American Color & Chemical, L.L.C.
Mount Vernon Street
P.O. Box 88
Lock Haven, PA 17745
Telephone 570-748-6492
FAX 570-748-3974

April 17, 2023

VIA ELECTRONIC DELIVERY

Mr. Kevin Bilash
Project Coordinator
U.S. Environmental Protection Agency - Region III
1650 Arch Street (3WC22)
Philadelphia, PA 19103

2023 First Quarterly Progress Report
Corrective Measures Implementation Order
American Color & Chemical, L.L.C.
Lock Haven, Pennsylvania
RCRA-III-082-CA

Dear Mr. Bilash:

One copy of the 2023 First Quarterly Progress Report is hereby submitted to the U.S. Environmental Protection Agency (U.S. EPA) Region III for the American Color & Chemical, L.L.C. (ACC) Lock Haven, Pennsylvania Facility (Facility). This submittal is pursuant to Section VI.I.4 of the March 27, 1997 Administrative Order on Consent (AOC), Docket No. RCRA-III-082-CA, for the Resource Conservation and Recovery Act (RCRA) Corrective Measures Implementation (CMI) at the above referenced Facility.

Please contact me if there are any questions regarding the contents of this Quarterly Progress Report, or comments regarding Facility activities pursuant to the CMI process.

Best Regards,

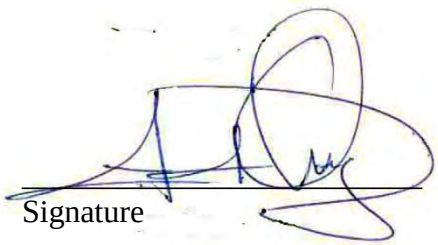
Jesse Overgord
Director, Environmental Affairs

Attachments

cc:\ Ms. Lisa Houser – PADEP
Mr. Scott Ferguson – PADEP

CERTIFICATION STATEMENT

In accordance with *40 CFR 270.11(b)*, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Signature

Jesse Overgord

Name

Director, Environmental Affairs

Title

4/17/2023

Date

The 2023 First Quarterly Progress Report is hereby submitted to the U.S. Environmental Protection Agency (U.S. EPA) Region III for the American Color & Chemical, L.L.C. (ACC) Lock Haven, Pennsylvania Facility (Facility). This submittal is pursuant to Section VI.I.4 of the March 27, 1997, *Administrative Order on Consent* (AOC), Docket No. RCRA-III-082-CA, for the Resource Conservation and Recovery Act (RCRA) Corrective Measures Implementation (CMI) at the above-referenced Facility. A summary of the monitoring activities conducted since the initiation of the groundwater corrective measures is included within this submittal.

2023 FIRST QUARTER ACTIVITIES

The following project activities were conducted during the reporting period (*i.e.*, January 1, 2023, to March 31, 2023):

- Activities related to the continued operation and monitoring of the groundwater collection and treatment system were completed throughout the quarter (Attachments A and B); and,

- Groundwater gauging and sampling activities were conducted at the Facility during the week of February 6, 2023, in accordance with the revised groundwater monitoring program contained within the Pennsylvania Department of Environmental Protection (PADED)-approved *Modified RCRA Part B Hazardous Waste Post-Closure Care Permit* dated March 15, 2019[1] (Attachments A and B).

IMPLEMENTATION OF THE MONITORING AND MAINTENANCE PLAN

- Throughout the reporting period, groundwater recovery rates (*via* flowrate and totalizer readings) were monitored on a periodic basis;

- Throughout the reporting period, system operating pressures were monitored through direct readings of pressure gauges throughout the systems;

- As stipulated in the *Operations and Maintenance Plan* (O&M Plan)[2], and as modified by the PADEP-approved *Modified RCRA Part B Hazardous Waste Post-Closure Care Permit* dated March 15, 2019, recovery well, system influent and effluent samples were collected during the reporting period to monitor performance. Attachment A provides the analytical laboratory reports and Attachment B provides the field sampling forms;

- Volatile organic compound (VOC) samples were analyzed by U.S. EPA Method 8260C on a quarterly/monthly basis;

[1] PADEP, March 15, 2019, *RCRA Part B Hazardous Waste Post-Closure Care Permit Modification*, Submitted to ACC.

[2] ACC, February 26, 2001, *Operations and Maintenance Plan, Volume I of III, Monitoring and Maintenance Plan*, submitted to U.S. EPA on behalf of ACC.

- Semi-volatile organic compound (SVOC) samples were analyzed by U.S. EPA Method 8270C on a quarterly basis;

- Hydraulic monitoring was conducted at a minimum of one event per quarter during the reporting period; and,

- Routine system operations and maintenance activities were conducted during the reporting period and included: flowmeter calibration verification and safety alarm testing.

RESULTS OF ACTIVITIES COMPLETED

Based on the activities completed during the reporting period, the following data and observations were collected:

- Flowmeter totalizer readings were obtained periodically throughout the reporting period. The average groundwater flow rates and flow totals for the reporting period are presented in Table 1-a for the Northern Area system, and Table 2-a for the Central Area system. Extraction well-pumping rate information is presented in Table 1-b for the Northern Area system, and Table 2-b for the Central Area system. The Northern Area system operated at an average flow rate of approximately 7.67 gallons per minute (gpm) (above the target pumping rate of 7 gpm), and the Central Area system at an average flow rate of approximately 2.32 gpm during the quarter (above the target pumping rate of 2 gpm).

- As indicated in Tables 1-a and 1-b, the Northern Area system, capturing the target groundwater, was operational throughout the entire reporting period. The average pumping rate was above the target pumping rate of 7 gpm (at 7.67 gpm). The treatment system continues to be closely monitored.

- As indicated in Tables 2-a and 2-b, the Central Area system was operational throughout the quarter. The Central Area system's average pumping rate was above the target pumping rate of 2 gpm (at 2.32 gpm). The treatment system continues to be closely monitored.

- Figure 1 shows the February 6, 2023 groundwater potentiometric surface map for the Facility with the Northern Area and Central Area systems operating at instantaneous flow rates of approximately 7.89 and 2.36 gpm, respectively. The table included on Figure 1 presents the groundwater potentiometric surface elevation measurements on February 6, 2023, used to generate the potentiometric surface presented on the figure.

- Pressure readings in the systems are monitored continuously by the PLC and periodically recorded by the Operator. The readings indicate that operating pressures were observed to be well below the 30 pounds per square inch maximum allowable pressure for both systems.

- The analytical sample results for the Northern Area system are included in Table 3 and Table 4 for VOCs and SVOCs, respectively. The analytical laboratory reports are included in Attachment A.

- The analytical sample results for the Central Area system are included in Table 5 and Table 6 for VOCs and SVOCs, respectively. The sample results from the Central Area system indicate that additional mass of COIs is further loaded on the activated carbon thereby increasing the maximum amount of constituent removal from the Facility groundwater per pound of carbon used. The analytical laboratory reports are included in Attachment A.

- Groundwater quality field parameters were collected throughout the reporting period for both the Northern Area and Central Area systems and are presented in Table 7. The acidic to neutral pH, generally low dissolved oxygen (DO) concentrations, and negative oxidation reduction potential (ORP) readings in the effluent indicate that conditions remain favorable for maintaining dissolved metals in solution and thereby reducing the potential for fouling.

- Groundwater monitoring activities for the First Quarter 2023 were completed in accordance with the scope of work presented in Revised Volume II of the *Monitoring and Maintenance Plan: Groundwater Monitoring Plan*[3] (GMP), included within the Facility's *Modified Hazardous Waste Post-Closure Care Permit* approved by PADEP on March 15, 2019. The U.S. EPA had approved the optimized groundwater monitoring program, originally proposed in the April 15, 2014 *Corrective Measures Five-Year Assessment Report*[4], on November 15, 2016[5]. Sampling was therefore conducted as follows:

  - Quarterly monitoring was performed with sampling and analysis on recovery wells APW-01, APW-02, APW-03, APW-04, APW-05, ARW-01, and ARW-02. Sample collection was conducted on February 7, 2023.

  - Groundwater samples were analyzed for the quarterly list of constituents listed in Table 2 of the GMP, including Target Compound List (TCL) VOCs and TCL SVOCs.

  - Tables 8 and 9 present the First Quarter 2023 recovery well sampling results for VOCs and SVOCs, respectively, as required by the GMP. The analytical laboratory reports are included in Attachment A.

  - Figures 2A and 2B present the groundwater monitoring program analytical data for VOCs and SVOCs, respectively, only for some historical data points and the most recent quarters of sampling, due to readability issues. Quarterly data for quarters not depicted on these drawings can be found in previous quarterly reports. The U.S. EPA indicated via email on March 16, 2023 that the 2023 First Quarterly Progress Report should discuss potential increases in SVOCs in certain Central System and Southeast Area wells observed in the 2022 Fourth Quarterly Progress Report. Aforementioned Figure 2B presents the data for the subject timeframe, and includes the First Quarter 2023 data. Only two wells within the

[3] Key Environmental, Inc., Revised May 9, 2018, *Groundwater Monitoring Plan, Monitoring and Maintenance Plan, Volume II of III*, Submitted to U.S. EPA on behalf of ACC, as part of the *RCRA Part B Post-Closure Care Permit No. PAD 003047792 Permit Modification Application* of May 8, 2018 (submitted to PADEP on behalf of ACC).

[4] Key Environmental, Inc., April 15, 2014, *Corrective Measures Five Year Assessment Report*, Submitted to the U.S. EPA –Region III on behalf of ACC.

[5] U.S. EPA Region III, November 15, 2016, *April 15, 2014 Corrective Measures Five Year Assessment Report – Comment Resolution*, Submitted to ACC.

