/6/1995 | | | 80 | 9.5 (D) |
| 5/7/1995 | | 450 | 120 | |
| 5/8/1995 | | 450 | | |
| 10/25/1995 | | 6910 | | 152 |
| 10/26/1995 | 7370 | 222 | 7.5 (D) | 6 |
| 10/27/1995 | 5280 | | 347 | 73 |
| 10/28/1995 | 2130 | | 112 | |
| 11/27/1995 | | 142 | | |
| 10/4/1999 | 1900 | | | |
| 10/5/1999 | 4430 | 106 | 122 | |
| 10/6/1999 | 6290 | 5550 | 271.5 (D) | 56.9 |
| 10/7/1999 | | 250 | 27.25 (D) | 34.2 |
| 10/8/1999 | | | | <15 |
| 10/4/2004 | | 364 | | |
| 10/5/2004 | 4820 | 4140 | 22 | 19.6 |
| 10/6/2004 | 1435 (D) | 100 | 225 | 75.4 |
| 10/7/2004 | 4030 | | 127 | 93.6 |
| 8/14/2006 | | 199 | | 46.4 |
| 8/15/2006 | 3900 | 5750 | 15.85 (D) | <15 |
| 8/16/2006 | 4350 | 235 | 147 | 28 |
| 8/17/2006 | 1370 | | 96.4 | |
| 4/20/2009 | 4440 | | | 15.1 |
| 4/21/2009 | 3950 | 101.5 (JD) | 41.1 | 90.9 |
| 4/22/2009 | 1490 | 422 | 415 | 28.9 |
| 4/23/2009 | | 5310 | 22 | |
| 5/6/2014 | 1500 | | 21 | 160 |
| 5/7/2014 | 5100 | 94.5 (D) | | 120 |
| 5/8/2014 | 5000 | 310 | 340 | 18 |
| 5/9/2014 | | 910 | 53 | |
| 4/9/2019 | 1500 | 190 | 7.3 (J) | 91 |
| 4/10/2019 | 5200 | 71 | 190 | 26 |
| 4/11/2019 | 1600 | 730 | 83 | 13 (J) |

# Summary Report

Constituent: Mercury (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <0.2 |
| 11/10/1994 | | <0.2 | <0.2 | <0.2 (D) |
| 11/11/1994 | <0.2 | <0.2 | <0.2 | |
| 11/12/1994 | <0.2 | <0.2 | <0.2 | |
| 11/13/1994 | <0.2 | | | |
| 5/3/1995 | <0.2 | | | |
| 5/4/1995 | <0.2 | <0.2 | | |
| 5/5/1995 | <0.2 | <0.2 | <0.2 | <0.2 |
| 5/6/1995 | | | <0.2 | <0.2 (D) |
| 5/7/1995 | | <0.2 | <0.2 | |
| 5/8/1995 | | <0.2 | | |
| 10/25/1995 | | <0.2 | | <0.2 |
| 10/26/1995 | <0.2 | <0.2 | <0.2 (D) | <0.2 |
| 10/27/1995 | <0.2 | | <0.2 | <0.2 |
| 10/28/1995 | 0.34 | | <0.2 | |
| 11/27/1995 | | <0.2 | | |
| 10/4/1999 | <0.2 | | | |
| 10/5/1999 | <0.2 | <0.2 | <0.2 | |
| 10/6/1999 | <0.2 | <0.2 | <0.2 (D) | <0.2 |
| 10/7/1999 | | <0.2 | <0.2 (D) | <0.2 |
| 10/8/1999 | | | | <0.2 |
| 10/4/2004 | | <0.2 | | |
| 10/5/2004 | <0.2 | <0.2 | <0.2 | <0.2 |
| 10/6/2004 | <0.2 (D) | <0.2 | <0.2 | <0.2 |
| 10/7/2004 | <0.2 | | <0.2 | <0.2 |
| 8/14/2006 | | <0.2 | | <0.2 |
| 8/15/2006 | <0.2 | <0.2 | <0.2 (D) | <0.2 |
| 8/16/2006 | <0.2 | <0.2 | <0.2 | <0.2 |
| 8/17/2006 | <0.4 | | <0.2 | |
| 4/20/2009 | <0.2 | | | <0.2 |
| 4/21/2009 | <0.2 | <0.2 (D) | <0.2 | <0.2 |
| 4/22/2009 | <0.2 | <0.2 | <0.2 | <0.2 |
| 4/23/2009 | | <0.2 | <0.2 | |
| 5/6/2014 | <0.2 | | <0.2 | <0.2 |
| 5/7/2014 | <0.2 | <0.2 (D) | | <0.2 |
| 5/8/2014 | <0.2 | <0.2 | <0.2 | <0.2 |
| 5/9/2014 | | <0.2 | <0.2 | |
| 4/9/2019 | <0.2 | <0.2 | <0.2 | <0.2 |
| 4/10/2019 | <0.2 | <0.2 | <0.2 | <0.2 |
| 4/11/2019 | <0.2 | <0.2 | <0.2 | <0.2 |

# Summary Report

Constituent: Nickel (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <20 |
| 11/10/1994 | | 20 | <20 | 39 (D) |
| 11/11/1994 | 20 | 80 | 210 | |
| 11/12/1994 | 110 | <20 | 30 | |
| 11/13/1994 | 100 | | | |
| 5/3/1995 | 70 | | | |
| 5/4/1995 | 30 | <20 | | |
| 5/5/1995 | 130 | 40 | <20 | 100 |
| 5/6/1995 | | | <20 | 20 (D) |
| 5/7/1995 | | 50 | 40 | |
| 5/8/1995 | | 50 | | |
| 10/25/1995 | | 39 | | 23 |
| 10/26/1995 | 114 | <20 | <20 (D) | <20 |
| 10/27/1995 | <20 | | <20 | 33 |
| 10/28/1995 | 190 | | 62 | |
| 11/27/1995 | | 40 | | |
| 5/13/1996 | | <20 | 26 | |
| 5/14/1996 | 84 | 24 | <20 | |
| 5/15/1996 | 70 (D) | 40 | <20 | |
| 12/4/1996 | <40 | <40 | | |
| 12/5/1996 | 87.75 (D) | <40 (D) | | |
| 12/6/1996 | | | <40 | <40 |
| 12/8/1996 | | | <40 | <40 |
| 12/9/1996 | | | <40 (D) | <40 |
| 5/18/1997 | | <40 | | <40 |
| 5/19/1997 | <40 | <40 | <40 | <40 (D) |
| 5/20/1997 | 72.15 (D) | <40 | <40 | <40 |
| 5/21/1997 | | | <40 | |
| 10/6/1997 | | <40 | | |
| 10/7/1997 | 88.27 (D) | <40 | <40 | <40 |
| 10/8/1997 | | <40 | <40 (D) | <40 |
| 10/9/1997 | <40 | | <40 | <40 |
| 4/6/1998 | 89.8 | <20 | 33.7 | |
| 4/7/1998 | 45.9 (D) | <20 | <20 (D) | |
| 4/8/1998 | | <20 | <20 | |
| 10/5/1998 | 100 | <20 (D) | <20 | <20 |
| 10/6/1998 | 43.8 (D) | <20 (D) | 22.8 | <20 |
| 10/7/1998 | | 26.3 | 51.9 | <40 |
| 4/5/1999 | | <20 | | |
| 4/6/1999 | 43.3 (D) | <20 | <20 | |
| 4/7/1999 | 74.5 | <20 | <20 | |
| 4/8/1999 | | | 23.3 | |
| 10/4/1999 | 110 | | | |
| 10/5/1999 | <40 | <40 | <40 | |
| 10/6/1999 | 91.9 | <40 | <40 (D) | <40 |
| 10/7/1999 | | <40 | 57.65 (D) | <40 |
| 10/8/1999 | | | | <40 |
| 10/16/2000 | | <20 | | |
| 10/17/2000 | 58.13 (D) | <20 | <20 | |
| 10/18/2000 | | 20.5 | <20 | |
| 10/19/2000 | | | 34.35 (D) | |
| 10/24/2001 | 61.4 (D) | <40 (D) | <40 (D) | <40 |

# Summary Report

Constituent: Nickel (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 10/25/2001 | 69.1 | <40 | <40 (D) | <40 |
| 10/26/2001 | | <40 | <40 | <40 |
| 10/14/2002 | 52.73 (D) | <10 | <10 | <10 |
| 10/15/2002 | 69.8 | <10 (D) | 10.3 | 26.7 |
| 10/16/2002 | | 23 | 15.2 | <10 |
| 10/13/2003 | 40.6 (D) | 21.6 | 10.1 | <10 |
| 10/14/2003 | 76.3 | | 27.4 | |
| 10/15/2003 | | <10 | <10 | <10 |
| 10/16/2003 | | 18.8 | | <10 |
| 10/4/2004 | | <20 | | |
| 10/5/2004 | 64.1 | 21.4 | 56.7 | <20 |
| 10/6/2004 | 71.05 (D) | <20 | 39.6 | <20 |
| 10/7/2004 | <20 | | 33.4 | <20 |
| 8/14/2006 | | <20 | | <20 |
| 8/15/2006 | <20 | 55.7 | <20 (D) | <20 |
| 8/16/2006 | 71.5 | <20 | 39.9 | <20 |
| 8/17/2006 | 88.3 | | 30.1 | |
| 4/20/2009 | 68.9 | | | <20 |
| 4/21/2009 | <20 | <20 (D) | <20 | <20 |
| 4/22/2009 | 70.5 (J) | <20 | 20.8 (J) | <20 |
| 4/23/2009 | | 21.3 (J) | <20 | |
| 5/6/2014 | 67 | | <10 | 10 |
| 5/7/2014 | 84 | <10 (D) | | <10 |
| 5/8/2014 | <10 | 11 | 22 | <10 |
| 5/9/2014 | | 13 | 15 | |
| 4/9/2019 | 59 | 2.3 (J) | 14 (J) | 10 (J) |
| 4/10/2019 | 85 | 3.6 (J) | 17 (J) | 3.5 (J) |
| 4/11/2019 | 4 (J) | 15 (J) | 30 (J) | <40 |

# Summary Report

Constituent: Potassium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 2900 |
| 11/10/1994 | | 10000 | 6600 | 3600 (D) |
| 11/11/1994 | 4500 | 18000 | 11000 | |
| 11/12/1994 | 7900 | 9600 | 8800 | |
| 11/13/1994 | 8200 | | | |
| 5/3/1995 | 7400 | | | |
| 5/4/1995 | 3100 | 8500 | | |
| 5/5/1995 | 8500 | 9500 | 8000 | 5000 |
| 5/6/1995 | | | 5200 | 3000 (D) |
| 5/7/1995 | | 17000 | 2900 | |
| 5/8/1995 | | 17000 | | |
| 10/25/1995 | | 9840 | | 3060 |
| 10/26/1995 | 8690 | 11900 | 7520 (D) | 3100 |
| 10/27/1995 | 3290 | | 7350 | 5330 |
| 10/28/1995 | 13100 | | 3160 | |
| 11/27/1995 | | 11100 | | |
| 10/4/1999 | 6690 (J) | | | |
| 10/5/1999 | <5000 | 12300 | 7820 | |
| 10/6/1999 | 7510 | 10300 | 5500 (D) | 7690 |
| 10/7/1999 | | 16600 (J) | 9885 (JD) | <5000 |
| 10/8/1999 | | | | <5000 |
| 10/4/2004 | | 16500 | | |
| 10/5/2004 | 7570 (J) | 9650 | 10200 | <5000 |
| 10/6/2004 | 7390 (JD) | 13500 (J) | 5350 (J) | <5000 |
| 10/7/2004 | <5000 | | 8350 (J) | 8050 (J) |
| 8/14/2006 | | 16700 | | <5000 |
| 8/15/2006 | <5000 | 9750 | 10600 (D) | <5000 |
| 8/16/2006 | 6480 (J) | 11900 (J) | <5000 | 7180 (J) |
| 8/17/2006 | 8170 (J) | | 7380 (J) | |
| 4/20/2009 | <10000 | | | <10000 |
| 4/21/2009 | <10000 | 13250 (D) | <10000 | <10000 |
| 4/22/2009 | <10000 | 16300 | <10000 | <10000 |
| 4/23/2009 | | 10400 | 10700 | |
| 5/6/2014 | <10000 | | <10000 | <10000 |
| 5/7/2014 | <10000 | <10000 (D) | | <10000 |
| 5/8/2014 | <10000 | 14300 | <10000 | <10000 |
| 5/9/2014 | | 10600 | <10000 | |
| 4/9/2019 | 5700 | 15000 | 11000 | 3700 (J) |
| 4/10/2019 | 6000 | 9300 | 4600 (J) | 3100 (J) |
| 4/11/2019 | 2800 (J) | 12000 | 6000 | 3600 (J) |

# Summary Report

Constituent: Selenium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <7 |
| 11/10/1994 | | <10 | <40 | <9 (D) |
| 11/11/1994 | <9 | <7 | <7 | |
| 11/12/1994 | <10 | <10 | <8 | |
| 11/13/1994 | <8 | | | |
| 5/3/1995 | <6 | | | |
| 5/4/1995 | <5 | <8 | | |
| 5/5/1995 | <6 | <7 | <8 | <7 |
| 5/6/1995 | | | <7 | <7 (D) |
| 5/7/1995 | | <5 | <5 | |
| 5/8/1995 | | <5 | | |
| 10/25/1995 | | <5 | | <5 |
| 10/26/1995 | <5 | <5 | <5 (D) | <5 |
| 10/27/1995 | <5 | | <5 | <5 |
| 10/28/1995 | <5 | | <5 | |
| 11/27/1995 | | <5 | | |
| 10/4/1999 | 5.3 | | | |
| 10/5/1999 | <5 | <5 | <5 | |
| 10/6/1999 | <5 | <5 | <5 (D) | <5 |
| 10/7/1999 | | <5 | <5 (D) | <5 |
| 10/8/1999 | | | | <5 |
| 10/4/2004 | | <5 | | |
| 10/5/2004 | <5 | <5 | <5 | <5 |
| 10/6/2004 | <5 (D) | <5 | <5 | <5 |
| 10/7/2004 | <5 | | <5 | <5 |
| 8/14/2006 | | <10 | | <10 |
| 8/15/2006 | <10 | <10 | <10 (D) | <10 |
| 8/16/2006 | <10 | <10 | <10 | <10 |
| 8/17/2006 | <10 | | <10 | |
| 4/20/2009 | <10 | | | <10 |
| 4/21/2009 | <10 | <10 (D) | <10 | <10 |
| 4/22/2009 | <10 | <10 | <10 | <10 |
| 4/23/2009 | | <10 | <10 | |
| 5/6/2014 | <10 | | <10 | <10 |
| 5/7/2014 | <10 | <2.5 (D) | | <10 |
| 5/8/2014 | <10 | <10 | <10 | <10 |
| 5/9/2014 | | <10 | <10 | |
| 4/9/2019 | <20 | <20 | <20 | <20 |
| 4/10/2019 | <20 | <20 | <20 | <20 |
| 4/11/2019 | <20 | <20 | <20 | <20 |

# Summary Report

Constituent: Silver (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <10 |
| 11/10/1994 | | <10 | <10 | <10 (D) |
| 11/11/1994 | <10 | <10 | <10 | |
| 11/12/1994 | <10 | 10 | <10 | |
| 11/13/1994 | <10 | | | |
| 5/3/1995 | <10 | | | |
| 5/4/1995 | <10 | <10 | | |
| 5/5/1995 | <10 | <10 | <10 | <10 |
| 5/6/1995 | | | <10 | <10 (D) |
| 5/7/1995 | | <10 | <10 | |
| 5/8/1995 | | <10 | | |
| 10/25/1995 | | <10 | | <10 |
| 10/26/1995 | <10 | <10 | <10 (D) | <10 |
| 10/27/1995 | <10 | | <10 | <10 |
| 10/28/1995 | <10 | | <10 | |
| 11/27/1995 | | <10 | | |
| 10/4/1999 | <10 | | | |
| 10/5/1999 | <10 | <10 | <10 | |
| 10/6/1999 | <10 | <10 | <10 (D) | <10 |
| 10/7/1999 | | <10 | <10 (D) | <10 |
| 10/8/1999 | | | | <10 |
| 10/4/2004 | | <10 | | |
| 10/5/2004 | <10 | <10 | <10 | <10 |
| 10/6/2004 | <10 (D) | <10 | <10 | <10 |
| 10/7/2004 | <10 | | <10 | <10 |
| 8/14/2006 | | <10 | | <10 |
| 8/15/2006 | <10 | <10 | <10 (D) | <10 |
| 8/16/2006 | <10 | <10 | <10 | <10 |
| 8/17/2006 | <10 | | <10 | |
| 4/20/2009 | <10 | | | <10 |
| 4/21/2009 | <10 | <10 (D) | <10 | <10 |
| 4/22/2009 | <10 | <10 | <10 | <10 |
| 4/23/2009 | | <10 | <10 | |
| 5/6/2014 | <10 | | <10 | <10 |
| 5/7/2014 | <10 | <10 (D) | | <10 |
| 5/8/2014 | <10 | <10 | <10 | <10 |
| 5/9/2014 | | <10 | <10 | |
| 4/9/2019 | <10 | <10 | <10 | <10 |
| 4/10/2019 | <10 | <10 | <10 | <10 |
| 4/11/2019 | <10 | <10 | <10 | <10 |

# Summary Report

Constituent: Sodium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 490000 |
| 11/10/1994 | | 150000 | 720000 | 565000 (D) |
| 11/11/1994 | 55000 | 320000 | 310000 | |
| 11/12/1994 | 63000 | 780000 | 680000 | |
| 11/13/1994 | 45000 | | | |
| 5/3/1995 | 56000 | | | |
| 5/4/1995 | 42000 | 720000 | | |
| 5/5/1995 | 45000 | 140000 | 490000 | 440000 |
| 5/6/1995 | | | 650000 | 530000 (D) |
| 5/7/1995 | | 250000 | 340000 | |
| 5/8/1995 | | 250000 | | |
| 10/25/1995 | | 149000 | | 437000 |
| 10/26/1995 | 50100 | 203000 | 556000 (D) | 537000 |
| 10/27/1995 | 42700 | | 587000 | 740000 |
| 10/28/1995 | 47900 | | 347000 | |
| 11/27/1995 | | 604000 | | |
| 10/4/1999 | 51000 (J) | | | |
| 10/5/1999 | 31800 (J) | 321000 | 314000 | |
| 10/6/1999 | 44100 | 122000 | 364000 (D) | 365000 |
| 10/7/1999 | | 266000 (J) | 549500 (JD) | 500000 (J) |
| 10/8/1999 | | | | 235000 (J) |
| 10/4/2004 | | 323000 | | |
| 10/5/2004 | 38900 | 89400 | 626000 | 437000 |
| 10/6/2004 | 48200 (D) | 732000 | 342000 | 539000 |
| 10/7/2004 | 42100 | | 678000 | 812000 |
| 8/14/2006 | | 382000 | | 566000 |
| 8/15/2006 | 33100 | 87400 | 701000 (D) | 435000 |
| 8/16/2006 | 35000 (J) | 792000 (J) | 314000 (J) | 943000 (J) |
| 8/17/2006 | 34400 (J) | | 732000 (J) | |
| 4/20/2009 | 36000 | | | 428000 |
| 4/21/2009 | 34300 | 845000 (D) | 763000 | 752000 |
| 4/22/2009 | 29500 | 391000 | 318000 | 539000 |
| 4/23/2009 | | 104000 | 664000 | |
| 5/6/2014 | 28300 | | 620000 | 879000 |
| 5/7/2014 | 38300 | 814500 (D) | | 537000 |
| 5/8/2014 | 35700 | 402000 | 305000 | 506000 |
| 5/9/2014 | | 102000 | 608000 | |
| 4/9/2019 | 33000 | 440000 | 700000 | 560000 |
| 4/10/2019 | 33000 | 880000 | 370000 | 500000 |
| 4/11/2019 | 33000 | 110000 | 710000 | 550000 |

# Summary Report

Constituent: Thallium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <10 |
| 11/10/1994 | | <10 | <10 | <10 (D) |
| 11/11/1994 | <10 | <10 | <10 | |
| 11/12/1994 | <10 | <10 | <10 | |
| 11/13/1994 | <10 | | | |
| 5/3/1995 | <10 | | | |
| 5/4/1995 | <10 | <10 | | |
| 5/5/1995 | <10 | <10 | <10 | <10 |
| 5/6/1995 | | | <10 | <10 (D) |
| 5/7/1995 | | <10 | <10 | |
| 5/8/1995 | | <10 | | |
| 10/25/1995 | | <10 | | <10 |
| 10/26/1995 | <10 | <10 | <10 (D) | <10 |
| 10/27/1995 | <10 | | <10 | <10 |
| 10/28/1995 | <10 | | <10 | |
| 11/27/1995 | | <10 | | |
| 10/4/1999 | <5 | | | |
| 10/5/1999 | <5 | <5 | <5 | |
| 10/6/1999 | <5 | <5 | <5 (D) | <5 |
| 10/7/1999 | | <10 | <5 (D) | <5 |
| 10/8/1999 | | | | <5 |
| 10/4/2004 | | <10 | | |
| 10/5/2004 | <10 | <10 | <10 | <10 |
| 10/6/2004 | <10 (D) | <10 | <10 | <10 |
| 10/7/2004 | <10 | | <10 | <10 |
| 8/14/2006 | | <10 | | <10 |
| 8/15/2006 | <10 | <10 | <10 (D) | <10 |
| 8/16/2006 | <10 | <10 | <10 | <10 |
| 8/17/2006 | <10 | | <10 | |
| 4/20/2009 | <2 | | | <2 |
| 4/21/2009 | <2 | <2 (D) | <2 | <2 |
| 4/22/2009 | <2 | <2 | <2 | <2 |
| 4/23/2009 | | <2 | <2 | |
| 5/6/2014 | <2 | | <2.5 | <2 |
| 5/7/2014 | <2 | <2 (D) | | <2 |
| 5/8/2014 | <2 | <2 | <2 | <2 |
| 5/9/2014 | | <10 | <2 | |
| 4/9/2019 | <20 | <20 | <20 | <20 |
| 4/10/2019 | <20 | <20 | <20 | <20 |
| 4/11/2019 | <20 | <20 | <20 | <20 |

# Summary Report

Constituent: Vanadium (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | <50 |
| 11/10/1994 | | <50 | <50 | <50 (D) |
| 11/11/1994 | <50 | 50 | 90 | |
| 11/12/1994 | <50 | <50 | <50 | |
| 11/13/1994 | <50 | | | |
| 5/3/1995 | <50 | | | |
| 5/4/1995 | <50 | <50 | | |
| 5/5/1995 | <50 | <50 | <50 | <50 |
| 5/6/1995 | | | <50 | <50 (D) |
| 5/7/1995 | | <50 | <50 | |
| 5/8/1995 | | <50 | | |
| 10/25/1995 | | <50 | | <50 |
| 10/26/1995 | <50 | <50 | <50 (D) | <50 |
| 10/27/1995 | <50 | | <50 | <50 |
| 10/28/1995 | 56 | | <50 | |
| 11/27/1995 | | <50 | | |
| 10/4/1999 | <50 | | | |
| 10/5/1999 | <50 | <50 | <50 | |
| 10/6/1999 | <50 | <50 | <50 (D) | <50 |
| 10/7/1999 | | <50 | <50 (D) | <50 |
| 10/8/1999 | | | | <50 |
| 10/4/2004 | | <50 | | |
| 10/5/2004 | <50 | <50 | <50 | <50 |
| 10/6/2004 | <50 (D) | <50 | <50 | <50 |
| 10/7/2004 | <50 | | <50 | <50 |
| 8/14/2006 | | <50 | | <50 |
| 8/15/2006 | <50 | <50 | <50 (D) | <50 |
| 8/16/2006 | <50 | <50 | <50 | <50 |
| 8/17/2006 | <50 | | <50 | |
| 4/20/2009 | <50 | | | <50 |
| 4/21/2009 | <50 | <50 (D) | <50 | <50 |
| 4/22/2009 | <50 | <50 | <50 | <50 |
| 4/23/2009 | | <50 | <50 | |
| 5/6/2014 | <50 | | <50 | <50 |
| 5/7/2014 | <50 | <50 (D) | | <50 |
| 5/8/2014 | <50 | <50 | <50 | <50 |
| 5/9/2014 | | <50 | <50 | |
| 4/9/2019 | <50 | <50 | <50 | <50 |
| 4/10/2019 | <50 | <50 | 15 (J) | <50 |
| 4/11/2019 | <50 | <50 | <50 | <50 |

# Summary Report

Constituent: Zinc (ug/L) Analysis Run 11/12/2019 1:12 PM View: Mean and RME Calculations

Summit National Site Client: Summit National Site Data: Summit.RME

| | WTU (bg) | UIU (bg) | LIU (bg) | USU (bg) |
|---|---|---|---|---|
| 11/9/1994 | | | | 60 |
| 11/10/1994 | | 140 | <10 | 30 (D) |
| 11/11/1994 | 20 | 130 | 280 | |
| 11/12/1994 | 190 | 10 | 50 | |
| 11/13/1994 | 360 | | | |
| 5/3/1995 | 200 | | | |
| 5/4/1995 | 40 | <10 | | |
| 5/5/1995 | 440 | 100 | <10 | 130 |
| 5/6/1995 | | | <10 | 10 (D) |
| 5/7/1995 | | 60 | 20 | |
| 5/8/1995 | | 60 | | |
| 10/25/1995 | | 168 | | 31 |
| 10/26/1995 | 298 | 15 | 169 (D) | 233 |
| 10/27/1995 | 38 | | 224 | 1100 |
| 10/28/1995 | 623 | | 111 | |
| 11/27/1995 | | 47 | | |
| 10/4/1999 | 302 | | | |
| 10/5/1999 | 41.1 | <20 | <20 | |
| 10/6/1999 | 219 | 76.9 | 25.95 (D) | 36.4 |
| 10/7/1999 | | <20 | <20 (D) | <20 |
| 10/8/1999 | | | | <20 |
| 10/4/2004 | | <20 | | |
| 10/5/2004 | 166 | 101 | <20 | <20 |
| 10/6/2004 | 224.5 (D) | <20 | 35.9 | <20 |
| 10/7/2004 | 23.9 | | 47 | <20 |
| 8/14/2006 | | <20 | | <20 |
| 8/15/2006 | 265 | 69.7 | <20 (D) | 22.6 |
| 8/16/2006 | 198 | <20 | 52.2 | <20 |
| 8/17/2006 | 336 | | 26.5 | |
| 4/20/2009 | 147 | | | <20 |
| 4/21/2009 | <20 | <20 (D) | <20 | <20 |
| 4/22/2009 | 216 | <20 | 39.1 | <20 |
| 4/23/2009 | | 75.1 | <20 | |
| 5/6/2014 | 210 | | <20 | <20 |
| 5/7/2014 | 150 | <20 (D) | | <20 |
| 5/8/2014 | <20 | <20 | 30 | <20 |
| 5/9/2014 | | <20 | <20 | |
| 4/9/2019 | 190 | <50 | <50 | <50 |
| 4/10/2019 | 140 | <50 | 17 (J) | <50 |
| 4/11/2019 | <50 | <50 | <50 | <50 |

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# Summary Report

Constituent: Aluminum  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 52
Wells = 4
Minimum Value = 50
Maximum Value = 45000
Mean Value = 2644
Median Value = 300
Standard Deviation = 6264
Coefficient of Variation = 2.369
Skewness = 4.308

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 3 | 85 | 28800 | 3523 | 1720 | 5841 | 1.658 | 3.305 |
| UIU (bg) | 28 | 15 | 190 | 25000 | 2299 | 200 | 6063 | 2.638 | 2.816 |
| LIU (bg) | 27 | 7 | 50 | 45000 | 3983 | 425 | 8814 | 2.213 | 3.935 |
| USU (bg) | 25 | 11 | 74 | 9700 | 635.7 | 200 | 1896 | 2.983 | 4.634 |

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# Summary Report

Constituent: Antimony  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 105
Wells = 4
Minimum Value = 5
Maximum Value = 20
Mean Value = 7.74
Median Value = 6
Standard Deviation = 4.595
Coefficient of Variation = 0.5937
Skewness = 2.091

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 27 | 5 | 20 | 7.444 | 6 | 4.585 | 0.6159 | 2.349 |
| UIU (bg) | 28 | 27 | 5 | 20 | 7.721 | 6 | 4.536 | 0.5874 | 2.164 |
| LIU (bg) | 27 | 26 | 5 | 20 | 8.148 | 6 | 4.721 | 0.5794 | 1.783 |
| USU (bg) | 25 | 25 | 5 | 20 | 7.64 | 6 | 4.786 | 0.6265 | 2.119 |

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# Summary Report

Constituent: Barium Analysis Run 11/12/2019 1:10 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 72
Wells = 4
Minimum Value = 3
Maximum Value = 840
Mean Value = 149.1
Median Value = 200
Standard Deviation = 120.4
Coefficient of Variation = 0.8073
Skewness = 1.945

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 15 | 6.9 | 200 | 132.7 | 200 | 84.6 | 0.6377 | -0.511 |
| UIU (bg) | 28 | 15 | 3 | 420 | 149.4 | 200 | 109.6 | 0.7333 | 0.1231 |
| LIU (bg) | 27 | 15 | 7.5 | 570 | 154.1 | 200 | 116.6 | 0.7569 | 1.316 |
| USU (bg) | 25 | 15 | 10 | 840 | 161.3 | 200 | 166 | 1.029 | 2.68 |

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# Summary Report

Constituent: Beryllium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 106
Wells = 4
Minimum Value = 1
Maximum Value = 5
Mean Value = 3.66
Median Value = 5
Standard Deviation = 1.892
Coefficient of Variation = 0.5169
Skewness = -0.6949

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 26 | 1 | 5 | 3.689 | 5 | 1.893 | 0.5131 | -0.7172 |
| UIU (bg) | 28 | 28 | 1 | 5 | 3.714 | 5 | 1.902 | 0.5122 | -0.7647 |
| LIU (bg) | 27 | 27 | 1 | 5 | 3.667 | 5 | 1.922 | 0.5241 | -0.7071 |
| USU (bg) | 25 | 25 | 1 | 5 | 3.56 | 5 | 1.96 | 0.5504 | -0.5833 |

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# Summary Report

Constituent: Cadmium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 174
ND/Trace = 152
Wells = 4
Minimum Value = 0.43
Maximum Value = 25
Mean Value = 3.541
Median Value = 4
Standard Deviation = 2.767
Coefficient of Variation = 0.7814
Skewness = 3.342

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 41 | 24 | 0.6 | 16.3 | 4.039 | 4 | 3.099 | 0.7673 | 1.684 |
| UIU (bg) | 48 | 41 | 0.43 | 10.6 | 3.25 | 4 | 2.106 | 0.648 | 0.7073 |
| LIU (bg) | 48 | 47 | 1 | 25 | 3.583 | 4 | 3.631 | 1.013 | 4.307 |
| USU (bg) | 37 | 36 | 1 | 5.5 | 3.311 | 4 | 1.63 | 0.4924 | -0.505 |

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# Summary Report

Constituent: Calcium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 24
Wells = 4
Minimum Value = 2700
Maximum Value = 460000
Mean Value = 141164
Median Value = 90000
Standard Deviation = 135722
Coefficient of Variation = 0.9615
Skewness = 0.463

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 0 | 175000 | 338000 | 273111 | 278000 | 51009 | 0.1868 | -0.5553 |
| UIU (bg) | 28 | 0 | 77000 | 460000 | 237118 | 241000 | 116327 | 0.4906 | 0.1934 |
| LIU (bg) | 27 | 5 | 3000 | 114000 | 35385 | 25300 | 33342 | 0.9423 | 0.9462 |
| USU (bg) | 25 | 10 | 2700 | 10600 | 5432 | 5000 | 1945 | 0.3581 | 1.237 |

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# Summary Report

Constituent: Chromium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 68
Wells = 4
Minimum Value = 1
Maximum Value = 170
Mean Value = 22.9
Median Value = 10
Standard Deviation = 26.36
Coefficient of Variation = 1.151
Skewness = 3.225

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 17 | 2.1 | 73 | 17.74 | 10 | 17.98 | 1.013 | 2.063 |
| UIU (bg) | 28 | 13 | 1.7 | 57.3 | 19.65 | 10.95 | 16.72 | 0.8512 | 1.353 |
| LIU (bg) | 27 | 9 | 10 | 170 | 40.34 | 21.6 | 40.7 | 1.009 | 2.079 |
| USU (bg) | 25 | 20 | 1 | 60 | 13.3 | 10 | 11.33 | 0.8525 | 3.015 |

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# Summary Report

Constituent: Cobalt Analysis Run 11/12/2019 1:10 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 89
Wells = 4
Minimum Value = 1.9
Maximum Value = 90
Mean Value = 38.35
Median Value = 50
Standard Deviation = 19.42
Coefficient of Variation = 0.5064
Skewness = -0.2905

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 19 | 10 | 80 | 46.7 | 50 | 17.96 | 0.3845 | -0.5817 |
| UIU (bg) | 28 | 20 | 1.9 | 50 | 35 | 50 | 17.84 | 0.5098 | -0.5148 |
| LIU (bg) | 27 | 24 | 2.8 | 90 | 36.03 | 50 | 21.89 | 0.6075 | 0.09567 |
| USU (bg) | 25 | 24 | 10 | 50 | 35.6 | 50 | 18.28 | 0.5134 | -0.4951 |

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# Summary Report

Constituent: Copper  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 64
Wells = 4
Minimum Value = 2
Maximum Value = 2840
Mean Value = 51.21
Median Value = 25
Standard Deviation = 272.8
Coefficient of Variation = 5.328
Skewness = 10.12

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 13 | 10 | 75 | 31.43 | 25 | 17.82 | 0.5669 | 1.041 |
| UIU (bg) | 28 | 19 | 3 | 2840 | 122.7 | 25 | 532.7 | 4.343 | 4.998 |
| LIU (bg) | 27 | 10 | 2 | 100 | 28.13 | 25 | 28.64 | 1.018 | 1.293 |
| USU (bg) | 25 | 16 | 3 | 41 | 17.44 | 20.4 | 9.923 | 0.569 | 0.1739 |

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# Summary Report

Constituent: Magnesium Analysis Run 11/12/2019 1:10 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 28
Wells = 4
Minimum Value = 566
Maximum Value = 176000
Mean Value = 58783
Median Value = 44550
Standard Deviation = 53833
Coefficient of Variation = 0.9158
Skewness = 0.4919

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 0 | 67000 | 176000 | 114561 | 110000 | 36355 | 0.3173 | 0.3497 |
| UIU (bg) | 28 | 0 | 37000 | 150000 | 92955 | 102000 | 33291 | 0.3581 | -0.3067 |
| LIU (bg) | 27 | 5 | 1310 | 56000 | 18483 | 11400 | 16048 | 0.8683 | 0.8681 |
| USU (bg) | 25 | 14 | 566 | 5090 | 3795 | 5000 | 1647 | 0.4341 | -0.7729 |

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# Summary Report

Constituent: Manganese Analysis Run 11/12/2019 1:10 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 5
Wells = 4
Minimum Value = 6
Maximum Value = 7370
Mean Value = 1501
Median Value = 199
Standard Deviation = 2233
Coefficient of Variation = 1.488
Skewness = 1.351

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 0 | 1370 | 7370 | 3914 | 4350 | 1972 | 0.5038 | 0.1361 |
| UIU (bg) | 28 | 0 | 71 | 6910 | 1678 | 337 | 2480 | 1.478 | 1.24 |
| LIU (bg) | 27 | 0 | 7.3 | 3000 | 232.1 | 112 | 564.5 | 2.432 | 4.6 |
| USU (bg) | 25 | 2 | 6 | 400 | 67.4 | 34.2 | 82.55 | 1.225 | 2.778 |

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# Summary Report

Constituent: Mercury  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 106
Wells = 4
Minimum Value = 0.2
Maximum Value = 0.4
Mean Value = 0.2032
Median Value = 0.2
Standard Deviation = 0.0235
Coefficient of Variation = 0.1156
Skewness = 7.441

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 26 | 0.2 | 0.4 | 0.2126 | 0.2 | 0.04613 | 0.217 | 3.435 |
| UIU (bg) | 28 | 28 | 0.2 | 0.2 | 0.2 | 0.2 | 0 | 0 | NaN |
| LIU (bg) | 27 | 27 | 0.2 | 0.2 | 0.2 | 0.2 | 0 | 0 | NaN |
| USU (bg) | 25 | 25 | 0.2 | 0.2 | 0.2 | 0.2 | 0 | 0 | NaN |

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# Summary Report

Constituent: Nickel  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 214
ND/Trace = 130
Wells = 4
Minimum Value = 2.3
Maximum Value = 210
Mean Value = 37.34
Median Value = 31.55
Standard Deviation = 28.58
Coefficient of Variation = 0.7653
Skewness = 2.444

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 48 | 9 | 4 | 190 | 66.18 | 69.45 | 34.5 | 0.5214 | 0.7924 |
| UIU (bg) | 60 | 38 | 2.3 | 80 | 27.28 | 20 | 14.18 | 0.52 | 0.9667 |
| LIU (bg) | 60 | 34 | 10 | 210 | 31.72 | 24.65 | 26.6 | 0.8387 | 5.124 |
| USU (bg) | 46 | 37 | 3.5 | 100 | 27.72 | 20 | 16.47 | 0.5943 | 1.707 |

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# Summary Report

Constituent: Potassium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 47
Wells = 4
Minimum Value = 2800
Maximum Value = 18000
Mean Value = 8514
Median Value = 8500
Standard Deviation = 3634
Coefficient of Variation = 0.4268
Skewness = 0.4857

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 9 | 2800 | 13100 | 7333 | 7510 | 2525 | 0.3443 | 0.01862 |
| UIU (bg) | 28 | 1 | 8500 | 18000 | 12528 | 11900 | 2990 | 0.2387 | 0.4806 |
| LIU (bg) | 27 | 6 | 2900 | 11000 | 7886 | 8000 | 2473 | 0.3136 | -0.4567 |
| USU (bg) | 25 | 12 | 2900 | 10000 | 5972 | 5000 | 2683 | 0.4492 | 0.5181 |

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# Summary Report

Constituent: Selenium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 106
Wells = 4
Minimum Value = 2.5
Maximum Value = 40
Mean Value = 9.101
Median Value = 8
Standard Deviation = 5.477
Coefficient of Variation = 0.6018
Skewness = 2.417

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 26 | 5 | 20 | 8.863 | 9 | 4.596 | 0.5186 | 1.432 |
| UIU (bg) | 28 | 28 | 2.5 | 20 | 8.554 | 7.5 | 4.693 | 0.5487 | 1.389 |
| LIU (bg) | 27 | 27 | 5 | 40 | 10 | 8 | 7.535 | 0.7535 | 2.628 |
| USU (bg) | 25 | 25 | 5 | 20 | 9 | 9 | 4.69 | 0.5212 | 1.402 |

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# Summary Report

Constituent: Silver  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 106
Wells = 4
Minimum Value = 10
Maximum Value = 10
Mean Value = 10
Median Value = 10
Standard Deviation = 0
Coefficient of Variation = 0
Skewness = NaN

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 27 | 10 | 10 | 10 | 10 | 0 | 0 | NaN |
| UIU (bg) | 28 | 27 | 10 | 10 | 10 | 10 | 0 | 0 | NaN |
| LIU (bg) | 27 | 27 | 10 | 10 | 10 | 10 | 0 | 0 | NaN |
| USU (bg) | 25 | 25 | 10 | 10 | 10 | 10 | 0 | 0 | NaN |

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# Summary Report

Constituent: Sodium Analysis Run 11/12/2019 1:10 PM View: Mean and RME Calculations
Summit National Site Client: Summit National Site Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 12
Wells = 4
Minimum Value = 28300
Maximum Value = 943000
Mean Value = 374357
Median Value = 365000
Standard Deviation = 271398
Coefficient of Variation = 0.725
Skewness = 0.1705

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 0 | 28300 | 63000 | 40978 | 38900 | 8892 | 0.217 | 0.6712 |
| UIU (bg) | 28 | 0 | 87400 | 880000 | 384618 | 320500 | 271713 | 0.7064 | 0.6185 |
| LIU (bg) | 27 | 0 | 305000 | 763000 | 531796 | 587000 | 166766 | 0.3136 | -0.2319 |
| USU (bg) | 25 | 0 | 235000 | 943000 | 552880 | 537000 | 160640 | 0.2906 | 0.8037 |

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# Summary Report

Constituent: Thallium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 107
Wells = 4
Minimum Value = 2
Maximum Value = 20
Mean Value = 8.893
Median Value = 10
Standard Deviation = 5.147
Coefficient of Variation = 0.5788
Skewness = 0.5849

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 27 | 2 | 20 | 8.778 | 10 | 5.257 | 0.599 | 0.6034 |
| UIU (bg) | 28 | 28 | 2 | 20 | 9.286 | 10 | 4.928 | 0.5307 | 0.5059 |
| LIU (bg) | 27 | 27 | 2 | 20 | 8.796 | 10 | 5.234 | 0.595 | 0.6184 |
| USU (bg) | 25 | 25 | 2 | 20 | 8.68 | 10 | 5.46 | 0.629 | 0.6385 |

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# Summary Report

Constituent: Vanadium  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 104
Wells = 4
Minimum Value = 15
Maximum Value = 90
Mean Value = 50.1
Median Value = 50
Standard Deviation = 5.194
Coefficient of Variation = 0.1037
Skewness = 1.384

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 26 | 50 | 56 | 50.22 | 50 | 1.155 | 0.02299 | 4.903 |
| UIU (bg) | 28 | 27 | 50 | 50 | 50 | 50 | 0 | 0 | NaN |
| LIU (bg) | 27 | 25 | 15 | 90 | 50.19 | 50 | 10.42 | 0.2077 | 0.6771 |
| USU (bg) | 25 | 25 | 50 | 50 | 50 | 50 | 0 | 0 | NaN |

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# Summary Report

Constituent: Zinc  Analysis Run 11/12/2019 1:10 PM  View: Mean and RME Calculations
Summit National Site  Client: Summit National Site  Data: Summit.RME

For observations made between 11/9/1994 and 4/11/2019, a summary of the selected data set:

Observations = 107
ND/Trace = 48
Wells = 4
Minimum Value = 10
Maximum Value = 1100
Mean Value = 93.84
Median Value = 38
Standard Deviation = 143.7
Coefficient of Variation = 1.531
Skewness = 4.043

| Well | #Obs. | ND/Trace | Min | Max | Mean | Median | Std.Dev. | CV | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| WTU (bg) | 27 | 3 | 20 | 623 | 189.9 | 190 | 144.3 | 0.7599 | 0.9862 |
| UIU (bg) | 28 | 15 | 10 | 168 | 51.17 | 33.5 | 42.93 | 0.839 | 1.213 |
| LIU (bg) | 27 | 13 | 10 | 280 | 52.51 | 25.95 | 67.01 | 1.276 | 2.34 |
| USU (bg) | 25 | 16 | 10 | 1100 | 82.52 | 20 | 217.1 | 2.631 | 4.375 |

# APPENDIX G.

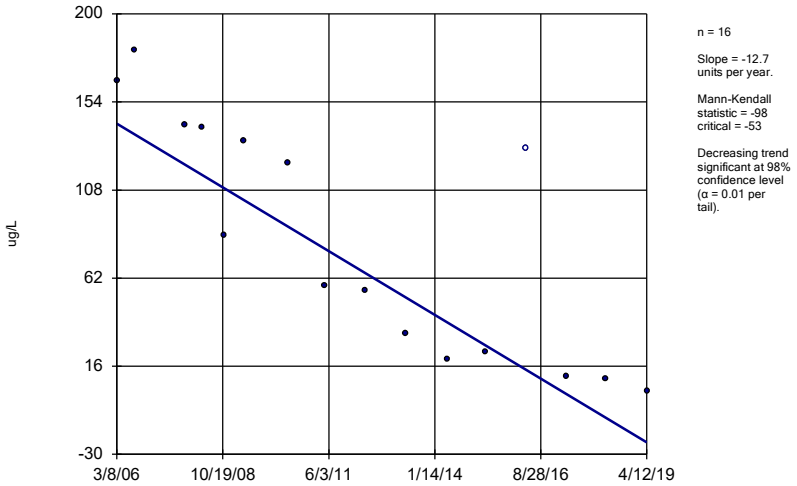
# TREND TESTING RESULTS

# POST-SHUTDOWN PERIOD

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 16

Slope = -12.7 units per year.

Mann-Kendall statistic = -98
critical = -53

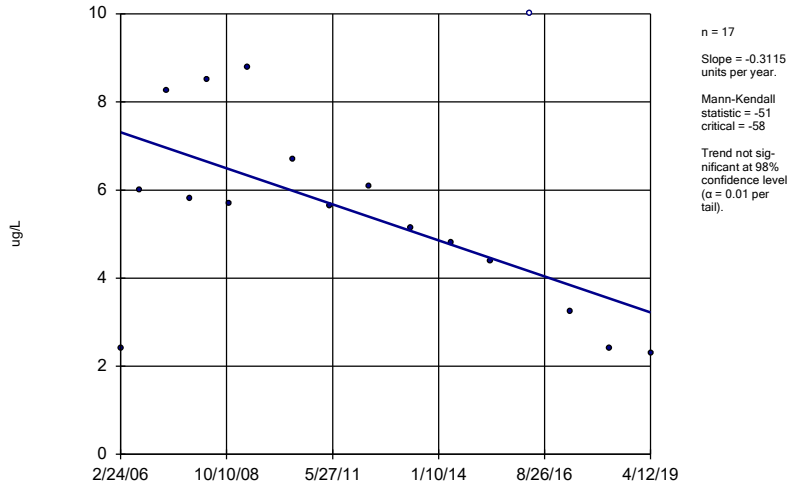
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1,1-Trichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-108




n = 17

Slope = -0.3115 units per year.