System Area and Southeast Area were sampled in this quarter: ARW-01 and ARW-02. At each location, there is some data fluctuation for various constituents, however, none of the results exceed the historic high values. The ARW-01 February 2023 results are very similar to the January 2022 results for seven of the ten presented constituents, and are slightly higher for three constituents. The three slightly higher constituent results are below historic highs, as previously noted. The ARW-02 February 2023 results are lower than the January 2022 results and the July 2022 results. It should additionally be noted that the July 2022 results indicate no changes to the extent of constituents. Seven monitoring locations (MW-08, MW-23, MW-201, MW-14R, MW-202, MW-3-3, and MW-3-2) have no SVOC constituent results that exceed their respective Media Cleanup Standards (MCSs). The other locations (ARW-01, ARW-02, MW-3-1, and MW-203) show results that are consistent with previous results in terms of the number of constituents that exceed their MCSs.

- Groundwater quality field parameters including dissolved oxygen, oxidation/reduction potential, pH, specific conductance, temperature, and turbidity were measured prior to sample collection. The data for these measurements are presented on the Groundwater Sample Collection Records included as Attachment B. The chain of custody forms are included in the laboratory data package included in Attachment A.

- The following field quality control samples were collected and analyzed during the sampling event: one blind duplicate (associated with recovery well APW-02), one replicate (associated with recovery well APW-02), one trip blank, one equipment blank, and additional sample volume for analysis of one project-specific matrix spike/matrix spike duplicate. The replicate sample is not a requirement of the GMP, but may be utilized in a statistical analysis of the data that will be performed at a later date.

- Recovery wells were purged for a minimum of 24 hours or three well volumes prior to sampling.

- Laboratory-supplied bottles were filled, labeled, packed with ice in a cooler, and transported under chain-of-custody procedures to a Pennsylvania-accredited lab (Eurofins TestAmerica), Pittsburgh, Pennsylvania.

SUPPLEMENTAL CORRECTIVE MEASURES IMPLEMENTATION PROGRESS SUMMARY

No monitoring activities were conducted this quarter in the Southeast Area of the Facility due to well accessibility issues resulting from inclement weather conditions. In accordance with the Performance Monitoring Schedule contained in the U.S.EPA-approved *Supplemental Corrective Measures Plan*

(SCMP) dated October 14, 2016[6] (approved by the U.S. EPA and PADEP[7]), and pursuant to PADEP's approval letter to ACC dated August 9, 2017[8], sampling events continue to occur annually, and field parameter monitoring continues to be conducted semi-annually.

The U.S. EPA requested via email on March 16, 2023 that ACC details how the need/timing for supplemental treatments is determined in the Aerobic Treatment Zone and propose a more definitive timeframe. Over the past twelve months, oxygen reduction potential (ORP) and dissolved oxygen (DO) measurements have been measured to determine the new baseline for the Aerobic Treatment Zone (previously an anaerobic treatment zone changed to an aerobic treatment zone as described in the 2021 Second Quarterly Progress Report) post-treatment. Establishing the properties of the new steady state will be used to help determine dosages of peroxide needed for subsequent injections. ACC proposes to perform supplemental treatment in September 2023 if anaerobic conditions persist. Peroxide will again be injected into the Aerobic Treatment Area to restart contaminant degradation. Future injection events will be triggered when greater than one-half of the monitoring points in the aerobic zone drop to less than 1.0 mg/l, and will occur within 12 months of this benchmark.

The next performance monitoring activities are scheduled to be conducted in the Second Quarter of 2023 and results will be included in the 2023 Second Quarterly Progress Report. Information relative to the exact scheduling of the next supplemental treatment, based upon the data collected, will also be presented.

PROBLEMS/DELAYS ENCOUNTERED

None.

COMMUNICATIONS WITH U.S. EPA AND PADEP DURING THE REPORTING PERIOD

The following letters/reports, telephone conference calls or calls, email messages, and project meetings were completed during the reporting period:

- January 16, 2023 – ACC provided the U.S. EPA with the *2022 Fourth Quarterly Progress Report.*[9]

- January 17, 2023 – PADEP (Ms. Kara Emmert) indicated to KEY via email that she no longer will be the point of contact for the Facility and to address future communications to Ms. Lisa Houser.

[6] Key Environmental, Inc. (KEY), October 14, 2016, *Supplemental Corrective Measures Plan*, Submitted to U.S. EPA on behalf of ACC.
[7] U.S. EPA, December 20, 2016, Email: *Supplemental Corrective Measures Plan*, Sent to Key Environmental, Inc. PADEP, August 9, 2017, Letter: *Supplemental Corrective Measures Plan & Five Year Assessment Report*, Submitted to ACC.
[8] PADEP, August 9, 2017, Letter: *Supplemental Corrective Measures Plan & Five Year Assessment Report*, Submitted to ACC
[9] ACC, January16, 2023, *2022 Fourth Quarterly Progress Report*, submitted to the U.S. EPA.

- January 17, 2023 – On behalf of ACC, KEY asked PADEP (Ms Lisa Houser) via email who to contact at PADEP regarding coordinating the upcoming triannual Comprehensive Groundwater Monitoring Evaluation (CGME) event.

- January 18, 2023 – PADEP (M.s Lisa Houser) and KEY exchanged several emails to discuss details regarding coordination for the upcoming CGME event.

- March 10, 2023 – Mr. Scott Ferguson from PADEP emailed KEY to introduce himself as the new contact for the Facility (replacing Ms. Kara Emmert).

- March 14, 2023 – On behalf of ACC, KEY replied to PADEP (Mr. Scott Ferguson), providing information regarding the sampling schedule of the CGME event planned for July 2023.

- March 16, 2023 – The U.S. EPA (Mr. Kevin Bilash) emailed ACC, Beazer, and KEY to provide three comments/requests regarding the 2022 Fourth Quarterly Progress Report: 1) edit the text to reflect how the laboratory reports are currently provided; 2) provide information regarding how the need for peroxide treatments is determined in the Southeast Area; and, 3) provide a discussion in the 2023 First Quarterly Progress Report about potential increases in SVOC concentrations in some Southeast Area and Central Area monitoring wells.

- March 24, 2023 – On behalf of ACC, KEY replied to the U.S. EPA's email of March 16, 2023 indicating that the issues raised would be addressed and answers provided.

ANTICIPATED ACTIONS DURING THE COMING THREE MONTHS

The following actions are anticipated during the upcoming reporting period:

- Specific activities related to the continued implementation of the Final Groundwater CMIP and the Monitoring and Maintenance Plan will be implemented;

- Activities related to the operations and maintenance of the groundwater treatment systems will be continued;

- Groundwater monitoring activities for the Second Quarter of 2023 will include only gauging activities, in accordance with the revised groundwater monitoring program contained within the PADEP-approved *Modified RCRA Part B Hazardous Waste Post-Closure Care Permit* dated March 15, 2019;

- A treatment system carbon exchange will be completed; and,

- Monitoring activities related to performance monitoring in the Southeast Area of the Facility, in accordance with the SCMP, will be conducted in the Second Quarter of 2023. Results will be presented in the next quarterly progress report.

ANTICIPATED PROBLEMS OR DELAYS

None.

ATTACHMENTS TO THIS REPORT

The following are attached to this Report:

- Attachment A - Analytical laboratory reports and chain of custody forms; and,
- Attachment B - Field Sampling Forms.

TABLES

TABLE 1-a - GROUNDWATER FLOWRATE INFORMATION - NORTH AREA
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

Date/Time	Total Average Flowrate (gpm)	Total System Volume Pumped (gal)	APW-01		APW-02		APW-03		APW-04		APW-05		Comments
			Average Flowrate (gpm)	Total Gallons Pumped (gal)	Average Flowrate (gpm)	Total Gallons Pumped (gal)	Average Flowrate (gpm)	Total Gallons Pumped (gal)	Average Flowrate (gpm)	Total Gallons Pumped (gal)	Average Flowrate (gpm)	Total Gallons Pumped (gal)	
1/5/2023 9:20	7.5	77,039,494	1.1	12,811,808	1.1	10,103,945	1.2	11,959,482	2.1	21,093,847	2.0	21,070,412	Treatment system operated full time since last reading.
1/11/2023 9:20	7.5	77,104,245	1.1	12,821,571	1.1	10,113,837	1.2	11,969,645	2.1	21,111,755	2.0	21,087,437	Treatment system operated full time since last reading; Replaced flowmeter batteries on APW-01 (no downtime).
1/18/2023 11:50	7.5	77,180,831	1.1	12,832,971	1.1	10,125,546	1.2	11,981,655	2.1	21,132,967	2.0	21,107,692	Treatment system operated full time since last reading.
1/25/2023 10:05	7.5	77,255,746	1.1	12,843,988	1.1	10,136,971	1.2	11,993,458	2.1	21,153,687	2.0	21,127,642	Treatment system operated full time since last reading; Replaced flowmeter batteries on APW-05 (no downtime).
2/2/2023 8:40	7.5	77,341,301	1.1	12,856,536	1.2	10,150,130	1.2	12,006,961	2.1	21,177,465	2.0	21,150,209	Treatment system operated full time since last reading.
2/6/2023 7:20	7.8	77,385,363	1.1	12,862,854	1.2	10,156,671	1.2	12,013,646	2.1	21,189,237	2.2	21,162,955	Treatment system operated full time since last reading; Week of of First Quarter 2023 gauging and sampling event.
2/7/2023 8:20	7.8	77,397,115	1.1	12,864,521	1.1	10,158,395	1.2	12,015,414	2.1	21,192,352	2.3	21,166,433	Treatment system operated full time since last reading.
2/16/2023 9:30	7.9	77,499,950	1.1	12,879,014	1.1	10,173,349	1.2	12,030,793	2.1	21,219,377	2.4	21,197,417	Treatment system operated full time since last reading.
2/23/2023 9:30	7.8	77,578,912	1.1	12,890,301	1.1	10,184,866	1.2	12,042,625	2.1	21,240,199	2.3	21,220,921	Treatment system operated full time since last reading.
3/2/2023 8:55	7.8	77,656,891	1.1	12,901,485	1.1	10,196,378	1.2	12,054,444	2.1	21,260,977	2.3	21,243,607	Treatment system operated full time since last reading.
3/10/2023 8:08	7.7	77,745,093	1.1	12,914,246	1.1	10,209,541	1.2	12,067,970	2.0	21,283,413	2.3	21,269,923	Treatment system operated full time since last reading; Flowmeter batteries replaced on APW-04 (no downtime)
3/16/2023 8:15	7.7	77,811,480	1.1	12,923,784	1.1	10,219,389	1.2	12,078,093	2.0	21,300,984	2.2	21,289,230	Treatment system operated full time since last reading.
3/20/2023 8:25	7.8	77,856,210	1.1	12,930,202	1.1	10,226,017	1.2	12,084,898	2.1	21,312,819	2.3	21,302,274	Treatment system operated full time since last reading.
3/27/2023 11:05	7.8	77,936,326	1.1	12,941,588	1.2	10,237,798	1.2	12,097,022	2.0	21,333,769	2.3	21,326,149	Treatment system operated full time since last reading.

Notes:
Latest carbon changeout took place on September 8, 2022.
gpm - Gallons per minute.
gal - Gallons.
Flowrates and totalizers are approximate.
Totals are since system startup.

TABLE 1-b -EXTRACTION WELL PUMPING RATE INFORMATION - NORTH AREA
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL LLC FACILITY
LOCK HAVEN, PENNSYLVANIA

First Quarter 2023 [1]	APW-01	APW-02	APW-03	APW-04	APW-05
		Total Water Pumped (in gallons)			
First Data Collection Visit: 12/27/22 8:05 AM*	12,797,182	10,088,998	11,944,186	21,066,552	21,044,518
Last Data Collection Visit: 3/27/23 11:05 AM	12,941,588	10,237,798	12,097,022	21,333,769	21,326,149
Total Gallons Pumped:	144,406	148,800	152,836	267,217	281,631
Reporting Period Duration:	90 days 3 hours				
Reporting Period Downtime: [2]	NA	NA	NA	NA	NA
Routine Maintenance Downtime:	NA	NA	NA	NA	NA
Scheduled Shutdown Downtime:	NA	NA	NA	NA	NA
Infiltration Gallery Upset Downtime	NA	NA	NA	NA	NA
Unplanned Downtime:	NA	NA	NA	NA	NA
Reporting Period Operating Time:	90 days 3 hours	90 days 3 hours	90 days 3 hours	90 days 3 hours	90 days 3 hours
Reporting Period Percent Operating Time:	100.00%	100.00%	100.00%	100.00%	100.00%
Average Quarterly Pumping Rate (gpm):	1.11	1.15	1.18	2.06	2.17
All Extraction Wells Average Quarterly Pumping Rate (gpm)	7.67				

Notes: [1] *Flow and operation data are from Table 1-a.*

[2] *Details regarding well downtime can be found in Table 1-a and "Results of Activities Completed" in the report text.*

** For flow calculation purposes, the flow for each well at the end of the previous quarter was used, though the first quarterly visit was on 1/5/23.*

NA = Non Applicable

TABLE 2-a - GROUNDWATER FLOWRATE INFORMATION - CENTRAL AREA
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

Date/Time	Total Average Flowrate	Total System Volume Pumped	ARW-01		ARW-02		Comments
			Average Flowrate	Total Gallons Pumped	Average Flowrate	Total Gallons Pumped	
	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	
1/5/23 9:20	2.3	35,019,191	1.1	17,374,188	1.2	17,645,003	Treatment system operated full time since last reading.
1/11/23 9:20	2.3	35,039,170	1.1	17,384,109	1.2	17,655,061	Treatment system operated full time since last reading.
1/18/23 11:50	2.3	35,062,873	1.1	17,395,862	1.2	17,667,011	Treatment system operated full time since last reading.
1/25/23 10:05	2.3	35,085,883	1.1	17,407,161	1.2	17,678,722	Treatment system operated full time since last reading.
2/2/23 8:40	2.3	35,112,484	1.1	17,420,281	1.2	17,692,203	Treatment system operated full time since last reading.
2/6/23 7:20	2.3	35,125,729	1.1	17,426,787	1.2	17,698,942	Treatment system operated full time since last reading.
2/7/23 8:20	2.3	35,129,223	1.1	17,428,502	1.2	17,700,721	Treatment system operated full time since last reading.
2/16/23 9:30	2.3	35,159,639	1.1	17,443,384	1.2	17,716,255	Treatment system operated full time since last reading.
2/23/23 9:30	2.3	35,183,037	1.1	17,454,822	1.2	17,728,215	Treatment system operated full time since last reading.
3/2/23 8:55	2.3	35,206,440	1.1	17,466,246	1.2	17,740,194	Treatment system operated full time since last reading.
3/10/23 8:08	2.3	35,233,215	1.1	17,479,312	1.2	17,753,903	Treatment system operated full time since last reading.
3/16/23 8:15	2.3	35,253,213	1.1	17,489,059	1.2	17,764,154	Treatment system operated full time since last reading.
3/21/23 8:15	2.3	35,266,655	1.1	17,495,597	1.2	17,771,058	Treatment system operated full time since last reading.
3/27/23 8:15	2.3	35,290,537	1.1	17,507,243	1.2	17,783,294	Treatment system operated full time since last reading.

Notes:
Latest carbon changeout took place on September 8, 2022.
gpm - Gallons per minute.
gal - Gallons.
Flowrates and totalizers are approximate.
Totals are since system startup.

TABLE 2-b -EXTRACTION WELL PUMPING RATE INFORMATION - CENTRAL AREA
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL LLC FACILITY
LOCK HAVEN, PENNSYLVANIA

First Quarter 2023 [1]	**ARW-01**	**ARW-02**
	Total Water Pumped (in gallons)	
First Data Collection Visit: 12/27/22 8:05 AM*	17,359,207	17,629,869
Last Data Collection Visit: 3/27/23 11:05 AM	17,507,243	17,783,294
Total Gallons Pumped:	148,036	153,425
Reporting Period Duration:	90 days 3 hours	
Reporting Period Downtime: [2]	NA	NA
Routine Maintenance Downtime:	NA	NA
Scheduled Shutdown Downtime:	NA	NA
Infiltration Gallery Upset Downtime:	NA	NA
Unplanned Downtime:	NA	NA
Reporting Period Operating Time:	90 days 3 hours	90 days 3 hours
Reporting Period Percent Operating Time:	100.00%	100.00%
Average Quarterly Pumping Rate (gpm):	1.14	1.18
All Extraction Wells Average Quarterly Pumping Rate (gpm):	2.32	

Notes: [1] *Flow and operation data are from Table 2-a.*

[2] *Details regarding well downtime can be found in Table 2-a and "Results of Activities Completed" in the report text.*

** For flow calculation purposes, the flow for each well at the end of the previous quarter was used, though the first quarterly visit was on 1/5/23.*

NA = Non Applicable

TABLE 3 - NORTHERN AREA SYSTEM
VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

CONSTITUENT	UNITS	AN-EFFLUENT ALNGAC38012523 1/25/2023	AN-EFFLUENT ALNGAC38022323 2/23/2023	AN-EFFLUENT ALNGAC38030223 3/2/2023	AN-INFLUENT ALNINF012523 1/25/2023
1,1,1-Trichloroethane	ug/l	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	ug/l	<3	<3	<3	<3
1,1,2-Trichloroethane	ug/l	<2.4	<2.4	<2.4	<2.4
1,1-Dichloroethane	ug/l	<1.8	<1.8	<1.8	<1.8
1,1-Dichloroethylene	ug/l	<2.9	<2.9	<2.9	<2.9
1,2-Dichloroethane	ug/l	<1.5	<1.5	<1.5	18
1,2-Dichloroethene	ug/l	<4	<4	<4	<4
1,2-Dichloropropane	ug/l	<2.5	<2.5	<2.5	<2.5
2-Butanone	ug/l	<2.9	<2.9	<2.9	<2.9
2-Hexanone	ug/l	<4.2	<4.2	<4.2	<4.2
4-Methyl-2-pentanone	ug/l	<1.9	<1.9	<1.9	<1.9
Acetone	ug/l	<5.5	<5.5	<5.5	<5.5
Benzene	ug/l	<2	<2	<2	28
Bromodichloromethane	ug/l	<2.4	<2.4	<2.4	<2.4
Bromoform	ug/l	<2.6	<2.6	<2.6	<2.6
Bromomethane	ug/l	<4.5	<4.5	<4.5	<4.5
Carbon disulfide	ug/l	<3	<3	<3	<3
Carbon Tetrachloride	ug/l	<3.3	<3.3	<3.3	<3.3
Chlorobenzene	ug/l	<1.6	<1.6	<1.6	2100
Chloroethane	ug/l	<2.6	<2.6	<2.6	<2.6
Chloroform	ug/l	<2.1	<2.1	<2.1	<2.1
Chloromethane	ug/l	<3.9	<3.9	<3.9	<3.9
cis-1,3-Dichloropropene	ug/l	<1.6	<1.6	<1.6	<1.6
Dibromochloromethane	ug/l	<2.4	<2.4	<2.4	<2.4
Ethylbenzene	ug/l	<2.2	<2.2	<2.2	<2.2
Methylene chloride	ug/l	<3.9	<3.9	<3.9	<3.9
Styrene	ug/l	<1.3	<1.3	<1.3	<1.3
Tetrachloroethylene	ug/l	<2	<2	<2	<2
Toluene	ug/l	<1.7	<1.7	<1.7	<1.7
Trans-1,3-Dichloropropene	ug/l	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	ug/l	<1.5	<1.5	<1.5	<1.5
Vinyl chloride	ug/l	<3.7	<3.7	<3.7	<3.7
Xylene (total)	ug/l	<4.3	<4.3	<4.3	<4.3

Notes:

ug/l = Microgram per liter

< = Constituent not detected at reported concentration

J = Estimated result. Result is less than reporting limit.

B = Blank contamination.