Mann-Kendall statistic = -51
critical = -58

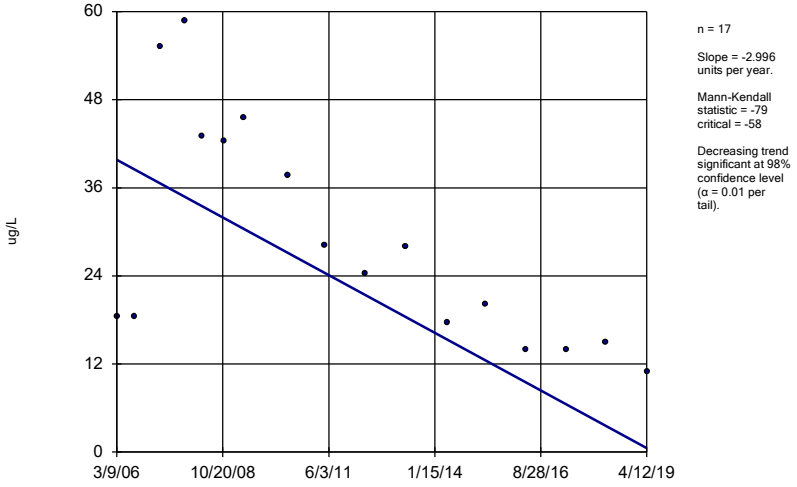
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1,1-Trichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-11




n = 17

Slope = -2.996 units per year.

Mann-Kendall statistic = -79
critical = -58

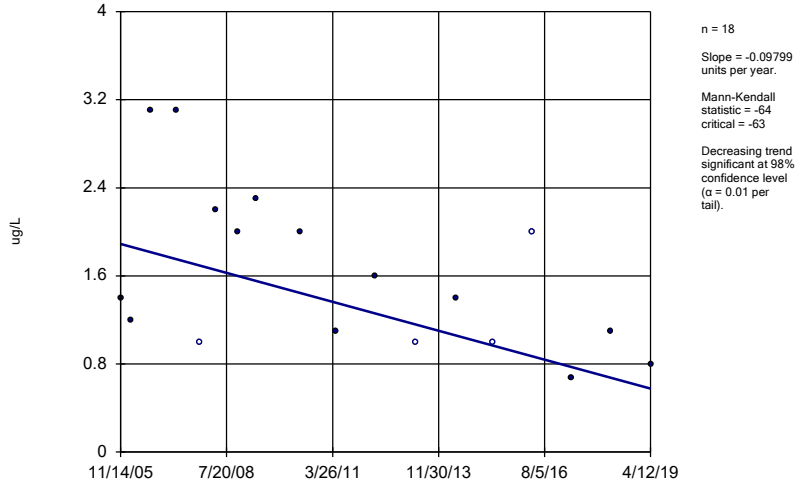
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1,1-Trichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-111




n = 18

Slope = -0.09799 units per year.

Mann-Kendall statistic = -64
critical = -63

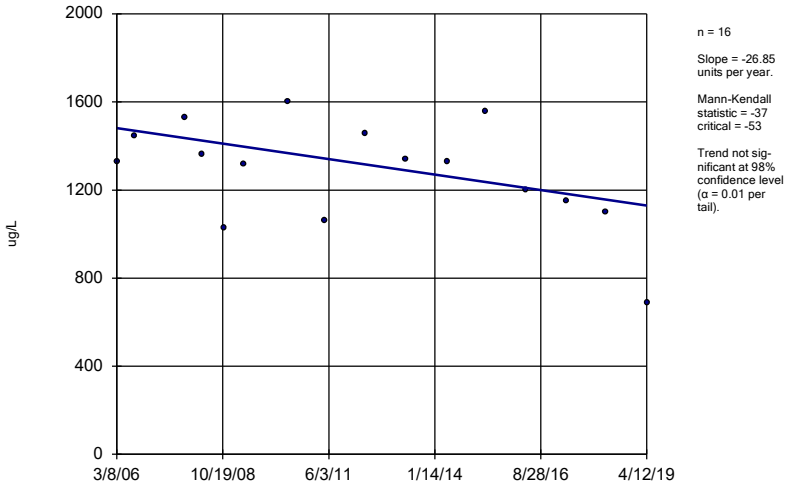
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1,1-Trichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-107




n = 16

Slope = -26.85 units per year.

Mann-Kendall statistic = -37 critical = -53

Trend not significant at 98% confidence level (α = 0.01 per tail).

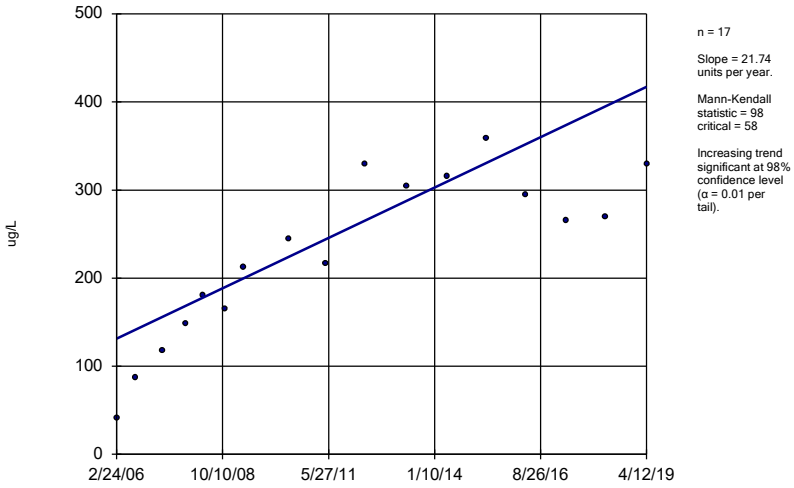
Constituent: 1,1-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




n = 17

Slope = 21.74 units per year.

Mann-Kendall statistic = 98 critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

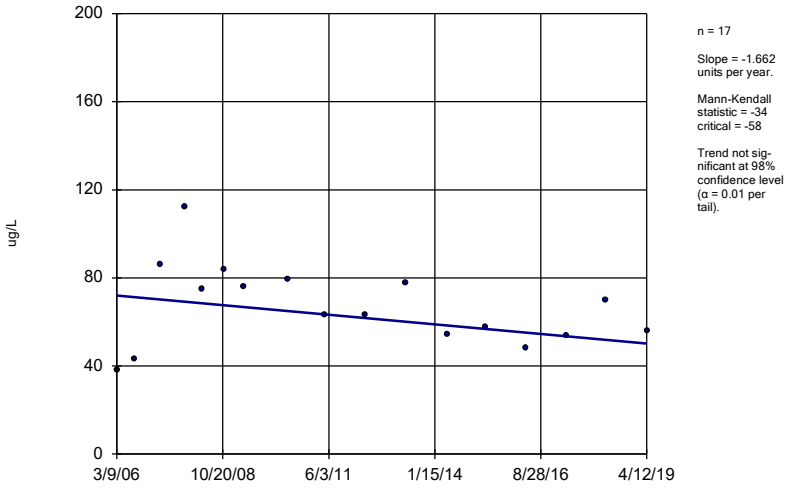
Constituent: 1,1-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-11




n = 17

Slope = -1.662 units per year.

Mann-Kendall statistic = -34 critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

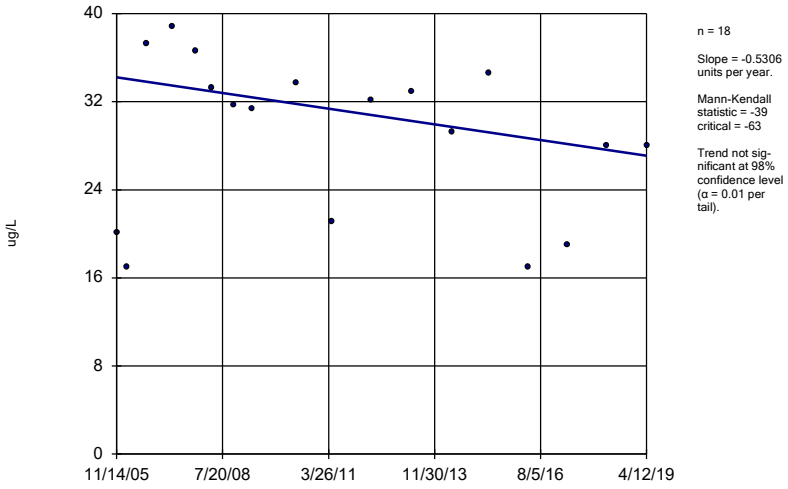
Constituent: 1,1-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-111




n = 18

Slope = -0.5306 units per year.

Mann-Kendall statistic = -39 critical = -63

Trend not significant at 98% confidence level (α = 0.01 per tail).

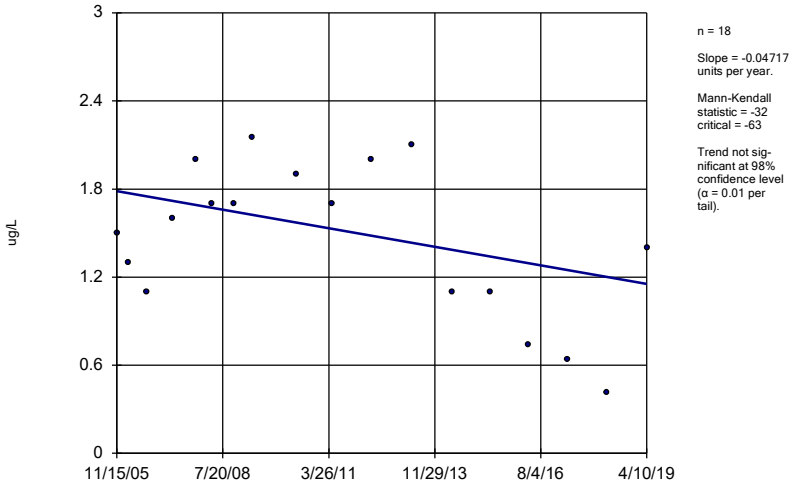
Constituent: 1,1-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-115




n = 18

Slope = -0.04717 units per year.

Mann-Kendall statistic = -32
critical = -63

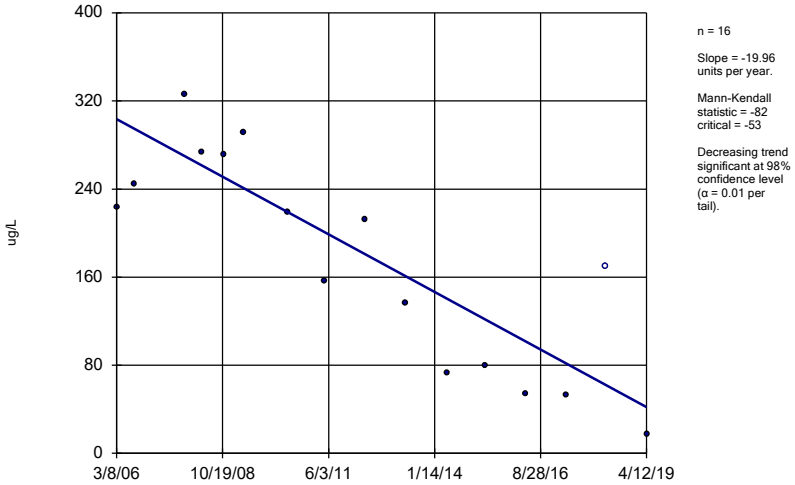
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 16

Slope = -19.96 units per year.

Mann-Kendall statistic = -82
critical = -53

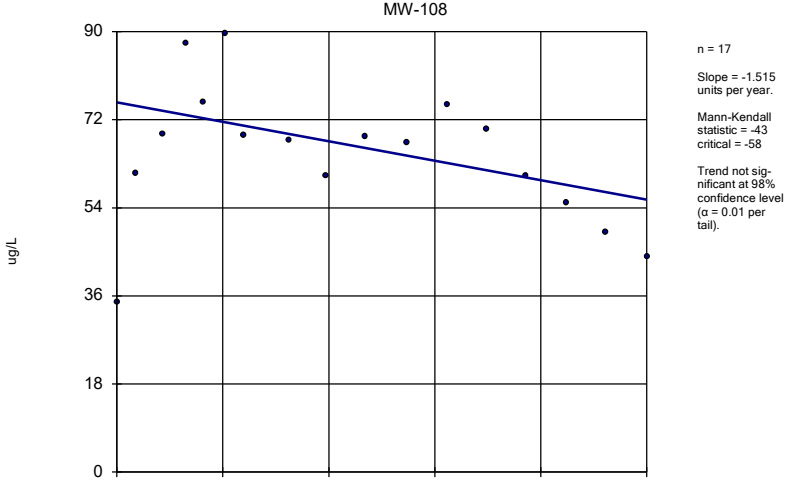
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,2-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




n = 17

Slope = -1.515 units per year.

Mann-Kendall statistic = -43
critical = -58

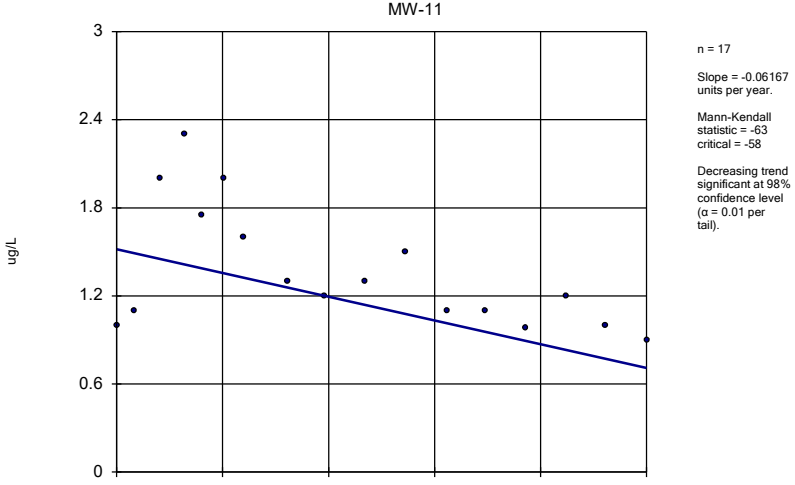
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,2-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-11




n = 17

Slope = -0.06167 units per year.

Mann-Kendall statistic = -63
critical = -58

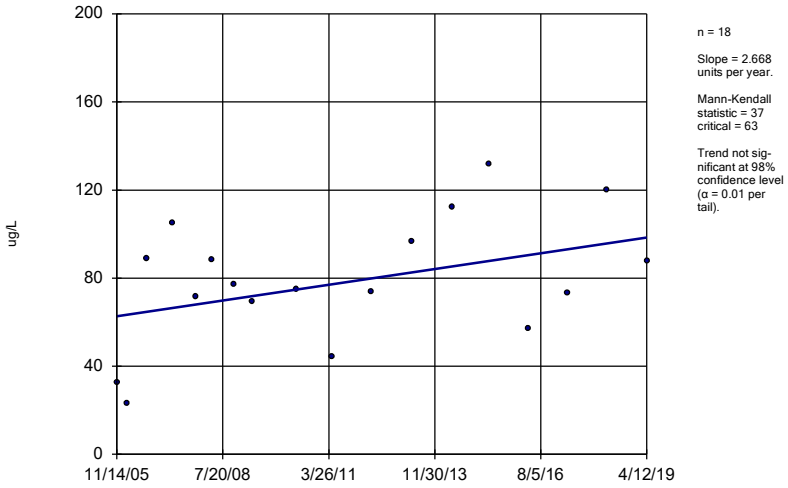
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,2-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-111




n = 18

Slope = 2.668 units per year.

Mann-Kendall statistic = 37 critical = 63

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,2-Dichloroethane Analysis Run 11/15/2019 8:05 AM View: test

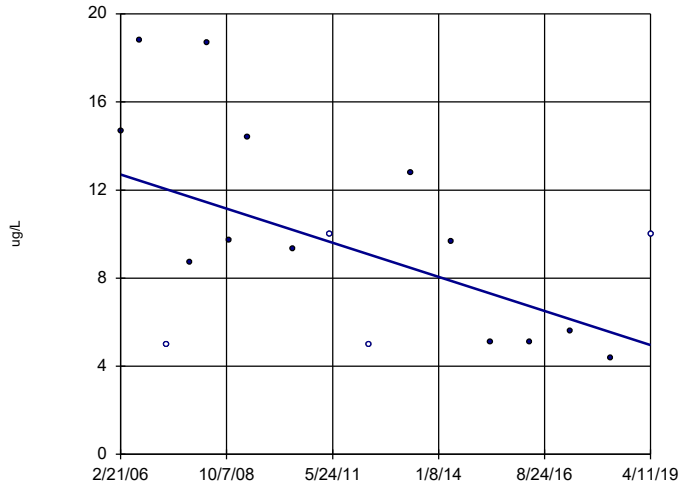
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-209




n = 17

Slope = -0.5885 units per year.

Mann-Kendall statistic = -45 critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

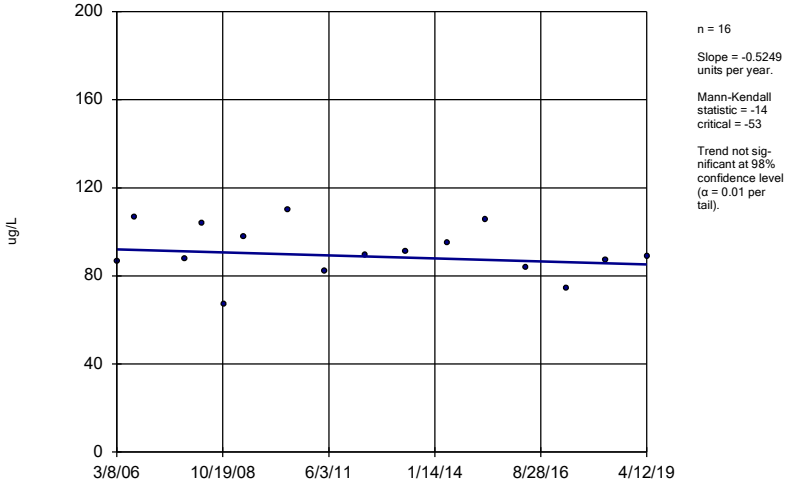
Constituent: Acetone Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-107




n = 16

Slope = -0.5249 units per year.

Mann-Kendall statistic = -14 critical = -53

Trend not significant at 98% confidence level (α = 0.01 per tail).

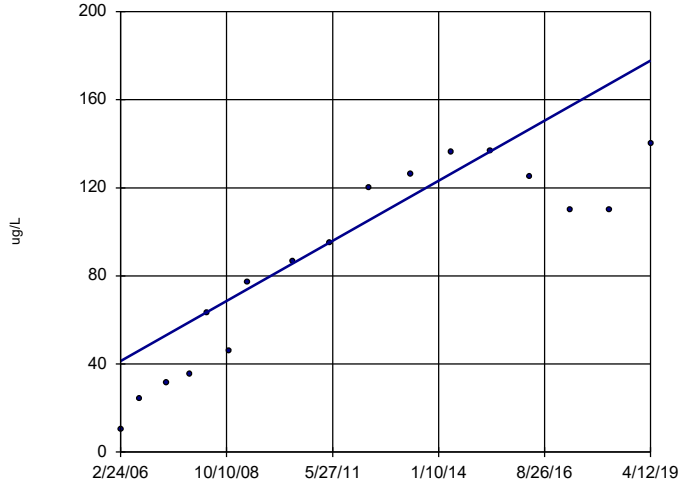
Constituent: Benzene Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




n = 17

Slope = 10.39 units per year.

Mann-Kendall statistic = 107 critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

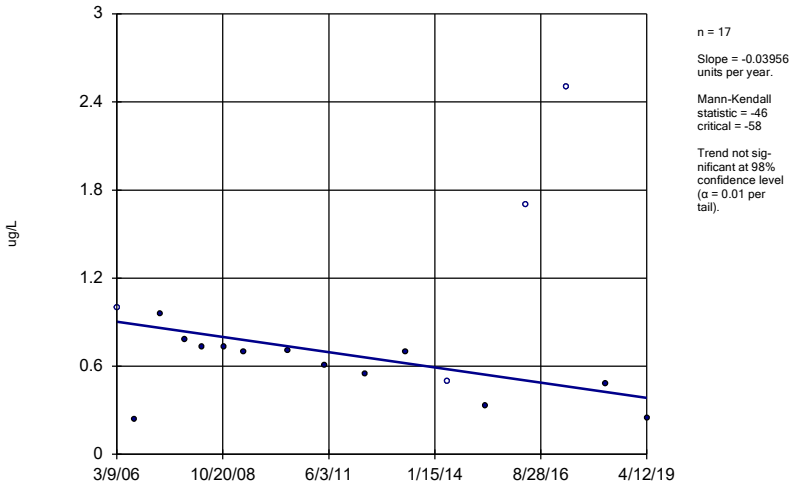
Constituent: Benzene Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-11




n = 17

Slope = -0.03956 units per year.

Mann-Kendall statistic = -46
critical = -58

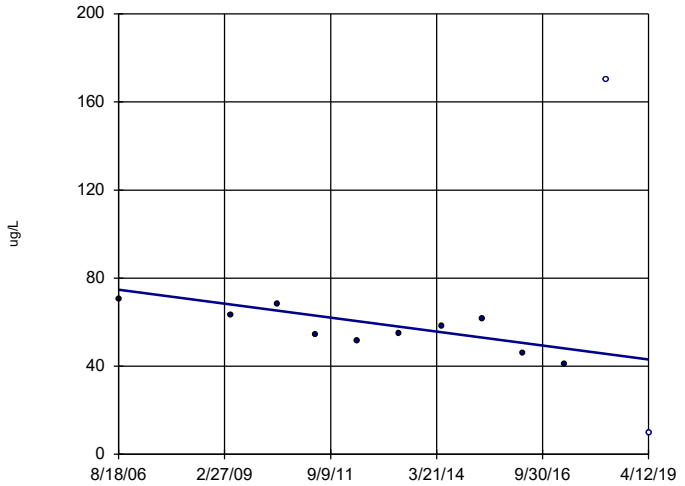
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Benzene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 12

Slope = -2.499 units per year.

Mann-Kendall statistic = -26
critical = -35

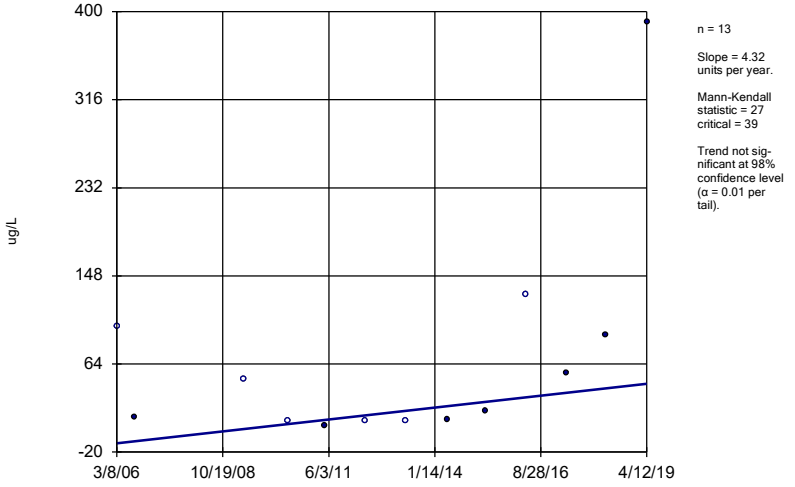
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chlorobenzene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 13

Slope = 4.32 units per year.

Mann-Kendall statistic = 27
critical = 39

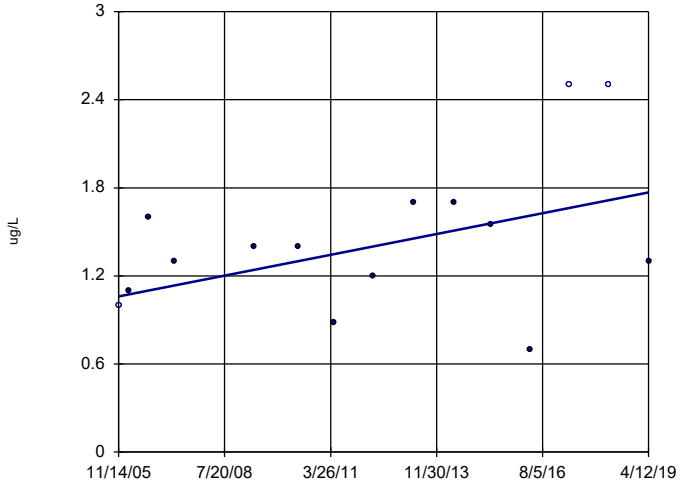
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-111




n = 15

Slope = 0.05277 units per year.

Mann-Kendall statistic = 31
critical = 48

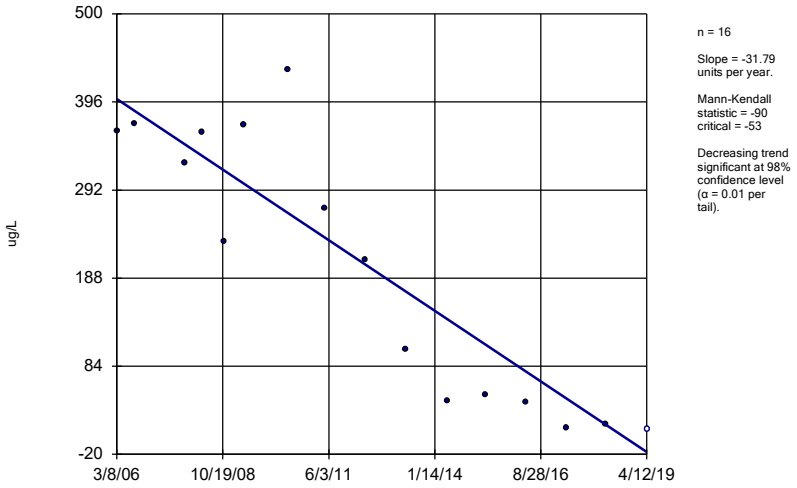
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloroethane Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 16

Slope = -31.79 units per year.

Mann-Kendall statistic = -90
critical = -53

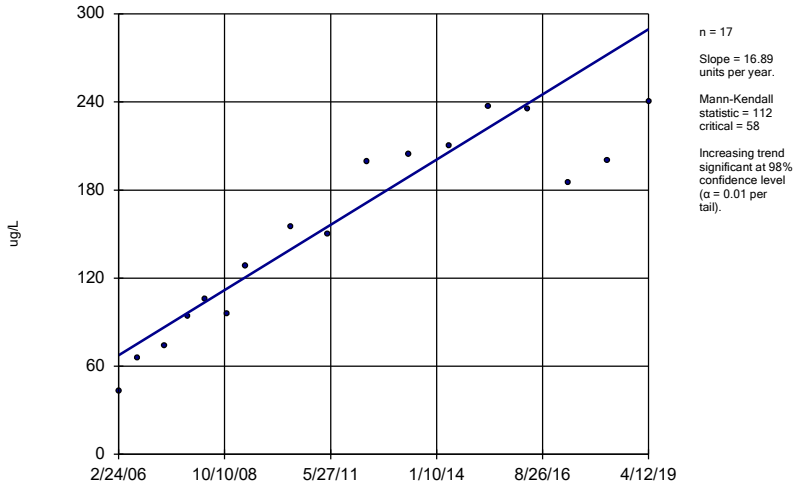
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: cis-1,2-Dichloroethene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




n = 17

Slope = 16.89 units per year.

Mann-Kendall statistic = 112
critical = 58

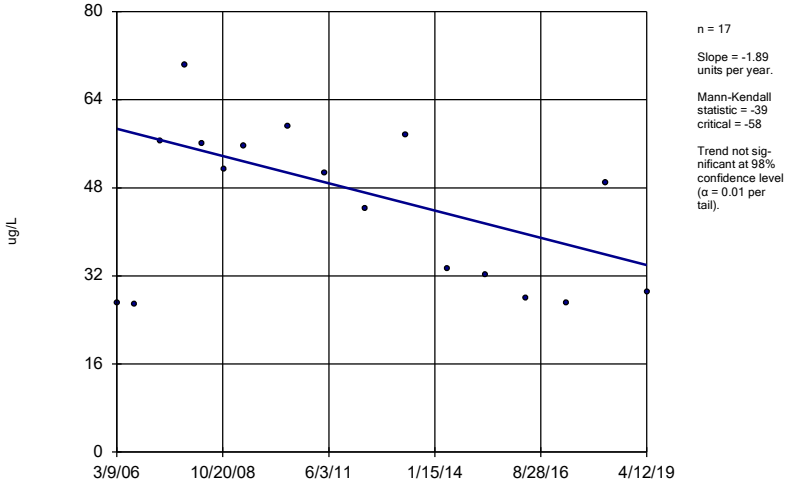
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: cis-1,2-Dichloroethene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-11




n = 17

Slope = -1.89 units per year.

Mann-Kendall statistic = -39
critical = -58

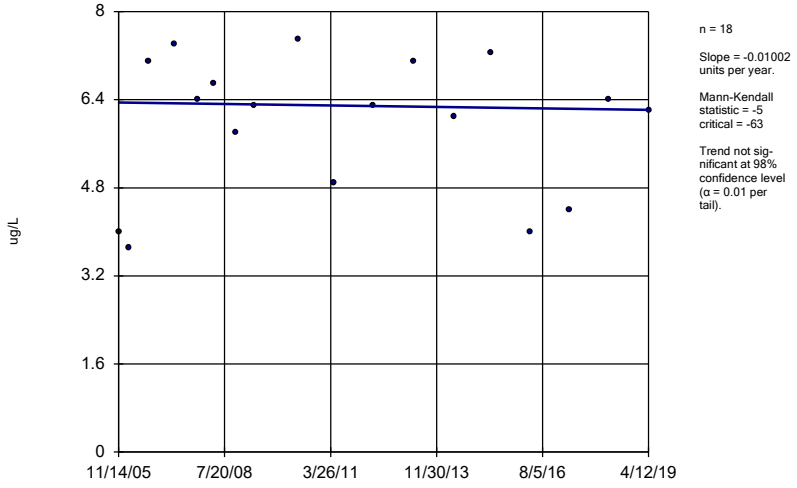
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: cis-1,2-Dichloroethene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-111




n = 18

Slope = -0.01002 units per year.

Mann-Kendall statistic = -5
critical = -63

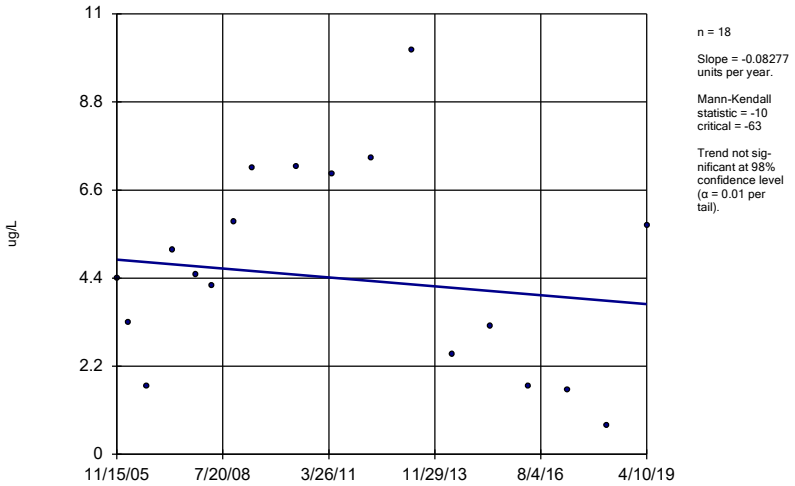
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: cis-1,2-Dichloroethene Analysis Run 11/15/2019 8:05 AM View: test
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-115



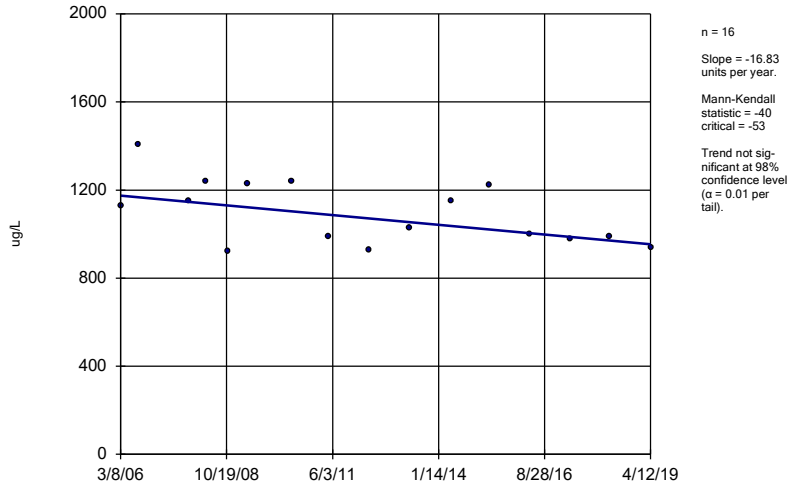

Constituent: cis-1,2-Dichloroethene Analysis Run 11/15/2019 8:05 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-107




Constituent: Ethylbenzene Analysis Run 11/15/2019 8:06 AM View: test

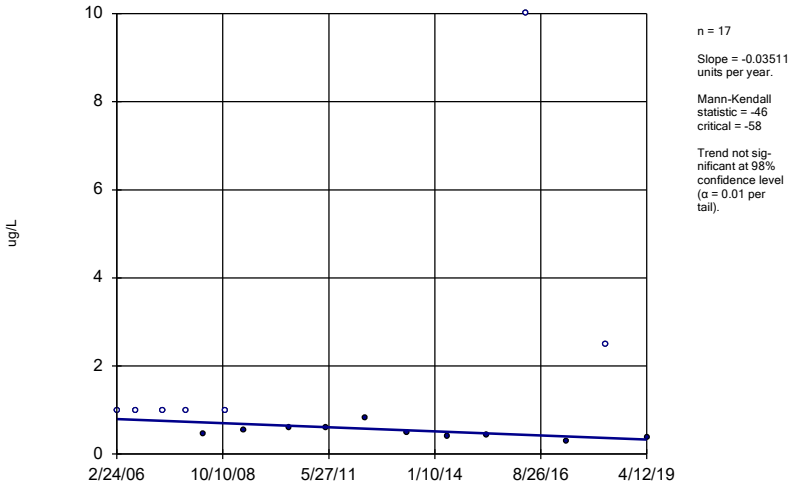
Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-108



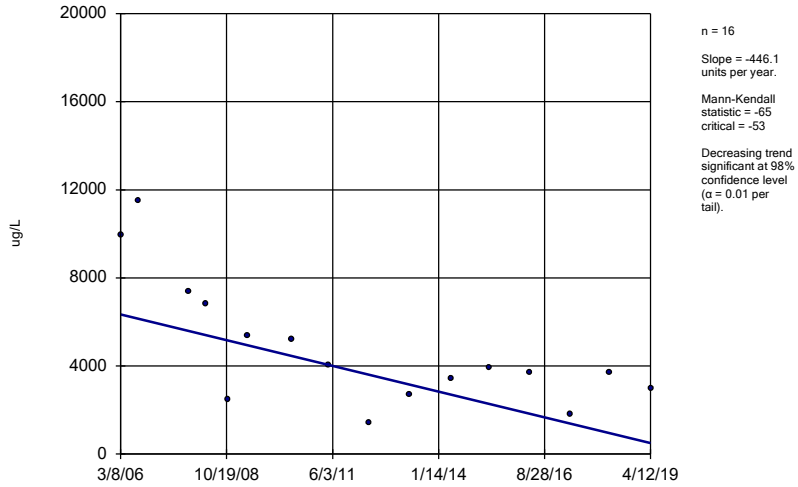

Constituent: Ethylbenzene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-107



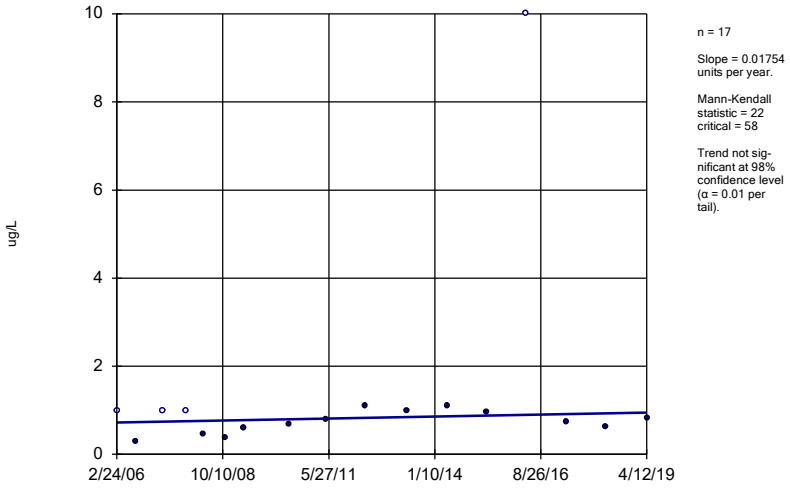

Constituent: Toluene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-108



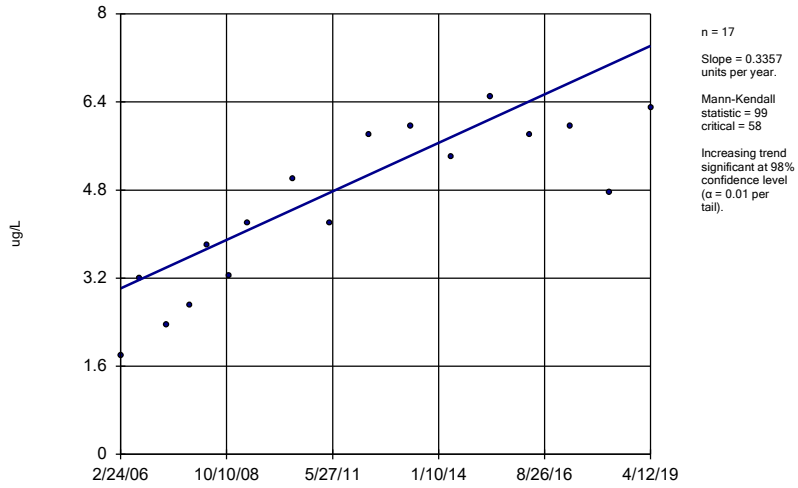

Constituent: Toluene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108



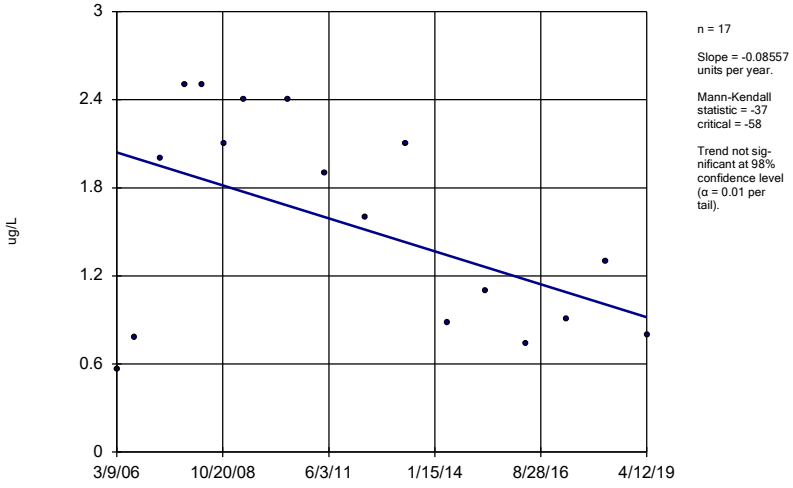

Constituent: trans-1,2-Dichloroethene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-11



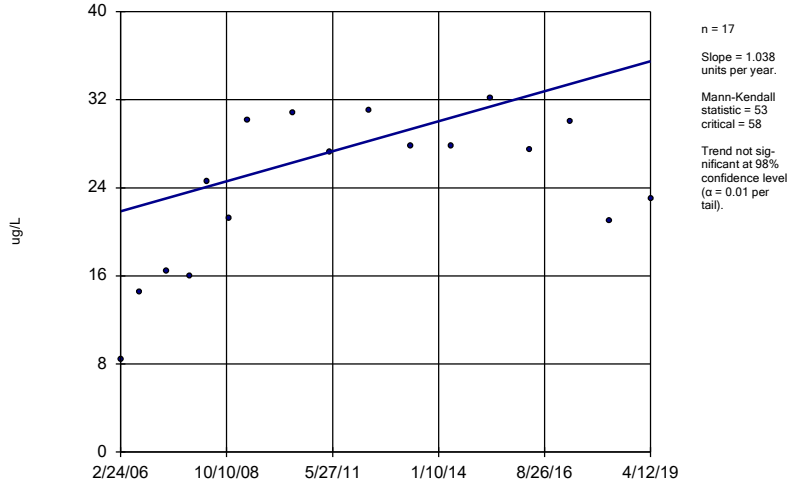

Constituent: trans-1,2-Dichloroethene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




Constituent: Trichloroethene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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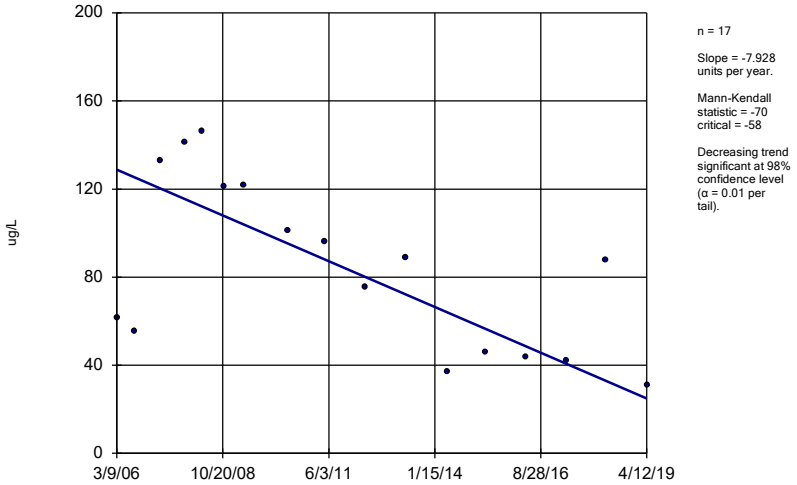
## Sen's Slope Estimator

MW-11




n = 17

Slope = -7.928 units per year.

Mann-Kendall statistic = -70 critical = -58

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Trichloroethene Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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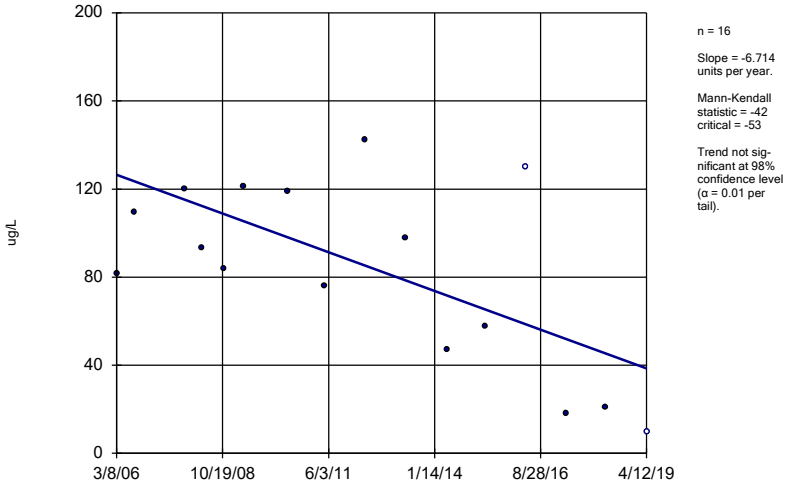
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-107




n = 16

Slope = -6.714 units per year.

Mann-Kendall statistic = -42 critical = -53

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vinyl chloride Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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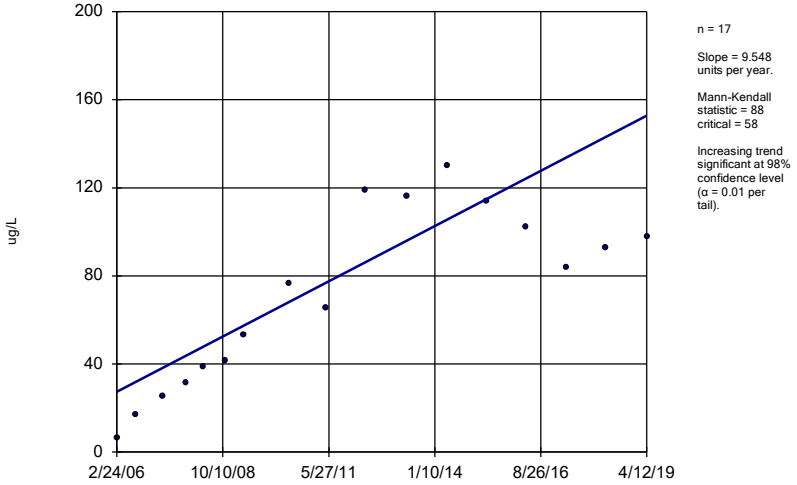
## Sen's Slope Estimator

MW-108




n = 17

Slope = 9.548 units per year.

Mann-Kendall statistic = 88 critical = 58

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vinyl chloride Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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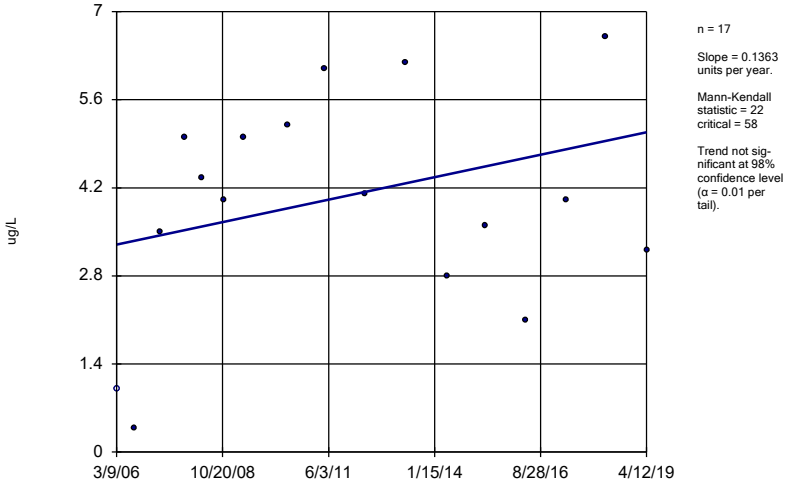
Hollow symbols indicate censored values.

## Sen's Slope Estimator

MW-11




n = 17

Slope = 0.1363 units per year.

Mann-Kendall statistic = 22 critical = 58

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vinyl chloride Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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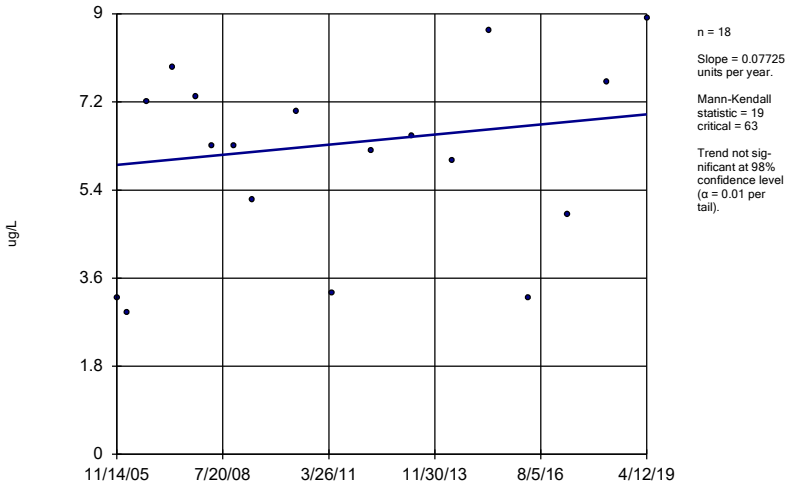
Sen's Slope Estimator

MW-111




Constituent: Vinyl chloride Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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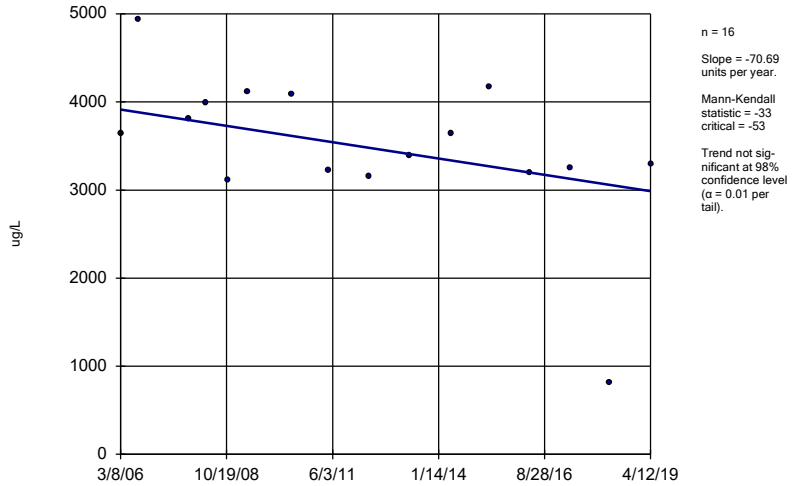
Sen's Slope Estimator

MW-107




Constituent: Xylenes [total] Analysis Run 11/15/2019 8:06 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

# Trend Test

Summit National Site  Client: Summit National Site  Data: Summit.National.Database  Printed 11/15/2019, 8:09 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1,1,1-Trichloroethane (ug/L)** | **MW-107** | **-12.7** | **-98** | **-53** | **Yes** | **16** | **6.25** | **n/a** | **n/a** | **0.02** | **NP** |
| 1,1,1-Trichloroethane (ug/L) | MW-108 | -0.3115 | -51 | -58 | No | 17 | 5.882 | n/a | n/a | 0.02 | NP |
| **1,1,1-Trichloroethane (ug/L)** | **MW-11** | **-2.996** | **-79** | **-58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| **1,1,1-Trichloroethane (ug/L)** | **MW-111** | **-0.09799** | **-64** | **-63** | **Yes** | **18** | **22.22** | **n/a** | **n/a** | **0.02** | **NP** |
| 1,1-Dichloroethane (ug/L) | MW-107 | -26.85 | -37 | -53 | No | 16 | 0 | n/a | n/a | 0.02 | NP |
| **1,1-Dichloroethane (ug/L)** | **MW-108** | **21.74** | **98** | **58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| 1,1-Dichloroethane (ug/L) | MW-11 | -1.662 | -34 | -58 | No | 17 | 0 | n/a | n/a | 0.02 | NP |
| 1,1-Dichloroethane (ug/L) | MW-111 | -0.5306 | -39 | -63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| 1,1-Dichloroethane (ug/L) | MW-115 | -0.04717 | -32 | -63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| **1,2-Dichloroethane (ug/L)** | **MW-107** | **-19.96** | **-82** | **-53** | **Yes** | **16** | **6.25** | **n/a** | **n/a** | **0.02** | **NP** |
| 1,2-Dichloroethane (ug/L) | MW-108 | -1.515 | -43 | -58 | No | 17 | 0 | n/a | n/a | 0.02 | NP |
| **1,2-Dichloroethane (ug/L)** | **MW-11** | **-0.06167** | **-63** | **-58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| 1,2-Dichloroethane (ug/L) | MW-111 | 2.668 | 37 | 63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| Acetone (ug/L) | MW-209 | -0.5885 | -45 | -58 | No | 17 | 23.53 | n/a | n/a | 0.02 | NP |
| Benzene (ug/L) | MW-107 | -0.5249 | -14 | -53 | No | 16 | 0 | n/a | n/a | 0.02 | NP |
| **Benzene (ug/L)** | **MW-108** | **10.39** | **107** | **58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| Benzene (ug/L) | MW-11 | -0.03956 | -46 | -58 | No | 17 | 23.53 | n/a | n/a | 0.02 | NP |
| Chlorobenzene (ug/L) | MW-107 | -2.499 | -26 | -35 | No | 12 | 16.67 | n/a | n/a | 0.02 | NP |
| Chloroethane (ug/L) | MW-107 | 4.32 | 27 | 39 | No | 13 | 46.15 | n/a | n/a | 0.02 | NP |
| Chloroethane (ug/L) | MW-111 | 0.05277 | 31 | 48 | No | 15 | 20 | n/a | n/a | 0.02 | NP |
| **cis-1,2-Dichloroethene (ug/L)** | **MW-107** | **-31.79** | **-90** | **-53** | **Yes** | **16** | **6.25** | **n/a** | **n/a** | **0.02** | **NP** |
| **cis-1,2-Dichloroethene (ug/L)** | **MW-108** | **16.89** | **112** | **58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| cis-1,2-Dichloroethene (ug/L) | MW-11 | -1.89 | -39 | -58 | No | 17 | 0 | n/a | n/a | 0.02 | NP |
| cis-1,2-Dichloroethene (ug/L) | MW-111 | -0.01002 | -5 | -63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| cis-1,2-Dichloroethene (ug/L) | MW-115 | -0.08277 | -10 | -63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| Ethylbenzene (ug/L) | MW-107 | -16.83 | -40 | -53 | No | 16 | 0 | n/a | n/a | 0.02 | NP |
| Ethylbenzene (ug/L) | MW-108 | -0.03511 | -46 | -58 | No | 17 | 41.18 | n/a | n/a | 0.02 | NP |
| **Toluene (ug/L)** | **MW-107** | **-446.1** | **-65** | **-53** | **Yes** | **16** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| Toluene (ug/L) | MW-108 | 0.01754 | 22 | 58 | No | 17 | 23.53 | n/a | n/a | 0.02 | NP |
| **trans-1,2-Dichloroethene (ug/L)** | **MW-108** | **0.3357** | **99** | **58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| trans-1,2-Dichloroethene (ug/L) | MW-11 | -0.08557 | -37 | -58 | No | 17 | 0 | n/a | n/a | 0.02 | NP |
| Trichloroethene (ug/L) | MW-108 | 1.038 | 53 | 58 | No | 17 | 0 | n/a | n/a | 0.02 | NP |
| **Trichloroethene (ug/L)** | **MW-11** | **-7.928** | **-70** | **-58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| Vinyl chloride (ug/L) | MW-107 | -6.714 | -42 | -53 | No | 16 | 12.5 | n/a | n/a | 0.02 | NP |
| **Vinyl chloride (ug/L)** | **MW-108** | **9.548** | **88** | **58** | **Yes** | **17** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| Vinyl chloride (ug/L) | MW-11 | 0.1363 | 22 | 58 | No | 17 | 5.882 | n/a | n/a | 0.02 | NP |
| Vinyl chloride (ug/L) | MW-111 | 0.07725 | 19 | 63 | No | 18 | 0 | n/a | n/a | 0.02 | NP |
| Xylenes [total] (ug/L) | MW-107 | -70.69 | -33 | -53 | No | 16 | 0 | n/a | n/a | 0.02 | NP |

# EARLY POST-SHUTDOWN

# (FEBRUARY 2006 – APRIL 2009)

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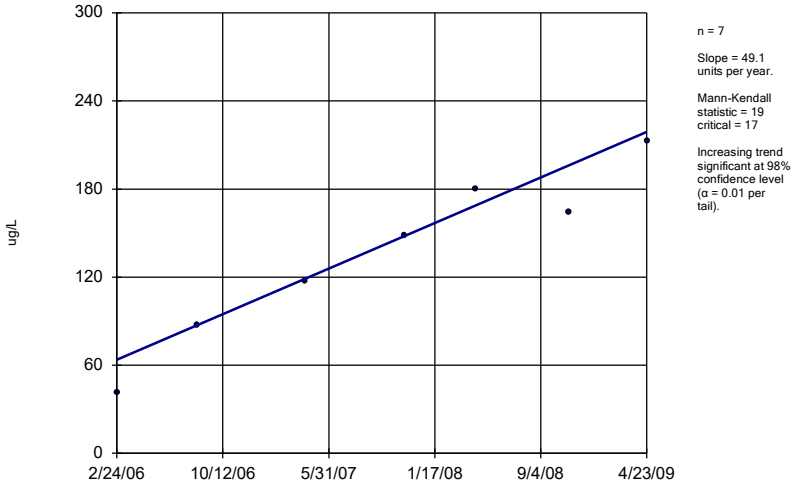
## Sen's Slope Estimator

MW-108



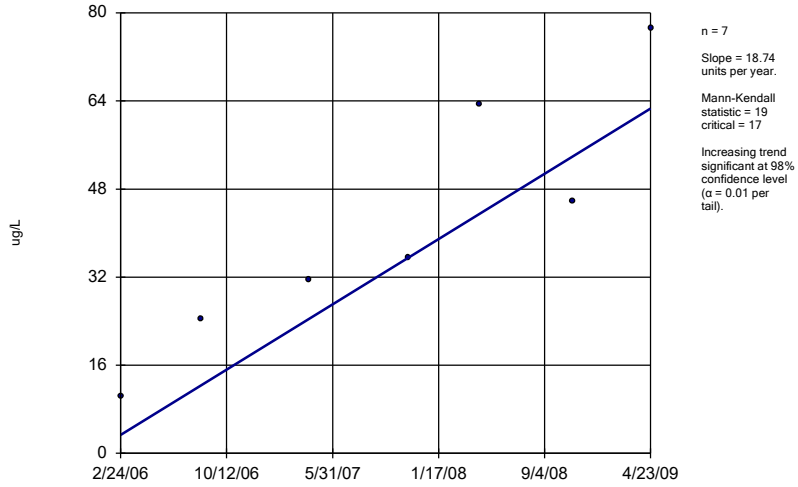

Constituent: 1,1-Dichloroethane Analysis Run 11/6/2019 10:02 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




Constituent: Benzene Analysis Run 11/6/2019 10:02 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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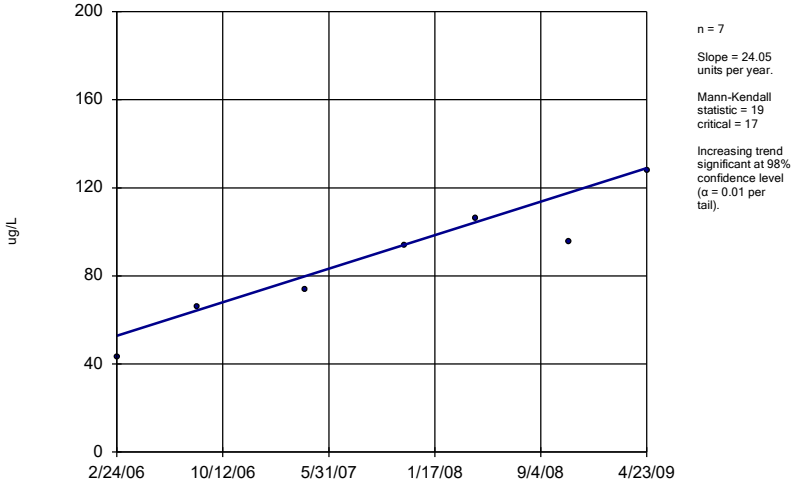
## Sen's Slope Estimator

MW-108




Constituent: cis-1,2-Dichloroethene Analysis Run 11/6/2019 10:02 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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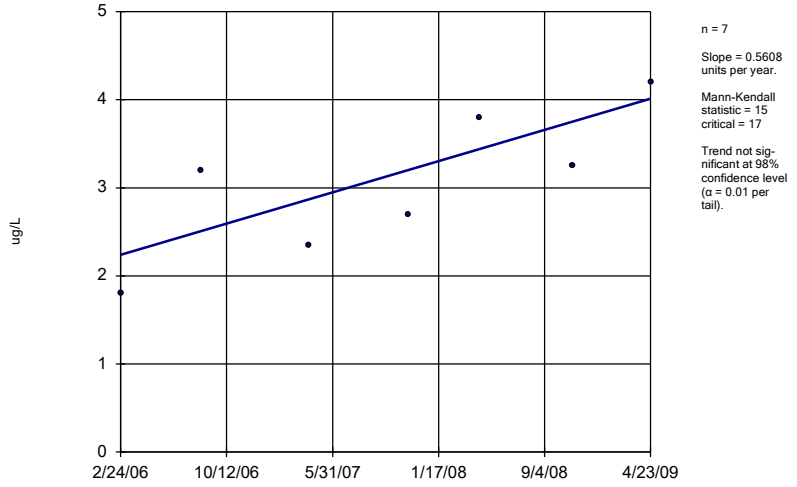
## Sen's Slope Estimator

MW-108




Constituent: trans-1,2-Dichloroethene Analysis Run 11/6/2019 10:03 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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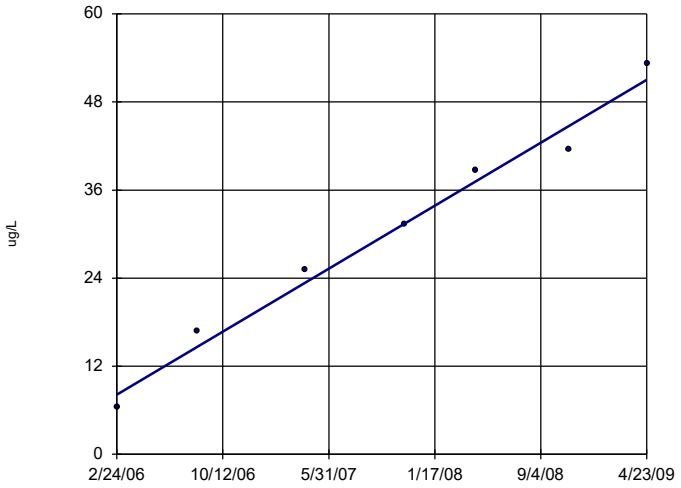
## Sen's Slope Estimator

MW-108




n = 7

Slope = 13.56 units per year.

Mann-Kendall statistic = 21
critical = 17

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vinyl chloride Analysis Run 11/6/2019 10:03 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

# Trend Test

Summit National Site  Client: Summit National Site  Data: Summit.National.Database  Printed 11/6/2019, 10:03 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane (ug/L)** | **MW-108** | **49.1** | **19** | **17** | **Yes** | **7** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| **Benzene (ug/L)** | **MW-108** | **18.74** | **19** | **17** | **Yes** | **7** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| **cis-1,2-Dichloroethene (ug/L)** | **MW-108** | **24.05** | **19** | **17** | **Yes** | **7** | **0** | **n/a** | **n/a** | **0.02** | **NP** |
| trans-1,2-Dichloroethene (ug/L) | MW-108 | 0.5608 | 15 | 17 | No | 7 | 0 | n/a | n/a | 0.02 | NP |
| **Vinyl chloride (ug/L)** | **MW-108** | **13.56** | **21** | **17** | **Yes** | **7** | **0** | **n/a** | **n/a** | **0.02** | **NP** |

# RECENT POST-SHUTDOWN

# (APRIL 2010 – APRIL 2019)

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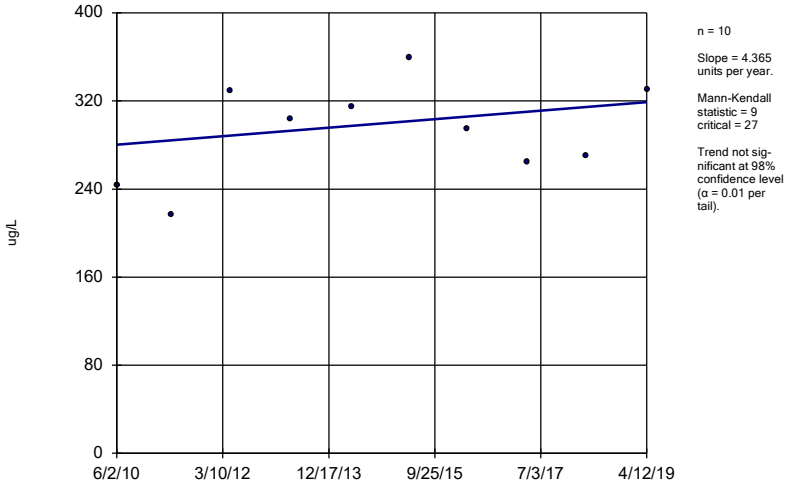
## Sen's Slope Estimator

MW-108




Constituent: 1,1-Dichloroethane Analysis Run 11/6/2019 10:04 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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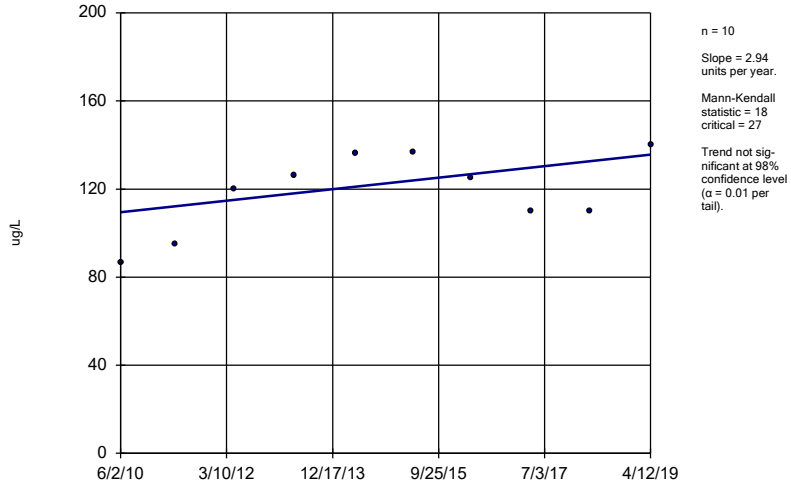
## Sen's Slope Estimator

MW-108




Constituent: Benzene Analysis Run 11/6/2019 10:04 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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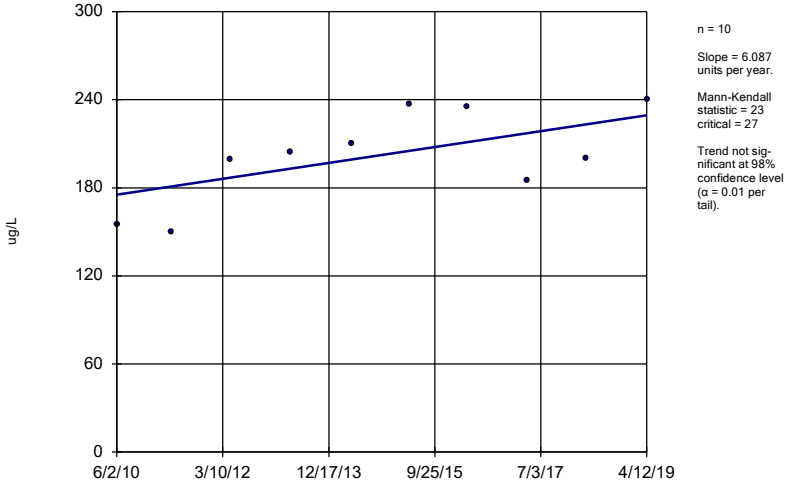
## Sen's Slope Estimator

MW-108




Constituent: cis-1,2-Dichloroethene Analysis Run 11/6/2019 10:04 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

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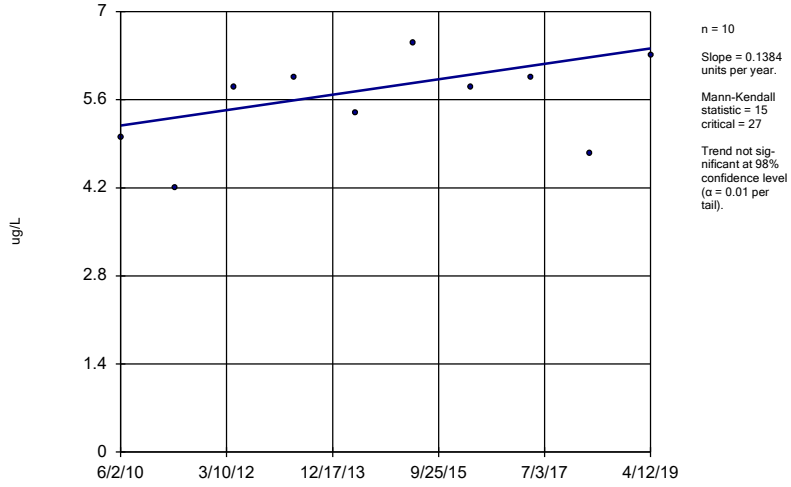
## Sen's Slope Estimator

MW-108



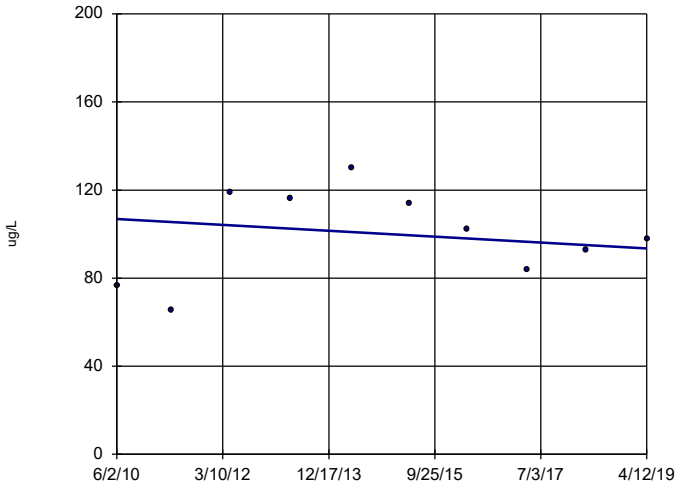

Constituent: trans-1,2-Dichloroethene Analysis Run 11/6/2019 10:04 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

Sanitas™ v.9.6.23 Software licensed to Eagon & Associates, Inc. UG

## Sen's Slope Estimator

MW-108




n = 10

Slope = -1.501 units per year.

Mann-Kendall statistic = -3
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vinyl chloride Analysis Run 11/6/2019 10:04 AM View: test

Summit National Site Client: Summit National Site Data: Summit.National.Database

# Trend Test

Summit National Site  Client: Summit National Site  Data: Summit.National.Database  Printed 11/6/2019, 10:05 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Xform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane (ug/L) | MW-108 | 4.365 | 9 | 27 | No | 10 | 0 | n/a | n/a | 0.02 | NP |
| Benzene (ug/L) | MW-108 | 2.94 | 18 | 27 | No | 10 | 0 | n/a | n/a | 0.02 | NP |
| cis-1,2-Dichloroethene (ug/L) | MW-108 | 6.087 | 23 | 27 | No | 10 | 0 | n/a | n/a | 0.02 | NP |
| trans-1,2-Dichloroethene (ug/L) | MW-108 | 0.1384 | 15 | 27 | No | 10 | 0 | n/a | n/a | 0.02 | NP |
| Vinyl chloride (ug/L) | MW-108 | -1.501 | -3 | -27 | No | 10 | 0 | n/a | n/a | 0.02 | NP |

# APPENDIX H.

# SURFACE WATER AND SEDIMENT SAMPLING RESULTS

# SAMPLE IDENTIFICATION SUMMARY
# APRIL 2019 (5-YEAR) SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Sample ID | Sample Name | Lab ID |
|---|---|---|
| S&E Ditch Sediment | SD-041019-AG-027 | 240-110816-1 |
| S&E Ditch Sediment (DUP) | SD-041019-AG-029 | 240-110816-2 |
| S&E Ditch Sediment (MS) | SD-041019-AG-027MS | 240-110816-2 MS |
| S&E Ditch Sediment (MSD) | SD-041019-AG-027MSD | 240-110816-2 MSD |
| S&E Ditch Sediment (RB) | RB-041019-AG-031 | 240-110816-3 |
| Surface Water | SW-041019-AG-021 | 240-110815-1 |
| Surface Water (DUP) | SW-041019-AG-023 | 240-110815-2 |
| Surface Water (FB) | FB-041019-AG-025 | 240-110815-3 |
| Surface Water (MS) | SW-041019-AG-021MS | 240-110815-1 MS |
| Surface Water (MSD) | SW-041019-AG-021MSD | 240-110815-1 MSD |

***Notes:***

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

# S&E DITCH SURFACE WATER SAMPLING RESULTS

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

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

Laboratory Job ID: 240-110815-1
Client Project/Site: Summit National Superfund Site-SW
Revision: 1

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

Attn: Mr. Mike Gibson

Patrick O'Meara

*Authorized for release by:*
*10/23/2019 6:51:03 PM*

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| 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. |

## 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110815-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-SW

## Report Number: 240-110815-1

## Revised

Revision 10/23/2019: Added the cis and trans 1,2-DCE isomer results to the report.

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/11/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.4º C, 0.6º C, 1.0º C, 1.2º C, 1.4º C, 1.8º C and 2.2º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples SW-041019-AG-021 (240-110815-1), SW-041019-AG-023 (240-110815-2) and FB-041019-AG-025 (240-110815-3) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/18/2019 and 04/19/2019.

The continuing calibration verification (CCV) associated with batch 240-377223 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: SW-041019-AG-021 (240-110815-1), SW-041019-AG-023 (240-110815-2), and FB-041019-AG-025 (240-110815-3).

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

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples SW-041019-AG-021 (240-110815-1), SW-041019-AG-023 (240-110815-2) and FB-041019-AG-025 (240-110815-3) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on

## Job ID: 240-110815-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

04/16/2019 and analyzed on 04/17/2019.

Diethyl phthalate was detected in method blank MB 240-376702/25-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 batch 240-376831 recovered above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 2-Nitroaniline. The following samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported: SW-041019-AG-021 (240-110815-1), SW-041019-AG-023 (240-110815-2) and FB-041019-AG-025 (240-110815-3).

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.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110815-1 | SW-041019-AG-021 | Water | 04/10/19 12:50 | 04/11/19 08:00 | |
| 240-110815-2 | SW-041019-AG-023 | Water | 04/10/19 12:50 | 04/11/19 08:00 | |
| 240-110815-3 | FB-041019-AG-025 | Water | 04/10/19 13:25 | 04/11/19 08:00 | |

# Detection Summary

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

Job ID: 240-110815-1

## Client Sample ID: SW-041019-AG-021 — Lab Sample ID: 240-110815-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.24 | J | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 1.6 | J | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 0.38 | J | 1.0 | 0.10 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 1.6 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: SW-041019-AG-023 — Lab Sample ID: 240-110815-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | 5.4 | J | 10 | 5.4 | ug/L | 1 | | 8260C | Total/NA |
| 1,1-Dichloroethane | 0.21 | J | 1.0 | 0.17 | ug/L | 1 | | 8260C | Total/NA |
| 1,2-Dichloroethene, Total | 1.7 | J | 2.0 | 0.33 | ug/L | 1 | | 8260C | Total/NA |
| Trichloroethene | 0.34 | J | 1.0 | 0.10 | ug/L | 1 | | 8260C | Total/NA |
| cis-1,2-Dichloroethene | 1.7 | | 1.0 | 0.16 | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: FB-041019-AG-025 — Lab Sample ID: 240-110815-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Diethyl phthalate | 4.3 | J B | 4.5 | 3.4 | ug/L | 1 | | 8270D | Total/NA |

This Detection Summary does not include radiochemical test results.

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: SW-041019-AG-021**
**Lab Sample ID: 240-110815-1**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/18/19 23:29 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 23:29 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 23:29 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 23:29 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 23:29 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 23:29 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 23:29 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 23:29 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 23:29 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 23:29 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 23:29 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 23:29 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 23:29 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 23:29 | 1 |
| **1,1-Dichloroethane** | **0.24** | **J** | 1.0 | 0.17 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 23:29 | 1 |
| **1,2-Dichloroethene, Total** | **1.6** | **J** | 2.0 | 0.33 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 23:29 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 23:29 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 23:29 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 23:29 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 23:29 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 23:29 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 23:29 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 23:29 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 23:29 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 23:29 | 1 |
| **Trichloroethene** | **0.38** | **J** | 1.0 | 0.10 | ug/L | | | 04/18/19 23:29 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 23:29 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 23:29 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 23:29 | 1 |
| **cis-1,2-Dichloroethene** | **1.6** | | 1.0 | 0.16 | ug/L | | | 04/18/19 23:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *59 - 120* | | *04/18/19 23:29* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 23:29* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/18/19 23:29* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/18/19 23:29* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: SW-041019-AG-021**
**Lab Sample ID: 240-110815-1**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: SW-041019-AG-021**
**Lab Sample ID: 240-110815-1**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 17:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |
| *2-Fluorophenol (Surr)* | *62* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |
| *Nitrobenzene-d5 (Surr)* | *78* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |
| *Phenol-d5 (Surr)* | *45* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |
| *Terphenyl-d14 (Surr)* | *80* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 17:15* | *1* |

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

Job ID: 240-110815-1

**Client Sample ID: SW-041019-AG-023**
**Date Collected: 04/10/19 12:50**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110815-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Acetone** | **5.4** | **J** | 10 | 5.4 | ug/L | | | 04/19/19 00:58 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 00:58 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 00:58 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 00:58 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 00:58 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 00:58 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 00:58 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 00:58 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 00:58 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 00:58 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 00:58 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 00:58 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 00:58 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 00:58 | 1 |
| **1,1-Dichloroethane** | **0.21** | **J** | 1.0 | 0.17 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 00:58 | 1 |
| **1,2-Dichloroethene, Total** | **1.7** | **J** | 2.0 | 0.33 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 00:58 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 00:58 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 00:58 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 00:58 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 00:58 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 00:58 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 00:58 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 00:58 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 00:58 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 00:58 | 1 |
| **Trichloroethene** | **0.34** | **J** | 1.0 | 0.10 | ug/L | | | 04/19/19 00:58 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 00:58 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 00:58 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 00:58 | 1 |
| **cis-1,2-Dichloroethene** | **1.7** | | 1.0 | 0.16 | ug/L | | | 04/19/19 00:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *59 - 120* | | *04/19/19 00:58* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* | | *04/19/19 00:58* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *91* | | *70 - 121* | | *04/19/19 00:58* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/19/19 00:58* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |

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

Job ID: 240-110815-1

**Client Sample ID: SW-041019-AG-023**
**Date Collected: 04/10/19 12:50**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110815-2**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: SW-041019-AG-023**
**Lab Sample ID: 240-110815-2**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |
| *2-Fluorophenol (Surr)* | *59* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |
| *Nitrobenzene-d5 (Surr)* | *80* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |
| *Phenol-d5 (Surr)* | *42* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |
| *Terphenyl-d14 (Surr)* | *84* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *73* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 18:28* | *1* |

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: FB-041019-AG-025**
**Lab Sample ID: 240-110815-3**
**Date Collected: 04/10/19 13:25**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 01:20 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 01:20 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 01:20 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 01:20 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 01:20 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/19/19 01:20 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 01:20 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 01:20 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 01:20 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 01:20 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 01:20 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 01:20 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 01:20 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 01:20 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 01:20 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 01:20 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 01:20 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 01:20 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 01:20 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 01:20 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 01:20 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 01:20 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 01:20 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 01:20 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 01:20 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 01:20 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 01:20 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/19/19 01:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/19/19 01:20* | *1* |
| *Dibromofluoromethane (Surr)* | *97* | | *75 - 128* | | *04/19/19 01:20* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *90* | | *70 - 121* | | *04/19/19 01:20* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/19/19 01:20* | *1* |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |

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

Job ID: 240-110815-1

**Client Sample ID: FB-041019-AG-025**
**Date Collected: 04/10/19 13:25**
**Date Received: 04/11/19 08:00**

**Lab Sample ID: 240-110815-3**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| **Diethyl phthalate** | **4.3** | **J B** | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

**Client Sample ID: FB-041019-AG-025**
**Lab Sample ID: 240-110815-3**
**Date Collected: 04/10/19 13:25**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 18:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *74* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |
| *2-Fluorophenol (Surr)* | *60* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |
| *Nitrobenzene-d5 (Surr)* | *75* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |
| *Phenol-d5 (Surr)* | *43* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *70* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 18:53* | *1* |

# Surrogate Summary

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

Job ID: 240-110815-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | BFB | DBFM | DCA | TOL |
| Lab Sample ID | Client Sample ID | (59-120) | (75-128) | (70-121) | (70-123) |
| 240-110815-1 | SW-041019-AG-021 | 91 | 98 | 92 | 97 |
| 240-110815-1 MS | SW-041019-AG-021 | 97 | 94 | 87 | 100 |
| 240-110815-1 MSD | SW-041019-AG-021 | 100 | 95 | 88 | 98 |
| 240-110815-2 | SW-041019-AG-023 | 90 | 94 | 91 | 97 |
| 240-110815-3 | FB-041019-AG-025 | 92 | 97 | 90 | 96 |
| LCS 240-377223/5 | Lab Control Sample | 98 | 94 | 88 | 98 |
| MB 240-377223/8 | Method Blank | 92 | 98 | 89 | 96 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110815-1 | SW-041019-AG-021 | 74 | 62 | 78 | 45 | 80 | 72 |
| 240-110815-1 MS | SW-041019-AG-021 | 82 | 90 | 92 | 62 | 83 | 85 |
| 240-110815-1 MSD | SW-041019-AG-021 | 83 | 89 | 95 | 60 | 85 | 80 |
| 240-110815-2 | SW-041019-AG-023 | 79 | 59 | 80 | 42 | 84 | 73 |
| 240-110815-3 | FB-041019-AG-025 | 74 | 60 | 75 | 43 | 82 | 70 |
| LCS 240-376702/26-A | Lab Control Sample | 85 | 87 | 98 | 60 | 89 | 82 |
| MB 240-376702/25-A | Method Blank | 76 | 54 | 79 | 44 | 81 | 76 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

**Lab Sample ID: MB 240-377223/8**
**Matrix: Water**
**Analysis Batch: 377223**

**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 | 5.4 | ug/L | | | 04/18/19 18:38 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Butanone (MEK) | ND | | 10 | 1.2 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 18:38 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 18:38 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 18:38 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 18:38 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 18:38 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 18:38 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/18/19 18:38* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 18:38* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/18/19 18:38* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/18/19 18:38* | *1* |

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 57.6 | | ug/L | | 144 | 21 - 162 |

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

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.3 | | ug/L | | 91 | 77 - 125 |
| Bromoform | 20.0 | 17.2 | | ug/L | | 86 | 49 - 141 |
| Bromomethane | 20.0 | 19.2 | | ug/L | | 96 | 41 - 175 |
| 2-Butanone (MEK) | 40.0 | 45.3 | | ug/L | | 113 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.6 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.1 | | ug/L | | 86 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 121 |
| Chloroethane | 20.0 | 20.9 | | ug/L | | 105 | 33 - 173 |
| Chloroform | 20.0 | 20.5 | | ug/L | | 102 | 79 - 127 |
| Chloromethane | 20.0 | 20.8 | | ug/L | | 104 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.3 | | ug/L | | 96 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.7 | | ug/L | | 108 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 16.8 | | ug/L | | 84 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 20.7 | | ug/L | | 103 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 42.9 | | ug/L | | 107 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.3 | | ug/L | | 107 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.5 | | ug/L | | 102 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.5 | | ug/L | | 104 | 43 - 148 |
| Methylene Chloride | 20.0 | 20.9 | | ug/L | | 105 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 41.0 | | ug/L | | 102 | 49 - 143 |
| Styrene | 20.0 | 20.1 | | ug/L | | 100 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.6 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 17.4 | | ug/L | | 87 | 74 - 130 |
| Toluene | 20.0 | 20.4 | | ug/L | | 102 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.2 | | ug/L | | 86 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.3 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 20.9 | | ug/L | | 105 | 78 - 133 |
| Trichloroethene | 20.0 | 18.1 | | ug/L | | 91 | 76 - 125 |
| Vinyl chloride | 20.0 | 21.9 | | ug/L | | 109 | 58 - 143 |
| Xylenes, Total | 40.0 | 42.2 | | ug/L | | 106 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.4 | | ug/L | | 107 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 108 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* |

**Lab Sample ID: 240-110815-1 MS**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 51.8 | | ug/L | | 130 | 10 - 168 |
| Benzene | ND | | 20.0 | 21.0 | | ug/L | | 105 | 71 - 122 |

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

**Lab Sample ID: 240-110815-1 MS**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 20.0 | 17.5 | | ug/L | | 87 | 64 - 125 |
| Bromoform | ND | | 20.0 | 16.5 | | ug/L | | 82 | 44 - 129 |
| Bromomethane | ND | | 20.0 | 17.7 | | ug/L | | 89 | 19 - 187 |
| 2-Butanone (MEK) | ND | | 40.0 | 43.1 | | ug/L | | 108 | 37 - 156 |
| Carbon disulfide | ND | | 20.0 | 20.6 | | ug/L | | 103 | 43 - 144 |
| Carbon tetrachloride | ND | | 20.0 | 16.1 | | ug/L | | 81 | 41 - 143 |
| Chlorobenzene | ND | | 20.0 | 19.2 | | ug/L | | 96 | 70 - 123 |
| Chloroethane | ND | | 20.0 | 19.9 | | ug/L | | 100 | 11 - 189 |
| Chloroform | ND | | 20.0 | 18.9 | | ug/L | | 95 | 68 - 130 |
| Chloromethane | ND | | 20.0 | 19.4 | | ug/L | | 97 | 31 - 154 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.7 | | ug/L | | 94 | 48 - 127 |
| Dibromochloromethane | ND | | 20.0 | 17.8 | | ug/L | | 89 | 60 - 129 |
| 1,1-Dichloroethane | 0.24 | J | 20.0 | 20.4 | | ug/L | | 101 | 63 - 136 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.4 | | ug/L | | 82 | 65 - 135 |
| 1,1-Dichloroethene | ND | | 20.0 | 19.2 | | ug/L | | 96 | 53 - 140 |
| 1,2-Dichloroethene, Total | 1.6 | J | 40.0 | 41.4 | | ug/L | | 100 | 68 - 130 |
| 1,2-Dichloropropane | ND | | 20.0 | 21.2 | | ug/L | | 106 | 70 - 132 |
| Ethylbenzene | ND | | 20.0 | 19.8 | | ug/L | | 99 | 66 - 120 |
| 2-Hexanone | ND | | 40.0 | 40.3 | | ug/L | | 101 | 42 - 150 |
| Methylene Chloride | ND | | 20.0 | 19.6 | | ug/L | | 98 | 61 - 130 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 39.5 | | ug/L | | 99 | 44 - 143 |
| Styrene | ND | | 20.0 | 19.5 | | ug/L | | 98 | 68 - 120 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 24.5 | | ug/L | | 122 | 60 - 137 |
| Tetrachloroethene | ND | | 20.0 | 17.1 | | ug/L | | 85 | 51 - 136 |
| Toluene | ND | | 20.0 | 20.1 | | ug/L | | 101 | 62 - 132 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 16.9 | | ug/L | | 84 | 40 - 125 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 17.2 | | ug/L | | 86 | 51 - 138 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 20.6 | | ug/L | | 103 | 76 - 132 |
| Trichloroethene | 0.38 | J | 20.0 | 17.7 | | ug/L | | 86 | 55 - 131 |
| Vinyl chloride | ND | | 20.0 | 20.2 | | ug/L | | 101 | 43 - 154 |
| Xylenes, Total | ND | | 40.0 | 41.3 | | ug/L | | 103 | 67 - 120 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 20.2 | | ug/L | | 101 | 68 - 133 |
| cis-1,2-Dichloroethene | 1.6 | | 20.0 | 21.2 | | ug/L | | 98 | 64 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *87* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

**Lab Sample ID: 240-110815-1 MSD**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 40.0 | 58.1 | | ug/L | | 145 | 10 - 168 | 11 | 35 |
| Benzene | ND | | 20.0 | 21.2 | | ug/L | | 106 | 71 - 122 | 1 | 22 |
| Bromodichloromethane | ND | | 20.0 | 17.7 | | ug/L | | 88 | 64 - 125 | 1 | 27 |

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

**Lab Sample ID: 240-110815-1 MSD**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | | 20.0 | 16.8 | | ug/L | | 84 | 44 - 129 | 2 | 28 |
| Bromomethane | ND | | 20.0 | 18.5 | | ug/L | | 92 | 19 - 187 | 4 | 35 |
| 2-Butanone (MEK) | ND | | 40.0 | 42.3 | | ug/L | | 106 | 37 - 156 | 2 | 35 |
| Carbon disulfide | ND | | 20.0 | 21.7 | | ug/L | | 109 | 43 - 144 | 5 | 33 |
| Carbon tetrachloride | ND | | 20.0 | 16.6 | | ug/L | | 83 | 41 - 143 | 3 | 30 |
| Chlorobenzene | ND | | 20.0 | 19.0 | | ug/L | | 95 | 70 - 123 | 1 | 23 |
| Chloroethane | ND | | 20.0 | 21.1 | | ug/L | | 105 | 11 - 189 | 6 | 35 |
| Chloroform | ND | | 20.0 | 19.9 | | ug/L | | 99 | 68 - 130 | 5 | 23 |
| Chloromethane | ND | | 20.0 | 20.8 | | ug/L | | 104 | 31 - 154 | 7 | 35 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.3 | | ug/L | | 92 | 48 - 127 | 2 | 30 |
| Dibromochloromethane | ND | | 20.0 | 18.0 | | ug/L | | 90 | 60 - 129 | 1 | 26 |
| 1,1-Dichloroethane | 0.24 | J | 20.0 | 21.5 | | ug/L | | 106 | 63 - 136 | 5 | 23 |
| 1,2-Dichloroethane | ND | | 20.0 | 16.7 | | ug/L | | 83 | 65 - 135 | 2 | 24 |
| 1,1-Dichloroethene | ND | | 20.0 | 20.3 | | ug/L | | 102 | 53 - 140 | 6 | 35 |
| 1,2-Dichloroethene, Total | 1.6 | J | 40.0 | 43.6 | | ug/L | | 105 | 68 - 130 | 5 | 21 |
| 1,2-Dichloropropane | ND | | 20.0 | 21.3 | | ug/L | | 107 | 70 - 132 | 1 | 26 |
| Ethylbenzene | ND | | 20.0 | 20.0 | | ug/L | | 100 | 66 - 120 | 1 | 24 |
| 2-Hexanone | ND | | 40.0 | 39.8 | | ug/L | | 100 | 42 - 150 | 1 | 35 |
| Methylene Chloride | ND | | 20.0 | 20.7 | | ug/L | | 104 | 61 - 130 | 6 | 29 |
| 4-Methyl-2-pentanone | ND | | 40.0 | 39.3 | | ug/L | | 98 | 44 - 143 | 1 | 35 |
| Styrene | ND | | 20.0 | 19.6 | | ug/L | | 98 | 68 - 120 | 0 | 26 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 24.5 | | ug/L | | 122 | 60 - 137 | 0 | 31 |
| Tetrachloroethene | ND | | 20.0 | 17.2 | | ug/L | | 86 | 51 - 136 | 1 | 23 |
| Toluene | ND | | 20.0 | 20.0 | | ug/L | | 100 | 62 - 132 | 1 | 23 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 16.7 | | ug/L | | 83 | 40 - 125 | 1 | 27 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 17.9 | | ug/L | | 89 | 51 - 138 | 4 | 27 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 20.7 | | ug/L | | 104 | 76 - 132 | 0 | 25 |
| Trichloroethene | 0.38 | J | 20.0 | 17.6 | | ug/L | | 86 | 55 - 131 | 0 | 23 |
| Vinyl chloride | ND | | 20.0 | 21.2 | | ug/L | | 106 | 43 - 154 | 5 | 29 |
| Xylenes, Total | ND | | 40.0 | 41.8 | | ug/L | | 105 | 67 - 120 | 1 | 25 |
| trans-1,2-Dichloroethene | ND | | 20.0 | 21.1 | | ug/L | | 106 | 68 - 133 | 5 | 24 |
| cis-1,2-Dichloroethene | 1.6 | | 20.0 | 22.5 | | ug/L | | 104 | 64 - 130 | 6 | 21 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *95* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Diethyl phthalate | 4.22 | J | 5.0 | 3.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

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

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2-Fluorophenol (Surr)* | *54* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *79* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| Acenaphthylene | 32.0 | 27.0 | | ug/L | | 84 | 59 - 120 |
| Anthracene | 32.0 | 22.1 | | ug/L | | 69 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 25.2 | | ug/L | | 79 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.3 | | ug/L | | 79 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 25.9 | | ug/L | | 81 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 27.9 | | ug/L | | 87 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.5 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 27.3 | | ug/L | | 85 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.3 | | ug/L | | 76 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 27.3 | | ug/L | | 85 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 25.9 | | ug/L | | 81 | 53 - 120 |
| Carbazole | 32.0 | 23.0 | | ug/L | | 72 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 16.5 | | ug/L | | 52 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 28.7 | | ug/L | | 90 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.8 | | ug/L | | 78 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |
| 4-Chlorophenyl phenyl ether | 32.0 | 28.1 | | ug/L | | 88 | 62 - 120 |
| Chrysene | 32.0 | 24.2 | | ug/L | | 76 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 28.3 | | ug/L | | 88 | 62 - 120 |
| Dibenzofuran | 32.0 | 26.3 | | ug/L | | 82 | 59 - 120 |