TABLE 4 - NORTHERN AREA SYSTEM
SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

CONSTITUENT	UNITS	AN-EFFLUENT ALNGAC38012523 1/25/2023	AN-INFLUENT ALNINF012523 1/25/2023
1,2,4-Trichlorobenzene	ug/l	<1.1	<4.4
1,2-Dichlorobenzene	ug/l	<0.82	2700
1,3-Dichlorobenzene	ug/l	<0.85	14 J
1,4-Dichlorobenzene	ug/l	<0.53	110
2,2'-oxybis(1-chloropropane)	ug/l	<0.5	<1.9
2,4,5-Trichlorophenol	ug/l	<2.2	<8.4
2,4,6-Trichlorophenol	ug/l	<1.9	<7.5
2,4-Dichlorophenol	ug/l	<0.44	<1.7
2,4-Dimethylphenol	ug/l	<1.4	<5.6
2,4-Dinitrophenol	ug/l	<13	<51
2,4-Dinitrotoluene	ug/l	<3	<12
2,6-Dinitrotoluene	ug/l	<1.5	<5.8
2-Chloronaphthalene	ug/l	<0.51	<2
2-Chlorophenol	ug/l	<1.1	11 J
2-Methylnaphthalene	ug/l	<0.53	<2.1
2-Methylphenol	ug/l	<2.6	<10
2-Nitroaniline	ug/l	<4.7	<18
2-Nitrophenol	ug/l	<1.7	<6.4
3,3-Dichlorobenzidine	ug/l	<5	<19
3-Nitroaniline	ug/l	<3.8	<15
4,6-Dinitro-2-methylphenol	ug/l	<13	<49
4-Bromophenylphenyl ether	ug/l	<2.8	<11
4-Chloro-3-cresol	ug/l	<2.4	<9.3
4-Chloroaniline	ug/l	<3.2	32 J
4-Chlorophenyl phenyl ether	ug/l	<1.9	<7.4
4-Methylphenol	ug/l	<3.2	<12
4-Nitroaniline	ug/l	<3.1	<12
4-Nitrophenol	ug/l	<8.1	<31
Acenaphthene	ug/l	<0.56	<2.2
Acenaphthylene	ug/l	<0.56	<2.2
Anthracene	ug/l	<0.42	<1.6
Benzo(a)anthracene	ug/l	<0.65	<2.5
Benzo(a)pyrene	ug/l	<0.46	<1.8
Benzo(b)fluoranthene	ug/l	<0.84	<3.2
Benzo(ghi)perylene	ug/l	<0.59	<2.3
Benzo(k)fluoranthene	ug/l	<0.76	<2.9
Bis(2-chloroethoxy)methane	ug/l	<1.3	<5.1
Bis(2-chloroethyl)ether	ug/l	<0.34	<1.3
Bis(2-ethylhexyl)phthalate	ug/l	<54	<210
Butyl benzyl phthalate	ug/l	<4	<15
Carbazole	ug/l	<0.44	<1.7
Chrysene	ug/l	<0.7	<2.7
Dibenzo(a,h)anthracene	ug/l	<0.62	<2.4
Dibenzofuran	ug/l	<1.6	<6.3
Diethyl phthalate	ug/l	<4.9	<19
Dimethyl phthalate	ug/l	<1.7	<6.7
Di-n-butyl phthalate	ug/l	13	<25
Di-n-octyl phthalate	ug/l	<5.9	<23
Fluoranthene	ug/l	<0.52	<2
Fluorene	ug/l	<0.59	<2.3
Hexachlorobenzene	ug/l	<0.48	<1.9
Hexachlorobutadiene	ug/l	<0.59	<2.3
Hexachlorocyclopentadiene	ug/l	<4.3	<17
Hexachloroethane	ug/l	<1.1	<4.4
Indeno(1,2,3-cd)pyrene	ug/l	<0.73	<2.8
Isophorone	ug/l	<1.6	<6.3
Naphthalene	ug/l	<0.51	<2
Nitrobenzene	ug/l	<4.3	<17
N-Nitrosodiphenylamine	ug/l	<1	<4
N-Nitrosodipropylamine	ug/l	<0.61	<2.4
Pentachlorophenol	ug/l	<7.3	<28
Phenanthrene	ug/l	<0.47	<1.8
Phenol	ug/l	<4.2	<16
Pyrene	ug/l	<0.47	<1.8

Notes:

ug/l = Microgram per liter
< = Constituent not detected at reported concentration
J = Estimated result. Result is less than reporting limit.

TABLE 5 - CENTRAL AREA SYSTEM
VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

CONSTITUENT	UNITS	AC-INFLUENT ALCINF012523 1/25/2023	AC-EFFLUENT ALCGAC36012523 1/25/2023	AC-EFFLUENT ALCGAC36022323 2/23/2023	AC-EFFLUENT ALCGAC36030223 3/2/2023
1,1,1-Trichloroethane	ug/l	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	ug/l	<3	<3	<3	<3
1,1,2-Trichloroethane	ug/l	<2.4	<2.4	<2.4	<2.4
1,1-Dichloroethane	ug/l	<1.8	1.9 J	1.8 J	<1.8
1,1-Dichloroethylene	ug/l	<2.9	<2.9	<2.9	<2.9
1,2-Dichloroethane	ug/l	2.7 J	110 J	99 J	68 E
1,2-Dichloroethene	ug/l	<4	<4	<4	<4
1,2-Dichloropropane	ug/l	<2.5	<2.5	<2.5	<2.5
2-Butanone	ug/l	<2.9	<2.9	<2.9	<2.9
2-Hexanone	ug/l	<4.2	<4.2	<4.2	<4.2
4-Methyl-2-pentanone	ug/l	<1.9	<1.9	<1.9	<1.9
Acetone	ug/l	<5.5	<5.5	<5.5	<5.5
Benzene	ug/l	41	86 E	230 J	240 J
Bromodichloromethane	ug/l	<2.4	<2.4	<2.4	<2.4
Bromoform	ug/l	<2.6	<2.6	<2.6	<2.6
Bromomethane	ug/l	<4.5	<4.5	<4.5	<4.5
Carbon disulfide	ug/l	<3	<3	<3	<3
Carbon Tetrachloride	ug/l	<3.3	<3.3	<3.3	<3.3
Chlorobenzene	ug/l	8600	570	970	1000
Chloroethane	ug/l	<2.6	<2.6	<2.6	<2.6
Chloroform	ug/l	<2.1	<2.1	<2.1	<2.1
Chloromethane	ug/l	<3.9	<3.9	<3.9	<3.9
cis-1,3-Dichloropropene	ug/l	<1.6	<1.6	<1.6	<1.6
Dibromochloromethane	ug/l	<2.4	<2.4	<2.4	<2.4
Ethylbenzene	ug/l	<2.2	<2.2	<2.2	<2.2
Methylene chloride	ug/l	<3.9	<3.9	<3.9	<3.9
Styrene	ug/l	<1.3	<1.3	<1.3	<1.3
Tetrachloroethylene	ug/l	<2	<2	<2	<2
Toluene	ug/l	960	<1.7	<1.7	<1.7
Trans-1,3-Dichloropropene	ug/l	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	ug/l	<1.5	<1.5	<1.5	<1.5
Vinyl chloride	ug/l	<3.7	<3.7	<3.7	<3.7
Xylene (total)	ug/l	<4.3	<4.3	<4.3	<4.3

Notes:

ug/l = Microgram per liter

< = Constituent not detected at reported concentration.

J = Estimated result. Result is less than reporting limit.

E = Estimated result over calibration.

TABLE 6 - CENTRAL AREA SYSTEM
SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

CONSTITUENT	UNITS	AC-INFLUENT ALCINF012523 1/25/2023	AC-EFFLUENT ALCGAC36012523 1/25/2023
1,2,4-Trichlorobenzene	ug/l	<28	<1.4
1,2-Dichlorobenzene	ug/l	1300	240
1,3-Dichlorobenzene	ug/l	<21	<1
1,4-Dichlorobenzene	ug/l	96 J	7.1 J
2,2'-oxybis(1-chloropropane)	ug/l	<13	<0.6
2,4,5-Trichlorophenol	ug/l	<54	<2.6
2,4,6-Trichlorophenol	ug/l	<48	<2.3
2,4-Dichlorophenol	ug/l	<11	<0.53
2,4-Dimethylphenol	ug/l	<36	<1.7
2,4-Dinitrophenol	ug/l	<330	<16
2,4-Dinitrotoluene	ug/l	<76	<3.7
2,6-Dinitrotoluene	ug/l	<37	<1.8
2-Chloronaphthalene	ug/l	<13	<0.61
2-Chlorophenol	ug/l	<28	<1.3
2-Methylnaphthalene	ug/l	<13	<0.65
2-Methylphenol	ug/l	<65	<3.1
2-Nitroaniline	ug/l	<120	<5.7
2-Nitrophenol	ug/l	<42	<2
3,3-Dichlorobenzidine	ug/l	<130	<6.1
3-Nitroaniline	ug/l	<94	<4.6
4,6-Dinitro-2-methylphenol	ug/l	<320	<15
4-Bromophenylphenyl ether	ug/l	<69	<3.3
4-Chloro-3-methylphenol	ug/l	<60	<2.9
4-Chloroaniline	ug/l	6200	250
4-Chlorophenyl phenyl ether	ug/l	<48	<2.3
4-Methylphenol	ug/l	<80	<3.9
4-Nitroaniline	ug/l	<78	<3.8
4-Nitrophenol	ug/l	<200	<9.8
Acenaphthene	ug/l	<14	<0.68
Acenaphthylene	ug/l	<14	<0.68
Anthracene	ug/l	<11	<0.51
Benzo(a)anthracene	ug/l	<16	<0.78
Benzo(a)pyrene	ug/l	<11	<0.55
Benzo(b)fluoranthene	ug/l	<21	<1
Benzo(ghi)perylene	ug/l	<15	<0.72
Benzo(k)fluoranthene	ug/l	<19	<0.92
Bis(2-chloroethoxy)methane	ug/l	<33	<1.6
Bis(2-chloroethyl)ether	ug/l	<8.6	<0.42
Bis(2-ethylhexyl)phthalate	ug/l	<1300	<65
Butyl benzyl phthalate	ug/l	<100	<4.8
Carbazole	ug/l	<11	<0.53
Chrysene	ug/l	<17	<0.84
Dibenzo(a,h)anthracene	ug/l	<16	<0.75
Dibenzofuran	ug/l	<41	<2
Diethyl phthalate	ug/l	<120	<5.9
Dimethyl phthalate	ug/l	<43	<2.1
Di-n-butyl phthalate	ug/l	<160	19
Di-n-octyl phthalate	ug/l	<150	<7.1
Fluoranthene	ug/l	<13	<0.63
Fluorene	ug/l	<15	<0.72
Hexachlorobenzene	ug/l	<12	<0.58
Hexachlorobutadiene	ug/l	<15	<0.72
Hexachlorocyclopentadiene	ug/l	<110	<5.2
Hexachloroethane	ug/l	<29	<1.4
Indeno(1,2,3-cd)pyrene	ug/l	<18	<0.89
Isophorone	ug/l	<41	<2
Naphthalene	ug/l	<13	<0.61
Nitrobenzene	ug/l	68000	<5.2
N-Nitrosodiphenylamine	ug/l	<26	<1.2
N-Nitrosodipropylamine	ug/l	<15	<0.74
Pentachlorophenol	ug/l	<180	<8.8
Phenanthrene	ug/l	<12	<0.57
Phenol	ug/l	<100	<5.1
Pyrene	ug/l	<12	<0.56

Notes:

ug/l = Microgram per liter

< = Constituent not detected at reported concentration

J = Estimated result. Result is less than reporting limit.