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

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | 32.0 | 23.6 | | ug/L | | 74 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 23.3 | | ug/L | | 73 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 23.2 | | ug/L | | 72 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 46.2 | | ug/L | | 72 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 30.0 | | ug/L | | 94 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.1 | | ug/L | | 88 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.5 | | ug/L | | 86 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.8 | | ug/L | | 77 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 24.4 | | ug/L | | 76 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 59.2 | | ug/L | | 93 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 52.4 | | ug/L | | 82 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.4 | | ug/L | | 89 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 26.3 | | ug/L | | 82 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 30.5 | | ug/L | | 95 | 58 - 120 |
| Fluoranthene | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Fluorene | 32.0 | 24.8 | | ug/L | | 78 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 22.2 | | ug/L | | 69 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 28.7 | | ug/L | | 90 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 26.6 | | ug/L | | 83 | 30 - 120 |
| Hexachloroethane | 32.0 | 23.6 | | ug/L | | 74 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.0 | | ug/L | | 87 | 62 - 120 |
| Isophorone | 32.0 | 28.1 | | ug/L | | 88 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.8 | | ug/L | | 80 | 58 - 120 |
| 2-Methylphenol | 32.0 | 26.2 | | ug/L | | 82 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 25.0 | | ug/L | | 78 | 50 - 120 |
| Naphthalene | 32.0 | 25.7 | | ug/L | | 80 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 30.1 | | ug/L | | 94 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 28.8 | | ug/L | | 90 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 31.5 | | ug/L | | 98 | 54 - 135 |
| Nitrobenzene | 32.0 | 28.7 | | ug/L | | 90 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.1 | | ug/L | | 97 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 31.7 | | ug/L | | 50 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 25.1 | | ug/L | | 78 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 22.9 | | ug/L | | 72 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 26.8 | | ug/L | | 84 | 50 - 120 |
| Pentachlorophenol | 64.0 | 35.5 | | ug/L | | 55 | 30 - 120 |
| Phenanthrene | 32.0 | 21.8 | | ug/L | | 68 | 59 - 120 |
| Phenol | 32.0 | 18.0 | | ug/L | | 56 | 25 - 120 |
| Pyrene | 32.0 | 25.8 | | ug/L | | 81 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 26.2 | | ug/L | | 82 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 25.3 | | ug/L | | 79 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 26.6 | | ug/L | | 83 | 64 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *87* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *60* | | *15 - 120* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *82* | | *33 - 120* |

**Lab Sample ID: 240-110815-1 MS**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 22.6 | | ug/L | | 79 | 31 - 120 |
| Acenaphthylene | ND | | 28.6 | 22.7 | | ug/L | | 80 | 27 - 120 |
| Anthracene | ND | | 28.6 | 19.2 | | ug/L | | 67 | 33 - 120 |
| Benzo[a]anthracene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 31 - 120 |
| Benzo[a]pyrene | ND | | 28.6 | 22.4 | | ug/L | | 79 | 22 - 124 |
| Benzo[b]fluoranthene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 25 - 124 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 23.6 | | ug/L | | 83 | 14 - 123 |
| Benzo[k]fluoranthene | ND | | 28.6 | 23.4 | | ug/L | | 82 | 24 - 124 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 22.9 | | ug/L | | 80 | 48 - 120 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 20.4 | | ug/L | | 72 | 45 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 23.8 | | ug/L | | 83 | 10 - 126 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.0 | | ug/L | | 73 | 44 - 120 |
| Butylbenzylphthalate | ND | | 28.6 | 22.6 | | ug/L | | 79 | 32 - 120 |
| Carbazole | ND | | 28.6 | 20.1 | | ug/L | | 70 | 15 - 159 |
| 4-Chloroaniline | ND | | 28.6 | 6.62 | | ug/L | | 23 | 10 - 162 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 26.1 | | ug/L | | 91 | 39 - 120 |
| 2-Chloronaphthalene | ND | | 28.6 | 20.6 | | ug/L | | 72 | 40 - 120 |
| 2-Chlorophenol | ND | | 28.6 | 21.9 | | ug/L | | 77 | 52 - 120 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 24.4 | | ug/L | | 85 | 42 - 120 |
| Chrysene | ND | | 28.6 | 21.2 | | ug/L | | 74 | 32 - 120 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 24.2 | | ug/L | | 85 | 16 - 124 |
| Dibenzofuran | ND | | 28.6 | 22.2 | | ug/L | | 78 | 40 - 120 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 18.6 | | ug/L | | 65 | 41 - 120 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 18.3 | | ug/L | | 64 | 38 - 120 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 18.3 | | ug/L | | 64 | 39 - 120 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 29.5 | | ug/L | | 52 | 10 - 121 |
| 2,4-Dichlorophenol | ND | | 28.6 | 25.2 | | ug/L | | 88 | 43 - 120 |
| Diethyl phthalate | ND | | 28.6 | 27.1 | | ug/L | | 95 | 29 - 120 |
| 2,4-Dimethylphenol | ND | | 28.6 | 23.7 | | ug/L | | 83 | 40 - 120 |
| Dimethyl phthalate | ND | | 28.6 | 22.1 | | ug/L | | 77 | 32 - 120 |
| Di-n-butyl phthalate | ND | | 28.6 | 21.8 | | ug/L | | 76 | 34 - 120 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 50.2 | | ug/L | | 88 | 25 - 120 |
| 2,4-Dinitrophenol | ND | | 57.1 | 47.5 | | ug/L | | 83 | 10 - 120 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 25.1 | | ug/L | | 88 | 54 - 120 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 24.7 | | ug/L | | 86 | 55 - 120 |
| Di-n-octyl phthalate | ND | | 28.6 | 27.8 | | ug/L | | 97 | 13 - 134 |
| Fluoranthene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 34 - 120 |
| Fluorene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 34 - 120 |
| Hexachlorobenzene | ND | | 28.6 | 18.8 | | ug/L | | 66 | 42 - 120 |
| Hexachlorobutadiene | ND | | 28.6 | 22.3 | | ug/L | | 78 | 29 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110815-1 MS**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | ND | | 28.6 | 19.6 | | ug/L | | 69 | 17 - 120 |
| Hexachloroethane | ND | | 28.6 | 18.4 | | ug/L | | 64 | 16 - 120 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 24.0 | | ug/L | | 84 | 16 - 125 |
| Isophorone | ND | | 28.6 | 23.6 | | ug/L | | 82 | 48 - 120 |
| 2-Methylnaphthalene | ND | | 28.6 | 21.0 | | ug/L | | 73 | 30 - 120 |
| 2-Methylphenol | ND | | 28.6 | 21.8 | | ug/L | | 76 | 47 - 120 |
| 3 & 4 Methylphenol | ND | | 28.6 | 22.0 | | ug/L | | 77 | 44 - 120 |
| Naphthalene | ND | | 28.6 | 20.8 | | ug/L | | 73 | 19 - 120 |
| 2-Nitroaniline | ND | | 28.6 | 27.5 | | ug/L | | 96 | 45 - 120 |
| 3-Nitroaniline | ND | | 28.6 | 22.4 | | ug/L | | 78 | 10 - 177 |
| 4-Nitroaniline | ND | | 28.6 | 26.5 | | ug/L | | 93 | 12 - 131 |
| Nitrobenzene | ND | | 28.6 | 24.6 | | ug/L | | 86 | 39 - 120 |
| 2-Nitrophenol | ND | | 28.6 | 27.3 | | ug/L | | 95 | 51 - 120 |
| 4-Nitrophenol | ND | | 57.1 | 35.2 | | ug/L | | 62 | 13 - 120 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 21.0 | | ug/L | | 74 | 47 - 120 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 17.7 | | ug/L | | 62 | 45 - 120 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 21.8 | | ug/L | | 76 | 41 - 120 |
| Pentachlorophenol | ND | | 57.1 | 33.7 | | ug/L | | 59 | 29 - 120 |
| Phenanthrene | ND | | 28.6 | 19.0 | | ug/L | | 67 | 33 - 120 |
| Phenol | ND | | 28.6 | 16.6 | | ug/L | | 58 | 24 - 120 |
| Pyrene | ND | | 28.6 | 22.0 | | ug/L | | 77 | 36 - 120 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 21.9 | | ug/L | | 76 | 40 - 120 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 22.0 | | ug/L | | 77 | 49 - 120 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 24.5 | | ug/L | | 86 | 47 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *90* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *92* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *62* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *83* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *33 - 120* |

**Lab Sample ID: 240-110815-1 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 28.6 | 22.6 | | ug/L | | 79 | 31 - 120 | 0 | 35 |
| Acenaphthylene | ND | | 28.6 | 23.1 | | ug/L | | 81 | 27 - 120 | 2 | 35 |
| Anthracene | ND | | 28.6 | 19.8 | | ug/L | | 69 | 33 - 120 | 3 | 35 |
| Benzo[a]anthracene | ND | | 28.6 | 21.7 | | ug/L | | 76 | 31 - 120 | 1 | 35 |
| Benzo[a]pyrene | ND | | 28.6 | 23.1 | | ug/L | | 81 | 22 - 124 | 3 | 35 |
| Benzo[b]fluoranthene | ND | | 28.6 | 24.6 | | ug/L | | 86 | 25 - 124 | 3 | 35 |
| Benzo[g,h,i]perylene | ND | | 28.6 | 25.0 | | ug/L | | 87 | 14 - 123 | 6 | 35 |
| Benzo[k]fluoranthene | ND | | 28.6 | 24.3 | | ug/L | | 85 | 24 - 124 | 4 | 35 |
| Bis(2-chloroethoxy)methane | ND | | 28.6 | 23.6 | | ug/L | | 83 | 48 - 120 | 3 | 29 |
| Bis(2-chloroethyl)ether | ND | | 28.6 | 20.7 | | ug/L | | 72 | 45 - 120 | 1 | 31 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110815-1 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | ND | | 28.6 | 24.8 | | ug/L | | 87 | 10 - 126 | 4 | 35 |
| 4-Bromophenyl phenyl ether | ND | | 28.6 | 21.1 | | ug/L | | 74 | 44 - 120 | 0 | 32 |
| Butylbenzylphthalate | ND | | 28.6 | 23.0 | | ug/L | | 81 | 32 - 120 | 2 | 35 |
| Carbazole | ND | | 28.6 | 20.4 | | ug/L | | 72 | 15 - 159 | 2 | 33 |
| 4-Chloroaniline | ND | | 28.6 | 4.71 | | ug/L | | 16 | 10 - 162 | 34 | 35 |
| 4-Chloro-3-methylphenol | ND | | 28.6 | 26.0 | | ug/L | | 91 | 39 - 120 | 0 | 31 |
| 2-Chloronaphthalene | ND | | 28.6 | 21.0 | | ug/L | | 74 | 40 - 120 | 2 | 35 |
| 2-Chlorophenol | ND | | 28.6 | 23.5 | | ug/L | | 82 | 52 - 120 | 7 | 33 |
| 4-Chlorophenyl phenyl ether | ND | | 28.6 | 24.2 | | ug/L | | 85 | 42 - 120 | 1 | 33 |
| Chrysene | ND | | 28.6 | 21.6 | | ug/L | | 76 | 32 - 120 | 2 | 35 |
| Dibenz(a,h)anthracene | ND | | 28.6 | 25.2 | | ug/L | | 88 | 16 - 124 | 4 | 35 |
| Dibenzofuran | ND | | 28.6 | 22.1 | | ug/L | | 78 | 40 - 120 | 0 | 35 |
| 1,2-Dichlorobenzene | ND | | 28.6 | 18.8 | | ug/L | | 66 | 41 - 120 | 1 | 24 |
| 1,3-Dichlorobenzene | ND | | 28.6 | 18.3 | | ug/L | | 64 | 38 - 120 | 0 | 26 |
| 1,4-Dichlorobenzene | ND | | 28.6 | 18.6 | | ug/L | | 65 | 39 - 120 | 1 | 26 |
| 3,3'-Dichlorobenzidine | ND | | 57.1 | 32.3 | | ug/L | | 57 | 10 - 121 | 9 | 35 |
| 2,4-Dichlorophenol | ND | | 28.6 | 26.5 | | ug/L | | 93 | 43 - 120 | 5 | 35 |
| Diethyl phthalate | ND | | 28.6 | 25.8 | | ug/L | | 90 | 29 - 120 | 5 | 35 |
| 2,4-Dimethylphenol | ND | | 28.6 | 23.8 | | ug/L | | 83 | 40 - 120 | 1 | 29 |
| Dimethyl phthalate | ND | | 28.6 | 22.3 | | ug/L | | 78 | 32 - 120 | 1 | 35 |
| Di-n-butyl phthalate | ND | | 28.6 | 22.7 | | ug/L | | 79 | 34 - 120 | 4 | 35 |
| 4,6-Dinitro-2-methylphenol | ND | | 57.1 | 52.3 | | ug/L | | 92 | 25 - 120 | 4 | 29 |
| 2,4-Dinitrophenol | ND | | 57.1 | 49.3 | | ug/L | | 86 | 10 - 120 | 4 | 31 |
| 2,4-Dinitrotoluene | ND | | 28.6 | 25.0 | | ug/L | | 88 | 54 - 120 | 0 | 25 |
| 2,6-Dinitrotoluene | ND | | 28.6 | 23.9 | | ug/L | | 84 | 55 - 120 | 3 | 26 |
| Di-n-octyl phthalate | ND | | 28.6 | 29.2 | | ug/L | | 102 | 13 - 134 | 5 | 35 |
| Fluoranthene | ND | | 28.6 | 22.4 | | ug/L | | 78 | 34 - 120 | 4 | 35 |
| Fluorene | ND | | 28.6 | 22.5 | | ug/L | | 79 | 34 - 120 | 1 | 35 |
| Hexachlorobenzene | ND | | 28.6 | 19.0 | | ug/L | | 67 | 42 - 120 | 1 | 33 |
| Hexachlorobutadiene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 29 - 120 | 0 | 35 |
| Hexachlorocyclopentadiene | ND | | 28.6 | 19.7 | | ug/L | | 69 | 17 - 120 | 0 | 33 |
| Hexachloroethane | ND | | 28.6 | 18.6 | | ug/L | | 65 | 16 - 120 | 1 | 35 |
| Indeno[1,2,3-cd]pyrene | ND | | 28.6 | 25.0 | | ug/L | | 88 | 16 - 125 | 4 | 35 |
| Isophorone | ND | | 28.6 | 24.8 | | ug/L | | 87 | 48 - 120 | 5 | 28 |
| 2-Methylnaphthalene | ND | | 28.6 | 21.5 | | ug/L | | 75 | 30 - 120 | 2 | 35 |
| 2-Methylphenol | ND | | 28.6 | 22.6 | | ug/L | | 79 | 47 - 120 | 3 | 30 |
| 3 & 4 Methylphenol | ND | | 28.6 | 22.9 | | ug/L | | 80 | 44 - 120 | 4 | 27 |
| Naphthalene | ND | | 28.6 | 21.4 | | ug/L | | 75 | 19 - 120 | 3 | 35 |
| 2-Nitroaniline | ND | | 28.6 | 27.7 | | ug/L | | 97 | 45 - 120 | 1 | 28 |
| 3-Nitroaniline | ND | | 28.6 | 20.7 | | ug/L | | 73 | 10 - 177 | 8 | 35 |
| 4-Nitroaniline | ND | | 28.6 | 26.4 | | ug/L | | 93 | 12 - 131 | 0 | 35 |
| Nitrobenzene | ND | | 28.6 | 25.0 | | ug/L | | 88 | 39 - 120 | 2 | 30 |
| 2-Nitrophenol | ND | | 28.6 | 27.9 | | ug/L | | 98 | 51 - 120 | 2 | 29 |
| 4-Nitrophenol | ND | | 57.1 | 31.3 | | ug/L | | 55 | 13 - 120 | 12 | 30 |
| N-Nitrosodi-n-propylamine | ND | | 28.6 | 22.7 | | ug/L | | 79 | 47 - 120 | 7 | 33 |
| N-Nitrosodiphenylamine | ND | | 28.6 | 19.0 | | ug/L | | 66 | 45 - 120 | 7 | 26 |
| 2,2'-oxybis[1-chloropropane] | ND | | 28.6 | 23.3 | | ug/L | | 82 | 41 - 120 | 7 | 33 |
| Pentachlorophenol | ND | | 57.1 | 34.1 | | ug/L | | 60 | 29 - 120 | 1 | 31 |
| Phenanthrene | ND | | 28.6 | 19.4 | | ug/L | | 68 | 33 - 120 | 2 | 35 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110815-1 MSD**
**Matrix: Water**
**Analysis Batch: 376831**

**Client Sample ID: SW-041019-AG-021**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phenol | ND | | 28.6 | 16.1 | | ug/L | | 56 | 24 - 120 | 3 | 35 |
| Pyrene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 36 - 120 | 1 | 35 |
| 1,2,4-Trichlorobenzene | ND | | 28.6 | 22.2 | | ug/L | | 78 | 40 - 120 | 1 | 26 |
| 2,4,5-Trichlorophenol | ND | | 28.6 | 22.0 | | ug/L | | 77 | 49 - 120 | 0 | 30 |
| 2,4,6-Trichlorophenol | ND | | 28.6 | 25.0 | | ug/L | | 87 | 47 - 120 | 2 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *83* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *89* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *95* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *60* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *85* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *80* | | *33 - 120* |

# QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National Superfund Site-SW

Job ID: 240-110815-1

## GC/MS VOA

### Analysis Batch: 377223

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110815-1 | SW-041019-AG-021 | Total/NA | Water | 8260C | |
| 240-110815-2 | SW-041019-AG-023 | Total/NA | Water | 8260C | |
| 240-110815-3 | FB-041019-AG-025 | Total/NA | Water | 8260C | |
| MB 240-377223/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377223/5 | Lab Control Sample | Total/NA | Water | 8260C | |
| 240-110815-1 MS | SW-041019-AG-021 | Total/NA | Water | 8260C | |
| 240-110815-1 MSD | SW-041019-AG-021 | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110815-1 | SW-041019-AG-021 | Total/NA | Water | 3510C | |
| 240-110815-2 | SW-041019-AG-023 | Total/NA | Water | 3510C | |
| 240-110815-3 | FB-041019-AG-025 | Total/NA | Water | 3510C | |
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 240-110815-1 MS | SW-041019-AG-021 | Total/NA | Water | 3510C | |
| 240-110815-1 MSD | SW-041019-AG-021 | Total/NA | Water | 3510C | |

### Analysis Batch: 376831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110815-1 | SW-041019-AG-021 | Total/NA | Water | 8270D | 376702 |
| 240-110815-2 | SW-041019-AG-023 | Total/NA | Water | 8270D | 376702 |
| 240-110815-3 | FB-041019-AG-025 | Total/NA | Water | 8270D | 376702 |
| 240-110815-1 MS | SW-041019-AG-021 | Total/NA | Water | 8270D | 376702 |
| 240-110815-1 MSD | SW-041019-AG-021 | Total/NA | Water | 8270D | 376702 |

### Analysis Batch: 377069

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 8270D | 376702 |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 8270D | 376702 |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

## Client Sample ID: SW-041019-AG-021
**Lab Sample ID: 240-110815-1**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/18/19 23:29 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 17:15 | TMH | TAL CAN |

## Client Sample ID: SW-041019-AG-023
**Lab Sample ID: 240-110815-2**
**Date Collected: 04/10/19 12:50**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/19/19 00:58 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 18:28 | TMH | TAL CAN |

## Client Sample ID: FB-041019-AG-025
**Lab Sample ID: 240-110815-3**
**Date Collected: 04/10/19 13:25**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/19/19 01:20 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 18:53 | TMH | TAL CAN |

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110815-1
Project/Site: Summit National Superfund Site-SW

## Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

# Chain of Custody Record

320896

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

| Client Contact | Project Manager: MEGAN GIBSON | Site Contact: SNFT | Date: 4/10/19 | COC No: 320896 |
|---|---|---|---|---|
| Company Name: EAGON + ASSOCIATES, INC. | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER | 1 of 1 COCs |
| Address: 100 W OLD WILSON BRIDGE RD, STE 115 | Analysis Turnaround Time | | | Sampler: AG |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below ____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL - SW | ☐ 1 week | | | Job / SDG No.: |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | |
| P O # — | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS / MSD (Y/N) | TCL VOCs | TCL SVOCs | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| SW-041019-AG-021 | 4/10/19 | 1250 | G | W | 5 | N | Y | X | X | |
| SW-041019-AG-023 | 4/10/19 | 1250 | G | W | 5 | N | N | X | X | |
| FB-041019-AG-025 | 4/10/19 | 1325 | G | W | 5 | N | N | X | X | |
| SW-041019-AG-021MS | 4/10/19 | 1250 | G | W | 5 | N | N | X | X | MS FOR 021 |
| SW-041019-AG-021-MSD | 4/10/19 | 1250 | G | W | 5 | N | N | X | X | MSD FOR 021 |
| | | | | | | | | | | |
| TRIP BLANK | — | — | — | W | 2 | N | N | X | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

240-110815 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____ 1,2 1

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

**Special Instructions/QC Requirements & Comments:**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ | Therm ID No.: ____

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KARROW | EAGON & ASSOCIATES, INC | 4/10/19 @1715 | RC | TAL 240 | 4/10/19-1715 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| R-Kobe | TAL 4/10/19 | 1822 | | TAL | 04/11/19 800 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |



10/23/2019 (Rev. 1)

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # : 110815**
**Canton Facility**

Client Eagon + Associates Site Name _____ Cooler unpacked by: DSD

Cooler Received on 04/11/19 Opened on 04/11/19

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

**Receipt After-hours**: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 each | Yes | No |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes | No NA |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes | No |
| -Were tamper/custody seals intact and uncompromised? | Yes | No NA |
| 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 all preserved sample(s) at the correct pH upon receipt? | Yes | No NA pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | Yes | No |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No NA |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ | Yes | No |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes | No |

**Tests that are not checked for pH by Receiving:**

**VOAs**
**Oil and Grease**
**TOC**

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** Samples processed by: DSD

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110815

| TestAmerica Canton Sample Receipt Multiple Cooler Form | | | | |
|---|---|---|---|---|
| **Cooler Description (Circle)** | **IR Gun # (Circle)** | **Observed Temp °C** | **Corrected Temp °C** | **Coolant (Circle)** |
| **TA** Client Box Other | **IR-8** #36 | 1.6 | 1.4 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 2.0 | 1.8 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 1.4 | 1.2 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 0.8 | 0.6 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 2.4 | 2.2 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 1.2 | 1.0 | **Wet Ice** Blue Ice Dry Ice Water None |
| **TA** Client Box Other | **IR-8** #36 | 0.6 | 0.4 | **Wet Ice** Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| | | | | ☐ See Temperature Excursion Form |

*WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers*

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: S¾E Ditch 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 [ ] 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-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 12 50 | | 6.48 | 814 | 12.1 | 2.31 | |

**FIELD COMMENTS**

Sample Appearance: Clear Odor: None Color: slt. Cloudy Other: —

Weather Conditions (at sample time): Wind Speed/Direction: 25-15mph / N Air Temp: ~45°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Surface water samples collected by submerging sample bottles ~2" below water surface near confluence of S¾E Ditches.

Sample I.D. #'s SW-041019-AG-021

SW-041019-AG-021 MS

SW-041019-AG-021 MSD

Samples Collected TCL VOCs, TCL SVOCs

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/10/19 Date | Andrew D. Graham Name | Signature | EACOM & Associates, Inc. Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** SE Ditch Surface Water Dup

## WELL DATA

**Water-Level Date** (MM DD YY)

**Water-Level Time** (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 [ ]

Pump Type (Vol) [ ] A-P1200M (495 ml) B-P1101M (395 ml) C-P1150 (130 ml) X-Other

X-Other

Tubing ID (Vol/Ft) [ ] A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 1250 | | 6.53 | 810 | 12.1 | 19.8 | |

**Sample Appearance:** Clear Odor: None Color: Slt. Cloudy Other: —

**Weather Conditions** (at sample time): Wind Speed/Direction: ~5-15 mph / N Air Temp: ~45°F Precipitation: Y or (N)

## FIELD COMMENTS

**Specific Comments** (including purge/well volume calculations if required):

"Dup" sample was collected at the same time and method as the original samples.

Sample ID # SW-041019-AG-023

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 |
|---|---|---|---|
| 4,10,19 | Andrew D. Graham | | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: S&E Ditch 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 [ ] A-Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

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

X-Other

Tubing ID (Vol/Ft) [ ] A-3/8 inch (22 ml/ft) B-1/4 inch (10 ml/ft) C-1/8 inch (2.4 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1325 | | 5.43 | 272 | 13.7 | 3.68 | |

## FIELD COMMENTS

**Sample Appearance:** Clear Odor: None Color: None Other: —

**Weather Conditions** (at sample time): Wind Speed/Direction: ~5-15mph/N Air Temp: ~50°F Precipitation: Y or (N)

**Specific Comments** (including purge/well volume calculations if required): Field blank was collected by pouring laboratory-supplied Deionized water directly into sample containers near well MW-113 near S&E Ditch.

Sample ID FB-041019-AG-025

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 |
|---|---|---|---|
| 4/10/19 | Andrew D. Graham | | Kagon & Associates, Inc. |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD METER CALIBRATION RECORD

Project Name: *Summit National Superfund Site* Sampler(s): A. Graham

**pH Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Buffer Brand/Expiration: pH 4 IE / 10-20-20 ; pH 7 IE / 11-3-20 ; 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) |
|---|---|---|---|---|---|---|
| 4/10/19 | 1234 | Calibrate | 4.01 | 7.02 | — | 13.0 |

**Conductivity/Temp. Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Cond. Solution Brand/Expiration: IE / 11-2-19 Cond. Solution Value (@ 25 °C): 1413 / 4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1232 | Calibrate | 1413 / 4460 | 14.1 / 18.7 | |

**Turbidity Meter(s):** Make/Model/Serial No.: HACH 2100P / 08030C028697

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1240 | check | 4.55 | 4.68 | |

Sampler (Name): Andrew D. Graham Sampler (Signature):

# S&E DITCH SEDIMENT SAMPLING RESULTS

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

Eurofins TestAmerica, Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-110816-1
Client Project/Site: Summit National Superfund Site-Sediment
Revision: 1

For:
Eagon & Associates, Inc.
100 Old Wilson Bridge Road
Suite 115
Worthington, Ohio 43085

Attn: Mr. Mike Gibson

Patrick O'Meara

*Authorized for release by:*
*10/23/2019 6:53:41 PM*

Patrick O'Meara, Manager of Project Management
(330)966-5725
patrick.omeara@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| * | ISTD response or retention time outside acceptable limits |
| F2 | MS/MSD RPD exceeds control limits |
| F4 | MS/MSD RPD exceeds control limits due to sample size difference. |

### 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. |

## 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110816-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-Sediment

## Report Number: 240-110816-1

## Revised

Revision 10/23/2019: Added the cis and trans 1,2-DCE isomer results to the report.

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/11/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.4º C, 0.6º C, 1.0º C, 1.2º C, 1.4º C, 1.8º C and 2.2º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples SD-041019-AG-027 (240-110816-1) and SD-041019-AG-029 (240-110816-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 04/11/2019 and analyzed on 04/16/2019.

Chloroform exceeded the RPD limit for the MSD of sample SD-041019-AG-027 (240-110816-1) in batch 240-376681.

Internal standard (ISTD) response for the following samples were outside control limits: SD-041019-AG-027 (240-110816-1) and SD-041019-AG-029 (240-110816-2). The samples were re-extracted and/or re-analyzed with concurring results, and the original set of data has been reported.

## Job ID: 240-110816-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Sample RB-041019-AG-031 (240-110816-3) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The sample was analyzed on 04/19/2019.

The continuing calibration verification (CCV) associated with batch 240-377223 recovered above the upper control limit for 1,1,2,2-tetrachloroethane. The following sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported: RB-041019-AG-031 (240-110816-3).

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-041019-AG-027 (240-110816-1) and SD-041019-AG-029 (240-110816-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/12/2019 and 04/18/2019 and analyzed on 04/16/2019 and 04/22/2019.

3,3'-Dichlorobenzidine and Hexachlorocyclopentadiene failed the recovery criteria low for the MS of sample SD-041019-AG-027 (240-110816-1) in batch 240-377539. 2-Methylnaphthalene and Naphthalene failed the recovery criteria high. For the MSD of sample SD-041019-AG-027 (240-110816-1) in batch 240-377539, 3,3'-Dichlorobenzidine and Hexachlorocyclopentadiene failed the recovery criteria low. 2-Methylnaphthalene failed the recovery criteria high. Also, Hexachloroethane exceeded the RPD limit.

Sample SD-041019-AG-029 (240-110816-2)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 240-376641 recovered above the upper control limit for 4-Nitrophenol. The following samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported: SD-041019-AG-027 (240-110816-1) and SD-041019-AG-029 (240-110816-2).

The target analytes 2,4-Dimethylphenol, 4-Chloro-3-methylphenol and Hexachlorocyclopentadiene had %D's in excess of method recommendations for the CCV associated with analytical batch 240-377539. A LODV was analyzed to demonstrate sensitivity for these compounds at the reporting limit for the following sample: SD-041019-AG-027 (240-110816-1).

Method 3540C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SD-041019-AG-027 (240-110816-1). The reporting limits (RLs) are elevated proportionately.

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-041019-AG-031 (240-110816-3) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The sample was prepared on 04/16/2019 and analyzed on 04/17/2019.

Diethyl phthalate was detected in method blank MB 240-376702/25-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 batch 240-376831 recovered above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Di-n-octyl phthalate, and 2-Nitroaniline, The following sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported: RB-041019-AG-031 (240-110816-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**PERCENT SOLIDS**

Samples SD-041019-AG-027 (240-110816-1) and SD-041019-AG-029 (240-110816-2) were analyzed for percent solids in accordance with ASTM Method D2216-80. The samples were analyzed on 04/12/2019.

## Job ID: 240-110816-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Method Summary

Client: Eagon & Associates, Inc. Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

| 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 |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 3540C | Soxhlet Extraction | SW846 | TAL CAN |
| 5030C | Purge and Trap | SW846 | TAL CAN |
| 5035 | Closed System Purge and Trap | SW846 | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Solid | 04/10/19 14:25 | 04/11/19 08:00 | |
| 240-110816-2 | SD-041019-AG-029 | Solid | 04/10/19 14:25 | 04/11/19 08:00 | |
| 240-110816-3 | RB-041019-AG-031 | Water | 04/10/19 15:10 | 04/11/19 08:00 | |

# Detection Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National Superfund Site-Sediment

Job ID: 240-110816-1

## Client Sample ID: SD-041019-AG-027 — Lab Sample ID: 240-110816-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 53 | | 21 | 4.8 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Benzo[a]pyrene | 57 | | 21 | 13 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 75 | | 21 | 9.1 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 180 | | 21 | 9.9 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 15 | J | 21 | 9.7 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Chrysene | 120 | | 21 | 2.1 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Dibenzofuran | 170 | | 70 | 18 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Fluoranthene | 120 | | 21 | 6.2 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Fluorene | 22 | | 21 | 3.8 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| 2-Methylnaphthalene | 740 | F1 | 21 | 2.7 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Naphthalene | 510 | F1 | 21 | 3.4 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Phenanthrene | 500 | | 21 | 3.1 | ug/Kg | 1 | ☼ | 8270D | Total/NA |
| Pyrene | 160 | | 21 | 3.0 | ug/Kg | 1 | ☼ | 8270D | Total/NA |

## Client Sample ID: SD-041019-AG-029 — Lab Sample ID: 240-110816-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Anthracene | 68 | | 53 | 8.5 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Benzo[a]anthracene | 180 | | 53 | 12 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Benzo[a]pyrene | 160 | | 53 | 33 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Benzo[b]fluoranthene | 310 | | 53 | 23 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Benzo[g,h,i]perylene | 430 | | 53 | 25 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Benzo[k]fluoranthene | 73 | | 53 | 24 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Carbazole | 120 | J | 180 | 67 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Chrysene | 330 | | 53 | 5.2 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Dibenzofuran | 830 | | 180 | 46 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Fluoranthene | 500 | | 53 | 16 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Fluorene | 90 | | 53 | 9.6 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Indeno[1,2,3-cd]pyrene | 110 | | 53 | 26 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| 2-Methylnaphthalene | 4000 | | 53 | 6.9 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Naphthalene | 1700 | | 53 | 8.5 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Phenanthrene | 1800 | | 53 | 7.8 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |
| Pyrene | 480 | | 53 | 7.5 | ug/Kg | 2.5 | ☼ | 8270D | Total/NA |

## Client Sample ID: RB-041019-AG-031 — Lab Sample ID: 240-110816-3

No Detections.

This Detection Summary does not include radiochemical test results.

**Client Sample ID: SD-041019-AG-027** **Lab Sample ID: 240-110816-1**
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 72.2**

## Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 27 | 23 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Benzene | ND | | 5.4 | 0.75 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Bromodichloromethane | ND | | 5.4 | 0.73 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Bromoform | ND | | 5.4 | 2.6 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Bromomethane | ND | | 5.4 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 2-Butanone | ND | | 21 | 3.8 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Carbon disulfide | ND | | 5.4 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Carbon tetrachloride | ND | | 5.4 | 3.5 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Chlorobenzene | ND | | 5.4 | 0.98 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Chloroethane | ND | | 5.4 | 1.3 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Chloroform | ND | F2 | 5.4 | 0.85 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Chloromethane | ND | | 5.4 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.4 | 1.5 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Dibromochloromethane | ND | | 5.4 | 3.0 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,1-Dichloroethane | ND | | 5.4 | 0.74 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,2-Dichloroethane | ND | | 5.4 | 0.83 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,1-Dichloroethene | ND | | 5.4 | 0.97 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,2-Dichloroethene, Total | ND | | 11 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,2-Dichloropropane | ND | | 5.4 | 0.91 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Ethylbenzene | ND | | 5.4 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 2-Hexanone | ND | | 21 | 4.4 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Methylene Chloride | ND | | 27 | 13 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 4-Methyl-2-pentanone | ND | | 21 | 4.0 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Styrene | ND | | 5.4 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | * | 5.4 | 1.5 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Tetrachloroethene | ND | | 5.4 | 0.78 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Toluene | ND | | 5.4 | 0.83 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.4 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,1,1-Trichloroethane | ND | | 5.4 | 0.88 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.4 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Trichloroethene | ND | | 5.4 | 0.68 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Vinyl chloride | ND | | 5.4 | 0.90 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| Xylenes, Total | ND | | 11 | 1.7 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.4 | 0.50 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.4 | 0.70 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 20:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | * | *49 - 141* | *04/11/19 16:55* | *04/16/19 20:37* | *1* |
| *Dibromofluoromethane (Surr)* | *89* | | *49 - 132* | *04/11/19 16:55* | *04/16/19 20:37* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *48 - 123* | *04/11/19 16:55* | *04/16/19 20:37* | *1* |
| *Toluene-d8 (Surr)* | *110* | | *62 - 135* | *04/11/19 16:55* | *04/16/19 20:37* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 21 | 4.0 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Acenaphthylene | ND | | 21 | 5.6 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Anthracene | ND | | 21 | 3.4 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Benzo[a]anthracene** | **53** | | 21 | 4.8 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Benzo[a]pyrene** | **57** | | 21 | 13 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Benzo[b]fluoranthene** | **75** | | 21 | 9.1 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |

**Client Sample ID: SD-041019-AG-027** **Lab Sample ID: 240-110816-1**
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 72.2**

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[g,h,i]perylene** | **180** | | 21 | 9.9 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Benzo[k]fluoranthene** | **15** | **J** | 21 | 9.7 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 140 | 17 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Bis(2-chloroethyl)ether | ND | | 140 | 17 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 98 | 71 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 70 | 20 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Butylbenzylphthalate | ND | | 98 | 31 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Carbazole | ND | | 70 | 27 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Chloroaniline | ND | | 210 | 42 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Chloro-3-methylphenol | ND | | 210 | 63 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2-Chloronaphthalene | ND | | 70 | 20 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2-Chlorophenol | ND | | 70 | 14 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 70 | 20 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Chrysene** | **120** | | 21 | 2.1 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Dibenz(a,h)anthracene | ND | | 21 | 9.7 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Dibenzofuran** | **170** | | 70 | 18 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 1,2-Dichlorobenzene | ND | | 70 | 14 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 1,3-Dichlorobenzene | ND | | 70 | 13 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 1,4-Dichlorobenzene | ND | | 70 | 13 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 3,3'-Dichlorobenzidine | ND | F1 | 140 | 60 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4-Dichlorophenol | ND | | 210 | 61 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Diethyl phthalate | ND | | 98 | 43 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4-Dimethylphenol | ND | | 210 | 56 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Dimethyl phthalate | ND | | 98 | 20 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Di-n-butyl phthalate | ND | | 98 | 31 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 460 | 110 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4-Dinitrophenol | ND | | 460 | 200 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4-Dinitrotoluene | ND | | 280 | 87 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,6-Dinitrotoluene | ND | | 280 | 78 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Di-n-octyl phthalate | ND | | 98 | 39 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Fluoranthene** | **120** | | 21 | 6.2 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Fluorene** | **22** | | 21 | 3.8 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Hexachlorobenzene | ND | | 21 | 4.0 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Hexachlorobutadiene | ND | | 70 | 17 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Hexachlorocyclopentadiene | ND | F1 | 460 | 87 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Hexachloroethane | ND | F2 | 70 | 13 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 21 | 10 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Isophorone | ND | | 70 | 17 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **2-Methylnaphthalene** | **740** | **F1** | 21 | 2.7 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2-Methylphenol | ND | | 280 | 43 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 3 & 4 Methylphenol | ND | | 560 | 40 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Naphthalene** | **510** | **F1** | 21 | 3.4 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2-Nitroaniline | ND | | 280 | 56 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 3-Nitroaniline | ND | | 280 | 68 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Nitroaniline | ND | | 280 | 84 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Nitrobenzene | ND | | 140 | 18 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2-Nitrophenol | ND | | 70 | 18 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 4-Nitrophenol | ND | | 460 | 130 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 70 | 15 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |

**Client Sample ID: SD-041019-AG-027** **Lab Sample ID: 240-110816-1**
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 72.2**

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 70 | 17 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 140 | 14 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Pentachlorophenol | ND | | 210 | 81 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Phenanthrene** | **500** | | 21 | 3.1 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| Phenol | ND | | 70 | 11 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| **Pyrene** | **160** | | 21 | 3.0 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 70 | 13 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4,5-Trichlorophenol | ND | | 210 | 96 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |
| 2,4,6-Trichlorophenol | ND | | 210 | 89 | ug/Kg | ☼ | 04/18/19 11:28 | 04/22/19 12:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *71* | | *32 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |
| *2-Fluorophenol (Surr)* | *70* | | *29 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |
| *Nitrobenzene-d5 (Surr)* | *61* | | *30 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |
| *Phenol-d5 (Surr)* | *75* | | *29 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |
| *Terphenyl-d14 (Surr)* | *95* | | *41 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *10 - 120* | *04/18/19 11:28* | *04/22/19 12:56* | *1* |

## General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Solids** | **72.2** | | 0.1 | 0.1 | % | | | 04/12/19 11:15 | 1 |

**Client Sample ID: SD-041019-AG-029** **Lab Sample ID: 240-110816-2**
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 71.1**

## Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 30 | 25 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Benzene | ND | | 5.9 | 0.82 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Bromodichloromethane | ND | | 5.9 | 0.80 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Bromoform | ND | | 5.9 | 2.8 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Bromomethane | ND | | 5.9 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 2-Butanone | ND | | 24 | 4.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Carbon disulfide | ND | | 5.9 | 1.4 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Carbon tetrachloride | ND | | 5.9 | 3.8 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Chlorobenzene | ND | | 5.9 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Chloroethane | ND | | 5.9 | 1.4 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Chloroform | ND | | 5.9 | 0.93 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Chloromethane | ND | | 5.9 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.9 | 1.7 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Dibromochloromethane | ND | | 5.9 | 3.3 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,1-Dichloroethane | ND | | 5.9 | 0.82 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,2-Dichloroethane | ND | | 5.9 | 0.91 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,1-Dichloroethene | ND | | 5.9 | 1.1 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,2-Dichloroethene, Total | ND | | 12 | 1.3 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,2-Dichloropropane | ND | | 5.9 | 1.0 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Ethylbenzene | ND | | 5.9 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 2-Hexanone | ND | | 24 | 4.8 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Methylene Chloride | ND | | 30 | 14 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 4-Methyl-2-pentanone | ND | | 24 | 4.4 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Styrene | ND | | 5.9 | 1.4 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | * | 5.9 | 1.7 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Tetrachloroethene | ND | | 5.9 | 0.86 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Toluene | ND | | 5.9 | 0.91 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.9 | 1.2 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 5.9 | 0.97 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.9 | 1.3 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Trichloroethene | ND | | 5.9 | 0.75 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Vinyl chloride | ND | | 5.9 | 0.99 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| Xylenes, Total | ND | | 12 | 1.9 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.9 | 0.55 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.9 | 0.77 | ug/Kg | ☼ | 04/11/19 16:55 | 04/16/19 21:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | * | *49 - 141* | *04/11/19 16:55* | *04/16/19 21:44* | *1* |
| *Dibromofluoromethane (Surr)* | *85* | | *49 - 132* | *04/11/19 16:55* | *04/16/19 21:44* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *74* | | *48 - 123* | *04/11/19 16:55* | *04/16/19 21:44* | *1* |
| *Toluene-d8 (Surr)* | *112* | | *62 - 135* | *04/11/19 16:55* | *04/16/19 21:44* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 53 | 10 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Acenaphthylene | ND | | 53 | 14 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Anthracene** | **68** | | 53 | 8.5 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Benzo[a]anthracene** | **180** | | 53 | 12 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Benzo[a]pyrene** | **160** | | 53 | 33 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Benzo[b]fluoranthene** | **310** | | 53 | 23 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |

**Client Sample ID: SD-041019-AG-029** **Lab Sample ID: 240-110816-2**
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 71.1**

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzo[g,h,i]perylene** | **430** | | 53 | 25 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Benzo[k]fluoranthene** | **73** | | 53 | 24 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Bis(2-chloroethoxy)methane | ND | | 350 | 42 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Bis(2-chloroethyl)ether | ND | | 350 | 42 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Bis(2-ethylhexyl) phthalate | ND | | 250 | 180 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Bromophenyl phenyl ether | ND | | 180 | 49 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Butylbenzylphthalate | ND | | 250 | 77 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Carbazole** | **120** | **J** | 180 | 67 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Chloroaniline | ND | | 530 | 110 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Chloro-3-methylphenol | ND | | 530 | 160 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2-Chloronaphthalene | ND | | 180 | 49 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2-Chlorophenol | ND | | 180 | 35 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Chlorophenyl phenyl ether | ND | | 180 | 49 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Chrysene** | **330** | | 53 | 5.2 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Dibenz(a,h)anthracene | ND | | 53 | 24 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Dibenzofuran** | **830** | | 180 | 46 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 1,2-Dichlorobenzene | ND | | 180 | 35 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 1,3-Dichlorobenzene | ND | | 180 | 32 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 1,4-Dichlorobenzene | ND | | 180 | 32 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 3,3'-Dichlorobenzidine | ND | | 350 | 150 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4-Dichlorophenol | ND | | 530 | 150 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Diethyl phthalate | ND | | 250 | 110 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4-Dimethylphenol | ND | | 530 | 140 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Dimethyl phthalate | ND | | 250 | 49 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Di-n-butyl phthalate | ND | | 250 | 77 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4,6-Dinitro-2-methylphenol | ND | | 1200 | 280 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4-Dinitrophenol | ND | | 1200 | 500 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4-Dinitrotoluene | ND | | 700 | 220 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,6-Dinitrotoluene | ND | | 700 | 200 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Di-n-octyl phthalate | ND | | 250 | 99 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Fluoranthene** | **500** | | 53 | 16 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Fluorene** | **90** | | 53 | 9.6 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Hexachlorobenzene | ND | | 53 | 10 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Hexachlorobutadiene | ND | | 180 | 42 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Hexachlorocyclopentadiene | ND | | 1200 | 220 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Hexachloroethane | ND | | 180 | 32 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Indeno[1,2,3-cd]pyrene** | **110** | | 53 | 26 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Isophorone | ND | | 180 | 42 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **2-Methylnaphthalene** | **4000** | | 53 | 6.9 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2-Methylphenol | ND | | 700 | 110 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 3 & 4 Methylphenol | ND | | 1400 | 100 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Naphthalene** | **1700** | | 53 | 8.5 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2-Nitroaniline | ND | | 700 | 140 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 3-Nitroaniline | ND | | 700 | 170 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Nitroaniline | ND | | 700 | 210 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Nitrobenzene | ND | | 350 | 46 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2-Nitrophenol | ND | | 180 | 46 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 4-Nitrophenol | ND | | 1200 | 330 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| N-Nitrosodi-n-propylamine | ND | | 180 | 39 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

**Client Sample ID: SD-041019-AG-029**
**Lab Sample ID: 240-110816-2**
**Date Collected: 04/10/19 14:25**
**Matrix: Solid**
**Date Received: 04/11/19 08:00**
**Percent Solids: 71.1**

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 180 | 42 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,2'-oxybis[1-chloropropane] | ND | | 350 | 35 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Pentachlorophenol | ND | | 530 | 200 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Phenanthrene** | **1800** | | 53 | 7.8 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| Phenol | ND | | 180 | 28 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| **Pyrene** | **480** | | 53 | 7.5 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 1,2,4-Trichlorobenzene | ND | | 180 | 32 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4,5-Trichlorophenol | ND | | 530 | 240 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |
| 2,4,6-Trichlorophenol | ND | | 530 | 230 | ug/Kg | ☼ | 04/12/19 06:39 | 04/16/19 19:33 | 2.5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *95* | | *32 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |
| *2-Fluorophenol (Surr)* | *89* | | *29 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |
| *Nitrobenzene-d5 (Surr)* | *86* | | *30 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |
| *Phenol-d5 (Surr)* | *84* | | *29 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |
| *Terphenyl-d14 (Surr)* | *94* | | *41 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |
| *2,4,6-Tribromophenol (Surr)* | *88* | | *10 - 120* | *04/12/19 06:39* | *04/16/19 19:33* | *2.5* |

## General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Solids** | **71.1** | | 0.1 | 0.1 | % | | | 04/12/19 11:15 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

**Client Sample ID: RB-041019-AG-031**
**Lab Sample ID: 240-110816-3**
**Date Collected: 04/10/19 15:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

## Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/19/19 02:05 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 02:05 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 02:05 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/19/19 02:05 | 1 |
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/19/19 02:05 | 1 |
| 2-Butanone | ND | | 10 | 1.2 | ug/L | | | 04/19/19 02:05 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/19/19 02:05 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/19/19 02:05 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 02:05 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/19/19 02:05 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 02:05 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 02:05 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/19/19 02:05 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 02:05 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/19/19 02:05 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/19/19 02:05 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/19/19 02:05 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/19/19 02:05 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/19/19 02:05 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/19/19 02:05 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/19/19 02:05 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/19/19 02:05 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/19/19 02:05 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/19/19 02:05 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/19/19 02:05 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/19/19 02:05 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/19/19 02:05 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/19/19 02:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *59 - 120* | | *04/19/19 02:05* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/19/19 02:05* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *70 - 121* | | *04/19/19 02:05* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 123* | | *04/19/19 02:05* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Acenaphthylene | ND | | 0.18 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Anthracene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Benzo[a]anthracene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Benzo[a]pyrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Benzo[b]fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

**Client Sample ID: RB-041019-AG-031**
**Lab Sample ID: 240-110816-3**
**Date Collected: 04/10/19 15:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Benzo[k]fluoranthene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 0.89 | 0.41 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Bis(2-chloroethyl)ether | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 1.8 | 0.45 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Butylbenzylphthalate | ND | | 1.8 | 0.59 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Carbazole | ND | | 0.89 | 0.44 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Chloroaniline | ND | | 1.8 | 0.28 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Chloro-3-methylphenol | ND | | 1.8 | 0.26 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Chloronaphthalene | ND | | 0.89 | 0.43 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Chlorophenol | ND | | 0.89 | 0.24 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 1.8 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Chrysene | ND | | 0.18 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.18 | 0.13 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Dibenzofuran | ND | | 0.89 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.89 | 0.36 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.89 | 0.30 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 4.5 | 1.0 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4-Dichlorophenol | ND | | 1.8 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Diethyl phthalate | ND | | 4.5 | 3.4 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4-Dimethylphenol | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Dimethyl phthalate | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Di-n-butyl phthalate | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 4.5 | 2.5 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4-Dinitrophenol | ND | | 8.9 | 5.5 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4-Dinitrotoluene | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,6-Dinitrotoluene | ND | | 4.5 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Di-n-octyl phthalate | ND | | 1.8 | 0.73 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Fluoranthene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Fluorene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Hexachlorobenzene | ND | | 0.18 | 0.14 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Hexachlorobutadiene | ND | | 0.89 | 0.48 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Hexachlorocyclopentadiene | ND | | 8.9 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Hexachloroethane | ND | | 0.89 | 0.35 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.18 | 0.12 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Isophorone | ND | | 0.89 | 0.29 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Methylnaphthalene | ND | | 0.18 | 0.099 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Methylphenol | ND | | 0.89 | 0.19 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 3 & 4 Methylphenol | ND | | 1.8 | 0.17 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Naphthalene | ND | | 0.18 | 0.097 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Nitroaniline | ND | | 1.8 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 3-Nitroaniline | ND | | 1.8 | 0.51 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Nitroaniline | ND | | 1.8 | 0.82 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Nitrobenzene | ND | | 0.89 | 0.46 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2-Nitrophenol | ND | | 1.8 | 0.50 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 4-Nitrophenol | ND | | 8.9 | 1.9 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 0.89 | 0.23 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

**Client Sample ID: RB-041019-AG-031**
**Lab Sample ID: 240-110816-3**
**Date Collected: 04/10/19 15:10**
**Matrix: Water**
**Date Received: 04/11/19 08:00**

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | ND | | 0.89 | 0.39 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 0.89 | 0.49 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Pentachlorophenol | ND | | 8.9 | 2.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Phenanthrene | ND | | 0.18 | 0.15 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Phenol | ND | | 0.89 | 0.11 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| Pyrene | ND | | 0.18 | 0.16 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.89 | 0.38 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4,5-Trichlorophenol | ND | | 4.5 | 1.8 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |
| 2,4,6-Trichlorophenol | ND | | 4.5 | 1.6 | ug/L | | 04/16/19 10:48 | 04/17/19 19:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |
| *2-Fluorophenol (Surr)* | *62* | | *17 - 120* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |
| *Nitrobenzene-d5 (Surr)* | *79* | | *35 - 120* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |
| *Phenol-d5 (Surr)* | *41* | | *15 - 120* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |
| *Terphenyl-d14 (Surr)* | *82* | | *28 - 128* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *65* | | *33 - 120* | *04/16/19 10:48* | *04/17/19 19:17* | *1* |

# Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National Superfund Site-Sediment

Job ID: 240-110816-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Solid** — **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | BFB | DBFM | DCA | TOL |
| Lab Sample ID | Client Sample ID | (49-141) | (49-132) | (48-123) | (62-135) |
| 240-110816-1 | SD-041019-AG-027 | 110 * | 89 | 78 | 110 |
| 240-110816-1 MS | SD-041019-AG-027 | 86 | 88 | 80 | 91 |
| 240-110816-1 MSD | SD-041019-AG-027 | 90 | 88 | 78 | 88 |
| 240-110816-2 | SD-041019-AG-029 | 107 * | 85 | 74 | 112 |
| LCS 240-376681/5 | Lab Control Sample | 85 | 90 | 78 | 83 |
| MB 240-376681/7 | Method Blank | 82 | 88 | 81 | 86 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | DCA | TOL |
| Lab Sample ID | Client Sample ID | (59-120) | (75-128) | (70-121) | (70-123) |
| 240-110816-3 | RB-041019-AG-031 | 89 | 98 | 92 | 97 |
| LCS 240-377223/5 | Lab Control Sample | 98 | 94 | 88 | 98 |
| MB 240-377223/8 | Method Blank | 92 | 98 | 89 | 96 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 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 | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (29-120) | (30-120) | (29-120) | (41-120) | (10-120) |
| 240-110816-1 | SD-041019-AG-027 | 71 | 70 | 61 | 75 | 95 | 66 |
| 240-110816-1 MS | SD-041019-AG-027 | 69 | 73 | 67 | 73 | 93 | 72 |
| 240-110816-1 MSD | SD-041019-AG-027 | 67 | 61 | 63 | 62 | 94 | 78 |
| 240-110816-2 | SD-041019-AG-029 | 95 | 89 | 86 | 84 | 94 | 88 |
| LCS 240-376187/20-A | Lab Control Sample | 82 | 78 | 77 | 82 | 93 | 52 |
| LCS 240-377132/9-A | Lab Control Sample | 70 | 72 | 69 | 76 | 93 | 41 |
| MB 240-376187/19-A | Method Blank | 77 | 68 | 69 | 70 | 90 | 46 |
| MB 240-377132/8-A | Method Blank | 70 | 72 | 73 | 64 | 92 | 45 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

# Surrogate Summary

Client: Eagon & Associates, Inc. Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | FBP | 2FP | NBZ | PHL | TPHL | TBP |
| Lab Sample ID | Client Sample ID | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) | (33-120) |
| 240-110816-3 | RB-041019-AG-031 | 76 | 62 | 79 | 41 | 82 | 65 |
| LCS 240-376702/26-A | Lab Control Sample | 85 | 87 | 98 | 60 | 89 | 82 |
| MB 240-376702/25-A | Method Blank | 76 | 54 | 79 | 44 | 81 | 76 |

**Surrogate Legend**

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: 240-110816-1 MS**
**Client Sample ID: SD-041019-AG-027**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 376681**
**Prep Batch: 376275**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 112 | 94.5 | | ug/Kg | ☼ | 84 | 10 - 160 |
| Benzene | ND | | 55.9 | 37.9 | | ug/Kg | ☼ | 68 | 39 - 133 |
| Bromodichloromethane | ND | | 55.9 | 34.9 | | ug/Kg | ☼ | 62 | 32 - 129 |
| Bromoform | ND | | 55.9 | 27.2 | | ug/Kg | ☼ | 49 | 18 - 120 |
| Bromomethane | ND | | 22.4 | 14.0 | | ug/Kg | ☼ | 63 | 10 - 159 |
| 2-Butanone | ND | | 112 | 89.4 | | ug/Kg | ☼ | 80 | 20 - 148 |
| Carbon disulfide | ND | | 55.9 | 32.6 | | ug/Kg | ☼ | 58 | 16 - 145 |
| Carbon tetrachloride | ND | | 55.9 | 37.3 | | ug/Kg | ☼ | 67 | 22 - 142 |
| Chlorobenzene | ND | | 55.9 | 24.9 | | ug/Kg | ☼ | 45 | 21 - 131 |
| Chloroethane | ND | | 22.4 | 15.0 | | ug/Kg | ☼ | 67 | 17 - 162 |
| Chloroform | ND | F2 | 55.9 | 38.8 | | ug/Kg | ☼ | 69 | 51 - 130 |
| Chloromethane | ND | | 22.4 | 16.7 | | ug/Kg | ☼ | 75 | 26 - 149 |
| cis-1,3-Dichloropropene | ND | | 55.9 | 31.9 | | ug/Kg | ☼ | 57 | 15 - 132 |
| Dibromochloromethane | ND | | 55.9 | 29.9 | | ug/Kg | ☼ | 53 | 27 - 126 |
| 1,1-Dichloroethane | ND | | 55.9 | 38.3 | | ug/Kg | ☼ | 69 | 50 - 133 |
| 1,2-Dichloroethane | ND | | 55.9 | 36.5 | | ug/Kg | ☼ | 65 | 42 - 127 |
| 1,1-Dichloroethene | ND | | 55.9 | 41.7 | | ug/Kg | ☼ | 75 | 36 - 150 |
| 1,2-Dichloroethene, Total | ND | | 112 | 75.3 | | ug/Kg | ☼ | 67 | 49 - 134 |
| 1,2-Dichloropropane | ND | | 55.9 | 39.5 | | ug/Kg | ☼ | 71 | 51 - 128 |
| Ethylbenzene | ND | | 55.9 | 24.5 | | ug/Kg | ☼ | 44 | 20 - 135 |
| 2-Hexanone | ND | | 112 | 84.1 | | ug/Kg | ☼ | 75 | 15 - 147 |
| Methylene Chloride | ND | | 55.9 | 41.0 | | ug/Kg | ☼ | 73 | 39 - 145 |
| 4-Methyl-2-pentanone | ND | | 112 | 86.0 | | ug/Kg | ☼ | 77 | 29 - 143 |
| Styrene | ND | | 55.9 | 20.5 | | ug/Kg | ☼ | 37 | 10 - 134 |
| 1,1,2,2-Tetrachloroethane | ND | * | 55.9 | 38.2 | | ug/Kg | ☼ | 68 | 16 - 178 |
| Tetrachloroethene | ND | | 55.9 | 28.7 | | ug/Kg | ☼ | 51 | 20 - 151 |
| Toluene | ND | | 55.9 | 31.3 | | ug/Kg | ☼ | 56 | 29 - 141 |
| trans-1,3-Dichloropropene | ND | | 55.9 | 25.9 | | ug/Kg | ☼ | 46 | 15 - 120 |
| 1,1,1-Trichloroethane | ND | | 55.9 | 38.5 | | ug/Kg | ☼ | 69 | 38 - 143 |
| 1,1,2-Trichloroethane | ND | | 55.9 | 38.6 | | ug/Kg | ☼ | 69 | 31 - 151 |
| Trichloroethene | ND | | 55.9 | 33.8 | | ug/Kg | ☼ | 60 | 25 - 148 |
| Vinyl chloride | ND | | 22.4 | 17.3 | | ug/Kg | ☼ | 77 | 31 - 148 |
| Xylenes, Total | ND | | 112 | 47.9 | | ug/Kg | ☼ | 43 | 19 - 137 |
| trans-1,2-Dichloroethene | ND | | 55.9 | 38.0 | | ug/Kg | ☼ | 68 | 44 - 141 |
| cis-1,2-Dichloroethene | ND | | 55.9 | 37.3 | | ug/Kg | ☼ | 67 | 50 - 128 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *86* | | *49 - 141* |
| *Dibromofluoromethane (Surr)* | *88* | | *49 - 132* |
| *1,2-Dichloroethane-d4 (Surr)* | *80* | | *48 - 123* |
| *Toluene-d8 (Surr)* | *91* | | *62 - 135* |

**Lab Sample ID: 240-110816-1 MSD**
**Client Sample ID: SD-041019-AG-027**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 376681**
**Prep Batch: 376275**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 146 | 109 | | ug/Kg | ☼ | 75 | 10 - 160 | 14 | 39 |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 240-110816-1 MSD**
**Client Sample ID: SD-041019-AG-027**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 376681**
**Prep Batch: 376275**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | 73.0 | 49.4 | | ug/Kg | ☼ | 68 | 39 - 133 | 27 | 40 |
| Bromodichloromethane | ND | | 73.0 | 44.9 | | ug/Kg | ☼ | 61 | 32 - 129 | 25 | 39 |
| Bromoform | ND | | 73.0 | 34.2 | | ug/Kg | ☼ | 47 | 18 - 120 | 23 | 40 |
| Bromomethane | ND | | 29.2 | 19.0 | | ug/Kg | ☼ | 65 | 10 - 159 | 30 | 40 |
| 2-Butanone | ND | | 146 | 97.0 | | ug/Kg | ☼ | 66 | 20 - 148 | 8 | 36 |
| Carbon disulfide | ND | | 73.0 | 47.0 | | ug/Kg | ☼ | 64 | 16 - 145 | 36 | 40 |
| Carbon tetrachloride | ND | | 73.0 | 50.5 | | ug/Kg | ☼ | 69 | 22 - 142 | 30 | 40 |
| Chlorobenzene | ND | | 73.0 | 31.0 | | ug/Kg | ☼ | 42 | 21 - 131 | 22 | 40 |
| Chloroethane | ND | | 29.2 | 21.4 | | ug/Kg | ☼ | 73 | 17 - 162 | 35 | 40 |
| Chloroform | ND | F2 | 73.0 | 54.4 | F4 | ug/Kg | ☼ | 74 | 51 - 130 | 33 | 32 |
| Chloromethane | ND | | 29.2 | 24.1 | | ug/Kg | ☼ | 83 | 26 - 149 | 36 | 37 |
| cis-1,3-Dichloropropene | ND | | 73.0 | 39.9 | | ug/Kg | ☼ | 55 | 15 - 132 | 22 | 40 |
| Dibromochloromethane | ND | | 73.0 | 39.4 | | ug/Kg | ☼ | 54 | 27 - 126 | 27 | 40 |
| 1,1-Dichloroethane | ND | | 73.0 | 53.7 | | ug/Kg | ☼ | 74 | 50 - 133 | 33 | 40 |
| 1,2-Dichloroethane | ND | | 73.0 | 49.7 | | ug/Kg | ☼ | 68 | 42 - 127 | 31 | 34 |
| 1,1-Dichloroethene | ND | | 73.0 | 53.3 | | ug/Kg | ☼ | 73 | 36 - 150 | 24 | 40 |
| 1,2-Dichloroethene, Total | ND | | 146 | 106 | | ug/Kg | ☼ | 72 | 49 - 134 | 34 | 40 |
| 1,2-Dichloropropane | ND | | 73.0 | 52.3 | | ug/Kg | ☼ | 72 | 51 - 128 | 28 | 36 |
| Ethylbenzene | ND | | 73.0 | 27.9 | | ug/Kg | ☼ | 38 | 20 - 135 | 13 | 40 |
| 2-Hexanone | ND | | 146 | 95.0 | | ug/Kg | ☼ | 65 | 15 - 147 | 12 | 40 |
| Methylene Chloride | ND | | 73.0 | 60.7 | | ug/Kg | ☼ | 83 | 39 - 145 | 39 | 40 |
| 4-Methyl-2-pentanone | ND | | 146 | 105 | | ug/Kg | ☼ | 72 | 29 - 143 | 20 | 40 |
| Styrene | ND | | 73.0 | 23.5 | | ug/Kg | ☼ | 32 | 10 - 134 | 14 | 40 |
| 1,1,2,2-Tetrachloroethane | ND | * | 73.0 | 54.8 | | ug/Kg | ☼ | 75 | 16 - 178 | 36 | 40 |
| Tetrachloroethene | ND | | 73.0 | 33.0 | | ug/Kg | ☼ | 45 | 20 - 151 | 14 | 40 |
| Toluene | ND | | 73.0 | 38.4 | | ug/Kg | ☼ | 53 | 29 - 141 | 20 | 40 |
| trans-1,3-Dichloropropene | ND | | 73.0 | 33.5 | | ug/Kg | ☼ | 46 | 15 - 120 | 26 | 40 |
| 1,1,1-Trichloroethane | ND | | 73.0 | 53.9 | | ug/Kg | ☼ | 74 | 38 - 143 | 33 | 40 |
| 1,1,2-Trichloroethane | ND | | 73.0 | 52.6 | | ug/Kg | ☼ | 72 | 31 - 151 | 31 | 40 |
| Trichloroethene | ND | | 73.0 | 42.5 | | ug/Kg | ☼ | 58 | 25 - 148 | 23 | 40 |
| Vinyl chloride | ND | | 29.2 | 24.5 | | ug/Kg | ☼ | 84 | 31 - 148 | 34 | 37 |
| Xylenes, Total | ND | | 146 | 53.6 | | ug/Kg | ☼ | 37 | 19 - 137 | 11 | 40 |
| trans-1,2-Dichloroethene | ND | | 73.0 | 54.0 | | ug/Kg | ☼ | 74 | 44 - 141 | 35 | 40 |
| cis-1,2-Dichloroethene | ND | | 73.0 | 51.7 | | ug/Kg | ☼ | 71 | 50 - 128 | 32 | 40 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *49 - 141* |
| *Dibromofluoromethane (Surr)* | *88* | | *49 - 132* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *48 - 123* |
| *Toluene-d8 (Surr)* | *88* | | *62 - 135* |

**Lab Sample ID: MB 240-376681/7**
**Client Sample ID: Method Blank**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 376681**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 25 | 21 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Benzene | ND | | 5.0 | 0.70 | ug/Kg | | | 04/16/19 13:34 | 1 |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 240-376681/7**
**Matrix: Solid**
**Analysis Batch: 376681**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | ND | | 5.0 | 0.68 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Bromoform | ND | | 5.0 | 2.4 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Bromomethane | ND | | 5.0 | 0.99 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 2-Butanone | ND | | 20 | 3.6 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Carbon disulfide | ND | | 5.0 | 1.2 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Carbon tetrachloride | ND | | 5.0 | 3.3 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Chlorobenzene | ND | | 5.0 | 0.92 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Chloroethane | ND | | 5.0 | 1.2 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Chloroform | ND | | 5.0 | 0.79 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Chloromethane | ND | | 5.0 | 1.0 | ug/Kg | | | 04/16/19 13:34 | 1 |
| cis-1,3-Dichloropropene | ND | | 5.0 | 1.4 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Dibromochloromethane | ND | | 5.0 | 2.8 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,1-Dichloroethane | ND | | 5.0 | 0.69 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,2-Dichloroethane | ND | | 5.0 | 0.77 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,1-Dichloroethene | ND | | 5.0 | 0.90 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,2-Dichloroethene, Total | ND | | 10 | 1.1 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,2-Dichloropropane | ND | | 5.0 | 0.85 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Ethylbenzene | ND | | 5.0 | 1.0 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 2-Hexanone | ND | | 20 | 4.1 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Methylene Chloride | ND | | 25 | 12 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 4-Methyl-2-pentanone | ND | | 20 | 3.7 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Styrene | ND | | 5.0 | 1.2 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | 1.4 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Tetrachloroethene | ND | | 5.0 | 0.73 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Toluene | ND | | 5.0 | 0.77 | ug/Kg | | | 04/16/19 13:34 | 1 |
| trans-1,3-Dichloropropene | ND | | 5.0 | 1.0 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,1,1-Trichloroethane | ND | | 5.0 | 0.82 | ug/Kg | | | 04/16/19 13:34 | 1 |
| 1,1,2-Trichloroethane | ND | | 5.0 | 1.1 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Trichloroethene | ND | | 5.0 | 0.63 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Vinyl chloride | ND | | 5.0 | 0.84 | ug/Kg | | | 04/16/19 13:34 | 1 |
| Xylenes, Total | ND | | 10 | 1.6 | ug/Kg | | | 04/16/19 13:34 | 1 |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.47 | ug/Kg | | | 04/16/19 13:34 | 1 |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.65 | ug/Kg | | | 04/16/19 13:34 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *49 - 141* | | *04/16/19 13:34* | *1* |
| *Dibromofluoromethane (Surr)* | *88* | | *49 - 132* | | *04/16/19 13:34* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *81* | | *48 - 123* | | *04/16/19 13:34* | *1* |
| *Toluene-d8 (Surr)* | *86* | | *62 - 135* | | *04/16/19 13:34* | *1* |

**Lab Sample ID: LCS 240-376681/5**
**Matrix: Solid**
**Analysis Batch: 376681**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | | | 100 | 88.2 | | ug/Kg | | 88 | 43 - 159 | | |
| Benzene | | | 50.0 | 49.0 | | ug/Kg | | 98 | 74 - 123 | | |
| Bromodichloromethane | | | 50.0 | 46.2 | | ug/Kg | | 92 | 63 - 132 | | |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 240-376681/5**
**Matrix: Solid**
**Analysis Batch: 376681**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Bromoform | 50.0 | 41.4 | | ug/Kg | | 83 | 46 - 137 |
| Bromomethane | 20.0 | 16.4 | | ug/Kg | | 82 | 10 - 152 |
| 2-Butanone | 100 | 80.0 | | ug/Kg | | 80 | 45 - 148 |
| Carbon disulfide | 50.0 | 44.7 | | ug/Kg | | 89 | 29 - 153 |
| Carbon tetrachloride | 50.0 | 50.1 | | ug/Kg | | 100 | 56 - 139 |
| Chlorobenzene | 50.0 | 46.6 | | ug/Kg | | 93 | 80 - 120 |
| Chloroethane | 20.0 | 17.1 | | ug/Kg | | 85 | 15 - 155 |
| Chloroform | 50.0 | 49.3 | | ug/Kg | | 99 | 72 - 124 |
| Chloromethane | 20.0 | 17.7 | | ug/Kg | | 88 | 45 - 128 |
| cis-1,3-Dichloropropene | 50.0 | 47.6 | | ug/Kg | | 95 | 63 - 137 |
| Dibromochloromethane | 50.0 | 40.7 | | ug/Kg | | 81 | 58 - 131 |
| 1,1-Dichloroethane | 50.0 | 45.7 | | ug/Kg | | 91 | 72 - 122 |
| 1,2-Dichloroethane | 50.0 | 44.4 | | ug/Kg | | 89 | 64 - 126 |
| 1,1-Dichloroethene | 50.0 | 55.0 | | ug/Kg | | 110 | 57 - 139 |
| 1,2-Dichloroethene, Total | 100 | 98.4 | | ug/Kg | | 98 | 73 - 127 |
| 1,2-Dichloropropane | 50.0 | 48.3 | | ug/Kg | | 97 | 78 - 122 |
| Ethylbenzene | 50.0 | 48.0 | | ug/Kg | | 96 | 76 - 120 |
| 2-Hexanone | 100 | 89.2 | | ug/Kg | | 89 | 52 - 145 |
| Methylene Chloride | 50.0 | 44.9 | | ug/Kg | | 90 | 62 - 137 |
| 4-Methyl-2-pentanone | 100 | 76.2 | | ug/Kg | | 76 | 53 - 139 |
| Styrene | 50.0 | 48.1 | | ug/Kg | | 96 | 76 - 121 |
| 1,1,2,2-Tetrachloroethane | 50.0 | 46.3 | | ug/Kg | | 93 | 68 - 128 |
| Tetrachloroethene | 50.0 | 44.9 | | ug/Kg | | 90 | 76 - 120 |
| Toluene | 50.0 | 44.4 | | ug/Kg | | 89 | 76 - 120 |
| trans-1,3-Dichloropropene | 50.0 | 39.5 | | ug/Kg | | 79 | 55 - 121 |
| 1,1,1-Trichloroethane | 50.0 | 48.7 | | ug/Kg | | 97 | 64 - 135 |
| 1,1,2-Trichloroethane | 50.0 | 45.6 | | ug/Kg | | 91 | 78 - 120 |
| Trichloroethene | 50.0 | 49.3 | | ug/Kg | | 99 | 73 - 126 |
| Vinyl chloride | 20.0 | 18.3 | | ug/Kg | | 92 | 52 - 130 |
| Xylenes, Total | 100 | 95.2 | | ug/Kg | | 95 | 79 - 120 |
| trans-1,2-Dichloroethene | 50.0 | 50.0 | | ug/Kg | | 100 | 71 - 133 |
| cis-1,2-Dichloroethene | 50.0 | 48.4 | | ug/Kg | | 97 | 74 - 123 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *85* | | *49 - 141* |
| *Dibromofluoromethane (Surr)* | *90* | | *49 - 132* |
| *1,2-Dichloroethane-d4 (Surr)* | *78* | | *48 - 123* |
| *Toluene-d8 (Surr)* | *83* | | *62 - 135* |

**Lab Sample ID: MB 240-377223/8**
**Matrix: Water**
**Analysis Batch: 377223**

**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 | 5.4 | ug/L | | | 04/18/19 18:38 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromodichloromethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| Bromoform | ND | | 1.0 | 0.76 | ug/L | | | 04/18/19 18:38 | 1 |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 240-377223/8**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ND | | 1.0 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Butanone | ND | | 10 | 1.2 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon disulfide | ND | | 1.0 | 0.28 | ug/L | | | 04/18/19 18:38 | 1 |
| Carbon tetrachloride | ND | | 1.0 | 0.26 | ug/L | | | 04/18/19 18:38 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloroform | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Chloromethane | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.0 | 0.61 | ug/L | | | 04/18/19 18:38 | 1 |
| Dibromochloromethane | ND | | 1.0 | 0.39 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloroethene, Total | ND | | 2.0 | 0.33 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/18/19 18:38 | 1 |
| 2-Hexanone | ND | | 10 | 0.54 | ug/L | | | 04/18/19 18:38 | 1 |
| Methylene Chloride | ND | | 5.0 | 2.6 | ug/L | | | 04/18/19 18:38 | 1 |
| 4-Methyl-2-pentanone | ND | | 10 | 0.42 | ug/L | | | 04/18/19 18:38 | 1 |
| Styrene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.0 | 0.13 | ug/L | | | 04/18/19 18:38 | 1 |
| Tetrachloroethene | ND | | 1.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.0 | 0.67 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.0 | 0.24 | ug/L | | | 04/18/19 18:38 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.0 | 0.090 | ug/L | | | 04/18/19 18:38 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/18/19 18:38 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/18/19 18:38 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/18/19 18:38 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/18/19 18:38 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/18/19 18:38 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *59 - 120* | | *04/18/19 18:38* | *1* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 128* | | *04/18/19 18:38* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/18/19 18:38* | *1* |
| *Toluene-d8 (Surr)* | *96* | | *70 - 123* | | *04/18/19 18:38* | *1* |

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acetone | 40.0 | 57.6 | | ug/L | | 144 | 21 - 162 |
| Benzene | 20.0 | 21.8 | | ug/L | | 109 | 80 - 123 |
| Bromodichloromethane | 20.0 | 18.3 | | ug/L | | 91 | 77 - 125 |
| Bromoform | 20.0 | 17.2 | | ug/L | | 86 | 49 - 141 |
| Bromomethane | 20.0 | 19.2 | | ug/L | | 96 | 41 - 175 |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 240-377223/5**
**Matrix: Water**
**Analysis Batch: 377223**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 2-Butanone | 40.0 | 45.3 | | ug/L | | 113 | 39 - 163 |
| Carbon disulfide | 20.0 | 22.6 | | ug/L | | 113 | 60 - 138 |
| Carbon tetrachloride | 20.0 | 17.1 | | ug/L | | 86 | 63 - 140 |
| Chlorobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 121 |
| Chloroethane | 20.0 | 20.9 | | ug/L | | 105 | 33 - 173 |
| Chloroform | 20.0 | 20.5 | | ug/L | | 102 | 79 - 127 |
| Chloromethane | 20.0 | 20.8 | | ug/L | | 104 | 54 - 143 |
| cis-1,3-Dichloropropene | 20.0 | 19.3 | | ug/L | | 96 | 64 - 132 |
| Dibromochloromethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 132 |
| 1,1-Dichloroethane | 20.0 | 21.7 | | ug/L | | 108 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 16.8 | | ug/L | | 84 | 71 - 135 |
| 1,1-Dichloroethene | 20.0 | 20.7 | | ug/L | | 103 | 65 - 139 |
| 1,2-Dichloroethene, Total | 40.0 | 42.9 | | ug/L | | 107 | 79 - 128 |
| 1,2-Dichloropropane | 20.0 | 21.3 | | ug/L | | 107 | 78 - 133 |
| Ethylbenzene | 20.0 | 20.5 | | ug/L | | 102 | 80 - 120 |
| 2-Hexanone | 40.0 | 41.5 | | ug/L | | 104 | 43 - 148 |
| Methylene Chloride | 20.0 | 20.9 | | ug/L | | 105 | 70 - 134 |
| 4-Methyl-2-pentanone | 40.0 | 41.0 | | ug/L | | 102 | 49 - 143 |
| Styrene | 20.0 | 20.1 | | ug/L | | 100 | 79 - 120 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 25.6 | | ug/L | | 128 | 65 - 139 |
| Tetrachloroethene | 20.0 | 17.4 | | ug/L | | 87 | 74 - 130 |
| Toluene | 20.0 | 20.4 | | ug/L | | 102 | 78 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 17.2 | | ug/L | | 86 | 55 - 128 |
| 1,1,1-Trichloroethane | 20.0 | 18.3 | | ug/L | | 92 | 69 - 134 |
| 1,1,2-Trichloroethane | 20.0 | 20.9 | | ug/L | | 105 | 78 - 133 |
| Trichloroethene | 20.0 | 18.1 | | ug/L | | 91 | 76 - 125 |
| Vinyl chloride | 20.0 | 21.9 | | ug/L | | 109 | 58 - 143 |
| Xylenes, Total | 40.0 | 42.2 | | ug/L | | 106 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 21.4 | | ug/L | | 107 | 78 - 133 |
| cis-1,2-Dichloroethene | 20.0 | 21.5 | | ug/L | | 108 | 76 - 128 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 128* |
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *Toluene-d8 (Surr)* | *98* | | *70 - 123* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-376187/19-A**
**Matrix: Solid**
**Analysis Batch: 376641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376187**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 15 | 2.9 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Acenaphthylene | ND | | 15 | 4.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Anthracene | ND | | 15 | 2.4 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Benzo[a]anthracene | ND | | 15 | 3.4 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Benzo[a]pyrene | ND | | 15 | 9.3 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-376187/19-A**
**Matrix: Solid**
**Analysis Batch: 376641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376187**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[b]fluoranthene | ND | | 15 | 6.5 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Benzo[g,h,i]perylene | ND | | 15 | 7.1 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Benzo[k]fluoranthene | ND | | 15 | 6.9 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 100 | 12 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Bis(2-chloroethyl)ether | ND | | 100 | 12 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 70 | 51 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 50 | 14 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Butylbenzylphthalate | ND | | 70 | 22 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Carbazole | ND | | 50 | 19 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Chloroaniline | ND | | 150 | 30 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Chloro-3-methylphenol | ND | | 150 | 45 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Chloronaphthalene | ND | | 50 | 14 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Chlorophenol | ND | | 50 | 10 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 50 | 14 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Chrysene | ND | | 15 | 1.5 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Dibenz(a,h)anthracene | ND | | 15 | 6.9 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Dibenzofuran | ND | | 50 | 13 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 1,2-Dichlorobenzene | ND | | 50 | 10 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 1,3-Dichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 1,4-Dichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 100 | 43 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4-Dichlorophenol | ND | | 150 | 44 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Diethyl phthalate | ND | | 70 | 31 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4-Dimethylphenol | ND | | 150 | 40 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Dimethyl phthalate | ND | | 70 | 14 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Di-n-butyl phthalate | ND | | 70 | 22 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 330 | 80 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4-Dinitrophenol | ND | | 330 | 140 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4-Dinitrotoluene | ND | | 200 | 62 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,6-Dinitrotoluene | ND | | 200 | 56 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Di-n-octyl phthalate | ND | | 70 | 28 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Fluoranthene | ND | | 15 | 4.5 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Fluorene | ND | | 15 | 2.7 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Hexachlorobenzene | ND | | 15 | 2.9 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Hexachlorobutadiene | ND | | 50 | 12 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Hexachlorocyclopentadiene | ND | | 330 | 62 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Hexachloroethane | ND | | 50 | 9.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 15 | 7.4 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Isophorone | ND | | 50 | 12 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Methylnaphthalene | ND | | 15 | 2.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Methylphenol | ND | | 200 | 31 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 3 & 4 Methylphenol | ND | | 400 | 29 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Naphthalene | ND | | 15 | 2.4 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Nitroaniline | ND | | 200 | 40 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 3-Nitroaniline | ND | | 200 | 49 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Nitroaniline | ND | | 200 | 60 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Nitrobenzene | ND | | 100 | 13 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2-Nitrophenol | ND | | 50 | 13 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 4-Nitrophenol | ND | | 330 | 94 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-376187/19-A**
**Matrix: Solid**
**Analysis Batch: 376641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376187**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | ND | | 50 | 11 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| N-Nitrosodiphenylamine | ND | | 50 | 12 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 100 | 10 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Pentachlorophenol | ND | | 150 | 58 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Phenanthrene | ND | | 15 | 2.2 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Phenol | ND | | 50 | 8.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| Pyrene | ND | | 15 | 2.1 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4,5-Trichlorophenol | ND | | 150 | 69 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |
| 2,4,6-Trichlorophenol | ND | | 150 | 64 | ug/Kg | | 04/12/19 06:39 | 04/16/19 10:22 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *77* | | *32 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |
| *2-Fluorophenol (Surr)* | *68* | | *29 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |
| *Nitrobenzene-d5 (Surr)* | *69* | | *30 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |
| *Phenol-d5 (Surr)* | *70* | | *29 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |
| *Terphenyl-d14 (Surr)* | *90* | | *41 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *46* | | *10 - 120* | *04/12/19 06:39* | *04/16/19 10:22* | *1* |

**Lab Sample ID: LCS 240-376187/20-A**
**Matrix: Solid**
**Analysis Batch: 376641**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376187**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 667 | 503 | | ug/Kg | | 75 | 48 - 120 |
| Acenaphthylene | 667 | 516 | | ug/Kg | | 77 | 46 - 120 |
| Anthracene | 667 | 546 | | ug/Kg | | 82 | 51 - 120 |
| Benzo[a]anthracene | 667 | 526 | | ug/Kg | | 79 | 53 - 120 |
| Benzo[a]pyrene | 667 | 582 | | ug/Kg | | 87 | 50 - 120 |
| Benzo[b]fluoranthene | 667 | 608 | | ug/Kg | | 91 | 48 - 120 |
| Benzo[g,h,i]perylene | 667 | 585 | | ug/Kg | | 88 | 50 - 120 |
| Benzo[k]fluoranthene | 667 | 611 | | ug/Kg | | 92 | 51 - 120 |
| Bis(2-chloroethoxy)methane | 667 | 493 | | ug/Kg | | 74 | 50 - 120 |
| Bis(2-chloroethyl)ether | 667 | 473 | | ug/Kg | | 71 | 48 - 120 |
| Bis(2-ethylhexyl) phthalate | 667 | 634 | | ug/Kg | | 95 | 52 - 120 |
| 4-Bromophenyl phenyl ether | 667 | 560 | | ug/Kg | | 84 | 51 - 120 |
| Butylbenzylphthalate | 667 | 598 | | ug/Kg | | 90 | 53 - 120 |
| Carbazole | 667 | 570 | | ug/Kg | | 85 | 56 - 120 |
| 4-Chloroaniline | 667 | 345 | | ug/Kg | | 52 | 37 - 120 |
| 4-Chloro-3-methylphenol | 667 | 533 | | ug/Kg | | 80 | 47 - 120 |
| 2-Chloronaphthalene | 667 | 516 | | ug/Kg | | 77 | 49 - 120 |
| 2-Chlorophenol | 667 | 513 | | ug/Kg | | 77 | 50 - 120 |
| 4-Chlorophenyl phenyl ether | 667 | 528 | | ug/Kg | | 79 | 49 - 120 |
| Chrysene | 667 | 543 | | ug/Kg | | 82 | 54 - 120 |
| Dibenz(a,h)anthracene | 667 | 626 | | ug/Kg | | 94 | 48 - 120 |
| Dibenzofuran | 667 | 507 | | ug/Kg | | 76 | 49 - 120 |
| 1,2-Dichlorobenzene | 667 | 521 | | ug/Kg | | 78 | 48 - 120 |
| 1,3-Dichlorobenzene | 667 | 514 | | ug/Kg | | 77 | 47 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-376187/20-A**
**Matrix: Solid**
**Analysis Batch: 376641**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376187**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,4-Dichlorobenzene | 667 | 509 | | ug/Kg | | 76 | 48 - 120 |
| 3,3'-Dichlorobenzidine | 1330 | 702 | | ug/Kg | | 53 | 40 - 120 |
| 2,4-Dichlorophenol | 667 | 522 | | ug/Kg | | 78 | 48 - 120 |
| Diethyl phthalate | 667 | 577 | | ug/Kg | | 87 | 52 - 120 |
| 2,4-Dimethylphenol | 667 | 489 | | ug/Kg | | 73 | 37 - 120 |
| Dimethyl phthalate | 667 | 548 | | ug/Kg | | 82 | 53 - 120 |
| Di-n-butyl phthalate | 667 | 616 | | ug/Kg | | 92 | 56 - 120 |
| 4,6-Dinitro-2-methylphenol | 1330 | 879 | | ug/Kg | | 66 | 18 - 120 |
| 2,4-Dinitrophenol | 1330 | 431 | | ug/Kg | | 32 | 10 - 120 |
| 2,4-Dinitrotoluene | 667 | 567 | | ug/Kg | | 85 | 53 - 120 |
| 2,6-Dinitrotoluene | 667 | 558 | | ug/Kg | | 84 | 54 - 120 |
| Di-n-octyl phthalate | 667 | 600 | | ug/Kg | | 90 | 42 - 120 |
| Fluoranthene | 667 | 591 | | ug/Kg | | 89 | 53 - 120 |
| Fluorene | 667 | 519 | | ug/Kg | | 78 | 50 - 120 |
| Hexachlorobenzene | 667 | 547 | | ug/Kg | | 82 | 46 - 120 |
| Hexachlorobutadiene | 667 | 615 | | ug/Kg | | 92 | 44 - 120 |
| Hexachlorocyclopentadiene | 667 | 500 | | ug/Kg | | 75 | 14 - 120 |
| Hexachloroethane | 667 | 534 | | ug/Kg | | 80 | 45 - 120 |
| Indeno[1,2,3-cd]pyrene | 667 | 595 | | ug/Kg | | 89 | 49 - 120 |
| Isophorone | 667 | 502 | | ug/Kg | | 75 | 47 - 120 |
| 2-Methylnaphthalene | 667 | 531 | | ug/Kg | | 80 | 49 - 120 |
| 2-Methylphenol | 667 | 454 | | ug/Kg | | 68 | 49 - 120 |
| 3 & 4 Methylphenol | 667 | 473 | | ug/Kg | | 71 | 50 - 120 |
| Naphthalene | 667 | 503 | | ug/Kg | | 76 | 48 - 120 |
| 2-Nitroaniline | 667 | 514 | | ug/Kg | | 77 | 46 - 120 |
| 3-Nitroaniline | 667 | 437 | | ug/Kg | | 66 | 48 - 120 |
| 4-Nitroaniline | 667 | 485 | | ug/Kg | | 73 | 49 - 120 |
| Nitrobenzene | 667 | 517 | | ug/Kg | | 78 | 48 - 120 |
| 2-Nitrophenol | 667 | 549 | | ug/Kg | | 82 | 46 - 120 |
| 4-Nitrophenol | 1330 | 1210 | | ug/Kg | | 90 | 42 - 120 |
| N-Nitrosodi-n-propylamine | 667 | 517 | | ug/Kg | | 78 | 49 - 120 |
| N-Nitrosodiphenylamine | 667 | 548 | | ug/Kg | | 82 | 53 - 120 |
| 2,2'-oxybis[1-chloropropane] | 667 | 567 | | ug/Kg | | 85 | 37 - 120 |
| Pentachlorophenol | 1330 | 745 | | ug/Kg | | 56 | 14 - 120 |
| Phenanthrene | 667 | 530 | | ug/Kg | | 79 | 52 - 120 |
| Phenol | 667 | 477 | | ug/Kg | | 72 | 49 - 120 |
| Pyrene | 667 | 554 | | ug/Kg | | 83 | 55 - 120 |
| 1,2,4-Trichlorobenzene | 667 | 567 | | ug/Kg | | 85 | 48 - 120 |
| 2,4,5-Trichlorophenol | 667 | 426 | | ug/Kg | | 64 | 34 - 120 |
| 2,4,6-Trichlorophenol | 667 | 321 | | ug/Kg | | 48 | 19 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *78* | | *29 - 120* |
| *Nitrobenzene-d5 (Surr)* | *77* | | *30 - 120* |
| *Phenol-d5 (Surr)* | *82* | | *29 - 120* |
| *Terphenyl-d14 (Surr)* | *93* | | *41 - 120* |
| *2,4,6-Tribromophenol (Surr)* | *52* | | *10 - 120* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Acenaphthylene | ND | | 0.20 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Anthracene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[a]anthracene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[a]pyrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[b]fluoranthene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[g,h,i]perylene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Benzo[k]fluoranthene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 1.0 | 0.46 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-chloroethyl)ether | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 2.0 | 0.50 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Butylbenzylphthalate | ND | | 2.0 | 0.67 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Carbazole | ND | | 1.0 | 0.49 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloroaniline | ND | | 2.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chloro-3-methylphenol | ND | | 2.0 | 0.30 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chloronaphthalene | ND | | 1.0 | 0.48 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Chlorophenol | ND | | 1.0 | 0.27 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 2.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Chrysene | ND | | 0.20 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.20 | 0.15 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dibenzofuran | ND | | 1.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.0 | 0.34 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.0 | 0.33 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 5.0 | 1.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dichlorophenol | ND | | 2.0 | 0.26 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Diethyl phthalate | 4.22 | J | 5.0 | 3.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dimethylphenol | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Dimethyl phthalate | ND | | 2.0 | 0.52 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-butyl phthalate | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 5.0 | 2.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrophenol | ND | | 10 | 6.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,6-Dinitrotoluene | ND | | 5.0 | 2.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Di-n-octyl phthalate | ND | | 2.0 | 0.82 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluoranthene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Fluorene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobenzene | ND | | 0.20 | 0.16 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorobutadiene | ND | | 1.0 | 0.54 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachlorocyclopentadiene | ND | | 10 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Hexachloroethane | ND | | 1.0 | 0.40 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.20 | 0.14 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Isophorone | ND | | 1.0 | 0.32 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylnaphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Methylphenol | ND | | 1.0 | 0.21 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3 & 4 Methylphenol | ND | | 2.0 | 0.19 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Naphthalene | ND | | 0.20 | 0.11 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-376702/25-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nitroaniline | ND | | 2.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 3-Nitroaniline | ND | | 2.0 | 0.57 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitroaniline | ND | | 2.0 | 0.92 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Nitrobenzene | ND | | 1.0 | 0.51 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2-Nitrophenol | ND | | 2.0 | 0.56 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 4-Nitrophenol | ND | | 10 | 2.2 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 1.0 | 0.25 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| N-Nitrosodiphenylamine | ND | | 1.0 | 0.44 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 1.0 | 0.55 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pentachlorophenol | ND | | 10 | 3.1 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenanthrene | ND | | 0.20 | 0.17 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Phenol | ND | | 1.0 | 0.13 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| Pyrene | ND | | 0.20 | 0.18 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.0 | 0.43 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,5-Trichlorophenol | ND | | 5.0 | 2.0 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |
| 2,4,6-Trichlorophenol | ND | | 5.0 | 1.8 | ug/L | | 04/16/19 10:48 | 04/18/19 07:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *76* | | *32 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2-Fluorophenol (Surr)* | *54* | | *17 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *79* | | *35 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Phenol-d5 (Surr)* | *44* | | *15 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *Terphenyl-d14 (Surr)* | *81* | | *28 - 128* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *76* | | *33 - 120* | *04/16/19 10:48* | *04/18/19 07:06* | *1* |

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 32.0 | 26.5 | | ug/L | | 83 | 59 - 120 |
| Acenaphthylene | 32.0 | 27.0 | | ug/L | | 84 | 59 - 120 |
| Anthracene | 32.0 | 22.1 | | ug/L | | 69 | 59 - 120 |
| Benzo[a]anthracene | 32.0 | 25.2 | | ug/L | | 79 | 60 - 120 |
| Benzo[a]pyrene | 32.0 | 25.3 | | ug/L | | 79 | 61 - 120 |
| Benzo[b]fluoranthene | 32.0 | 25.9 | | ug/L | | 81 | 62 - 120 |
| Benzo[g,h,i]perylene | 32.0 | 27.9 | | ug/L | | 87 | 61 - 120 |
| Benzo[k]fluoranthene | 32.0 | 26.5 | | ug/L | | 83 | 60 - 120 |
| Bis(2-chloroethoxy)methane | 32.0 | 27.3 | | ug/L | | 85 | 60 - 120 |
| Bis(2-chloroethyl)ether | 32.0 | 24.3 | | ug/L | | 76 | 52 - 120 |
| Bis(2-ethylhexyl) phthalate | 32.0 | 27.3 | | ug/L | | 85 | 59 - 120 |
| 4-Bromophenyl phenyl ether | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Butylbenzylphthalate | 32.0 | 25.9 | | ug/L | | 81 | 53 - 120 |
| Carbazole | 32.0 | 23.0 | | ug/L | | 72 | 62 - 121 |
| 4-Chloroaniline | 32.0 | 16.5 | | ug/L | | 52 | 10 - 142 |
| 4-Chloro-3-methylphenol | 32.0 | 28.7 | | ug/L | | 90 | 63 - 120 |
| 2-Chloronaphthalene | 32.0 | 24.8 | | ug/L | | 78 | 58 - 120 |
| 2-Chlorophenol | 32.0 | 25.9 | | ug/L | | 81 | 61 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 4-Chlorophenyl phenyl ether | 32.0 | 28.1 | | ug/L | | 88 | 62 - 120 |
| Chrysene | 32.0 | 24.2 | | ug/L | | 76 | 60 - 120 |
| Dibenz(a,h)anthracene | 32.0 | 28.3 | | ug/L | | 88 | 62 - 120 |
| Dibenzofuran | 32.0 | 26.3 | | ug/L | | 82 | 59 - 120 |
| 1,2-Dichlorobenzene | 32.0 | 23.6 | | ug/L | | 74 | 52 - 120 |
| 1,3-Dichlorobenzene | 32.0 | 23.3 | | ug/L | | 73 | 49 - 120 |
| 1,4-Dichlorobenzene | 32.0 | 23.2 | | ug/L | | 72 | 50 - 120 |
| 3,3'-Dichlorobenzidine | 64.0 | 46.2 | | ug/L | | 72 | 54 - 120 |
| 2,4-Dichlorophenol | 32.0 | 30.0 | | ug/L | | 94 | 57 - 120 |
| Diethyl phthalate | 32.0 | 28.1 | | ug/L | | 88 | 53 - 120 |
| 2,4-Dimethylphenol | 32.0 | 27.5 | | ug/L | | 86 | 49 - 120 |
| Dimethyl phthalate | 32.0 | 24.8 | | ug/L | | 77 | 51 - 120 |
| Di-n-butyl phthalate | 32.0 | 24.4 | | ug/L | | 76 | 58 - 120 |
| 4,6-Dinitro-2-methylphenol | 64.0 | 59.2 | | ug/L | | 93 | 43 - 120 |
| 2,4-Dinitrophenol | 64.0 | 52.4 | | ug/L | | 82 | 24 - 120 |
| 2,4-Dinitrotoluene | 32.0 | 28.4 | | ug/L | | 89 | 67 - 120 |
| 2,6-Dinitrotoluene | 32.0 | 26.3 | | ug/L | | 82 | 65 - 120 |
| Di-n-octyl phthalate | 32.0 | 30.5 | | ug/L | | 95 | 58 - 120 |
| Fluoranthene | 32.0 | 24.8 | | ug/L | | 77 | 62 - 120 |
| Fluorene | 32.0 | 24.8 | | ug/L | | 78 | 61 - 120 |
| Hexachlorobenzene | 32.0 | 22.2 | | ug/L | | 69 | 58 - 120 |
| Hexachlorobutadiene | 32.0 | 28.7 | | ug/L | | 90 | 48 - 120 |
| Hexachlorocyclopentadiene | 32.0 | 26.6 | | ug/L | | 83 | 30 - 120 |
| Hexachloroethane | 32.0 | 23.6 | | ug/L | | 74 | 44 - 120 |
| Indeno[1,2,3-cd]pyrene | 32.0 | 28.0 | | ug/L | | 87 | 62 - 120 |
| Isophorone | 32.0 | 28.1 | | ug/L | | 88 | 58 - 120 |
| 2-Methylnaphthalene | 32.0 | 25.8 | | ug/L | | 80 | 58 - 120 |
| 2-Methylphenol | 32.0 | 26.2 | | ug/L | | 82 | 55 - 120 |
| 3 & 4 Methylphenol | 32.0 | 25.0 | | ug/L | | 78 | 50 - 120 |
| Naphthalene | 32.0 | 25.7 | | ug/L | | 80 | 56 - 120 |
| 2-Nitroaniline | 32.0 | 30.1 | | ug/L | | 94 | 60 - 120 |
| 3-Nitroaniline | 32.0 | 28.8 | | ug/L | | 90 | 21 - 199 |
| 4-Nitroaniline | 32.0 | 31.5 | | ug/L | | 98 | 54 - 135 |
| Nitrobenzene | 32.0 | 28.7 | | ug/L | | 90 | 60 - 120 |
| 2-Nitrophenol | 32.0 | 31.1 | | ug/L | | 97 | 63 - 120 |
| 4-Nitrophenol | 64.0 | 31.7 | | ug/L | | 50 | 24 - 120 |
| N-Nitrosodi-n-propylamine | 32.0 | 25.1 | | ug/L | | 78 | 55 - 120 |
| N-Nitrosodiphenylamine | 32.0 | 22.9 | | ug/L | | 72 | 58 - 120 |
| 2,2'-oxybis[1-chloropropane] | 32.0 | 26.8 | | ug/L | | 84 | 50 - 120 |
| Pentachlorophenol | 64.0 | 35.5 | | ug/L | | 55 | 30 - 120 |
| Phenanthrene | 32.0 | 21.8 | | ug/L | | 68 | 59 - 120 |
| Phenol | 32.0 | 18.0 | | ug/L | | 56 | 25 - 120 |
| Pyrene | 32.0 | 25.8 | | ug/L | | 81 | 59 - 120 |
| 1,2,4-Trichlorobenzene | 32.0 | 26.2 | | ug/L | | 82 | 53 - 120 |
| 2,4,5-Trichlorophenol | 32.0 | 25.3 | | ug/L | | 79 | 59 - 120 |
| 2,4,6-Trichlorophenol | 32.0 | 26.6 | | ug/L | | 83 | 64 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-376702/26-A**
**Matrix: Water**
**Analysis Batch: 377069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376702**

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *85* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *87* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *60* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* |
| *2,4,6-Tribromophenol (Surr)* | *82* | | *33 - 120* |

**Lab Sample ID: MB 240-377132/8-A**
**Matrix: Solid**
**Analysis Batch: 377539**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 377132**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 15 | 2.9 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Acenaphthylene | ND | | 15 | 4.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Anthracene | ND | | 15 | 2.4 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Benzo[a]anthracene | ND | | 15 | 3.4 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Benzo[a]pyrene | ND | | 15 | 9.3 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Benzo[b]fluoranthene | ND | | 15 | 6.5 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Benzo[g,h,i]perylene | ND | | 15 | 7.1 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Benzo[k]fluoranthene | ND | | 15 | 6.9 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Bis(2-chloroethoxy)methane | ND | | 100 | 12 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Bis(2-chloroethyl)ether | ND | | 100 | 12 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 70 | 51 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Bromophenyl phenyl ether | ND | | 50 | 14 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Butylbenzylphthalate | ND | | 70 | 22 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Carbazole | ND | | 50 | 19 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Chloroaniline | ND | | 150 | 30 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Chloro-3-methylphenol | ND | | 150 | 45 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Chloronaphthalene | ND | | 50 | 14 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Chlorophenol | ND | | 50 | 10 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | 50 | 14 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Chrysene | ND | | 15 | 1.5 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Dibenz(a,h)anthracene | ND | | 15 | 6.9 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Dibenzofuran | ND | | 50 | 13 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 50 | 10 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 3,3'-Dichlorobenzidine | ND | | 100 | 43 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4-Dichlorophenol | ND | | 150 | 44 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Diethyl phthalate | ND | | 70 | 31 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4-Dimethylphenol | ND | | 150 | 40 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Dimethyl phthalate | ND | | 70 | 14 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Di-n-butyl phthalate | ND | | 70 | 22 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4,6-Dinitro-2-methylphenol | ND | | 330 | 80 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4-Dinitrophenol | ND | | 330 | 140 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4-Dinitrotoluene | ND | | 200 | 62 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,6-Dinitrotoluene | ND | | 200 | 56 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Di-n-octyl phthalate | ND | | 70 | 28 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 240-377132/8-A** **Client Sample ID: Method Blank**
**Matrix: Solid** **Prep Type: Total/NA**
**Analysis Batch: 377539** **Prep Batch: 377132**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoranthene | ND | | 15 | 4.5 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Fluorene | ND | | 15 | 2.7 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Hexachlorobenzene | ND | | 15 | 2.9 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Hexachlorobutadiene | ND | | 50 | 12 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Hexachlorocyclopentadiene | ND | | 330 | 62 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Hexachloroethane | ND | | 50 | 9.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 15 | 7.4 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Isophorone | ND | | 50 | 12 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Methylnaphthalene | ND | | 15 | 2.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Methylphenol | ND | | 200 | 31 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 3 & 4 Methylphenol | ND | | 400 | 29 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Naphthalene | ND | | 15 | 2.4 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Nitroaniline | ND | | 200 | 40 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 3-Nitroaniline | ND | | 200 | 49 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Nitroaniline | ND | | 200 | 60 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Nitrobenzene | ND | | 100 | 13 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2-Nitrophenol | ND | | 50 | 13 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 4-Nitrophenol | ND | | 330 | 94 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| N-Nitrosodi-n-propylamine | ND | | 50 | 11 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| N-Nitrosodiphenylamine | ND | | 50 | 12 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,2'-oxybis[1-chloropropane] | ND | | 100 | 10 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Pentachlorophenol | ND | | 150 | 58 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Phenanthrene | ND | | 15 | 2.2 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Phenol | ND | | 50 | 8.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| Pyrene | ND | | 15 | 2.1 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 50 | 9.0 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4,5-Trichlorophenol | ND | | 150 | 69 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |
| 2,4,6-Trichlorophenol | ND | | 150 | 64 | ug/Kg | | 04/18/19 09:52 | 04/22/19 09:42 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *32 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |
| *2-Fluorophenol (Surr)* | *72* | | *29 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |
| *Nitrobenzene-d5 (Surr)* | *73* | | *30 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |
| *Phenol-d5 (Surr)* | *64* | | *29 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |
| *Terphenyl-d14 (Surr)* | *92* | | *41 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *45* | | *10 - 120* | *04/18/19 09:52* | *04/22/19 09:42* | *1* |

**Lab Sample ID: LCS 240-377132/9-A** **Client Sample ID: Lab Control Sample**
**Matrix: Solid** **Prep Type: Total/NA**
**Analysis Batch: 377539** **Prep Batch: 377132**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 667 | 428 | | ug/Kg | | 64 | 48 - 120 |
| Acenaphthylene | 667 | 415 | | ug/Kg | | 62 | 46 - 120 |
| Anthracene | 667 | 529 | | ug/Kg | | 79 | 51 - 120 |
| Benzo[a]anthracene | 667 | 523 | | ug/Kg | | 78 | 53 - 120 |
| Benzo[a]pyrene | 667 | 523 | | ug/Kg | | 78 | 50 - 120 |
| Benzo[b]fluoranthene | 667 | 560 | | ug/Kg | | 84 | 48 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-377132/9-A**
**Matrix: Solid**
**Analysis Batch: 377539**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377132**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Benzo[g,h,i]perylene | 667 | 548 | | ug/Kg | | 82 | 50 - 120 |
| Benzo[k]fluoranthene | 667 | 548 | | ug/Kg | | 82 | 51 - 120 |
| Bis(2-chloroethoxy)methane | 667 | 471 | | ug/Kg | | 71 | 50 - 120 |
| Bis(2-chloroethyl)ether | 667 | 515 | | ug/Kg | | 77 | 48 - 120 |
| Bis(2-ethylhexyl) phthalate | 667 | 580 | | ug/Kg | | 87 | 52 - 120 |
| 4-Bromophenyl phenyl ether | 667 | 502 | | ug/Kg | | 75 | 51 - 120 |
| Butylbenzylphthalate | 667 | 536 | | ug/Kg | | 80 | 53 - 120 |
| Carbazole | 667 | 531 | | ug/Kg | | 80 | 56 - 120 |
| 4-Chloroaniline | 667 | 326 | | ug/Kg | | 49 | 37 - 120 |
| 4-Chloro-3-methylphenol | 667 | 454 | | ug/Kg | | 68 | 47 - 120 |
| 2-Chloronaphthalene | 667 | 399 | | ug/Kg | | 60 | 49 - 120 |
| 2-Chlorophenol | 667 | 424 | | ug/Kg | | 64 | 50 - 120 |
| 4-Chlorophenyl phenyl ether | 667 | 461 | | ug/Kg | | 69 | 49 - 120 |
| Chrysene | 667 | 547 | | ug/Kg | | 82 | 54 - 120 |
| Dibenz(a,h)anthracene | 667 | 611 | | ug/Kg | | 92 | 48 - 120 |
| Dibenzofuran | 667 | 446 | | ug/Kg | | 67 | 49 - 120 |
| 1,2-Dichlorobenzene | 667 | 483 | | ug/Kg | | 72 | 48 - 120 |
| 1,3-Dichlorobenzene | 667 | 462 | | ug/Kg | | 69 | 47 - 120 |
| 1,4-Dichlorobenzene | 667 | 492 | | ug/Kg | | 74 | 48 - 120 |
| 3,3'-Dichlorobenzidine | 1330 | 791 | | ug/Kg | | 59 | 40 - 120 |
| 2,4-Dichlorophenol | 667 | 476 | | ug/Kg | | 71 | 48 - 120 |
| Diethyl phthalate | 667 | 472 | | ug/Kg | | 71 | 52 - 120 |
| 2,4-Dimethylphenol | 667 | 421 | | ug/Kg | | 63 | 37 - 120 |
| Dimethyl phthalate | 667 | 441 | | ug/Kg | | 66 | 53 - 120 |
| Di-n-butyl phthalate | 667 | 532 | | ug/Kg | | 80 | 56 - 120 |
| 4,6-Dinitro-2-methylphenol | 1330 | 681 | | ug/Kg | | 51 | 18 - 120 |
| 2,4-Dinitrophenol | 1330 | 327 | J | ug/Kg | | 25 | 10 - 120 |
| 2,4-Dinitrotoluene | 667 | 438 | | ug/Kg | | 66 | 53 - 120 |
| 2,6-Dinitrotoluene | 667 | 459 | | ug/Kg | | 69 | 54 - 120 |
| Di-n-octyl phthalate | 667 | 584 | | ug/Kg | | 88 | 42 - 120 |
| Fluoranthene | 667 | 513 | | ug/Kg | | 77 | 53 - 120 |
| Fluorene | 667 | 421 | | ug/Kg | | 63 | 50 - 120 |
| Hexachlorobenzene | 667 | 516 | | ug/Kg | | 77 | 46 - 120 |
| Hexachlorobutadiene | 667 | 468 | | ug/Kg | | 70 | 44 - 120 |
| Hexachlorocyclopentadiene | 667 | 231 | J | ug/Kg | | 35 | 14 - 120 |
| Hexachloroethane | 667 | 425 | | ug/Kg | | 64 | 45 - 120 |
| Indeno[1,2,3-cd]pyrene | 667 | 623 | | ug/Kg | | 93 | 49 - 120 |
| Isophorone | 667 | 482 | | ug/Kg | | 72 | 47 - 120 |
| 2-Methylnaphthalene | 667 | 537 | | ug/Kg | | 81 | 49 - 120 |
| 2-Methylphenol | 667 | 497 | | ug/Kg | | 75 | 49 - 120 |
| 3 & 4 Methylphenol | 667 | 486 | | ug/Kg | | 73 | 50 - 120 |
| Naphthalene | 667 | 479 | | ug/Kg | | 72 | 48 - 120 |
| 2-Nitroaniline | 667 | 482 | | ug/Kg | | 72 | 46 - 120 |
| 3-Nitroaniline | 667 | 409 | | ug/Kg | | 61 | 48 - 120 |
| 4-Nitroaniline | 667 | 471 | | ug/Kg | | 71 | 49 - 120 |
| Nitrobenzene | 667 | 471 | | ug/Kg | | 71 | 48 - 120 |
| 2-Nitrophenol | 667 | 510 | | ug/Kg | | 77 | 46 - 120 |
| 4-Nitrophenol | 1330 | 830 | | ug/Kg | | 62 | 42 - 120 |
| N-Nitrosodi-n-propylamine | 667 | 513 | | ug/Kg | | 77 | 49 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 240-377132/9-A**
**Matrix: Solid**
**Analysis Batch: 377539**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 377132**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| N-Nitrosodiphenylamine | 667 | 481 | | ug/Kg | | 72 | 53 - 120 |
| 2,2'-oxybis[1-chloropropane] | 667 | 484 | | ug/Kg | | 73 | 37 - 120 |
| Pentachlorophenol | 1330 | 741 | | ug/Kg | | 56 | 14 - 120 |
| Phenanthrene | 667 | 505 | | ug/Kg | | 76 | 52 - 120 |
| Phenol | 667 | 529 | | ug/Kg | | 79 | 49 - 120 |
| Pyrene | 667 | 532 | | ug/Kg | | 80 | 55 - 120 |
| 1,2,4-Trichlorobenzene | 667 | 500 | | ug/Kg | | 75 | 48 - 120 |
| 2,4,5-Trichlorophenol | 667 | 338 | | ug/Kg | | 51 | 34 - 120 |
| 2,4,6-Trichlorophenol | 667 | 299 | | ug/Kg | | 45 | 19 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *70* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *72* | | *29 - 120* |
| *Nitrobenzene-d5 (Surr)* | *69* | | *30 - 120* |
| *Phenol-d5 (Surr)* | *76* | | *29 - 120* |
| *Terphenyl-d14 (Surr)* | *93* | | *41 - 120* |
| *2,4,6-Tribromophenol (Surr)* | *41* | | *10 - 120* |

**Lab Sample ID: 240-110816-1 MS**
**Matrix: Solid**
**Analysis Batch: 377539**

**Client Sample ID: SD-041019-AG-027**
**Prep Type: Total/NA**
**Prep Batch: 377132**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 918 | 625 | | ug/Kg | ☼ | 68 | 36 - 120 |
| Acenaphthylene | ND | | 918 | 648 | | ug/Kg | ☼ | 71 | 35 - 120 |
| Anthracene | ND | | 918 | 793 | | ug/Kg | ☼ | 86 | 42 - 120 |
| Benzo[a]anthracene | 53 | | 918 | 742 | | ug/Kg | ☼ | 75 | 35 - 120 |
| Benzo[a]pyrene | 57 | | 918 | 744 | | ug/Kg | ☼ | 75 | 33 - 120 |
| Benzo[b]fluoranthene | 75 | | 918 | 803 | | ug/Kg | ☼ | 79 | 26 - 120 |
| Benzo[g,h,i]perylene | 180 | | 918 | 912 | | ug/Kg | ☼ | 79 | 16 - 120 |
| Benzo[k]fluoranthene | 15 | J | 918 | 789 | | ug/Kg | ☼ | 84 | 33 - 120 |
| Bis(2-chloroethoxy)methane | ND | | 918 | 609 | | ug/Kg | ☼ | 66 | 36 - 120 |
| Bis(2-chloroethyl)ether | ND | | 918 | 603 | | ug/Kg | ☼ | 66 | 33 - 120 |
| Bis(2-ethylhexyl) phthalate | ND | | 918 | 774 | | ug/Kg | ☼ | 84 | 40 - 120 |
| 4-Bromophenyl phenyl ether | ND | | 918 | 772 | | ug/Kg | ☼ | 84 | 44 - 120 |
| Butylbenzylphthalate | ND | | 918 | 745 | | ug/Kg | ☼ | 81 | 46 - 120 |
| Carbazole | ND | | 918 | 798 | | ug/Kg | ☼ | 87 | 35 - 120 |
| 4-Chloroaniline | ND | | 918 | 402 | | ug/Kg | ☼ | 44 | 15 - 120 |
| 4-Chloro-3-methylphenol | ND | | 918 | 745 | | ug/Kg | ☼ | 81 | 31 - 120 |
| 2-Chloronaphthalene | ND | | 918 | 580 | | ug/Kg | ☼ | 63 | 35 - 120 |
| 2-Chlorophenol | ND | | 918 | 605 | | ug/Kg | ☼ | 66 | 30 - 120 |
| 4-Chlorophenyl phenyl ether | ND | | 918 | 719 | | ug/Kg | ☼ | 78 | 41 - 120 |
| Chrysene | 120 | | 918 | 851 | | ug/Kg | ☼ | 79 | 33 - 120 |
| Dibenz(a,h)anthracene | ND | | 918 | 743 | | ug/Kg | ☼ | 81 | 30 - 120 |
| Dibenzofuran | 170 | | 918 | 907 | | ug/Kg | ☼ | 80 | 37 - 120 |
| 1,2-Dichlorobenzene | ND | | 918 | 579 | | ug/Kg | ☼ | 63 | 33 - 120 |
| 1,3-Dichlorobenzene | ND | | 918 | 571 | | ug/Kg | ☼ | 62 | 32 - 120 |
| 1,4-Dichlorobenzene | ND | | 918 | 543 | | ug/Kg | ☼ | 59 | 28 - 120 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110816-1 MS**
**Client Sample ID: SD-041019-AG-027**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 377539**
**Prep Batch: 377132**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| 3,3'-Dichlorobenzidine | ND | F1 | 1840 | 80.6 | J F1 | ug/Kg | ☼ | 4 | 10 - 120 |
| 2,4-Dichlorophenol | ND | | 918 | 722 | | ug/Kg | ☼ | 79 | 32 - 120 |
| Diethyl phthalate | ND | | 918 | 718 | | ug/Kg | ☼ | 78 | 44 - 120 |
| 2,4-Dimethylphenol | ND | | 918 | 752 | | ug/Kg | ☼ | 82 | 28 - 120 |
| Dimethyl phthalate | ND | | 918 | 658 | | ug/Kg | ☼ | 72 | 42 - 120 |
| Di-n-butyl phthalate | ND | | 918 | 767 | | ug/Kg | ☼ | 84 | 45 - 120 |
| 4,6-Dinitro-2-methylphenol | ND | | 1840 | 1150 | | ug/Kg | ☼ | 63 | 10 - 120 |
| 2,4-Dinitrophenol | ND | | 1840 | 816 | | ug/Kg | ☼ | 44 | 10 - 120 |
| 2,4-Dinitrotoluene | ND | | 918 | 658 | | ug/Kg | ☼ | 72 | 38 - 120 |
| 2,6-Dinitrotoluene | ND | | 918 | 738 | | ug/Kg | ☼ | 80 | 43 - 120 |
| Di-n-octyl phthalate | ND | | 918 | 748 | | ug/Kg | ☼ | 81 | 35 - 120 |
| Fluoranthene | 120 | | 918 | 853 | | ug/Kg | ☼ | 80 | 26 - 121 |
| Fluorene | 22 | | 918 | 651 | | ug/Kg | ☼ | 69 | 36 - 120 |
| Hexachlorobenzene | ND | | 918 | 714 | | ug/Kg | ☼ | 78 | 36 - 120 |
| Hexachlorobutadiene | ND | | 918 | 568 | | ug/Kg | ☼ | 62 | 31 - 120 |
| Hexachlorocyclopentadiene | ND | F1 | 918 | ND | F1 | ug/Kg | ☼ | 0 | 10 - 120 |
| Hexachloroethane | ND | F2 | 918 | 399 | | ug/Kg | ☼ | 43 | 15 - 120 |
| Indeno[1,2,3-cd]pyrene | ND | | 918 | 816 | | ug/Kg | ☼ | 89 | 24 - 120 |
| Isophorone | ND | | 918 | 590 | | ug/Kg | ☼ | 64 | 34 - 120 |
| 2-Methylnaphthalene | 740 | F1 | 918 | 2120 | F1 | ug/Kg | ☼ | 150 | 31 - 120 |
| 2-Methylphenol | ND | | 918 | 676 | | ug/Kg | ☼ | 74 | 31 - 120 |
| 3 & 4 Methylphenol | ND | | 918 | 632 | | ug/Kg | ☼ | 69 | 33 - 120 |
| Naphthalene | 510 | F1 | 918 | 1720 | F1 | ug/Kg | ☼ | 132 | 29 - 120 |
| 2-Nitroaniline | ND | | 918 | 758 | | ug/Kg | ☼ | 82 | 29 - 120 |
| 3-Nitroaniline | ND | | 918 | 271 | J | ug/Kg | ☼ | 30 | 21 - 120 |
| 4-Nitroaniline | ND | | 918 | 225 | J | ug/Kg | ☼ | 25 | 23 - 120 |
| Nitrobenzene | ND | | 918 | 549 | | ug/Kg | ☼ | 60 | 33 - 120 |
| 2-Nitrophenol | ND | | 918 | 638 | | ug/Kg | ☼ | 69 | 26 - 120 |
| 4-Nitrophenol | ND | | 1840 | 1490 | | ug/Kg | ☼ | 81 | 32 - 120 |
| N-Nitrosodi-n-propylamine | ND | | 918 | 603 | | ug/Kg | ☼ | 66 | 32 - 120 |
| N-Nitrosodiphenylamine | ND | | 918 | 786 | | ug/Kg | ☼ | 86 | 29 - 120 |
| 2,2'-oxybis[1-chloropropane] | ND | | 918 | 597 | | ug/Kg | ☼ | 65 | 26 - 120 |
| Pentachlorophenol | ND | | 1840 | 1050 | | ug/Kg | ☼ | 57 | 10 - 120 |
| Phenanthrene | 500 | | 918 | 1400 | | ug/Kg | ☼ | 97 | 28 - 120 |
| Phenol | ND | | 918 | 737 | | ug/Kg | ☼ | 80 | 21 - 120 |
| Pyrene | 160 | | 918 | 889 | | ug/Kg | ☼ | 79 | 28 - 120 |
| 1,2,4-Trichlorobenzene | ND | | 918 | 598 | | ug/Kg | ☼ | 65 | 34 - 120 |
| 2,4,5-Trichlorophenol | ND | | 918 | 736 | | ug/Kg | ☼ | 80 | 20 - 120 |
| 2,4,6-Trichlorophenol | ND | | 918 | 644 | | ug/Kg | ☼ | 70 | 19 - 120 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *69* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *73* | | *29 - 120* |
| *Nitrobenzene-d5 (Surr)* | *67* | | *30 - 120* |
| *Phenol-d5 (Surr)* | *73* | | *29 - 120* |
| *Terphenyl-d14 (Surr)* | *93* | | *41 - 120* |
| *2,4,6-Tribromophenol (Surr)* | *72* | | *10 - 120* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110816-1 MSD**
**Client Sample ID: SD-041019-AG-027**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 377539**
**Prep Batch: 377132**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 921 | 603 | | ug/Kg | ☼ | 66 | 36 - 120 | 4 | 28 |
| Acenaphthylene | ND | | 921 | 627 | | ug/Kg | ☼ | 68 | 35 - 120 | 3 | 26 |
| Anthracene | ND | | 921 | 726 | | ug/Kg | ☼ | 79 | 42 - 120 | 9 | 32 |
| Benzo[a]anthracene | 53 | | 921 | 782 | | ug/Kg | ☼ | 79 | 35 - 120 | 5 | 40 |
| Benzo[a]pyrene | 57 | | 921 | 854 | | ug/Kg | ☼ | 87 | 33 - 120 | 14 | 40 |
| Benzo[b]fluoranthene | 75 | | 921 | 857 | | ug/Kg | ☼ | 85 | 26 - 120 | 7 | 40 |
| Benzo[g,h,i]perylene | 180 | | 921 | 921 | | ug/Kg | ☼ | 80 | 16 - 120 | 1 | 40 |
| Benzo[k]fluoranthene | 15 | J | 921 | 900 | | ug/Kg | ☼ | 96 | 33 - 120 | 13 | 40 |
| Bis(2-chloroethoxy)methane | ND | | 921 | 608 | | ug/Kg | ☼ | 66 | 36 - 120 | 0 | 33 |
| Bis(2-chloroethyl)ether | ND | | 921 | 603 | | ug/Kg | ☼ | 65 | 33 - 120 | 0 | 36 |
| Bis(2-ethylhexyl) phthalate | ND | | 921 | 814 | | ug/Kg | ☼ | 88 | 40 - 120 | 5 | 28 |
| 4-Bromophenyl phenyl ether | ND | | 921 | 682 | | ug/Kg | ☼ | 74 | 44 - 120 | 12 | 40 |
| Butylbenzylphthalate | ND | | 921 | 746 | | ug/Kg | ☼ | 81 | 46 - 120 | 0 | 39 |
| Carbazole | ND | | 921 | 757 | | ug/Kg | ☼ | 82 | 35 - 120 | 5 | 34 |
| 4-Chloroaniline | ND | | 921 | 400 | | ug/Kg | ☼ | 43 | 15 - 120 | 0 | 36 |
| 4-Chloro-3-methylphenol | ND | | 921 | 800 | | ug/Kg | ☼ | 87 | 31 - 120 | 7 | 25 |
| 2-Chloronaphthalene | ND | | 921 | 533 | | ug/Kg | ☼ | 58 | 35 - 120 | 8 | 30 |
| 2-Chlorophenol | ND | | 921 | 491 | | ug/Kg | ☼ | 53 | 30 - 120 | 21 | 37 |
| 4-Chlorophenyl phenyl ether | ND | | 921 | 690 | | ug/Kg | ☼ | 75 | 41 - 120 | 4 | 40 |
| Chrysene | 120 | | 921 | 878 | | ug/Kg | ☼ | 82 | 33 - 120 | 3 | 40 |
| Dibenz(a,h)anthracene | ND | | 921 | 819 | | ug/Kg | ☼ | 89 | 30 - 120 | 10 | 40 |
| Dibenzofuran | 170 | | 921 | 877 | | ug/Kg | ☼ | 76 | 37 - 120 | 3 | 28 |
| 1,2-Dichlorobenzene | ND | | 921 | 472 | | ug/Kg | ☼ | 51 | 33 - 120 | 20 | 31 |
| 1,3-Dichlorobenzene | ND | | 921 | 509 | | ug/Kg | ☼ | 55 | 32 - 120 | 12 | 32 |
| 1,4-Dichlorobenzene | ND | | 921 | 477 | | ug/Kg | ☼ | 52 | 28 - 120 | 13 | 40 |
| 3,3'-Dichlorobenzidine | ND | F1 | 1840 | ND | F1 | ug/Kg | ☼ | 0 | 10 - 120 | NC | 40 |
| 2,4-Dichlorophenol | ND | | 921 | 751 | | ug/Kg | ☼ | 82 | 32 - 120 | 4 | 32 |
| Diethyl phthalate | ND | | 921 | 690 | | ug/Kg | ☼ | 75 | 44 - 120 | 4 | 26 |
| 2,4-Dimethylphenol | ND | | 921 | 637 | | ug/Kg | ☼ | 69 | 28 - 120 | 17 | 35 |
| Dimethyl phthalate | ND | | 921 | 666 | | ug/Kg | ☼ | 72 | 42 - 120 | 1 | 35 |
| Di-n-butyl phthalate | ND | | 921 | 766 | | ug/Kg | ☼ | 83 | 45 - 120 | 0 | 28 |
| 4,6-Dinitro-2-methylphenol | ND | | 1840 | 1100 | | ug/Kg | ☼ | 60 | 10 - 120 | 4 | 40 |
| 2,4-Dinitrophenol | ND | | 1840 | 933 | | ug/Kg | ☼ | 51 | 10 - 120 | 13 | 40 |
| 2,4-Dinitrotoluene | ND | | 921 | 686 | | ug/Kg | ☼ | 75 | 38 - 120 | 4 | 27 |
| 2,6-Dinitrotoluene | ND | | 921 | 697 | | ug/Kg | ☼ | 76 | 43 - 120 | 6 | 31 |
| Di-n-octyl phthalate | ND | | 921 | 843 | | ug/Kg | ☼ | 92 | 35 - 120 | 12 | 33 |
| Fluoranthene | 120 | | 921 | 859 | | ug/Kg | ☼ | 81 | 26 - 121 | 1 | 40 |
| Fluorene | 22 | | 921 | 643 | | ug/Kg | ☼ | 67 | 36 - 120 | 1 | 28 |
| Hexachlorobenzene | ND | | 921 | 678 | | ug/Kg | ☼ | 74 | 36 - 120 | 5 | 25 |
| Hexachlorobutadiene | ND | | 921 | 537 | | ug/Kg | ☼ | 58 | 31 - 120 | 6 | 35 |
| Hexachlorocyclopentadiene | ND | F1 | 921 | ND | F1 | ug/Kg | ☼ | 0 | 10 - 120 | NC | 40 |
| Hexachloroethane | ND | F2 | 921 | 261 | F2 | ug/Kg | ☼ | 28 | 15 - 120 | 42 | 40 |
| Indeno[1,2,3-cd]pyrene | ND | | 921 | 858 | | ug/Kg | ☼ | 93 | 24 - 120 | 5 | 40 |
| Isophorone | ND | | 921 | 608 | | ug/Kg | ☼ | 66 | 34 - 120 | 3 | 32 |
| 2-Methylnaphthalene | 740 | F1 | 921 | 1890 | F1 | ug/Kg | ☼ | 125 | 31 - 120 | 12 | 33 |
| 2-Methylphenol | ND | | 921 | 632 | | ug/Kg | ☼ | 69 | 31 - 120 | 7 | 36 |
| 3 & 4 Methylphenol | ND | | 921 | 646 | | ug/Kg | ☼ | 70 | 33 - 120 | 2 | 29 |
| Naphthalene | 510 | F1 | 921 | 1410 | | ug/Kg | ☼ | 98 | 29 - 120 | 20 | 34 |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 240-110816-1 MSD** **Client Sample ID: SD-041019-AG-027**
**Matrix: Solid** **Prep Type: Total/NA**
**Analysis Batch: 377539** **Prep Batch: 377132**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-Nitroaniline | ND | | 921 | 694 | | ug/Kg | ☼ | 75 | 29 - 120 | 9 | 31 |
| 3-Nitroaniline | ND | | 921 | 351 | | ug/Kg | ☼ | 38 | 21 - 120 | 26 | 40 |
| 4-Nitroaniline | ND | | 921 | 214 | J | ug/Kg | ☼ | 23 | 23 - 120 | 5 | 40 |
| Nitrobenzene | ND | | 921 | 569 | | ug/Kg | ☼ | 62 | 33 - 120 | 4 | 40 |
| 2-Nitrophenol | ND | | 921 | 717 | | ug/Kg | ☼ | 78 | 26 - 120 | 12 | 38 |
| 4-Nitrophenol | ND | | 1840 | 1400 | | ug/Kg | ☼ | 76 | 32 - 120 | 6 | 31 |
| N-Nitrosodi-n-propylamine | ND | | 921 | 544 | | ug/Kg | ☼ | 59 | 32 - 120 | 10 | 32 |
| N-Nitrosodiphenylamine | ND | | 921 | 741 | | ug/Kg | ☼ | 80 | 29 - 120 | 6 | 30 |
| 2,2'-oxybis[1-chloropropane] | ND | | 921 | 486 | | ug/Kg | ☼ | 53 | 26 - 120 | 21 | 31 |
| Pentachlorophenol | ND | | 1840 | 1050 | | ug/Kg | ☼ | 57 | 10 - 120 | 0 | 40 |
| Phenanthrene | 500 | | 921 | 1440 | | ug/Kg | ☼ | 102 | 28 - 120 | 3 | 40 |
| Phenol | ND | | 921 | 635 | | ug/Kg | ☼ | 69 | 21 - 120 | 15 | 40 |
| Pyrene | 160 | | 921 | 931 | | ug/Kg | ☼ | 84 | 28 - 120 | 5 | 40 |
| 1,2,4-Trichlorobenzene | ND | | 921 | 580 | | ug/Kg | ☼ | 63 | 34 - 120 | 3 | 32 |
| 2,4,5-Trichlorophenol | ND | | 921 | 653 | | ug/Kg | ☼ | 71 | 20 - 120 | 12 | 38 |
| 2,4,6-Trichlorophenol | ND | | 921 | 659 | | ug/Kg | ☼ | 72 | 19 - 120 | 2 | 36 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl (Surr)* | *67* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *61* | | *29 - 120* |
| *Nitrobenzene-d5 (Surr)* | *63* | | *30 - 120* |
| *Phenol-d5 (Surr)* | *62* | | *29 - 120* |
| *Terphenyl-d14 (Surr)* | *94* | | *41 - 120* |
| *2,4,6-Tribromophenol (Surr)* | *78* | | *10 - 120* |

## Method: Moisture - Percent Moisture

**Lab Sample ID: 240-110816-1 DU** **Client Sample ID: SD-041019-AG-027**
**Matrix: Solid** **Prep Type: Total/NA**
**Analysis Batch: 376257**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent Solids | 72.2 | | | 68.5 | | % | | | | 5 | 20 |

# QC Association Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## GC/MS VOA

### Prep Batch: 376275

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Total/NA | Solid | 5035 | |
| 240-110816-2 | SD-041019-AG-029 | Total/NA | Solid | 5035 | |
| 240-110816-1 MS | SD-041019-AG-027 | Total/NA | Solid | 5035 | |
| 240-110816-1 MSD | SD-041019-AG-027 | Total/NA | Solid | 5035 | |

### Analysis Batch: 376681

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Total/NA | Solid | 8260C | 376275 |
| 240-110816-2 | SD-041019-AG-029 | Total/NA | Solid | 8260C | 376275 |
| MB 240-376681/7 | Method Blank | Total/NA | Solid | 8260C | |
| LCS 240-376681/5 | Lab Control Sample | Total/NA | Solid | 8260C | |
| 240-110816-1 MS | SD-041019-AG-027 | Total/NA | Solid | 8260C | 376275 |
| 240-110816-1 MSD | SD-041019-AG-027 | Total/NA | Solid | 8260C | 376275 |

### Analysis Batch: 377223

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-3 | RB-041019-AG-031 | Total/NA | Water | 8260C | |
| MB 240-377223/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377223/5 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376187

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-2 | SD-041019-AG-029 | Total/NA | Solid | 3540C | |
| MB 240-376187/19-A | Method Blank | Total/NA | Solid | 3540C | |
| LCS 240-376187/20-A | Lab Control Sample | Total/NA | Solid | 3540C | |

### Analysis Batch: 376641

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-2 | SD-041019-AG-029 | Total/NA | Solid | 8270D | 376187 |
| MB 240-376187/19-A | Method Blank | Total/NA | Solid | 8270D | 376187 |
| LCS 240-376187/20-A | Lab Control Sample | Total/NA | Solid | 8270D | 376187 |

### Prep Batch: 376702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-3 | RB-041019-AG-031 | Total/NA | Water | 3510C | |
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Analysis Batch: 376831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-3 | RB-041019-AG-031 | Total/NA | Water | 8270D | 376702 |

### Analysis Batch: 377069

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-376702/25-A | Method Blank | Total/NA | Water | 8270D | 376702 |
| LCS 240-376702/26-A | Lab Control Sample | Total/NA | Water | 8270D | 376702 |

# QC Association Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## GC/MS Semi VOA

### Prep Batch: 377132

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Total/NA | Solid | 3540C | |
| MB 240-377132/8-A | Method Blank | Total/NA | Solid | 3540C | |
| LCS 240-377132/9-A | Lab Control Sample | Total/NA | Solid | 3540C | |
| 240-110816-1 MS | SD-041019-AG-027 | Total/NA | Solid | 3540C | |
| 240-110816-1 MSD | SD-041019-AG-027 | Total/NA | Solid | 3540C | |

### Analysis Batch: 377539

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Total/NA | Solid | 8270D | 377132 |
| MB 240-377132/8-A | Method Blank | Total/NA | Solid | 8270D | 377132 |
| LCS 240-377132/9-A | Lab Control Sample | Total/NA | Solid | 8270D | 377132 |
| 240-110816-1 MS | SD-041019-AG-027 | Total/NA | Solid | 8270D | 377132 |
| 240-110816-1 MSD | SD-041019-AG-027 | Total/NA | Solid | 8270D | 377132 |

## General Chemistry

### Analysis Batch: 376257

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110816-1 | SD-041019-AG-027 | Total/NA | Solid | Moisture | |
| 240-110816-2 | SD-041019-AG-029 | Total/NA | Solid | Moisture | |
| 240-110816-1 DU | SD-041019-AG-027 | Total/NA | Solid | Moisture | |

# Lab Chronicle

Client: Eagon & Associates, Inc. Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## Client Sample ID: SD-041019-AG-027 Lab Sample ID: 240-110816-1
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 376257 | 04/12/19 11:15 | BLW | TAL CAN |

## Client Sample ID: SD-041019-AG-027 Lab Sample ID: 240-110816-1
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 72.2**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 376275 | 04/11/19 16:55 | LAM | TAL CAN |
| Total/NA | Analysis | 8260C | | 1 | 376681 | 04/16/19 20:37 | SAM | TAL CAN |
| Total/NA | Prep | 3540C | | | 377132 | 04/18/19 11:28 | EMB | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377539 | 04/22/19 12:56 | JMG | TAL CAN |

## Client Sample ID: SD-041019-AG-029 Lab Sample ID: 240-110816-2
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | Moisture | | 1 | 376257 | 04/12/19 11:15 | BLW | TAL CAN |

## Client Sample ID: SD-041019-AG-029 Lab Sample ID: 240-110816-2
**Date Collected: 04/10/19 14:25** **Matrix: Solid**
**Date Received: 04/11/19 08:00** **Percent Solids: 71.1**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 376275 | 04/11/19 16:55 | LAM | TAL CAN |
| Total/NA | Analysis | 8260C | | 1 | 376681 | 04/16/19 21:44 | SAM | TAL CAN |
| Total/NA | Prep | 3540C | | | 376187 | 04/12/19 06:39 | EMB | TAL CAN |
| Total/NA | Analysis | 8270D | | 2.5 | 376641 | 04/16/19 19:33 | JMG | TAL CAN |

## Client Sample ID: RB-041019-AG-031 Lab Sample ID: 240-110816-3
**Date Collected: 04/10/19 15:10** **Matrix: Water**
**Date Received: 04/11/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377223 | 04/19/19 02:05 | TJL1 | TAL CAN |
| Total/NA | Prep | 3510C | | | 376702 | 04/16/19 10:48 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 376831 | 04/17/19 19:17 | TMH | TAL CAN |

**Laboratory References:**
TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110816-1
Project/Site: Summit National Superfund Site-Sediment

## Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2927 | 02-23-20 |
| Connecticut | State | PH-0590 | 12-31-19 |
| Georgia | State | 4062 | 02-23-20 |
| Kentucky (UST) | State | 112225 | 02-23-20 |
| Kentucky (WW) | State | KY98016 | 12-31-19 |
| Minnesota | NELAP | OH00048 | 12-31-19 |
| Minnesota (Petrofund) | State Program | 3506 | 07-31-21 |
| Nevada | State Program | OH00048 | 07-31-19 |
| New York | NELAP | 10975 | 03-31-20 |
| Oregon | NELAP | 4062 | 02-23-20 |
| USDA | US Federal Programs | P330-16-00404 | 12-28-19 |
| Washington | State | C971 | 01-12-20 |
| West Virginia DEP | State | 210 | 12-31-19 |

# Chain of Custody Record 320897

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

| Client Contact | Project Manager: Mzke Gibson | Site Contact: SNFT | Date: 4/10/19 | COC No: 320897 |
|---|---|---|---|---|
| Company Name: Eagon and Associates, INC. | Tel/Fax: (614) 888-5760/3 | Lab Contact: Patrick O'Meara | Carrier: LAB Courier | 1 of 1 COCs |
| Address: 100 old Wilson Bridge Road, Suite 115 | Analysis Turnaround Time | | | Sampler: AG |
| City/State/Zip: Worthington, OHIO 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 / (614) 888-5769 Fax | TAT if different from Below | | | Walk-in Client: |
| Fax: | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: Summit National - Sediment | ☐ 1 week | | | Job / SDG No.: |
| Site: Summit National | ☐ 2 days | | | |
| PO # | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | Moisture Content (Comp) | Project VOCs - Tentatively (G) | Project TCL SVOCs (Comp) | Project TCL VOCs (G) | TCL SVOCs (Lab) | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SD-041019-AG-027 | 4/10/19 | 1425 | G/C | S | 5 | N | N | X | X | X | | | |
| SD-041019-AG-029 | 4/10/19 | 1425 | G/C | S | 5 | N | N | X | X | X | | | |
| SD-041019-AG-027MS | 4/10/19 | 1425 | G/C | S | 5 | N | N | X | X | X | | | MS for 027 |
| SD-041019-AG-027-MSD | 4/10/19 | 1425 | G/C | S | 5 | N | N | X | X | X | | | MSD for 027 |
| RB-041019-AG-031 | 4/10/19 | 1510 | G | W | 5 | N | N | | | | X | X | |
| TRIP BLANK | — | | | W | 2 | N | N | | | | X | | |
| | | | | | | | | 1 | 1,6 | 1 | 1,2 | 1 | |

240-110816 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Methanol

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

**Special Instructions/QC Requirements & Comments:**

| Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____ |
|---|---|---|---|

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Mzke Gibson | Eagon + Assoc | 4/10/19 @ 1715 | | TAI 240 | 4/10/19-1715 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | TAI 4/10/19 | 1822 | | TAL | 04/11/19 800 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # :** 110816
**Canton Facility**

Client Eagon + Associates Site Name

Cooler unpacked by: DSD

Cooler Received on 04/11/19 Opened on 04/11/19

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other

**Receipt After-hours**: Drop-off Date/Time Storage Location

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 each | Yes | No |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes | No NA |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes | No |
| -Were tamper/custody seals intact and uncompromised? | Yes | No NA |
| 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 all preserved sample(s) at the correct pH upon receipt? | Yes | No NA pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | Yes | No |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No NA |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ | Yes | No |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes | No |

**Tests that are not checked for pH by Receiving:**

**VOAs**
**Oil and Grease**
**TOC**

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES**

Samples processed by: DSD

**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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Login # : 110816

| TestAmerica Canton Sample Receipt Multiple Cooler Form | | | |
|---|---|---|---|
| Cooler Description (Circle) | IR Gun # (Circle) | Observed Temp °C | Corrected Temp °C | Coolant (Circle) |
| (TA) Client Box Other | (IR-8) #36 | 1.6 | 1.4 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 2.0 | 1.8 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 1.4 | 1.2 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 0.8 | 0.6 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 2.4 | 2.2 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 1.2 | 1.0 | (Wet Ice) Blue Ice Dry Ice Water None |
| (TA) Client Box Other | (IR-8) #36 | 0.6 | 0.4 | (Wet Ice) Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
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| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| TA Client Box Other | IR-8 #36 | | | Wet Ice Blue Ice Dry Ice Water None |
| ☐ See Temperature Excursion Form | | | | |

*WI-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers*

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: SE 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

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-1/8 inch (2.4 ml/ft), X-Other

X-Other: SS spoon & 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1425 | | | | | | |

## FIELD COMMENTS

**Sample Appearance:** DARK GRAY Odor: NONE Color: DARK GRAY/BLK Other: —

**Weather Conditions** (at sample time): Wind Speed/Direction: ~5-15 mph/N Air Temp: ~50°F Precipitation: Y or (N)

**Specific Comments** (including purge/well volume calculations if required): Collected sediment by scooping sediment w/ S.S. trowel into a S.S. bowl; collected TCL VOCs first, then homogenized sample in bowl before filling the rest of the containers.