TABLE 7 - INFLUENT AND EFFLUENT GENERAL CHEMISTRY PARAMETERS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

Influent							Effluent						
Date	pH (S.U.)	Conductivity (S/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temperature (Celsius)	ORP (mv)	Date	pH (S.U.)	Conductivity (S/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temperature (Celsius)	ORP (mv)
Northern Area System													
1/25/23	6.42	0.666	1.27	0.50	4.38	-143.4	1/25/23	6.19	0.718	0.00	0.97	4.55	-51.1
2/23/23	6.03	0.779	0.43	0.67	4.34	-21.6	2/23/23	6.05	0.782	0.00	0.80	4.64	-51.4
3/2/23	6.13	0.739	0.37	1.09	4.49	-108.4	3/2/23	6.14	0.822	0.00	1.03	4.64	-23.2
Central Area System													
1/25/23	5.86	0.479	1.63	1.18	2.12	-75.7	1/25/23	6.12	0.498	0.00	0.61	2.92	-179.7
2/23/23	5.81	0.539	0.67	1.28	2.93	-43.2	2/23/23	5.73	0.555	0.00	0.96	3.60	-132.0
3/2/23	5.65	0.522	1.04	0.96	2.55	-71.2	3/2/23	5.76	0.549	0.00	0.69	3.57	-137.8

Notes:
Latest carbon changeout took place on September 8, 2022.
S.U. - Standard Units
ORP - Oxidation Reduction Potential
NTU - Nephelometric Turbidity Units
mg/l - Milligrams per liter
S/cm - Siemens per centimeter
mv - Millivolts
NM- Not measured

Table 8
Recovery Wells
Volatile Organic Compounds Analytical Results
2023 First Quarterly Progress Report
American Color Chemical, L.L.C. Facility
Lock Haven, Pennsylvania

CONSTITUENT	UNITS	APW-01 ALAPW01020723 2/7/2023 Primary	APW-02 ALAPW02020723 2/7/2023 Primary	APW-02 ALDUP020723 2/7/2023 Duplicate	APW-02 ALREP020723 2/7/2023 Replicate	APW-03 ALAPW03020723 2/7/2023 Primary	APW-04 ALAPW04020723 2/7/2023 Primary	APW-05 ALAPW05020723 2/7/2023 Primary	ARW-01 ALARW01020723 2/7/2023 Primary	ARW-02 ALARW02020723 2/7/2023 Primary
1,1,1-Trichloroethane	ug/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<50	<50
1,1,2,2-Tetrachloroethane	ug/l	<3	<3	<3	<3	<3	<3	<3	<60	<60
1,1,2-Trichloroethane	ug/l	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<48	<48
1,1-Dichloroethane	ug/l	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<36	<36
1,1-Dichloroethylene	ug/l	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<57	<57
1,2-Dichloroethane	ug/l	<1.5	<1.5	<1.5	<1.5	<1.5	57 E	16	<29	<29
1,2-Dichloroethene	ug/l	<4	<4	<4	<4	<4	<4	<4	<80	<80
1,2-Dichloropropane	ug/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<49	<49
2-Butanone	ug/l	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<2.9	<58	<58
2-Hexanone	ug/l	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<84	<84
4-Methyl-2-pentanone	ug/l	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<37	<37
Acetone	ug/l	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<110
Benzene	ug/l	25	3.1 J	2.9 J	5	11	40	27	100	50 J
Bromodichloromethane	ug/l	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<47	<47
Bromoform	ug/l	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<52	<52
Bromomethane	ug/l	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<90	<90
Carbon disulfide	ug/l	<3	<3	<3	<3	<3	<3	<3	<60	<60
Carbon Tetrachloride	ug/l	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<66	<66
Chlorobenzene	ug/l	1700	460	330	230	980	3400	<1.6	9500	11000
Chloroethane	ug/l	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<52	<52
Chloroform	ug/l	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<42	<42
Chloromethane	ug/l	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<77	<77
cis-1,3-Dichloropropene	ug/l	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<32	<32
Dibromochloromethane	ug/l	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<48	<48
Ethylbenzene	ug/l	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<43	<43
Methylene chloride	ug/l	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<77	<77
Styrene	ug/l	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<27	<27
Tetrachloroethylene	ug/l	<2	<2	<2	<2	<2	<2	<2	<40	<40
Toluene	ug/l	2.3 J	<1.7	<1.7	<1.7	2 J	<1.7	<1.7	620	1500 E
Trans-1,3-Dichloropropene	ug/l	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<35	<35
Trichloroethylene	ug/l	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<30	<30
Vinyl chloride	ug/l	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<73	<73
Xylene (total)	ug/l	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<86	<86

Notes:
< = constituent not detected at reported concentration
J = Estimated result. Result is less than reporting limit.
B = blank contamination
E = Detected concentration exceeds calibration range

TABLE 9
RECOVERY WELLS
SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
2023 FIRST QUARTERLY PROGRESS REPORT
AMERICAN COLOR CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