Sample ID #'s SD-041019-AG-027 Collected sample @ confluence of S&E ditches*

SD-041019-AG-027MS

SD-041019-AG-027MSD Sample Collected

SD-041019-AG-029 (DUPLICATE) TCL VOCs, TCL SVOCs

* ~ 1-2' below water surface near MW-113.

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

| Date | Name | Signature | Company |
|---|---|---|---|
| 4/10/19 | Andrew D. Graham | | Eagon & Associates, Inc. |

**DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy**

EA-100-A D: 6/03

# FIELD INFORMATION FORM

Site Name: Summit National

Sample Point: SJE Ditch Sediment 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: —

Sampling Device: X

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-1/8 inch (2.4 ml/ft); X -Other

X-Other: SS spoon and 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) | Other |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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) | OTHER |
|---|---|---|---|---|---|---|---|
| 04 10 19 | 15 10 | | 5 2 3 | 1 4 8 1 | 1 2 9 | 0 9 1 | — |

**FIELD COMMENTS**

Sample Appearance: Clear Odor: None Color: None Other: —

Weather Conditions (at sample time): Wind Speed/Direction: N 5-15 mph / N Air Temp: N 50°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required): Sediment rinsate blank collected by pouring laboratory-supplied deionized water into S.S. bowl used to mix sediment; S.S. bowl was rinsed/decanted w/ deionized water prior to collecting rinse blank.

Sample ID#: RB-041019-AG-031

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 / 10 / 19 | Andrew D. Graham | | EA Engineering & Associates, Inc |

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

EA-100-A D: 6/03

# FIELD METER CALIBRATION RECORD

Project Name: *Summit National Superfund Site* Sampler(s): A. Graham

**pH Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Buffer Brand/Expiration: pH 4 IE / 10-20-20 ; pH 7 IE / 11-3-20 ; 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) |
|---|---|---|---|---|---|---|
| 4/10/19 | 1234 | Calibrate | 4.01 | 7.02 | — | 13.0 |

**Conductivity/Temp. Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Cond. Solution Brand/Expiration: IE / 11-2-19 Cond. Solution Value (@ 25 °C): 1413 / 4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1232 | Calibrate | 1413 / 4460 | 14.1 / 18.7 | |

**Turbidity Meter(s):** Make/Model/Serial No.: HACH 2100P / 08030C028697

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1240 | check | 4.55 | 4.68 | |

Sampler (Name): Andrew D. Graham Sampler (Signature):

# APPENDIX I.

# RESIDENTIAL WELL SAMPLING RESULTS

# SAMPLE IDENTIFICATION SUMMARY
# APRIL 2019 (5-YEAR) SAMPLING EVENT
# SUMMIT NATIONAL SUPERFUND SITE

| Sample ID | Sample Name | Lab ID |
|---|---|---|
| Residential Well #1 | RW-041019-AG-049 | 240-110864-1 |
| Residential Well #2 | RW-041019-AG-051 | 240-110864-2 |
| Residential Well #3 | RW-041019-AG-053 | 240-110864-3 |

eurofins | Environment Testing TestAmerica

# ANALYTICAL REPORT

Eurofins TestAmerica, Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

Laboratory Job ID: 240-110864-1
Client Project/Site: Summit National Superfund Site-RW

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:*
*4/24/2019 2:12:48 PM*

Patrick O'Meara, Manager of Project Management
(330)966-5725
patrick.omeara@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Eagon & Associates, Inc. Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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 | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| 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 (Radiochemistry) |
| 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: 240-110864-1

**Laboratory: Eurofins TestAmerica, Canton**

**Narrative**

# CASE NARRATIVE

## Client: Eagon & Associates, Inc.

## Project: Summit National Superfund Site-RW

## Report Number: 240-110864-1

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.

Eurofins TestAmerica, Canton attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins 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 Eurofins TestAmerica and its client.

**RECEIPT**

The samples were received on 4/12/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

**VOLATILE ORGANIC COMPOUNDS (GCMS)**

Samples RW-041019-AG-049 (240-110864-1), RW-041019-AG-051 (240-110864-2) and RW-041019-AG-053 (240-110864-3) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 04/22/2019.

The following volatile sample was analyzed with significant headspace in the sample container(s): RW-041019-AG-049 (240-110864-1). Significant headspace is defined as a bubble greater than 6 mm in diameter.

The continuing calibration verification (CCV) analyzed in batch 240-377615 was outside the method criteria for the following analyte: trans-1.2-Dichloroethene. 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 analyte is considered estimated. RW-041019-AG-049 (240-110864-1), RW-041019-AG-051 (240-110864-2), and RW-041019-AG-053 (240-110864-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)**

## Job ID: 240-110864-1 (Continued)

### Laboratory: Eurofins TestAmerica, Canton (Continued)

Samples RW-041019-AG-049 (240-110864-1), RW-041019-AG-051 (240-110864-2) and RW-041019-AG-053 (240-110864-3) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/16/2019 and analyzed on 04/23/2019.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-376703.

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.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL CAN |
| 8270D | Semivolatile Organic Compounds (GC/MS) | SW846 | TAL CAN |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL CAN |
| 5030C | Purge and Trap | 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 = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Sample Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 240-110864-1 | RW-041019-AG-049 | Water | 04/10/19 16:45 | 04/12/19 08:00 |
| 240-110864-2 | RW-041019-AG-051 | Water | 04/10/19 17:15 | 04/12/19 08:00 |
| 240-110864-3 | RW-041019-AG-053 | Water | 04/10/19 17:45 | 04/12/19 08:00 |

# Detection Summary

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

## Client Sample ID: RW-041019-AG-049
## Lab Sample ID: 240-110864-1

No Detections.

## Client Sample ID: RW-041019-AG-051
## Lab Sample ID: 240-110864-2

No Detections.

## Client Sample ID: RW-041019-AG-053
## Lab Sample ID: 240-110864-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | 2.2 | J | 4.5 | 2.0 | ug/L | 1 | | 8270D | Total/NA |

This Detection Summary does not include radiochemical test results.

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

**Client Sample ID: RW-041019-AG-049**
**Lab Sample ID: 240-110864-1**
**Date Collected: 04/10/19 16:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

## 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 | 0.24 | ug/L | | | 04/22/19 14:37 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 14:37 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 14:37 | 1 |
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 14:37 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 14:37 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 14:37 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 14:37 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 14:37 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 14:37 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 14:37 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 14:37 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 14:37 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 14:37 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 14:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *84* | | *70 - 121* | | *04/22/19 14:37* | *1* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *59 - 120* | | *04/22/19 14:37* | *1* |
| *Dibromofluoromethane (Surr)* | *87* | | *75 - 128* | | *04/22/19 14:37* | *1* |
| *Toluene-d8 (Surr)* | *92* | | *70 - 123* | | *04/22/19 14:37* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/23/19 16:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol (Surr)* | *75* | | *33 - 120* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |
| *2-Fluorobiphenyl (Surr)* | *79* | | *32 - 120* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |
| *2-Fluorophenol (Surr)* | *62* | | *17 - 120* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |
| *Nitrobenzene-d5 (Surr)* | *87* | | *35 - 120* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |
| *Phenol-d5 (Surr)* | *52* | | *15 - 120* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |
| *Terphenyl-d14 (Surr)* | *89* | | *28 - 128* | *04/16/19 10:54* | *04/23/19 16:33* | *1* |

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

**Client Sample ID: RW-041019-AG-051**
**Lab Sample ID: 240-110864-2**
**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

## 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 | 0.24 | ug/L | | | 04/22/19 15:00 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 15:00 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 15:00 | 1 |
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 15:00 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 15:00 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 15:00 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 15:00 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 15:00 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 15:00 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 15:00 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 15:00 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 15:00 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 15:00 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 15:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *85* | | *70 - 121* | | *04/22/19 15:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *59 - 120* | | *04/22/19 15:00* | *1* |
| *Dibromofluoromethane (Surr)* | *87* | | *75 - 128* | | *04/22/19 15:00* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *70 - 123* | | *04/22/19 15:00* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | ND | | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/23/19 16:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol (Surr)* | *72* | | *33 - 120* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |
| *2-Fluorobiphenyl (Surr)* | *77* | | *32 - 120* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |
| *2-Fluorophenol (Surr)* | *74* | | *17 - 120* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |
| *Nitrobenzene-d5 (Surr)* | *82* | | *35 - 120* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |
| *Phenol-d5 (Surr)* | *54* | | *15 - 120* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |
| *Terphenyl-d14 (Surr)* | *86* | | *28 - 128* | *04/16/19 10:54* | *04/23/19 16:57* | *1* |

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

**Client Sample ID: RW-041019-AG-053**
**Lab Sample ID: 240-110864-3**
**Date Collected: 04/10/19 17:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

## 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 | 0.24 | ug/L | | | 04/22/19 15:22 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 15:22 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 15:22 | 1 |
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 15:22 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 15:22 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 15:22 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 15:22 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 15:22 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 15:22 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 15:22 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 15:22 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 15:22 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 15:22 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 15:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *82* | | *70 - 121* | | *04/22/19 15:22* | *1* |
| *4-Bromofluorobenzene (Surr)* | *96* | | *59 - 120* | | *04/22/19 15:22* | *1* |
| *Dibromofluoromethane (Surr)* | *85* | | *75 - 128* | | *04/22/19 15:22* | *1* |
| *Toluene-d8 (Surr)* | *90* | | *70 - 123* | | *04/22/19 15:22* | *1* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Bis(2-ethylhexyl) phthalate** | **2.2** | **J** | 4.5 | 2.0 | ug/L | | 04/16/19 10:54 | 04/23/19 17:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol (Surr)* | *69* | | *33 - 120* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |
| *2-Fluorobiphenyl (Surr)* | *82* | | *32 - 120* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |
| *2-Fluorophenol (Surr)* | *69* | | *17 - 120* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |
| *Nitrobenzene-d5 (Surr)* | *87* | | *35 - 120* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |
| *Terphenyl-d14 (Surr)* | *94* | | *28 - 128* | *04/16/19 10:54* | *04/23/19 17:22* | *1* |

# Surrogate Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National Superfund Site-RW

Job ID: 240-110864-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | BFB | DBFM | TOL |
| Lab Sample ID | Client Sample ID | (70-121) | (59-120) | (75-128) | (70-123) |
| 240-110864-1 | RW-041019-AG-049 | 84 | 98 | 87 | 92 |
| 240-110864-2 | RW-041019-AG-051 | 85 | 100 | 87 | 93 |
| 240-110864-3 | RW-041019-AG-053 | 82 | 96 | 85 | 90 |
| LCS 240-377615/5 | Lab Control Sample | 88 | 109 | 92 | 100 |
| MB 240-377615/8 | Method Blank | 89 | 107 | 92 | 99 |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|---|---|---|---|---|---|---|---|
| | | TBP | FBP | 2FP | NBZ | PHL | TPHL |
| Lab Sample ID | Client Sample ID | (33-120) | (32-120) | (17-120) | (35-120) | (15-120) | (28-128) |
| 240-110864-1 | RW-041019-AG-049 | 75 | 79 | 62 | 87 | 52 | 89 |
| 240-110864-2 | RW-041019-AG-051 | 72 | 77 | 74 | 82 | 54 | 86 |
| 240-110864-3 | RW-041019-AG-053 | 69 | 82 | 69 | 87 | 48 | 94 |
| LCS 240-376703/22-A | Lab Control Sample | 85 | 88 | 93 | 98 | 63 | 96 |
| MB 240-376703/21-A | Method Blank | 71 | 78 | 71 | 81 | 48 | 94 |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 240-377615/8**
**Matrix: Water**
**Analysis Batch: 377615**

**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 | 0.24 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,1-Dichloroethane | ND | | 1.0 | 0.17 | ug/L | | | 04/22/19 13:03 | 1 |
| 1,2-Dichloroethane | ND | | 1.0 | 0.21 | ug/L | | | 04/22/19 13:03 | 1 |
| Acetone | ND | | 10 | 5.4 | ug/L | | | 04/22/19 13:03 | 1 |
| Benzene | ND | | 1.0 | 0.13 | ug/L | | | 04/22/19 13:03 | 1 |
| Chlorobenzene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 13:03 | 1 |
| Chloroethane | ND | | 1.0 | 0.83 | ug/L | | | 04/22/19 13:03 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.0 | 0.16 | ug/L | | | 04/22/19 13:03 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.11 | ug/L | | | 04/22/19 13:03 | 1 |
| Toluene | ND | | 1.0 | 0.14 | ug/L | | | 04/22/19 13:03 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.0 | 0.19 | ug/L | | | 04/22/19 13:03 | 1 |
| Trichloroethene | ND | | 1.0 | 0.10 | ug/L | | | 04/22/19 13:03 | 1 |
| Vinyl chloride | ND | | 1.0 | 0.20 | ug/L | | | 04/22/19 13:03 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.15 | ug/L | | | 04/22/19 13:03 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *89* | | *70 - 121* | | *04/22/19 13:03* | *1* |
| *4-Bromofluorobenzene (Surr)* | *107* | | *59 - 120* | | *04/22/19 13:03* | *1* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 128* | | *04/22/19 13:03* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 123* | | *04/22/19 13:03* | *1* |

**Lab Sample ID: LCS 240-377615/5**
**Matrix: Water**
**Analysis Batch: 377615**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 20.0 | 18.5 | | ug/L | | 92 | 69 - 134 |
| 1,1-Dichloroethane | 20.0 | 17.6 | | ug/L | | 88 | 75 - 133 |
| 1,2-Dichloroethane | 20.0 | 17.3 | | ug/L | | 87 | 71 - 135 |
| Acetone | 40.0 | 34.0 | | ug/L | | 85 | 21 - 162 |
| Benzene | 20.0 | 17.9 | | ug/L | | 90 | 80 - 123 |
| Chlorobenzene | 20.0 | 20.1 | | ug/L | | 100 | 80 - 121 |
| Chloroethane | 20.0 | 16.7 | | ug/L | | 83 | 33 - 173 |
| cis-1,2-Dichloroethene | 20.0 | 17.9 | | ug/L | | 89 | 76 - 128 |
| Ethylbenzene | 20.0 | 20.7 | | ug/L | | 103 | 80 - 120 |
| Toluene | 20.0 | 19.6 | | ug/L | | 98 | 78 - 129 |
| trans-1,2-Dichloroethene | 20.0 | 17.1 | | ug/L | | 85 | 78 - 133 |
| Trichloroethene | 20.0 | 17.2 | | ug/L | | 86 | 76 - 125 |
| Vinyl chloride | 20.0 | 16.8 | | ug/L | | 84 | 58 - 143 |
| Xylenes, Total | 40.0 | 41.8 | | ug/L | | 105 | 80 - 120 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *88* | | *70 - 121* |
| *4-Bromofluorobenzene (Surr)* | *109* | | *59 - 120* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 128* |
| *Toluene-d8 (Surr)* | *100* | | *70 - 123* |

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-376703/21-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | ND | | 5.0 | 2.2 | ug/L | | 04/16/19 10:54 | 04/22/19 06:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4,6-Tribromophenol (Surr)* | *71* | | *33 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2-Fluorobiphenyl (Surr)* | *78* | | *32 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *2-Fluorophenol (Surr)* | *71* | | *17 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Nitrobenzene-d5 (Surr)* | *81* | | *35 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Phenol-d5 (Surr)* | *48* | | *15 - 120* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |
| *Terphenyl-d14 (Surr)* | *94* | | *28 - 128* | *04/16/19 10:54* | *04/22/19 06:51* | *1* |

**Lab Sample ID: LCS 240-376703/22-A**
**Matrix: Water**
**Analysis Batch: 377488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 376703**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl) phthalate | | | 32.0 | 28.6 | | ug/L | | 89 | 59 - 120 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4,6-Tribromophenol (Surr)* | *85* | | *33 - 120* |
| *2-Fluorobiphenyl (Surr)* | *88* | | *32 - 120* |
| *2-Fluorophenol (Surr)* | *93* | | *17 - 120* |
| *Nitrobenzene-d5 (Surr)* | *98* | | *35 - 120* |
| *Phenol-d5 (Surr)* | *63* | | *15 - 120* |
| *Terphenyl-d14 (Surr)* | *96* | | *28 - 128* |

# QC Association Summary

Client: Eagon & Associates, Inc.
Project/Site: Summit National Superfund Site-RW

Job ID: 240-110864-1

## GC/MS VOA

### Analysis Batch: 377615

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110864-1 | RW-041019-AG-049 | Total/NA | Water | 8260C | |
| 240-110864-2 | RW-041019-AG-051 | Total/NA | Water | 8260C | |
| 240-110864-3 | RW-041019-AG-053 | Total/NA | Water | 8260C | |
| MB 240-377615/8 | Method Blank | Total/NA | Water | 8260C | |
| LCS 240-377615/5 | Lab Control Sample | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 376703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110864-1 | RW-041019-AG-049 | Total/NA | Water | 3510C | |
| 240-110864-2 | RW-041019-AG-051 | Total/NA | Water | 3510C | |
| 240-110864-3 | RW-041019-AG-053 | Total/NA | Water | 3510C | |
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 3510C | |

### Analysis Batch: 377488

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 240-376703/21-A | Method Blank | Total/NA | Water | 8270D | 376703 |
| LCS 240-376703/22-A | Lab Control Sample | Total/NA | Water | 8270D | 376703 |

### Analysis Batch: 377719

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 240-110864-1 | RW-041019-AG-049 | Total/NA | Water | 8270D | 376703 |
| 240-110864-2 | RW-041019-AG-051 | Total/NA | Water | 8270D | 376703 |
| 240-110864-3 | RW-041019-AG-053 | Total/NA | Water | 8270D | 376703 |

# Lab Chronicle

Client: Eagon & Associates, Inc.
Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

## Client Sample ID: RW-041019-AG-049
**Lab Sample ID: 240-110864-1**
**Date Collected: 04/10/19 16:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 14:37 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377719 | 04/23/19 16:33 | TMH | TAL CAN |

## Client Sample ID: RW-041019-AG-051
**Lab Sample ID: 240-110864-2**
**Date Collected: 04/10/19 17:15**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 15:00 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377719 | 04/23/19 16:57 | TMH | TAL CAN |

## Client Sample ID: RW-041019-AG-053
**Lab Sample ID: 240-110864-3**
**Date Collected: 04/10/19 17:45**
**Matrix: Water**
**Date Received: 04/12/19 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 377615 | 04/22/19 15:22 | HMB | TAL CAN |
| Total/NA | Prep | 3510C | | | 376703 | 04/16/19 10:54 | ACS | TAL CAN |
| Total/NA | Analysis | 8270D | | 1 | 377719 | 04/23/19 17:22 | TMH | TAL CAN |

**Laboratory References:**

TAL CAN = Eurofins TestAmerica, Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

# Accreditation/Certification Summary

Client: Eagon & Associates, Inc. Job ID: 240-110864-1
Project/Site: Summit National Superfund Site-RW

## Laboratory: Eurofins TestAmerica, Canton

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| California | State Program | 9 | 2927 | 02-23-20 |
| Connecticut | State Program | 1 | PH-0590 | 12-31-19 |
| Florida | NELAP | 4 | E87225 | 06-30-19 |
| Illinois | NELAP | 5 | 200004 | 07-31-19 |
| Kansas | NELAP | 7 | E-10336 | 04-30-19 * |
| Kentucky (UST) | State Program | 4 | 58 | 02-23-20 |
| Kentucky (WW) | State Program | 4 | 98016 | 12-31-19 |
| Minnesota | NELAP | 5 | 039-999-348 | 12-31-19 * |
| Minnesota (Petrofund) | State Program | 1 | 3506 | 07-31-19 |
| Nevada | State Program | 9 | OH00048 | 07-31-19 |
| New Jersey | NELAP | 2 | OH001 | 06-30-19 |
| New York | NELAP | 2 | 10975 | 03-31-20 |
| Ohio VAP | State Program | 5 | CL0024 | 09-06-19 |
| Oregon | NELAP | 10 | 4062 | 02-23-20 |
| Pennsylvania | NELAP | 3 | 68-00340 | 08-31-19 * |
| Texas | NELAP | 6 | T104704517-18-10 | 08-31-19 |
| USDA | Federal | | P330-16-00404 | 12-28-19 |
| Virginia | NELAP | 3 | 460175 | 09-14-19 |
| Washington | State Program | 10 | C971 | 01-12-20 * |
| West Virginia DEP | State Program | 3 | 210 | 12-31-19 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

2.4/C2.2 1.8/C1.6
2.0/C1.8 2.8/C2.6
2.6/C2.4 2.4/C2.2
3.0/C2.8

# Chain of Custody Record

320895

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other:

| Client Contact | Project Manager: MIKE GIBSON | Site Contact: SNFT | Date: 4/11/19 | COC No: 320895 |
|---|---|---|---|---|
| Company Name: FALGON + ASSOCIATES, INC. | Tel/Fax: (614) 888-5760/3 | Lab Contact: PATRICK O'MEARA | Carrier: LAB COURIER | 1 of 4 COCs |
| Address: 100 W OLD WILSON BRIDGE RD. STE 115 | Analysis Turnaround Time | | | Sampler: NK, AB, CK, & MG |
| City/State/Zip: WORTHINGTON, OH 43085 | ☐ CALENDAR DAYS ☑ WORKING DAYS | | | For Lab Use Only: |
| Phone: (614) 888-5760 | TAT if different from Below ____ | | | Walk-in Client: |
| Fax: (614) 888-5763 | ☑ 2 weeks | | | Lab Sampling: |
| Project Name: SUMMIT NATIONAL RW | ☐ 1 week | | | Job / SDG No.: |
| Site: SUMMIT NATIONAL | ☐ 2 days | | | |
| P O # ____ | ☐ 1 day | | | |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | 8260B VOCs | TCL 8260B (Modified) | Sample Specific Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| RW-041019-AG-049 | 4/10/19 | 1645 | G | GW | 5 | N | N | X | X | |
| RW-041019-AG-051 | 4/10/19 | 1715 | G | GW | 5 | N | N | X | X | |
| RW-041019-AG-053 | 4/10/19 | 1745 | G | GW | 5 | N | N | X | X | |
| | | | | | | | | | | |
| TRIP BLANK | — | — | — | W | 2 | N | N | X | | |
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240-110864 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____ 1,2

**Possible Hazard Identification:**
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

**Special Instructions/QC Requirements & Comments:**

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ | Therm ID No.: ____

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| NICK A KARON | FALGON + ASSOC. | 4/11/19 @ 1730 | | TAL 240 | 4/11/19-1730 |
| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
| | TAL 4/11/19 | 1820 | | TAL | 04/12/19 800 |
| Relinquished by: | Company: | Date/Time: | Received in Laboratory by: | Company: | Date/Time: |



4/24/2019

**TestAmerica Canton Sample Receipt Form/Narrative** **Login # :** 110864
**Canton Facility**

Client Eagan + Associates Site Name _____ Cooler unpacked by: DSD

Cooler Received on 04/12/19 Opened on 04/12/19

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

**Receipt After-hours**: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA 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# IR-8 (CF **-0.2** °C) Observed Cooler Temp. 2.4 °C Corrected Cooler Temp. 2.2 °C
   IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

| | | |
|---|---|---|
| 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ | Yes | No |
| -Were the seals on the outside of the cooler(s) signed & dated? | Yes | No NA |
| -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? | Yes | No |
| -Were tamper/custody seals intact and uncompromised? | Yes | No NA |
| 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 all preserved sample(s) at the correct pH upon receipt? | Yes | No NA pH Strip Lot# **HC861525** |
| 13. Were VOAs on the COC? | Yes | No |
| 14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this. | Yes | No NA |
| 15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ | Yes | No |
| 16. Was a LL Hg or Me Hg trip blank present? _____ | Yes | No |

**Tests that are not checked for pH by Receiving:**
**VOAs**
**Oil and Grease**
**TOC**

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

**17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES** Samples processed by: DSD

**18. SAMPLE CONDITION**

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) RW-041019-AG-049 3xMd VOA 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): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Residential #1 (Oyster)

## WELL DATA

**Water-Level Date:** (MM/DD/YY)

**Water-Level Time:**

**Purge/Sample Method:** LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

**Well Elevation (at TOC)** (ft/msl)

**Depth to Water (DTW) (from TOC)** (ft)

**Groundwater Elevation (site datum, from TOC)** (ft/msl)

Total Well Depth (from TOC) (ft)

Water Column Height (well depth - DTW) (ft)

Casing ID (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or [ ] µ *(circle or fill in)*

Purging Device [ ] A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device [ ]

X - Other

Pump Type (Vol) [ ] A-P1200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) [ ] A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

## PURGE INFO

| PURGE DATE (MM/DD/YY) | START PURGE TIME (2400 Hr. Clock) | ELAPSED HRS (hrs:min) | WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each* | TOTAL VOL PURGED (Liters : Gallons) *circle one* | PUMP/TUBING:WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|
| | | | | | |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1645 | ~750 | 7.81 | 3390 | 11.2 | 3.76 | ~5GPM |

**Sample Appearance:** clear/effervescent Odor: Moderate sulfer Color: None Other: —

**Weather Conditions** (at sample time): Wind Speed / Direction: ~5-10mph / NE Air Temp: ~45°F Precipitation: Y or (N)

**Comments** (including purge/well volume calculations if required):

## FIELD COMMENTS

Purged water from untreated tap in garage; pumped @ ~5gpm for 15 minutes prior to collecting samples; samples collected from tap.

Samples Collected:

SAMPLE ID # RW-041019-AG-049

3- 40mL vials (SSIPL List)

Purge/sample water was effervescent

2- 250mL ambers (BIS-2)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/10/19 Date — Andrew D. Graham Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD INFORMATION FORM

**Site Name:** Summit National

**Sample Point:** Residential #2 (Duley)

## WELL DATA

**Water-Level Date:** (MM/DD/YY)

**Water-Level Time:**

**Purge/Sample Method:** LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

**Well Elevation (at TOC)** (ft/msl)

**Depth to Water (DTW) (from TOC)** (ft)

**Groundwater Elevation (site datum, from TOC)** (ft/msl)

**Total Well Depth (from TOC)** (ft)

**Water Column Height (well depth - DTW)** (ft)

**Casing ID** (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

Purging Device ____ A-Submersible Pump B-Peristaltic Pump C-Bladder Pump D-Bailer E-Piston Pump F-Dipper/Bottle

Sampling Device ____

X - Other

Pump Type (Vol) ____ A-PT200M (495 mL) B-P1101M (395 mL) C-P1150 (130 mL) X-Other

Tubing ID (Vol/Ft) ____ A-3/8 inch (22 mL/ft) B-1/4 inch (10 mL/ft) C-0.17 inch (4.5 mL/ft) X-Other

## PURGE INFO

| PURGE DATE (MM/DD/YY) | START PURGE TIME (2400 Hr. Clock) | ELAPSED HRS (hrs:min) | WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each* | TOTAL VOL PURGED (Liters : Gallons) *circle one* | PUMP/TUBING:WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|
| | | | | | |

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED (L : Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 1715 | ~750 | 7.42 | 1846 | 10.6 | 7.35 | ~5 GPM |

**Sample Appearance:** clear/effervescent Odor: None Color: None Other: —

**Weather Conditions** (at sample time): Wind Speed / Direction: ~5-10mph/N Air Temp: ~45°F Precipitation: Y or (N)

**Comments** (including purge/well volume calculations if required):

## FIELD COMMENTS

Pumped from garden hose connected to untreated tap in rear of house; pumped water at ~5gpm for 15 minutes prior to collecting samples. Filled sample bottles directly from tap. Purge & sample water was effervescent.

SAMPLE I.D. #: RW-041019-AG-0511

Samples Collected: 3-40mL vials (SS1IL Lot), 2-250mL amber (BIS-2)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/10/19 Date — Andrew D. Graham Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD INFORMATION FORM

**Site Name:** SUMMIT NATIONAL

**Sample Point:** RESIDENTIAL #3 (CARVER)

## WELL DATA

**Water-Level Date:** (MM/DD/YY)

**Water-Level Time:**

**Purge/Sample Method:**
LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

**Well Elevation (at TOC):** (ft/msl)

**Depth to Water (DTW) (from TOC):** (ft)

**Groundwater Elevation (site datum, from TOC):** (ft/msl)

**Total Well Depth (from TOC):** (ft)

**Water Column Height (well depth - DTW):** (ft)

**Casing ID:** (in)

## PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N

Filter Device: Y or N 0.45µ or ____ µ *(circle or fill in)*

**Purging Device** ____
**Sampling Device** ____
A-Submersible Pump
B-Peristaltic Pump
C-Bladder Pump
D-Bailer
E-Piston Pump
~~F-Dipper/Bottle~~
X - Other

**Pump Type (Vol)** ____
~~A-P1200M (495 mL)~~
B-P1101M (395 mL)
C-P1150 (130 mL)
X-Other

**Tubing ID (Vol/Ft)** ____
A-3/8 inch (22 mL/ft)
B-1/4 inch (10 mL/ft)
C-0.17 inch (4.5 mL/ft)
X-Other

## PURGE INFO

| PURGE DATE (MM/DD/YY) | START PURGE TIME (2400 Hr. Clock) | ELAPSED HRS (hrs:min) | WATER VOL (L : Gal) IN (PUMP/TUBING:WELL CASING) *circle one of each* | TOTAL VOL PURGED (Liters : Gallons) *circle one* | PUMP/TUBING:WELL VOLS PURGED *(optional)* |
|---|---|---|---|---|---|

## STABILIZATION DATA

| Time (2400 Hr. Clock) | DTW (ft) | Vol. Purged (L : Gals) | pH (S.U.) | Spec. Conductance (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Rate (mL/min) |
|---|---|---|---|---|---|---|---|

## FIELD DATA

| SAMPLE DATE (MM/DD/YY) | SAMPLE TIME (2400 Hr. Clock) | VOL. PURGED ~~L~~ : (Gals) | pH (S.U.) | SPEC. CONDUCTANCE (µmhos/cm) | TEMPERATURE (°C) | TURBIDITY (NTU) | RATE (mL/min) |
|---|---|---|---|---|---|---|---|
| 04/10/19 | 17:45 | ~15.0 | 7.19 | 2380 | 11.8 | 1.36 | ~430 spm |

**Sample Appearance:** Clear Odor: moderate sulfur odor Color: None Other: —

**Weather Conditions** (at sample time): Wind Speed / Direction: ~5-10mph / N Air Temp: ~45°F Precipitation: Y or (N)

## FIELD COMMENTS

**Comments** (including purge/well volume calculations if required):

Pumped water from pressure tank and into nearby sump pump. Sample collected prior to any treatment equipment; pressure tank is in basement.

SAMPLE ID #:
RW-041019-AG-053
(8465 SR 224)

Samples Collected:
3-40 mL VIALS (SSIPL LIST)
2-250 mL amber glass (Bis-2)

I certify that sampling procedures were in accordance with applicable EPA, State, and Site protocols:

4/10/19 Date — Andrew D. Graham Name — Signature

EAGON & ASSOCIATES, INC.

EA-200 0418

# FIELD METER CALIBRATION RECORD

Project Name: *Summit National Superfund Site* Sampler(s): A. Graham

**pH Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Buffer Brand/Expiration: pH 4 IE / 10-20-20 ; pH 7 IE / 11-3-20 ; 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) |
|---|---|---|---|---|---|---|
| 4/10/19 | 1234 | Calibrate | 4.01 | 7.02 | — | 13.0 |
| | | | | | | |
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**Conductivity/Temp. Meter(s):** Make/Model/Serial No: Cyberscan PC 180251

Cond. Solution Brand/Expiration: IE / 11-2-19 Cond. Solution Value (@ 25 °C): 1413 / 4490

| Date | Time | Calibrate/Check | Cond. Standard Result (µmhos/cm) | Temp. of Cond. Soln' (°C) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1232 | Calibrate | 1413 / 4460 | 14.1 / 18.7 | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

**Turbidity Meter(s):** Make/Model/Serial No.: HACH 2100P / 08030C028697

| Date | Time | Calibrate/Check | Gel Value (NTU) | Reading (NTU) | Notes: |
|---|---|---|---|---|---|
| 4/10/19 | 1240 | Check | 4.55 | 4.68 | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

Sampler (Name): Andrew D. Graham Sampler (Signature): [signature]

# PLATES

EAGON & ASSOCIATES, INC.

| MW-107 | 11/14/1994 | 10/9/1999 | 10/7/2004 | 8/18/2006 | 4/24/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,1,1-Trichloroethane | 49 | 42.8 J/41.3 J | 195 | 180/182 | 134 | 19.5 | 3.2 J |
| 1,1,2-Trichloroethane | ND(5.0) | ND(30)/ND(30) | ND(50.0) | 16.1/15.5 | ND(50) | 9 J | 3.4 J |
| 1,1-Dichloroethane | 130 | 482/425 | 1200 | 1430/1460 | 1320 | 1330 | 690 |
| 1,1-Dichloroethene | ND(5.0) | ND(20)/ND(20) | ND(50.0) | 30.5/32.3 | ND(50) | ND(10) | ND(10) |
| 1,2-Dichloroethane | 440 D | 152 J/136 | 265 | 244/246 | 291 | 72.8 | 17 |
| 1,2-Dichloroethene [total] | ND(5.0) | - | - | - | 369 | 43.7 | ND(20) |
| 2-Butanone [Methyl ethyl ketone] [MEK] | 18000 DJ | ND(50)/ND(50) | ND(500) | ND(50)/ND(50) | ND(250) | ND(50) | ND(100) |
| 2-Hexanone | ND(10) UJ | ND(50)/ND(50) | ND(250) | 29.8 J/33.7 J | ND(250) | ND(50) | ND(100) |
| 4-Methyl-2-pentanone [Methyl isobutyl ketone] [MIBK] | 1300 DEJ | ND(50)/ND(50) | ND(250) | ND(50)/ND(50) | ND(250) | ND(50) | ND(100) |
| Acetone | 34000 D | ND(50)/ND(50) | ND(500) | ND(50)/ND(50) | ND(250) | ND(50) | ND(100) |
| Benzene | ND(5.0) | 28.8/26.6 | 76.2 | 105/108 | 97.8 | 94.9 | 89 |
| Chlorobenzene | ND(5.0) | ND(20)/ND(20) | 53.4 | 70.0/70.6 | 63.5 | 58.3 | ND (10) |
| Chloroethane | ND(10) UJ | ND(50)/ND(50) | ND(50.0) | 13.9/13.6 | ND(50) | 10.8 | 390 |
| cis-1,2-Dichloroethene | - | ND(50)/ND(50) | 281 | 366/374 | 369 | 43.7 | ND (10) |
| Ethylbenzene | ND(5.0) | 252 J/ 256 | 830 | 1390/1420 | 1230 | 1150 | 940 |
| Methylene chloride | 19 | ND(20)/ND(20) | 57.3 J | ND(20)/ND(20) | ND(100) | ND(20) | ND(50) |
| Tetrachloroethene | ND(5.0) | ND(10)/ND(10) | ND(50.0) | 3.7 J/3.8 J | ND(50) | ND(10) | ND(10) |
| Toluene | 73 | 2170/2230 | 8710 | 11600/11400 | 5370 | 3340 | 3000 |
| trans-1,2-Dichloroethene | - | ND(50)/ND(50) | ND(50.0) | ND(10)/4.3 J | ND(50) | ND(10) | ND (10) |
| Trichloroethene | ND(5.0) | ND(10)/ND(10) | ND(50.0) | 6.2 J/6.4 J | ND(50) | ND(10) | ND(10) |
| Vinyl chloride | 12 J | 24.2/23 | ND(50.0) | 110/109 | 121 | 46.8 | ND (1.0) |
| Xylenes [total] | 6 | 914/940 | 2760 | 4920/4950 | 4120 | 3640 | 3300 |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| 1,2-Dichlorobenzene | ND(10) | ND(2)/ND(2) | 2 | - | 1.6 J | 1.5 | 1.3 |
| 2,4-Dimethylphenol | 12 | 5.8/4.9 J | 21.4 | - | 12.2 | 12.8 | 15 |
| 2-Methylnaphthalene | ND(10) | 0.53 J/ND(2) | 2.5 | - | 1.7 J | 2 | 1.6 |
| 2-Methylphenol | 27 | 9.9/9 | 36.2 | - | 16.1 | 18 | 15 |
| 3&4-Methylphenol | - | 7.9/6.6 | 75.3 | - | 11.8 | 5 | 6.4 |
| 4-Chloro-3-methylphenol | ND(10) | ND(5)/ND(5) | 8.4 | - | 8.7 | 10.2 | 8.8 |
| 4-Methylphenol | 220 D | - | - | - | - | - | - |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 0.54 J/ND(2) | 2.3 | - | 1.5 J | 0.61 J | ND (4.5) |
| Diethyl phthalate | ND(10) | 0.51 J/0.47 J | 4.4 | - | 2.9 | 3.4 | 3.4 J |
| Di-n-butylphthalate [DBP] | ND(10) | 3.1 J/1 J | ND(2.0) | - | ND(2.0) | ND(2.0) | ND (4.5) |
| Fluoranthene | ND(10) | ND(2)/ND(2) | ND(2.0) | - | ND(2.0) | ND(1.0) | ND (0.18) |
| Isophorone | 20 | 3.8/3.9 | ND(2.0) | - | ND(2.0) | ND(2.0) | 2.8 |
| Naphthalene | ND(10) | 2/1.9 J | 10.7 | - | 9.2 | 9.8 | 7.7 |
| Phenanthrene | ND(10) | ND(2)/ND(2) | ND(2.0) | - | ND(1.0) | ND(1.0) | ND(0.18) |
| Phenol | 310 D | ND(5)/ND(5) | 45.4 | - | ND(2.0) | 6.4 | ND (0.89) |
| Pyrene | ND(10) | ND(2)/ND(2) | ND(2.0) | - | ND(1.0) | ND(1.0) | ND(0.18) |

| MW-102 | 11/12/1994 | 10/5/1999 | 10/6/2004 | 8/16/2006 | 4/22/2009 | 5/6/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND/ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND/ND | ND | ND | ND | ND |

| MW-101 | 11/12/1994 | 10/6/1999 | 10/6/2004 | 8/16/2006 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 5.3 | ND(2.0) | ND(2.0) | 4.3 | ND(2.0) | ND(4.5)/ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 1.3 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5)/ND(4.5) |

| MW-103 | 11/11/1994 | 10/5/1999 | 10/6/2004 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-104 | 11/11/1994 | 10/7/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-105 | 11/9/1994 | 10/7/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | 1.9 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5)/ND(4.5) |

| MW-106 | 10/7/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| 1,1,1-Trichloroethane | ND(5.0) UJ | 1.5 | 1.3 | 4.2/4.2 | 4.1 | 0.89 J |
| 1,1-Dichloroethane | ND(5.0) UJ | 1 | 1 | 2.3/2.2 | 3.3 | 1.1 |
| 1,2-Dichloroethane | ND(5.0) UJ | ND(1.0) | 0.71 J | 1.6/1.5 | 2.4 | 0.69 J |
| Acetone | ND(5.0) | ND(10) | ND(1.0) | ND(1.0)/ND(1.0) | ND(5.0) | ND(10) |
| Toluene | ND(5.0) UJ | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2.0) | 6.1 | ND(2.0) | ND(2.0)/2.1 | ND(2.0) | ND(4.5) |

| MW-111 | 11/9/1994 | 10/8/1999 | 10/7/2004 | 8/16/2006 | 4/23/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,1,1-Trichloroethane | ND(5.0)UJ | 1.2 J | 5.6 | 3.1 | 2.3 | 1.4 | 0.8 J |
| 1,1-Dichloroethane | 8 J | 8 | 47.1 | 37.3 | 31.4 | 29.2 | 28 |
| 1,1-Dichloroethene | ND(5.0)UJ | ND(2.0) | ND(1.0) | 0.69 J | 0.71 J | 0.46 J | 0.4 J |
| 1,2-Dichloroethane | 42 J | 52.7 | 144 | 88.9 | 69.1 | 112 | 88 |
| 1,2-Dichloroethene [total] | ND(5.0)UJ | - | - | - | 6.3 | 6.1 | 6.4 |
| 2-Butanone [Methyl ethyl ketone] [MEK] | 15 UJ | ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| Acetone | 270 UJ | ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| Benzene | ND(5.0)UJ | ND(1.0) | 0.34 J | ND(1.0) | ND(1.0) | ND(0.5) | 0.18 J |
| Chloroethane | ND(10) UJ | ND(5.0) | 1.6 | 1.6 | 1.4 | 1.7 | 1.3 |
| cis-1,2-Dichloroethene | - | 1.1 J | 8.2 | 7.1 | 6.3 | 6.1 | 6.2 |
| Vinyl chloride | ND(10) UJ | ND(1.0) | 8.6 | 7.2 | 5.2 | 6 | 8.9 |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-114 | 11/16/1994 | 10/5/1999 | 10/5/2004 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-115 | 11/10/1994 | 10/6/1999 | 10/5/2004 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,1-Dichloroethane | ND(5.0) | 2.5 J | 1.3 | 1.1 | 2.5/1.8 | 1.1 | 1.4 |
| 1,2-Dichloroethane | ND(5.0) | ND(2.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | 0.37 J |
| 1,2-Dichloroethene [total] | 6 | - | - | - | 8.7/5.6 | 2.5 | 5.7 |
| cis-1,2-Dichloroethene | - | 9.6 | 3.6 | 1.7 | 8.7/5.6 | 2.5 | 5.7 |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2) | ND(2.0) | 1.1 J | 2.5/2.0 J | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 2.8 | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) | ND (4.5) |

| MW-116 | 11/10/1994 | 10/5/1999 | 10/5/2004 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | 10 | ND(5.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | - | - | ND(2.1) | ND(2.0) | 2.7 | ND(2.0) | ND(4.5) |

| MW-117 | 11/10/1994 | 10/6/1999 | 10/5/2004 | 8/15/2006 | 4/21/2009 | 5/8/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND/ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | ND(2.0) | 1.5 J | ND(2.0) | ND(2.0)/ND(2.0) | ND(4.5)/ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 2.9 | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(4.5)/ND(4.5) |

| MW-108 | 11/10/1994 | 11/7/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| 1,1,1-Trichloroethane | ND(5.0) | 3 | 6 | 8.8 | 4.8 | 2.3 |
| 1,1,2-Trichloroethane | ND(5.0) | ND(1.0) | ND(1.0) | 0.21 J | 0.33 J | 0.37 J |
| 1,1-Dichloroethane | 12 | 50.7 | 87.2 | 213 | 315 | 330 |
| 1,1-Dichloroethene | ND(5.0) | ND(1.0) | 1.2 | 2.8 | 3.7 | 3.2 |
| 1,2-Dichloroethane | 21 | 59.4 | 61.1 | 68.9 | 75.1 | 44 |
| 1,2-Dichloroethene [total] | 11 | - | - | 132 | 215 | 250 |
| Acetone | ND(10.0) | 5.4 J | 8.4 | 3.8 J | ND(5.0) | ND (13) |
| Benzene | ND(5.0) | 10.7 | 24.4 | 77.2 | 136 | 140 |
| Chloroform [Trichloromethane] | ND(5.0) | ND(1.0) | ND(1.0) | 0.55 J | 0.37 J | ND (1.3) |
| cis-1,2-Dichloroethene | - | 52.8 | 66 | 128 | 210 | 240 |
| Ethylbenzene | ND(5.0) | ND(1.0) | ND(1.0) | 0.54 J | 0.41 J | 0.37 J |
| Toluene | ND(5.0) | ND(1.0) | 0.28 J | 0.59 J | 1.1 | 0.91 J |
| trans-1,2-Dichloroethene | - | 2 | 3.2 | 4.2 | 5.4 | 6.3 J |
| Trichloroethene | ND(5.0) | 10.8 | 14.5 | 30.1 | 27.8 | 23 |
| Vinyl chloride | ND(10) | 5.5 | 16.8 | 53.2 | 130 | 98 |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 0.36 J | 0.64 J |
| **Semi-Volatile Organic Compounds** | | | | | | |
| 4-Chloroaniline | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | 1.4 J | ND (1.8) |
| Phenol | - | - | - | - | - | 1.1 |

| MW-110 | 11/8/1994 | 10/4/1999 | 10/4/2004 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.1) | ND(2.0) | 5.7 | ND(2.0) | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | ND(2.1) | ND(2.0) | 1.8 J | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-109 | 11/8/1994 | 10/4/1999 | 10/4/2004 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | ND(10)/11 | ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10)/ND(10) | ND(2) | ND(2) | ND(2) | 1.5 J | 4.3 | ND (4.5) |

| MW-4 | 11/8/1994 | 10/5/1999 | 10/4/2004 | 8/14/2006 | 4/21/2009 | 5/6/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | 21 UB | ND(5) | ND(10) | ND(5.0)/ND(5.0) | ND(5.0) | ND(5.0) | ND(10)/ND(10) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | 2.1 | ND(2.0)/ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5)/ND(4.5) |

| MW-113 | 11/12/1994 | 10/4/1999 | 10/7/2004 | 8/16/2006 | 4/20/2009 | 5/9/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | ND | ND | ND | ND | ND | ND | 6.5 J |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | - | ND(2.0) | 2.9 | 1.6 J | ND(2.0) | ND(4.5) |
| Di-n-octyl phthalate [DnOP] | ND(10) | - | ND(2.0) | 1.9 J | ND(2.0) | ND(2.0) | ND(1.8) |

| MW-118 | 11/8/1994 | 10/4/1999 | 10/4/2004 | 8/14/2006 | 4/20/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,2-Dichloroethane | ND(5.0) | ND(2.0) | 2.3 | 3.1 | 2.1 | 1.8 | 2.2 |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 0.61 J | 1.5 J | 1.5 J | 1.3 J | ND(2.0) | ND(4.5) |

| MW-11 | 11/14/1994 | 10/8/1999 | 10/7/2004 | 8/16/2006 | 4/23/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 1,1,1-Trichloroethane | 130 | 63.8 | 54.3 | 18.5 | 45.5 | 17.6 | 11 |
| 1,1,2-Trichloroethane | ND(5.0) | ND(3.0) | ND(1.0) | ND(1.0) | 0.24 J | ND(1) | 0.2 J |
| 1,1-Dichloroethane | 93 | 84.4 | 73.7 | 43.3 | 76.2 | 54.4 | 56 |
| 1,1-Dichloroethene | ND(5.0) | 1.3 J | 1.1 | ND(1.0) | 2 | 0.95 J | 0.73 J |
| 1,2-Dichloroethane | ND(5.0) | ND(2.0) | 1.8 | 1.1 | 1.6 | 1.1 | 0.9 J |
| 1,2-Dichloroethene [total] | ND(5.0) | - | - | - | 57.9 | 34.2 | 30 |
| Acetone | 24 | ND(5.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| Benzene | ND(5.0) | ND(1.0) | 0.55 J | 0.24 J | 0.70 J | ND(0.5) | 0.25 J |
| Chloroform [Trichloromethane] | ND(5.0) | ND(5.0) | 0.66 J | 0.28 J | 0.35 J | ND(1.0) | ND(1.0) |
| Chloromethane [Methyl chloride] | ND(10) UJ | ND(5.0) | 0.71 J | ND(1.0) | 0.75 J | ND(1.0) | ND(1.0) |
| cis-1,2-Dichloroethene | - | 31.3 | 62.3 | 26.9 | 55.5 | 33.3 | 29 |
| trans-1,2-Dichloroethene | - | ND(5.0) | 2 | 0.78 J | 2.4 | 0.88 J | 0.80 J |
| Trichloroethene | 7 | 22.1 | 186 | 55.7 | 122 | 36.9 | 31 |
| Vinyl chloride | ND(10) UJ | 2.8 | 2.2 | 0.38 J | 5 | 2.8 | 3.2 |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2.0) | - | ND(2.0) | ND(2.0) | ND(2.0) | 0.69 J | ND (4.5) |