CONSTITUENT	UNITS	APW-01 ALAPW01020723 2/7/2023 Primary	APW-02 ALAPW02020723 2/7/2023 Primary	APW-02 ALDUP020723 2/7/2023 Duplicate	APW-02 ALREP020723 2/7/2023 Replicate	APW-03 ALAPW03020723 2/7/2023 Primary	APW-04 ALAPW04020723 2/7/2023 Primary	APW-05 ALAPW05020723 2/7/2023 Primary	ARW-01 ALARW01020723 2/7/2023 Primary	ARW-02 ALARW02020723 2/7/2023 Primary
1,2,4-Trichlorobenzene	ug/l	<6.6	<1.4	<6.8	<6.6	<6.3	<4.1	<1.4	<39	<2.6
1,2-Dichlorobenzene	ug/l	5100	4800	5200	3800	8600	3100	810	1000	750
1,3-Dichlorobenzene	ug/l	30 J	20	20 J	20 J	40 J	18 J	3.5 J	<30	9.3 J
1,4-Dichlorobenzene	ug/l	230	150	150	140	340	130	26	42 J	81
2,2'-oxybis(1-chloropropane)	ug/l	<2.9	<0.6	<3	<2.9	<2.8	<1.8	<0.63	<17	<1.2
2,4,5-Trichlorophenol	ug/l	<13	<2.6	<13	<13	<12	<7.9	<2.7	<76	<5
2,4,6-Trichlorophenol	ug/l	<11	<2.3	<12	<11	<11	<7	<2.4	<67	<4.5
2,4-Dichlorophenol	ug/l	<2.6	1.7 J	<2.7	<2.6	<2.5	<1.6	<0.55	<15	<1
2,4-Dimethylphenol	ug/l	<8.4	<1.7	<8.7	<8.4	<8	<5.2	<1.8	<50	<3.3
2,4-Dinitrophenol	ug/l	<77	<16	<80	<77	<74	<48	<17	<460	<31
2,4-Dinitrotoluene	ug/l	<18	<3.7	<18	<18	<17	<11	<3.8	<110	<7.1
2,6-Dinitrotoluene	ug/l	<8.7	<1.8	<9	<8.7	<8.3	<5.4	<1.9	<52	<3.5
2-Chloronaphthalene	ug/l	<3	<0.61	<3.1	<3	<2.8	<1.8	<0.64	<18	<1.2
2-Chlorophenol	ug/l	14 J	11	11 J	8.7 J	17 J	23 J	1.9 J	<39	<2.6
2-Methylnaphthalene	ug/l	<3.1	<0.65	<3.2	<3.1	<3	<1.9	<0.67	<19	<1.2
2-Methylphenol	ug/l	<15	<3.1	<16	<15	<14	<9.4	<3.3	<90	<6
2-Nitroaniline	ug/l	<27	<5.7	<29	<27	<26	<17	<6	<160	<11
2-Nitrophenol	ug/l	<9.7	<2	<10	<9.7	<9.3	<6	<2.1	<58	<3.9
3,3-Dichlorobenzidine	ug/l	<29	<6.1	<30	<29	<28	<18	<6.3	<170	<12
3-Nitroaniline	ug/l	<22	<4.6	<23	<22	<21	<14	<4.8	<130	13 J
4,6-Dinitro-2-methylphenol	ug/l	<74	<15	<77	<74	<71	<46	<16	<440	<29
4-Bromophenylphenyl ether	ug/l	<16	<3.3	<17	<16	<15	<10	<3.5	<96	<6.4
4-Chloro-3-methylphenol	ug/l	<14	<2.9	<14	<14	<13	29 J	<3	<83	<5.6
4-Chloroaniline	ug/l	520	<3.9	<20	<19	200	150	<4.1	12000	500
4-Chlorophenyl phenyl ether	ug/l	<11	<2.3	<12	<11	<11	<6.9	<2.4	<66	<4.4
4-Methylphenol	ug/l	<19	<3.9	<19	<19	<18	<12	<4	<110	<7.4
4-Nitroaniline	ug/l	<18	<3.8	<19	<18	<17	<11	<3.9	<110	<7.3
4-Nitrophenol	ug/l	<47	<9.8	<49	<47	<45	<29	<10	<280	<19
Acenaphthene	ug/l	<3.3	<0.68	<3.4	<3.3	<3.1	<2	<0.71	<20	<1.3
Acenaphthylene	ug/l	<3.3	<0.68	<3.4	<3.3	<3.1	<2	<0.71	<20	<1.3
Anthracene	ug/l	<2.5	<0.51	<2.6	<2.5	<2.4	<1.5	<0.53	<15	<0.98
Benzo(a)anthracene	ug/l	<3.8	<0.78	<3.9	<3.8	<3.6	<2.3	<0.82	<23	<1.5
Benzo(a)pyrene	ug/l	<2.7	<0.55	<2.8	<2.7	<2.5	<1.7	<0.58	<16	<1.1
Benzo(b)fluoranthene	ug/l	<4.9	<1	<5.1	<4.9	<4.7	<3	<1.1	<29	<1.9
Benzo(ghi)perylene	ug/l	<3.5	<0.72	<3.6	<3.5	<3.3	<2.2	<0.75	<21	<1.4
Benzo(k)fluoranthene	ug/l	<4.4	<0.92	<4.6	<4.4	<4.2	<2.8	<0.96	<26	<1.8
Bis(2-chloroethoxy)methane	ug/l	<7.6	<1.6	<7.9	<7.6	<7.3	<4.8	<1.7	<46	<3
Bis(2-chloroethyl)ether	ug/l	<2	<0.42	<2.1	<2	<1.9	<1.3	<0.43	<12	<0.8
Bis(2-ethylhexyl)phthalate	ug/l	<310	<65	<320	<310	<300	<190	<68	<1900	<120
Butyl benzyl phthalate	ug/l	<23	<4.8	<24	<23	<22	<14	<5	<140	<9.2
Carbazole	ug/l	<2.6	<0.53	<2.7	<2.6	<2.5	<1.6	<0.55	<15	<1
Chrysene	ug/l	<4.1	<0.84	<4.2	<4.1	<3.9	<2.5	<0.88	<24	<1.6
Dibenzo(a,h)anthracene	ug/l	<3.6	<0.75	<3.8	<3.6	<3.5	<2.3	<0.78	<22	<1.4
Dibenzofuran	ug/l	<9.5	<2	<9.9	<9.5	<9.1	<5.9	<2.1	<57	<3.8
Diethyl phthalate	ug/l	<28	<5.9	<30	<28	<27	<18	<6.2	<170	<11
Dimethyl phthalate	ug/l	<10	<2.1	<10	<10	<9.6	<6.3	<2.2	<60	<4
Di-n-butyl phthalate	ug/l	<37	16	<39	<37	<36	<23	26	<220	20
Di-n-octyl phthalate	ug/l	<34	<7.1	<36	<34	<33	<21	<7.4	<210	<14
Fluoranthene	ug/l	<3	<0.63	<3.1	<3	<2.9	<1.9	<0.65	<18	<1.2
Fluorene	ug/l	<3.5	<0.72	<3.6	<3.5	<3.3	<2.2	<0.75	<21	<1.4
Hexachlorobenzene	ug/l	<2.8	<0.58	<2.9	<2.8	<2.7	<1.8	<0.61	<17	<1.1
Hexachlorobutadiene	ug/l	<3.5	<0.72	<3.6	<3.5	<3.3	<2.2	<0.75	<21	<1.4
Hexachlorocyclopentadiene	ug/l	<25	<5.2	<26	<25	<24	<16	<5.4	<150	<9.9
Hexachloroethane	ug/l	<6.7	<1.4	<6.9	<6.7	<6.4	<4.2	<1.4	<40	<2.7
Indeno(1,2,3-cd)pyrene	ug/l	<4.3	<0.89	<4.4	<4.3	<4.1	<2.7	<0.92	<26	<1.7
Isophorone	ug/l	<9.4	<2	<9.8	<9.4	<9	<5.9	<2	<56	<3.8
Naphthalene	ug/l	<3	<0.61	<3.1	<3	<2.8	<1.8	<0.64	<18	<1.2
Nitrobenzene	ug/l	<25	<5.2	<26	<25	<24	<16	<5.4	140000	6100
N-Nitrosodiphenylamine	ug/l	<6	<1.2	<6.2	<6	<5.7	<3.7	<1.3	<36	<2.4
N-Nitrosodipropylamine	ug/l	<3.6	<0.74	<3.7	<3.6	<3.4	<2.2	<0.77	<21	<1.4
Pentachlorophenol	ug/l	<42	<8.8	<44	<42	<41	<26	<9.2	<250	<17
Phenanthrene	ug/l	<2.8	<0.57	<2.9	<2.8	<2.6	<1.7	<0.6	<17	<1.1
Phenol	ug/l	<24	<5.1	<25	<24	<23	<15	<5.3	<150	<9.7
Pyrene	ug/l	<2.7	<0.56	<2.8	<2.7	<2.6	<1.7	<0.59	<16	<1.1

Notes:
ug/l = microgram per liter
< = constituent not detected at reported concentration
J = Estimated result. Result is less than reporting limit.
B = blank contamination

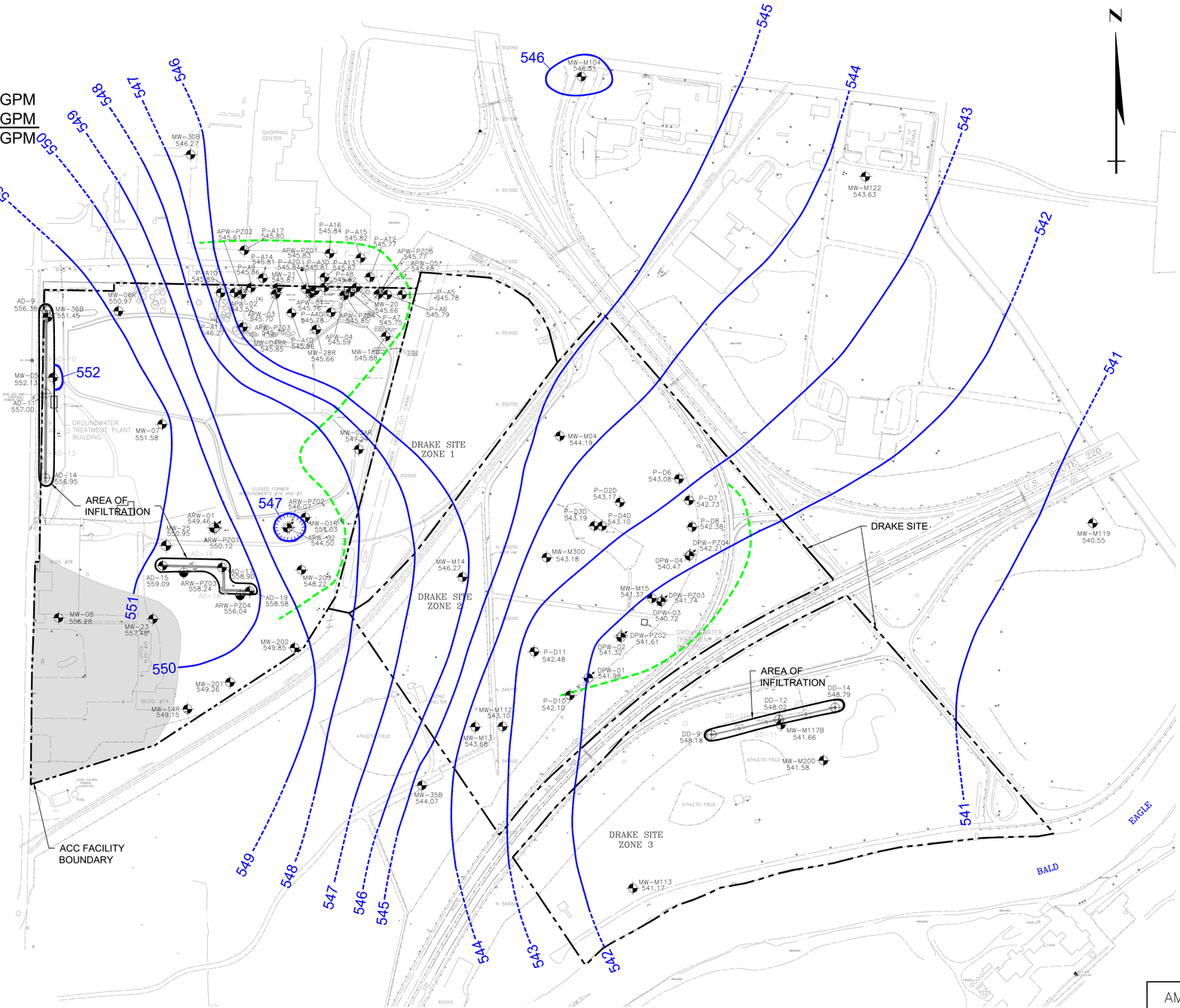
FIGURES

FEBRUARY 06, 2023

ACC Facility Groundwater
Instantaneous Pumping Rates:

Northern Area			Central Area		
APW-01	=	1.13 GPM	ARW-01	=	1.15 GPM
APW-02	=	1.15 GPM	ARW-02	=	1.21 GPM
APW-03	=	1.18 GPM	TOTAL	=	2.36 GPM
APW-04	=	2.10 GPM			
APW-05	=	2.33 GPM			
TOTAL	=	7.89 GPM			

Monitoring Well/Piezometer	Measuring Point Elevation (ft-msl)	Depth to Water (ft-toc)	Well Depth (ft-toc)	Groundwater Elevation (ft-msl)
MW-01R	563.14	12.11	28.40	551.03
MW-02AR	564.17	16.93	29.18	547.24
MW-04RR	556.01	10.16	20.20	545.85
MW-05	559.63	7.50	24.90	552.13
MW-06R	558.16	7.19	21.20	550.97
MW-07	563.19	11.61	30.85	551.58
MW-08	570.96	14.68	19.69	556.28
MW-14R	569.02	19.87	26.15	549.15
MW-18B	558.97	13.09	41.42	545.88
MW-20	559.76	14.10	40.07	545.66
MW-21	556.86	10.99	31.44	545.87
MW-23	565.83	8.35	21.65	557.48
MW-25	568.38	17.43	32.50	550.95
MW-28R	556.24	10.58	30.20	545.66
MW-30B	558.61	12.34	37.08	546.27
MW-36B	558.60	7.15	28.97	551.45
APW-01	559.79	14.03	41.50	545.76
APW-PZ01	559.01	13.18	39.95	545.83
APW-02	554.17	10.65	31.78	543.52
APW-PZ02	557.58	11.97	33.45	545.61
APW-03	553.98	8.28	32.86	545.70
APW-PZ03	557.42	11.72	34.90	545.70
APW-04	556.34	10.75	32.28	545.59
APW-PZ04	559.65	13.80	34.65	545.85
APW-05	556.96	11.28	42.00	545.68
APW-PZ05	560.87	15.10	44.61	545.77
ARW-01	561.42	11.96	32.50	549.46
ARW-PZ01	568.34	18.22	41.20	550.12
ARW-02	560.84	16.34	33.16	544.50
ARW-PZ02	565.16	19.09	37.50	546.07
P-A1D	555.69	9.83	36.65	545.86
P-A2D	557.72	11.88	40.35	545.84
P-A3D	557.41	11.60	39.78	545.81
P-A4D	557.26	11.48	40.24	545.78
P-A5	558.24	12.46	41.28	545.78
P-A6	558.76	12.97	40.33	545.79
P-A7	559.10	13.35	42.20	545.75
P-A8	557.47	11.65	40.35	545.82
P-A9	556.21	10.35	34.57	545.86
P-A10	556.96	11.07	32.16	545.89
P-A11	556.05	9.78	31.85	546.27
P-A12	556.20	10.43	40.25	545.77
P-A13	556.55	10.68	39.20	545.87
P-A14	555.01	9.20	32.37	545.81
P-A15	558.12	12.30	42.95	545.82
P-A16	559.66	13.82	43.60	545.84
P-A17	565.10	19.30	44.10	545.80
MW-201	571.39	22.13	39.90	549.26
MW-202	567.56	17.71	37.30	549.85
MW-203	566.36	18.14	42.17	548.22
ARWPZ-03	567.80	9.56	37.10	558.24
ARWPZ-04	565.38	9.34	34.30	556.04
AD-9 (W)	556.36	0.00	28.88	556.36
AD-11 (W)	557.00	0.00	28.94	557.00
AD-14 (W)	558.38	1.43	23.55	556.95
AD-15 (S)	565.34	6.25	25.60	559.09
AD-17 (S)	564.30	5.40	29.20	558.90
AD-19 (S)	562.88	4.30	26.10	558.58
DPW-01	550.80	8.82	29.35	541.98
DPW-02	553.05	11.73	38.80	541.32
DPW-PZ02	556.65	15.04	43.49	541.61
DPW-03	552.56	11.84	37.34	540.72
DPW-PZ03	556.16	14.42	41.34	541.74
DPW-04	550.79	10.32	43.46	540.47
DPW-PZ04	554.29	12.08	46.32	542.21
MW-35B	551.88	7.81	33.58	544.07
MW-M200	549.57	7.99	38.73	541.58
MW-M04	556.50	12.31	29.04	544.19
MW-M13	552.65	8.97	26.00	543.68
MW-M14	553.52	7.25	25.70	546.27
MW-M104	556.08	9.77	39.74	546.31
MW-M112	554.80	11.70	37.83	543.10
MW-M113	554.27	13.10	48.50	541.17
MW-M117B	553.22	11.56	41.62	541.66
MW-M119	555.45	14.90	22.72	540.55
MW-M122	558.53	14.90	46.49	543.63
MW-M300	557.07	13.89	29.58	543.18
P-D2D	555.89	12.72	38.50	543.17
P-D3D	554.97	11.78	39.74	543.19
P-D4D	555.58	12.48	40.40	543.10
P-D6	553.54	10.46	36.20	543.08
P-D7	553.16	10.43	37.24	542.73
P-D8	552.62	10.24	40.81	542.38
P-D10	550.92	8.82	28.23	542.10
P-D11	550.99	8.51	34.76	542.48
DD-9	550.57	2.39	39.65	548.18
DD-12	552.48	4.46	37.81	548.02
DD-14	551.95	3.16	44.23	548.79



NOTES:

1. THE INFERRED GROUNDWATER CAPTURE ZONE PRESENTED ON THIS FIGURE IS BASED ON AN INTERPRETATION OF THE GROUNDWATER CONTOURS MEASURED AT THE SITE AND FACILITY.
2. THE PUMPING WELL MEASUREMENTS WERE NOT UTILIZED IN GENERATING THE GROUNDWATER CONTOURS. PIEZOMETERS INSTALLED ADJACENT TO THE PUMPING WELLS WERE INCORPORATED, AS IDENTIFIED *IN USEPA, JANUARY 2008, A SYSTEMATIC APPROACH FOR EVALUATION OF CAPTURE ZONES AT PUMP AND TREAT SYSTEMS,* TO CONSTRUCT THE GROUNDWATER CONTOURS AND CAPTURE ZONES.
3. POTENTIOMETRIC SURFACE ELEVATION DATA FOR WELLS LOCATED IN THE BEDROCK HIGH AREA (MW-08 AND MW-23) ARE NOT UTILIZED IN GENERATING THE GROUNDWATER CONTOURS.
4. WELLS APW-02 AND MW-01R NOT USED FOR CONTOURING PURPOSES.

Quarterly Average Pumping Rates:

ACC FACILITY NORTH	=	7.67 GPM
ACC FACILITY CENTRAL	=	2.32 GPM
DRAKE SITE	=	17.62 GPM

0 200 400 FEET

FEBRUARY 06, 2023

Drake Groundwater
Instantaneous Pumping Rates:

DPW-01	=	0.00 GPM
DPW-02	=	7.56 GPM
DPW-03	=	9.07 GPM
DPW-04	=	6.72 GPM
TOTAL	=	23.35 GPM

LEGEND

- EXISTING TREELINES
- EXISTING TREE
- RAILROAD TRACKS
- FENCE LINE
- STREAMS, RIVERBANK
- UTILITY POLE
- LIGHT STANDARD
- ACC FACILITY BOUNDARY
- DRAKE SITE BOUNDARY
- EXISTING STRUCTURE
- P-A9 — GROUNDWATER PIEZOMETER/MONITORING WELL LOCATION
- APW-03 — RECOVERY WELL LOCATION
- DPW-PZ02 ARW-PZ03 — PIEZOMETER WELL LOCATION
- EXISTING CATCH BASIN
- EXISTING GUIDE RAIL
- 544 — POTENTIOMETRIC SURFACE ELEVATION CONTOUR (DASHED WHERE INFERRED)
- 542.21 — POTENTIOMETRIC SURFACE ELEVATION (ft-msl)
- LIMITS OF INFERRED GROUNDWATER CAPTURE ZONE
- INFILTRATION GALLERY
- AD-15 559.09 DD-9 548.18 — INFILTRATION GALLERY MEASURING POINTS
- NA — NOT MEASURED
- AREA OF INFILTRATION
- APPROXIMATE AREA OF BEDROCK HIGH (SAND AND GRAVEL UNIT ABSENT)

AMERICAN COLOR & CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

DRWN: SCC	DATE: 02/22/23
CHKD: AMM	DATE: 02/24/23
APPD: JSZ	DATE: 03/24/23
SCALE: AS SHOWN	

KEY ENVIRONMENTAL INCORPORATED

2023 FIRST QUARTER PROGRESS REPORT
GROUNDWATER REMEDIAL ACTION
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY AND
DRAKE CHEMICAL SUPERFUND SITE
LOCK HAVEN, PENNSYLVANIA

GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP – 02/06/23

PROJECT NO: 22-401-02/ 22-402-02

FIGURE 1

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: ADR MAPPING, MAY 1995, PLANIMETRICS AND TOPOGRAPHY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, MAY 1995, SITE SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, OCTOBER 1997, PLAN OF SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, NOVEMBER 2000, AS-BUILT SURVEY.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

y:\acc_2023\2023 quarterly\acc-drake 1st quarter\figure 1.dwg Last Saved By: Scomer 3/28/2023 6:47 PM Plotted By: Shelly Comer 3/28/2023 6:52 PM Scale: 1:1

APW-01 - Screen Elevation (ft-msl) = 539.80-519.90

CONSTITUENT	APW-01 Dec-00	APW-01 Nov-01	APW-01 May-02	APW-01 Oct-06	APW-01 Oct-09	APW-01 Dec-12	APW-01 Jul-21	APW-01 Jan-22	APW-01 Jul-22	APW-01 Feb-23
Benzene	[88]	[55]J	[54]J	[55]J	[72]J	<40	<200	[55]	[31]	[25]
Chlorobenzene	[2600]	[2500]	[2800]	[2500]	[3700]	[1800]	[1500]	[2700]	[2000]	[1700]
Methylene chloride	<8.7	<21	<34	<17	<54	<44	<390	<39	<19	<3.9
Toluene	<8.3	<28	<26	<13	<42	<34	<170	<17	<8.4	2.3J
Trichloroethylene	<7.7	<30	<25	<14	<40	<32	<150	<15	<7.5	<1.5

P-A8 - Screen Elevation (ft-msl) = 522.10-517.10

CONSTITUENT	P-A8 Apr-01	P-A8 Nov-01	P-A8 May-02	P-A8 Oct-06	P-A8 Oct-09	P-A8 Dec-12	P-A8 Aug-19	P-A8 Jul-20	P-A8 Jul-21	P-A8 Jul-22
Benzene	[18]J	<31	<28	<25	<40	<49	[54]H	[88.9]	[8.3]	<20
Chlorobenzene	[980]	[1500]	[1100]	[1300]	[1500]	[1800]	[2700]	[3100]	[580]	[870]
Methylene chloride	<8.3	<21	<41	<27	<44	<54	<190	<3.9	<3.9	<39
Toluene	<11	<28	<32	<21	<34	<42	<84	<1.7	<1.7	<17
Trichloroethylene	<12	<30	<30	<23	<32	<40	<75	2.7 J	1.7 J	<15