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 | 4/9/2019 |
|---|---|---|
| 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(10) |
| 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(2.0) |

SSIPL COMPOUNDS
CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

CONCENTRATION CODES

J — ESTIMATED VALUE
\- — NOT ANALYZED
ND( ) — THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES
µg/L — MICROGRAMS PER LITER
[5.9/6.3] — ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

| | |
|---|---|
| COMPILED BY: MAM | PLATE TITLE: WATER QUALITY DATA RESULTS, WATER TABLE UNIT, (1994-2019) |
| DRAWN BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO |
| CHECKED BY: ADG | PREPARED BY: EAGON & ASSOCIATES, INC. |
| APPROVED BY: MTG | PLATE NUMBER: 1 |
| DATE: 11/11/2019 | |

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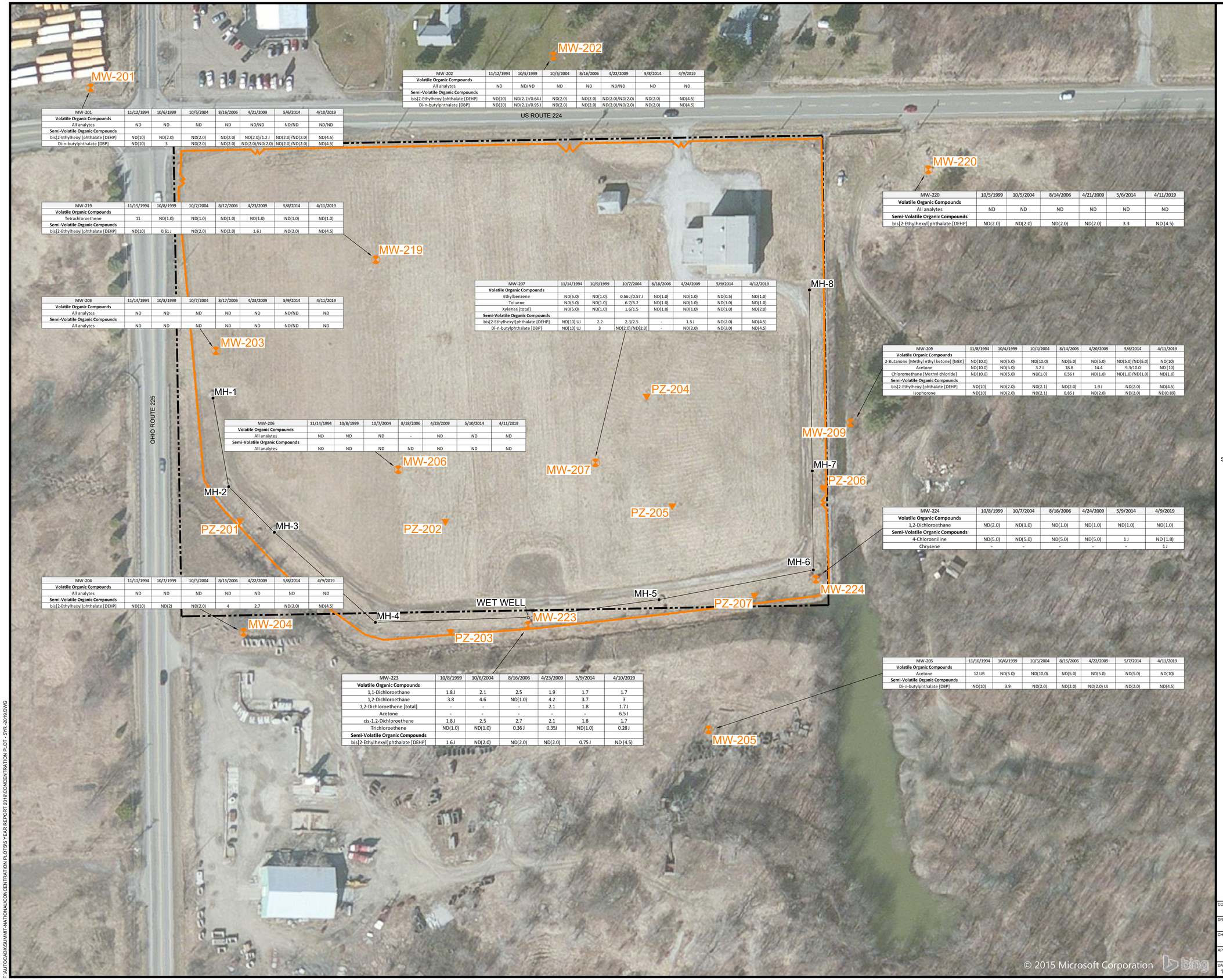


| MW-201 | 11/12/1994 | 10/6/1999 | 10/6/2004 | 8/16/2006 | 4/21/2009 | 5/6/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND/ND | ND/ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0)/1.2 J | ND(2.0)/ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 3 | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0)/ND(2.0) | ND(4.5) |

| MW-202 | 11/12/1994 | 10/5/1999 | 10/6/2004 | 8/16/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND/ND | ND | ND | ND/ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.1)/0.64 J | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | ND(2.1)/0.95 J | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) | ND(4.5) |

| MW-220 | 10/5/1999 | 10/5/2004 | 8/14/2006 | 4/21/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | 3.3 | ND (4.5) |

| MW-219 | 11/15/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/8/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Tetrachloroethene | 11 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 0.61 J | ND(2.0) | ND(2.0) | 1.6 J | ND(2.0) | ND(4.5) |

| MW-203 | 11/14/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND/ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND/ND | ND |

| MW-207 | 11/14/1994 | 10/9/1999 | 10/7/2004 | 8/18/2006 | 4/24/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Ethylbenzene | ND(5.0) | ND(1.0) | 0.56 J/0.57 J | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) |
| Toluene | ND(5.0) | ND(1.0) | 6.7/6.2 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Xylenes [total] | ND(5.0) | ND(1.0) | 1.6/1.5 | ND(1.0) | ND(1.0) | ND(1.0) | ND(2.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) UJ | 2.2 | 2.3/2.5 | - | 1.5 J | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) UJ | 3 | ND(2.0)/ND(2.0) | - | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-209 | 11/8/1994 | 10/4/1999 | 10/4/2004 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| 2-Butanone [Methyl ethyl ketone] [MEK] | ND(10.0) | ND(5.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(5.0)/ND(5.0) | ND(10) |
| Acetone | ND(10.0) | ND(5.0) | 3.2 J | 18.8 | 14.4 | 9.3/10.0 | ND (10) |
| Chloromethane [Methyl chloride] | ND(10.0) | ND(5.0) | ND(1.0) | 0.56 J | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | ND(2.1) | ND(2.0) | 1.9 J | ND(2.0) | ND(4.5) |
| Isophorone | ND(10) | ND(2.0) | ND(2.1) | 0.85 J | ND(2.0) | ND(2.0) | ND(0.89) |

| MW-206 | 11/14/1994 | 10/8/1999 | 10/7/2004 | 8/18/2006 | 4/23/2009 | 5/10/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | - | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-224 | 10/8/1999 | 10/7/2004 | 8/16/2006 | 4/24/2009 | 5/9/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| 1,2-Dichloroethane | ND(2.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| 4-Chloroaniline | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | 1 J | ND (1.8) |
| Chrysene | - | - | - | - | - | 1 J |

| MW-204 | 11/11/1994 | 10/7/1999 | 10/5/2004 | 8/15/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2) | ND(2.0) | 4 | 2.7 | ND(2.0) | ND(4.5) |

| MW-205 | 11/10/1994 | 10/6/1999 | 10/5/2004 | 8/15/2006 | 4/22/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | 12 UB | ND(5.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| Di-n-butylphthalate [DBP] | ND(10) | 3.9 | ND(2.0) | ND(2.0) | ND(2.0) UJ | ND(2.0) | ND(4.5) |

| MW-223 | 10/8/1999 | 10/6/2004 | 8/16/2006 | 4/23/2009 | 5/9/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| 1,1-Dichloroethane | 1.8 J | 2.1 | 2.5 | 1.9 | 1.7 | 1.7 |
| 1,2-Dichloroethane | 3.8 | 4.6 | ND(1.0) | 4.2 | 3.7 | 3 |
| 1,2-Dichloroethene [total] | - | - | - | 2.1 | 1.8 | 1.7 J |
| Acetone | - | - | - | - | - | 6.5 J |
| cis-1,2-Dichloroethene | 1.8 J | 2.5 | 2.7 | 2.1 | 1.8 | 1.7 |
| Trichloroethene | ND(1.0) | ND(1.0) | 0.36 J | 0.35J | ND(1.0) | 0.28 J |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | 1.6 J | ND(2.0) | ND(2.0) | ND(2.0) | 0.75 J | ND (4.5) |

## 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 | 4/9/2019 |
|---|---|---|
| **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(10) |
| **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(2.0) |

SSIPL COMPOUNDS

CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

## CONCENTRATION CODES

- J ESTIMATED VALUE
- - NOT ANALYZED
- ND( ) THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES
- µg/L MICROGRAMS PER LITER
- [5.9/6.3] ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

## NOTES

1) DATABOXES SHOW 5-YEAR SAMPLING EVENT RESULTS PLUS ANY ANNUAL SSIPL RESULTS SINCE 2009.
2) LAST 5-YEAR SAMPLING EVENT - 2014.

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

*EAGON & ASSOCIATES, INC.*

| | | |
|---|---|---|
| COMPILED BY: MAM | PLATE TITLE: WATER QUALITY DATA RESULTS, UPPER INTERMEDIATE UNIT, 1994-2019 | |
| DRAWN BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO | |
| CHECKED BY: ADG | PREPARED BY: EAGON & ASSOCIATES, INC. | PLATE NUMBER: 2 |
| APPROVED BY: MTG | | |
| DATE: 11/11/2019 | | |

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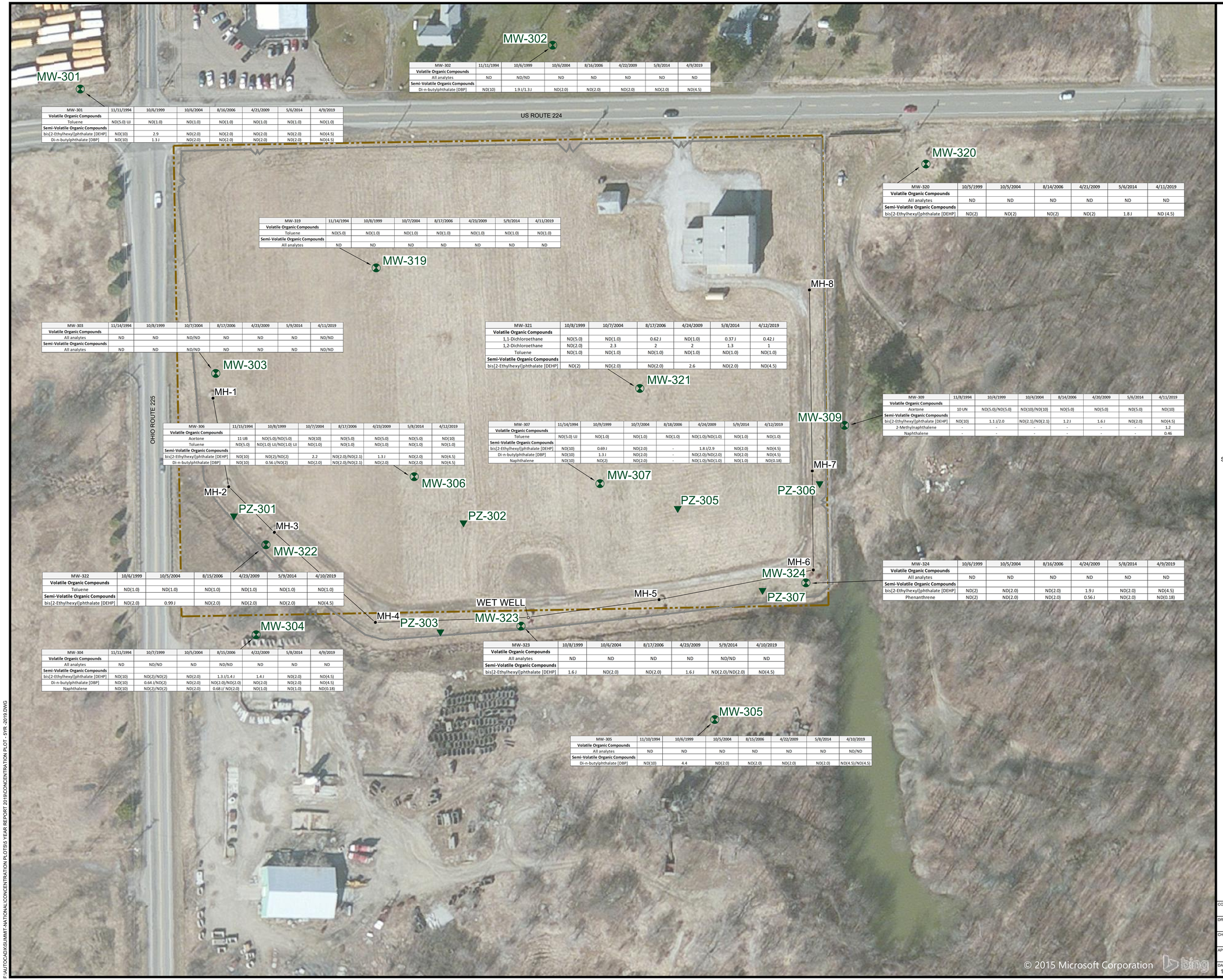


| MW-301 | 11/11/1994 | 10/6/1999 | 10/6/2004 | 8/16/2006 | 4/21/2009 | 5/6/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Toluene | ND(5.0) UJ | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 2.9 | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 1.3 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-302 | 11/11/1994 | 10/6/1999 | 10/6/2004 | 8/16/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND/ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| Di-n-butylphthalate [DBP] | ND(10) | 1.9 J/1.3 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-320 | 10/5/1999 | 10/5/2004 | 8/14/2006 | 4/21/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2) | ND(2) | ND(2) | ND(2) | 1.8 J | ND (4.5) |

| MW-319 | 11/14/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Toluene | ND(5.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND |

| MW-303 | 11/14/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND/ND | ND | ND | ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND/ND | ND | ND | ND | ND/ND |

| MW-321 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/24/2009 | 5/8/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| 1,1-Dichloroethane | ND(5.0) | ND(1.0) | 0.62 J | ND(1.0) | 0.37 J | 0.42 J |
| 1,2-Dichloroethane | ND(2.0) | 2.3 | 2 | 2 | 1.3 | 1 |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2) | ND(2.0) | ND(2.0) | 2.6 | ND(2.0) | ND(4.5) |

| MW-309 | 11/8/1994 | 10/4/1999 | 10/4/2004 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | 10 UN | ND(5.0)/ND(5.0) | ND(10)/ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 1.1 J/2.0 | ND(2.1)/ND(2.1) | 1.2 J | 1.6 J | ND(2.0) | ND(4.5) |
| 2-Methylnaphthalene | - | - | - | - | - | - | 1.2 |
| Naphthalene | - | - | - | - | - | - | 0.46 |

| MW-306 | 11/15/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/8/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | 11 UB | ND(5.0)/ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) |
| Toluene | ND(5.0) | ND(1.0) UJ/ND(1.0) UJ | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2)/ND(2) | 2.2 | ND(2.0)/ND(2.1) | 1.3 J | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 0.56 J/ND(2) | ND(2.0) | ND(2.0)/ND(2.1) | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-307 | 11/14/1994 | 10/9/1999 | 10/7/2004 | 8/18/2006 | 4/24/2009 | 5/9/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Toluene | ND(5.0) UJ | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | 0.69 J | ND(2.0) | - | 1.8 J/2.9 | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 1.3 J | ND(2.0) | - | ND(2.0)/ND(2.0) | ND(2.0) | ND(4.5) |
| Naphthalene | ND(10) | ND(2) | ND(2.0) | - | ND(1.0)/ND(1.0) | ND(1.0) | ND(0.18) |

| MW-322 | 10/6/1999 | 10/5/2004 | 8/15/2006 | 4/23/2009 | 5/9/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2.0) | 0.99 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5) |

| MW-324 | 10/6/1999 | 10/5/2004 | 8/16/2006 | 4/24/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(2) | ND(2.0) | ND(2.0) | 1.9 J | ND(2.0) | ND(4.5) |
| Phenanthrene | ND(2) | ND(2.0) | ND(2.0) | 0.56 J | ND(2.0) | ND(0.18) |

| MW-304 | 11/11/1994 | 10/7/1999 | 10/5/2004 | 8/15/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND/ND | ND | ND/ND | ND | ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2)/ND(2) | ND(2.0) | 1.3 J/1.4 J | 1.4 J | ND(2.0) | ND(4.5) |
| Di-n-butylphthalate [DBP] | ND(10) | 0.64 J/ND(2) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5) |
| Naphthalene | ND(10) | ND(2)/ND(2) | ND(2.0) | 0.68 J/ND(2.0) | ND(1.0) | ND(1.0) | ND(0.18) |

| MW-323 | 10/8/1999 | 10/6/2004 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND | ND | ND/ND | ND |
| **Semi-Volatile Organic Compounds** | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | 1.6 J | ND(2.0) | ND(2.0) | 1.6 J | ND(2.0)/ND(2.0) | ND(4.5) |

| MW-305 | 11/10/1994 | 10/6/1999 | 10/5/2004 | 8/15/2006 | 4/22/2009 | 5/8/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND | ND/ND |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| Di-n-butylphthalate [DBP] | ND(10) | 4.4 | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(4.5)/ND(4.5) |

LEGEND

- PROPERTY BOUNDARY
- PIPE AND MEDIA DRAIN
- CHAIN LINK FENCE
- WET WELL
- ACCESS MANHOLE

WELL DESIGNATION — SAMPLING DATE

| MW-224 | 10/7/2004 | 4/9/2019 |
|---|---|---|
| **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(10) |
| **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(2.0) |

SSIPL COMPOUNDS — CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

CONCENTRATION CODES

- J ESTIMATED VALUE
- - NOT ANALYZED
- ND( ) THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES
- µg/L MICROGRAMS PER LITER
- [5.9/6.3] ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

| | |
|---|---|
| COMPILED BY: MAM | PLATE TITLE: WATER QUALITY DATA RESULTS, LOWER INTERMEDIATE UNIT, 1994-2019 |
| DRAWN BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO |
| CHECKED BY: ADG | PREPARED BY: EAGON & ASSOCIATES, INC. |
| APPROVED BY: MTG | PLATE NUMBER: 3 |
| DATE: 11/11/2019 | |

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| MW-422 | 10/6/1999 | 10/6/2004 | 8/16/2006 | 4/21/2009 | 5/6/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| Carbon disulfide | ND(5.0) | 0.81 J | ND(2.0) | ND(2.0) | ND(2.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND | ND | ND | ND |

| MW-421 | 10/7/1999 | 10/6/2004 | 8/16/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | |
| Carbon disulfide | ND(5.0) | ND(2.0) | ND(2.0)/ND(2.0) | 1.1 J | 0.69 J | ND (1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | |
| All analytes | ND | ND | ND/ND | ND | ND | ND |

| MW-401 | 11/15/1994 | 10/8/1999 | 10/7/2004 | 8/17/2006 | 4/23/2009 | 5/8/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | - | - | - | - | - | - | 6.6 J |
| Toluene | ND(5.0)/ND(5.0) | ND(1.0) UJ | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10)/ND(10) | ND(2.0) | ND(2.0) | ND(2.0) | 2.5/1.4 J | ND(2.0)/ND(2.0) | ND(4.5) |

| MW-402 | 11/9/1994 | 10/5/1999 | 10/5/2004 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Acetone | - | - | - | - | - | - | 5.7 J |
| Benzene | ND(5.0) | ND(1.0) | ND(1.0)/0.31 J | ND(1.0) | 0.36 J | 0.77 | 0.42 J |
| Carbon disulfide | - | - | - | - | - | - | 0.41 J |
| Tetrachloroethene | ND(5.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | 6.7 | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| bis[2-Ethylhexyl]phthalate [DEHP] | ND(10) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) | 2.5 | 7.1 | ND (4.5) |

| MW-414 | 11/10/1994 | 10/7/1999 | 10/6/2004 | 8/15/2006 | 4/22/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | |
| Toluene | ND(5.0) UJ/ND(5.0) UJ | ND(1.0) UJ | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| **Semi-Volatile Organic Compounds** | | | | | | | |
| All analytes | ND/ND | ND | ND | ND | ND | ND | ND |

| MW-415 | 11/10/1994 | 11/16/1994 | 10/7/1999 | 10/5/2004 | 8/15/2004 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | | | | |
| Carbon disulfide | - | - | - | - | - | - | - | 0.28 J |
| Trichloroethene | - | - | - | - | - | - | - | 0.16 J |
| **Semi-Volatile Organic Compounds** | | | | | | | | |
| All analytes | ND | - | ND | ND | ND | ND | ND | ND |

LEGEND

- PROPERTY BOUNDARY
- PIPE AND MEDIA DRAIN
- CHAIN LINK FENCE
- WET WELL
- ACCESS MANHOLE

WELL DESIGNATION

SAMPLING DATE

| MW-224 | 10/7/2004 | 4/9/2019 |
|---|---|---|
| **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(10) |
| **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(2.0) |

SSIPL COMPOUNDS

CHEMICAL CONCENTRATION IN µg/L

SSIPL = SITE SPECIFIC INDICATOR PARAMETER LIST

CONCENTRATION CODES

- J ESTIMATED VALUE
- - NOT ANALYZED
- ND( ) THE ANALYTE WAS NOT DETECTED ABOVE THE REPORTED SAMPLE QUANTITATION LIMIT LISTED IN PARENTHESES
- µg/L MICROGRAMS PER LITER
- [5.9/6.3] ORIGINAL / DUPLICATE RESULTS, WHERE APPLICABLE

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

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| | | | |
|---|---|---|---|
| COMPILED BY: MAM | PLATE TITLE: | WATER QUALITY DATA RESULTS, UPPER SHARON UNIT, 1994-2019 | |
| DRAWN BY: MAM | PROJECT TITLE: | SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO | |
| CHECKED BY: ADG | PREPARED BY: | EAGON & ASSOCIATES, INC. | PLATE NUMBER: 4 |
| APPROVED BY: MTG | | | |
| DATE: 11/11/2019 | | | |

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| MW-107 | 10/7/2004 | 4/24/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/29/2013 | 5/9/2014 | 4/21/2015 | 4/13/2016 | 4/13/2017 | 4/9/2018 | 4/12/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 195 | 134 | 122 | 57.9 | 57.1 / 54.3 | 33 | 19.5 | 27 / ND(20) | ND(130) | 11 / 11 | 9.4 | 3.2 J |
| 1,1-Dichloroethane | 1200 | 1320 | 1600 | 1060 | 1610 / 1300 | 1340 | 1330 | 1550 / 1560 | 1200 | 1100 / 1200 | 1100 | 690 |
| 1,2-Dichloroethane | 265 | 291 | 219 | 157 | 210 / 214 | 137 | 72.8 | 77.3 / 81.5 | 54 J | 55 / 50 | ND(170) | 17 |
| Acetone | ND(500) | ND(250) | ND(50) | ND(100) | ND(25)/ND(50) | ND(50) | ND(50) | ND(100)/ND(100) | ND(1300) | ND(63)/ND(63) | 5.0 J | ND (100) |
| Benzene | 76.2 | 97.8 | 110 | 82.3 | 89.1 / 89.5 | 90.9 | 94.9 | 103 / 108 | 84 J | 76 / 73 | 87 J | 89 |
| Chlorobenzene | 53.4 | 63.5 | 68.1 | 54.2 | 51.9 / 51.0 | 55.1 | 58.3 | 62.3 / 60.3 | 46 J | 42 / 40 | ND(170) | ND (10) |
| 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) | 56 / 56 | 92 J | 390 |
| cis-1,2-Dichloroethene | 281 | 369 | 434 | 270 | 208 / 211 | 104 | 43.7 | 45.1 / 54.8 | 41 J | 11 / 11 | 15 | ND (10) |
| Ethylbenzene | 830 | 1230 | 1240 | 989 | 907 / 944 | 1030 | 1150 | 1220 / 1230 | 1000 | 990 / 970 | 990 | 940 |
| Toluene | 8710 | 5370 | 5190 | 4040 | 1510 / 1340 | 2690 | 3440 | 3960 / 3940 | 3700 | 1800 / 1800 | 3700 | 3000 |
| trans-1,2-Dichloroethene | ND(50) | ND(50) | ND(10) | ND(10) | 2.7 J / ND(10) | ND(10) | ND(10) | ND(20)/ND(20) | ND(130) | ND(6.3)/ND(6.3) | 2.7 | ND (10) |
| Trichloroethene | ND(50) | ND(50) | 6.7 J | 4.5 J | 5.1 / 4.1 J | 4.2 J | ND(10) | ND(20)/ND(20) | ND(130) | ND(6.3)/ND(6.3) | 1.6 | ND (10) |
| Vinyl chloride | ND(50) | 121 | 119 | 76.3 | 142 / 143 | 97.8 | 46.8 | 55.4 / 60.1 | ND(130) | 17 / 19 | 21 | ND (1) |
| Xylenes [total] | 2760 | 4120 | 4090 | 3220 | 3320 / 2990 | 3390 | 3640 | 4140 / 4200 | 3200 | 3200 / 3300 | 820 | 3300 |

| MW-108 | 10/7/2004 | 4/23/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/29/2013 | 5/9/2014 | 4/21/2015 | 4/13/2016 | 4/12/2017 | 4/9/2018 | 4/12/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 3.0 | 8.8 | 6.7 | 5.3 / 6 | 6.1 | 5.0 / 5.3 | 4.8 | 4.4 | ND(10)/ND(10) | 3.0 / 3.5 | 2.4 J / 2.4 J | 2.3 |
| 1,1-Dichloroethane | 50.7 | 213 | 244 | 200 / 234 | 329 | 299 / 309 | 315 | 359 | 310 / 280 | 260 / 270 | 270 / 270 | 330 |
| 1,2-Dichloroethane | 59.4 | 68.9 | 67.7 | 59 / 62 | 68.5 | 67.1 / 67.6 | 75.1 | 70 | 61 / 60 | 59 / 51 | 49 / 49 | 44 |
| Acetone | 5.4 J | 3.8 J | 4.1 J | ND(10)/ND(10) | ND(5.0) | ND(5.0)/ND(5.0) | ND(5.0) | ND(5.0) | ND(100)/ND(100) | ND(10)/ND(10) | ND(25)/ND(10) | ND (13) |
| Benzene | 10.7 | 77.2 | 86.9 | 91.7 / 98.6 | 120 | 126 / 126 | 136 | 137 | 130 / 120 | 110 / 110 | 110 / 110 | 140 |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | 0.27 J | ND(10)/ND(10) | ND(1.0)/ND(1.0) | ND(2.5)/ND(1.0) | 0.29 J |
| Chloroethane | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(10)/ND(10) | ND(1.0)/ND(1.0) | ND(2.5)/ND(1.0) | ND (1.3) |
| cis-1,2-Dichloroethene | 52.8 | 128 | 155 | 144 / 156 | 199 | 201 / 208 | 210 | 237 | 250 / 220 | 180 / 190 | 200 / 200 | 240 |
| Ethylbenzene | ND(1.0) | 0.54 J | 0.61 J | 0.58 J / 0.63 J | 0.81 J | 0.50 J / 0.45 J | 0.41 J | 0.43 J | ND(10)/ND(10) | 0.30 J / 0.28 J | ND(2.5)/ND(1.0) | 0.37 J |
| Toluene | ND(1.0) | 0.59 J | 0.69 J | 0.73 J / 0.83 J | 1.1 | 1.0 / 0.97 J | 1.1 | 0.95 J | ND(10)/ND(10) | 0.74 J / 0.72 J | 0.66 J / 0.59 J | 0.81 J |
| trans-1,2-Dichloroethene | 2.0 | 4.2 | 5.0 | 3.9 / 4.5 | 5.8 | 5.9 / 6.0 | 5.4 | 6.5 | 6.0 J / 5.6 J | 5.9 / 6.0 | 4.7 / 4.8 | 6.3 J |
| Trichloroethene | 10.8 | 30.1 | 30.8 | 25.7 / 28.8 | 31 | 27.8 / 27.8 | 27.8 | 32.1 | 28 / 27 | 29 / 31 | 22 / 20 | 23 |
| Vinyl chloride | 5.5 | 53.2 | 76.8 | 61.2 / 69.5 | 119 | 115 / 117 | 130 | 114 | 110 / 95 | 82 / 86 | 85 / 100 | 98 |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | 0.32 J | 0.39 J / 0.25 J | 0.36 J | 0.36 J | ND(20)/ND(20) | ND(2.0)/ND(2.0) | ND(5.0)/ND(2.0) | 0.64 J |

| MW-101 | 8/23/2005 | 2/22/2006 | 8/16/2006 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 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) |
| Acetone | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (10)/ND (10) |
| Benzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (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) |
| Chloroethane | 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) |
| Ethylbenzene | 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) |
| 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0)/ND (2.0) |

| MW-102 | 8/24/2005 | 2/22/2006 | 8/16/2006 | 4/22/2009 | 5/6/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-109 | 8/22/2005 | 2/21/2006 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-110 | 8/22/2005 | 2/22/2006 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/12/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-104 | 8/24/2005 | 2/24/2006 | 8/17/2006 | 4/23/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-105 | 8/24/2005 | 2/24/2006 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 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) |
| Acetone | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND(10)/ND(10) |
| Benzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (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) |
| Chloroethane | 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) |
| Ethylbenzene | 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) |
| 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND(2.0)/ND(2.0) |

| MW-106 | 8/25/2005 | 3/6/2006 | 8/17/2006 | 4/23/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND (1.0) | 2.2/1.9 | 1.3 | 4.2/4.2 | 4.1 | 0.89 J |
| 1,1-Dichloroethane | ND (1.0) | 1.2/1.1 | 1 | 2.3/2.2 | 3.3 | 1.1 |
| 1,2-Dichloroethane | ND (1.0) | 0.66 J/0.79 J | 0.71 J | 1.6/1.5 | 2.4 | 0.69 J |
| Acetone | ND (5.0) | ND (5.0) | 3.0 J | ND (5.0) | ND (5.0) | ND (10) |
| Benzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | 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) |
| Chloroethane | 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) |
| Ethylbenzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.5) | ND (1.0) |
| Toluene | ND (1.0) | 1.2/1.3 | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-103 | 8/23/2005 | 2/22/2006 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-4 | 10/4/2004 | 4/21/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/30/2013 | 5/6/2014 | 4/21/2015 | 4/13/2016 | 4/13/2017 | 4/10/2018 | 4/10/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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(5.0) | ND(5.0) | ND(10.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) | ND(10) | ND(10) | ND(10)/ND(10) |
| Benzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Chloroethane | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| cis-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 0.50 J | ND(1.0)/ND(1.0) |
| trans-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Trichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Vinyl chloride | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(2.0) | ND(2.0) | 0.41 J | ND (2.0)/ND(2.0) |

| MW-111 | 10/7/2004 | 4/23/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/30/2013 | 5/9/2014 | 4/20/2015 | 4/12/2016 | 4/12/2017 | 4/9/2018 | 4/12/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.6 | 2.3 | 2 | 1.1 | 1.6 | ND(1.0) | 1.4 | ND(1.0)/ND(1.0) | ND(2.0) | 0.67 J | 1.1 J | 0.8 J |
| 1,1-Dichloroethane | 47.1 | 31.4 | 33.7 | 21.1 | 32.2 | 32.9 | 29.2 | 34.5 / 34.6 | 17 | 19 | 28 | 28 |
| 1,2-Dichloroethane | 144 | 69.1 | 75.1 | 44.5 | 73.7 | 96.4 | 112 | 131 / 133 | 57 | 73 | 120 | 88 |
| 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) | ND(25) | ND(25) | ND (10) |
| Benzene | 0.34 J | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5)/ND(0.5) | ND(2.0) | ND(2.5) | ND(2.5) | 0.18 J |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(2.0) | ND(2.5) | ND(2.5) | ND (1.0) |
| Chloroethane | 1.6 | 1.4 | 1.4 | 0.88 J | 1.2 | 1.7 | 1.7 | 1.6 / 1.5 | 0.7 J | ND(2.5) | ND(2.5) | 1.3 |
| cis-1,2-Dichloroethene | 8.2 | 6.3 | 7.5 | 4.9 | 6.3 | 7.1 | 6.1 | 7.2 / 7.3 | 4 | 4.4 | 6.4 | 6.2 |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0)/ND(1.0) | ND(2.0) | ND(2.5) | ND(2.5) | 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(2.0) | ND(2.5) | ND(2.5) | 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(2.0) | ND(2.5) | ND(2.5) | 0.20 J |
| Trichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(2.0) | ND(2.5) | ND(2.5) | ND (1.0) |
| Vinyl chloride | 8.6 | 5.2 | 7 | 3.3 | 6.2 | 6.5 | 6 | 8.4 / 8.9 | 3.2 | 4.9 | 7.6 | 8.9 |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 0.2 J / 0.19 J | ND(4.0) | ND(5.0) | ND(5.0) | ND(2.0) |

| MW-113 | 10/7/2004 | 4/20/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/29/2013 | 5/9/2014 | 4/21/2015 | 4/13/2016 | 4/13/2017 | 4/10/2018 | 4/9/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | ND(10) | ND(5.0) | 3.6 J | ND(10.0) | 5.9 | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) | ND(10) | ND(10) | 6.5 J |
| Benzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 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(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 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(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| MW-115 | 10/5/2004 | 4/21/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/29/2013 | 5/7/2014 | 4/21/2015 | 4/13/2016 | 4/13/2017 | 4/10/2018 | 4/10/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| 1,1-Dichloroethane | 1.3 | 2.5/1.8 | 1.9 | 1.7 | 2 | 2.1 | 1.1 | 1.1 | 0.74 J | 0.64 J | 0.43 J / 0.40 J | 1.4 |
| 1,2-Dichloroethane | ND(1.0) | ND(1.0)/ND(1.0) | 0.44 J | 0.46 J | ND(1.0) | 0.6 J | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | 0.37 J |
| Acetone | ND(10) | ND(5.0)/ND(5.0) | ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) | ND(10) | ND(10)/ND(10) | ND (10) |
| Benzene | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Chlorobenzene | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Chloroethane | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| cis-1,2-Dichloroethene | 3.6 | 8.7/5.6 | 7.2 | 7 | 7.4 | 10.1 | 2.5 | 3.2 | 1.7 | 1.6 | 0.72 J / 0.74 J | 5.7 |
| 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) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Toluene | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 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) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Trichloroethene | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Vinyl chloride | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND (1.0) |
| Xylenes [total] | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(2.0) | ND(2.0) | ND(2.0)/ND(2.0) | ND(2.0) |

| MW-118 | 8/22/2005 | 2/21/2006 | 8/14/2006 | 4/20/2009 | 5/6/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | 4.6 | 3.1 | 2.1 | 1.8 | 2.2 |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-117 | 8/23/2005 | 2/27/2006 | 8/15/2006 | 4/21/2009 | 5/8/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 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) |
| Acetone | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (10)/ ND (10) |
| Benzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (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) |
| Chloroethane | 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) |
| Ethylbenzene | 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) |
| 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0)/ND (2.0) |

| 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 | 4/13/2017 | 4/10/2018 | 4/11/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 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 | 2.7 J | ND (10) | ND (10) |
| Benzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | 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(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 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(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| MW-11 | 10/7/2004 | 4/23/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/29/2013 | 5/9/2014 | 4/21/2015 | 4/12/2016 | 4/12/2017 | 4/9/2018 | 4/12/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 54.3 | 45.5 | 37.7 | 28.1 | 24.4 | 28 | 17.6 | 20.1 | 14 | 14 | 15 | 11 |
| 1,1-Dichloroethane | 73.7 | 76.2 | 79.3 | 63.4 | 63.3 | 77.7 | 54.4 | 57.7 | 48 | 54 | 70 | 56 |
| 1,2-Dichloroethane | 1.8 | 1.6 | 1.3 | 1.2 | 1.3 | 1.5 | 1.1 | 1.1 | 0.98 J | 1.2 J | 1.0 | 0.9 J |
| Acetone | ND(10) | ND(5) | ND(5) | ND(10) | ND(5) | ND(5) | ND(5) | ND(5) | ND(17) | ND(25) | ND(10) | ND (10) |
| Benzene | 0.55 J | 0.7 J | 0.71 J | 0.61 J | 0.55J | 0.7J | ND(0.5) | 0.33 J | ND(1.7) | ND(2.5) | 0.48 J | 0.25 J |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.7) | ND(2.5) | 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(1.7) | ND(2.5) | ND(1.0) | ND(1.0) |
| cis-1,2-Dichloroethene | 62.3 | 55.5 | 59.2 | 50.7 | 44.2 | 57.5 | 33.3 | 32.1 | 28 | 27 | 49 | 29 |
| 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(1.7) | ND(2.5) | 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(1.7) | ND(2.5) | ND(1.0) | ND(1.0) |
| trans-1,2-Dichloroethene | 2 | 2.4 | 2.4 | 1.9 | 1.6 | 2.1 | 0.88 J | 1.1 | 0.74 J | 0.91 J | 1.3 | 0.80 J |
| Trichloroethene | 186 | 122 | 101 | 95.9 | 75.6 | 88.9 | 36.9 | 45.9 | 44 | 42 | 88 | 31 |
| Vinyl chloride | 2.2 | 5 | 5.2 | 6.1 | 4.1 | 6.2 | 2.8 | 3.6 | 2.1 | 4 | 6.6 | 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) | ND(1.0) | ND(3.3) | ND(5.0) | ND(5.0) | ND(2.0) |

| MW-116 | 8/23/2005 | 2/27/2006 | 8/15/2006 | 4/21/2009 | 5/7/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | 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 | 4/9/2019 |
|---|---|---|
| 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(10) |
| 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(2.0) |

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

**NOTE: Results shown before August 31, 2005 are prior to shutdown.**

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

| | |
|---|---|
| COMPILED BY: MAM | PLATE TITLE: WATER QUALITY DATA RESULTS, WATER TABLE UNIT POST-SHUTDOWN |
| DRAWN BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO |
| CHECKED BY: ADG | PREPARED BY: EAGON & ASSOCIATES, INC. |
| APPROVED BY: MTG | PLATE NUMBER: 5 |
| DATE: 11/11/2019 | |

F:\AUTOCADX\SUMMIT-NATIONAL\CONCENTRATION PLOTS\5 YEAR REPORT 2019\CONCENTRATION PLOT - 5YR -2019.DWG

# EAGON & ASSOCIATES, INC.

| MW-202 | 8/24/2005 | 2/22/2006 | 8/16/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| 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 (5.0)/ND (5.0) | ND (5.0)/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 (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 (1.0) | ND (0.5) | 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-201 | 8/23/2005 | 2/22/2006 | 8/16/2006 | 4/21/2009 | 5/6/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|
| 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) |
| 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) |
| 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) |
| Acetone | ND (5.0) | ND (5.0) | 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 (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) |
| 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) |
| 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) | - |
| Ethylbenzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0)/ND (1.0) | ND (0.5)/ND(0.5) | 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) |
| 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) |
| 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) |
| 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) |
| Xylenes [total] | 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-219 | 8/24/2005 | 3/7/2006 | 8/17/2006 | 4/23/2009 | 5/8/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | 0.41 | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | 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 | 4/13/2017 | 4/10/2018 | 4/11/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | ND(10) | ND(5.0) | 13.8 | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10) | 4.1 J | ND (10) | ND (10) |
| Benzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | 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(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 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(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| MW-207 | 10/7/2004 | 4/24/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/30/2013 | 5/9/2014 | 4/21/2015 | 4/12/2016 | 4/12/2017 | 4/9/2018 | 4/12/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 1,1-Dichloroethane | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 1,2-Dichloroethane | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 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) | ND(10) | ND(10) | ND(10) |
| Benzene | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chlorobenzene | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chloroethane | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| cis-1,2-Dichloroethene | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | 0.56 J/0.57 J | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Toluene | 6.7/6.2 | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| trans-1,2-Dichloroethene | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Trichloroethene | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Vinyl chloride | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Xylenes [total] | 1.6/1.5 | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| MW-209 | 10/4/2004 | 4/20/2009 | 6/2/2010 | 4/29/2011 | 4/24/2012 | 4/30/2013 | 5/6/2014 | 4/21/2015 | 4/13/2016 | 4/13/2017 | 4/10/2018 | 4/11/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 1,1-Dichloroethane | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 1,2-Dichloroethane | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Acetone | 3.2 J | 14.4 | 9.6/9.1 | ND(10) | ND(5.0)/ND(5.0) | 12.8 | 9.3/10 | 5.1 | 5.1 J | 5.6 J | 4.4 J | 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(0.5)/ND(0.5) | ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chloroethane | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| cis-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(0.5)/ND(0.5) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | 0.39 J | ND(1.0) | ND(1.0) | 0.31 J | Nd (1.0) |
| trans-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Trichloroethene | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Vinyl chloride | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(2.0) | ND(2.0) | 0.26 J | ND (2.0) |

| MW-203 | 8/24/2005 | 3/2/2006 | 8/17/2006 | 4/23/2009 | 5/9/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 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) |
| Acetone | ND (5.0) | 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 (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) |
| Chloroethane | 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) |
| Ethylbenzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.5)/ ND (0.5) | 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) |
| 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0)/ND (1.0) | ND (2.0) |

| MW-206 | 8/25/2005 | 3/6/2006 | 8/18/2006 | 4/23/2009 | 5/10/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | 0.41 | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | 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 | 4/12/2017 | 4/9/2018 | 4/9/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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(5.0) | ND(5.0) | ND(10) | ND(5.0) | ND(5.0) | ND(5.0) | ND(5.0) | ND(10)/ND(10) | ND(10) | ND(10) | ND(10) |
| Benzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(0.5) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chlorobenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Chloroethane | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| cis-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Ethylbenzene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(0.5) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Toluene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| trans-1,2-Dichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Trichloroethene | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Vinyl chloride | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0)/ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| Xylenes [total] | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(2.0)/ND(2.0) | ND(2.0) | ND(2.0) | ND(2.0) |

| MW-204 | 8/23/2005 | 2/27/2006 | 8/15/2006 | 4/22/2009 | 5/8/2014 | 4/9/2019 |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 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) |
| 1,2-Dichloroethane | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) |
| Acetone | 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 (0.5) | ND (1.0) |
| Chlorobenzene | 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) |
| cis-1,2-Dichloroethene | 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 (0.5) | ND (1.0) |
| Toluene | 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

| MW-223 | 8/24/2005 | 11/14/2005 | 3/8/2006 | 8/16/2006 | 4/23/2009 | 5/8/2014 | 4/10/2019 |
|---|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 1.9 | 2.8 | 2.3 | 2.5 | 1.9 | 1.7 | 1.7 |
| 1,2-Dichloroethane | 4.2 | 4.9 | 4.5 | ND (1.0) | 4.2 | 3.7 | 3 |
| Acetone | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | ND (5.0) | 6.5 J |
| Benzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | 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) |
| Chloroethane | 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 | 2.4 | 4 | 2.8 | 2.7 | 2.1 | 1.8 | 1.7 |
| Ethylbenzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.5) | 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) |
| 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) |
| Trichloroethene | 0.31 | 0.47 J | 0.38 J | 0.36 J | 0.35 J | ND (1.0) | 0.28 J |
| Vinyl chloride | 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 (2.0) |

| MW-205 | 8/23/2005 | 11/15/2005 | 2/27/2006 | 8/15/2006 | 4/22/2009 | 5/7/2014 | 4/11/2019 |
|---|---|---|---|---|---|---|---|
| 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) |
| 1,1-Dichloroethane | 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) |
| Acetone | ND (5.0) | 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 (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) |
| Chloroethane | 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) |
| Ethylbenzene | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (0.5) | 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) |
| 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) |
| Trichloroethene | 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) |
| Xylenes [total] | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (1.0) | ND (2.0) |

## 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 | 4/9/2019 |
|---|---|---|
| 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(10) |
| 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(2.0) |

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

**NOTE: Results shown before August 31, 2005 are prior to shutdown.**

0 50 100
GRAPHIC SCALE IN FEET

SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

| | | | |
|---|---|---|---|
| COMPILED BY: MAM | PLATE TITLE: WATER QUALITY DATA RESULTS, UPPER INTERMEDIATE UNIT POST-SHUTDOWN | | |
| DRAWN BY: MAM | PROJECT TITLE: SUMMIT NATIONAL SUPERFUND SITE DEERFIELD, OHIO | | |
| CHECKED BY: ADG | PREPARED BY: EAGON & ASSOCIATES, INC. | PLATE NUMBER: 6 | |
| APPROVED BY: MTG | | | |
| DATE: 11/11/2019 | | | |