APW-03 - Screen Elevation (ft-msl) = 533.99-521.80

CONSTITUENT	APW-03 Dec-00	APW-03 Nov-01	APW-03 May-02	APW-03 Oct-06	APW-03 Oct-09	APW-03 Dec-12	APW-03 Jul-21	APW-03 Jan-22	APW-03 Jul-22	APW-03 Feb-23
Benzene	[270]	[73]J	[93]J	[84]J	[83]J	[31]J	<98	[12]	[1]	[11]
Chlorobenzene	[4900]	[3200]	[3500]	[2900]	[2900]	[1600]	[900]	[1400]	[1100]H	[980]
Methylene chloride	<43	<21	<41	<14	<44	<27	<190	<3.9	<3.9	<3.9
Toluene	<41	<28	<32	<11	<34	<21	<84	<1.7	<1.7	2J
Trichloroethylene	<38	<30	<30	<11	<32	<20	<75	<1.5	<1.5	<1.5

APW-04 - Screen Elevation (ft-msl) = 536.25-524.43

CONSTITUENT	APW-04 Dec-00	APW-04 Nov-01	APW-04 May-02	APW-04 Oct-06	APW-04 Oct-09	APW-04 Dec-12	APW-04 Jul-21	APW-04 Jan-22	APW-04 Jul-22	APW-04 Feb-23
Benzene	[250]	[83]J	[120]J	[110]J	[130]J	[92]J	<200	[84]	[84]	[40]
Chlorobenzene	[10000]	[6300]	[7100]	[4800]	[5800]	[4500]	[2800]	[4200]	[4700]	[3400]
Methylene chloride	<87	<41	<68	<34	<54	<54	<390	<39	<3.9	<3.9
Toluene	<83	<57	<53	<26	<42	<42	<170	<17	19	<1.7
Trichloroethylene	<77	<59	<49	<28	<40	<40	<150	<15	<1.5	<1.5

APW-02 - Screen Elevation (ft-msl) = 534.29-523.90

CONSTITUENT	APW-02 Dec-00	APW-02 Nov-01	APW-02 May-02	APW-02 Oct-06	APW-02 Oct-09	APW-02 Dec-12	APW-02 Jul-21	APW-02 Jan-22	APW-02 Jul-22	APW-02 Feb-23
Benzene	<1.7	<25	[20]J	[19]J	<25	<9.9	4.8 J	[6.3]J	[70]	3.1J
Chlorobenzene	<1.6	[2500]	[1500]	[1400]	[1400]	[720]	[390]	[680]	[870]	[460]
Methylene chloride	<1.7	<17	<14	<6.8	<27	<11	<3.9	<7.7	<3.9	<3.9
Toluene	<1.7	<23	<11	<5.3	28J	<8.5	<1.7	<3.4	<1.7	<1.7
Trichloroethylene	<1.5	<24	<9.9	<5.6	<20	<8	<1.5	<3	2.8 J	<1.5

MW-20 - Screen Elevation (ft-msl) = 542.40-517.40

CONSTITUENT	MW-20 Apr-01	MW-20 Nov-01	MW-20 May-02	MW-20 Oct-06	MW-20 Oct-09	MW-20 Dec-12	MW-20 Aug-19	MW-20 Jul-20	MW-20 Jul-21	MW-20 Jul-22
Benzene	[58]J	[17]J	[15]J	[58]J	[76]J	[78]J	[77]H	<98	[24]	[69]
Chlorobenzene	[2800]	[1400]	[960]	[2500]	[3000]	[3900]	[2900]	[4300]	[1400]	[3100]H
Methylene chloride	<12	<8.3	<6.8	<14	<44	<82	<190	<190	<9.6	<19
Toluene	<17	<11	<5.3	<11	<34	<63	<84	<84	<4.2	<8.4
Trichloroethylene	<18	<12	<4.9	<11	<32	<60	<75	<75	<3.8	<7.5

P-A11 - Screen Elevation (ft-msl) = 528.80-523.80

CONSTITUENT	P-A11 Dec-00	P-A11 Nov-01	P-A11 May-02	P-A11 Oct-06	P-A11 Oct-09	P-A11 Dec-12	P-A11 Aug-19	P-A11 Jul-20	P-A11 Jul-21	P-A11 Jul-22
Benzene	<1.7	<1.2	<0.94	<0.62	<0.99	<0.99	<2	<2	<2	<2
Chlorobenzene	<1.6	<1.1	<1.0	<0.58	<0.53	<0.53	<1.6	9.5	<1.6	<1.6
Methylene chloride	<1.7	<0.83	<1.4	<0.68	<1.1	<1.1	<3.9	<3.9	<3.9	<3.9
Toluene	<1.7	<1.1	<1.1	<0.53	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.5	<1.2	<0.99	<0.56	<0.80	<0.80	<1.5	<1.5	<1.5	<1.5

APW-05 - Screen Elevation (ft-msl) = 537.98-516.10

CONSTITUENT	APW-05 Dec-00	APW-05 Nov-01	APW-05 May-02	APW-05 Oct-06	APW-05 Oct-09	APW-05 Dec-12	APW-05 Jul-21	APW-05 Jan-22	APW-05 Jul-22	APW-05 Feb-23
Benzene	<83	<62	[67]J	[66]J	[93]J	[75]J	<200	[50]	[45]H	[27]
Chlorobenzene	[4900]	[4300]	[4800]	[3300]	[4600]	[4200]	[2100]	[3400]	[2900]H	<1.6
Methylene chloride	<87	<41	<68	<20	<54	<44	<390	<39	<3.9	<3.9
Toluene	<83	<57	<53	<16	<42	<34	<170	<17	<1.7	<1.7
Trichloroethylene	<77	<59	<49	<17	<40	<32	<150	<15	2.1 JH	<1.5

MW-04RR - Screen Elevation (ft-msl) = 545.95-535.95

CONSTITUENT	MW-04R Nov-00	MW-04RR Dec-01	MW-04RR May-02	MW-04RR Oct-06	MW-04RR Oct-09	MW-04RR Dec-12	MW-04RR Aug-19	MW-04RR Jul-20	MW-04RR Jul-21	MW-04RR Jul-22
Benzene	[340]	[90]	[43]J	<31	[27]J	<20	3.9 JH	[11]J	<490	<9.8
Chlorobenzene	[3700]	[2900]	[2100]	[1400]	[1600]	[700]	[470]	[770]	[610]J	[330]
Methylene chloride	<17	<8.3	<14	<34	<27	<22	<77	<15	960	<19
Toluene	890	53	12J	<26	<21	<17	<34	<6.7	<420	<8.4
Trichloroethylene	<15	<12	<9.9	<28	<20	<16	<3 H	<6	<380	<7.5

MW-28R - Screen Elevation (ft-msl) = 531.17-526.17

CONSTITUENT	MW-28 Nov-00	MW-28R Dec-01	MW-28R May-02	MW-28R Oct-06	MW-28R Oct-09	MW-28R Dec-12	MW-28R Aug-19	MW-28R Jul-20	MW-28R Jul-21	MW-28R Jul-22
Benzene	[17]J	[15]J	[36]J	[62]J	[84]J	<99	[50]H	[72]J	<200	[51]JH
Chlorobenzene	[1600]	[1500]	[3100]	[4400]	[5600]	[5000]	[7100]	[9600]	[4500]	[6100]H
Methylene chloride	<17	<8.3	<34	<34	<54	<110	<390	<77	<390	<3.9
Toluene	73	71	<26	33J	76 J	<85	<170	<34	<170	<1.7
Trichloroethylene	<15	<12	<25	<28	<40	<80	<150	<30	<150	<1.5

MW-36B - Screen Elevation (ft-msl) = 536.50-526.50

CONSTITUENT	MW-36B Apr-01	MW-36B Nov-01	MW-36B May-02	MW-36B Oct-06	MW-36B Oct-09	MW-36B Dec-12	MW-36B Aug-19	MW-36B Jul-20	MW-36B Jul-21	MW-36B Jul-22
Benzene	<1.2	<1.2	2.0J	1.1J	<0.99	<0.99	<2	<2	<2	<2
Chlorobenzene	<1.1	<1.1	<1.0	<0.58	<0.53	<0.53	<1.6	<1.6	<1.6	<1.6
Methylene chloride	<0.83	<0.83	<1.4	<0.68	<1.1	<1.1	<3.9	<3.9	<3.9	<3.9
Toluene	<1.1	<1.1	<1.1	<0.53	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.2	<1.2	<0.99	<0.56	<0.80	<0.80	<1.5	<1.5	<1.5	<1.5

MW-18A - Screen Elevation (ft-msl) = 551.92-541.92

CONSTITUENT	MW-18A Apr-01	MW-18A Nov-01	MW-18A May-02	MW-18A Apr-06	MW-18A Oct-09	MW-18A Dec-12	MW-18A Aug-19	MW-18A Jul-20	MW-18A Jul-21	MW-18A Jul-22
Benzene	<1.2	<1.2	<0.94	<1.3	<0.99	<0.99	<2	<2	<2	<2
Chlorobenzene	<1.1	7.4	<1.0	<0.42	<0.53	<0.53	<1.6	<1.6	<1.6	<1.6
Methylene chloride	<0.83	<0.83	<1.4	<1.1	<1.1	<1.1	<3.9	<3.9	<3.9	<3.9
Toluene	<1.1	<1.1	<1.1	<0.61	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.2	<1.2	<0.99	<1.3	<0.80	<0.80	<1.5	<1.5	<1.5	<1.5

ARW-01 - Screen Elevation (ft-msl) = 539.80-524.80

CONSTITUENT	ARW-01 Aug-01	ARW-01 Nov-01	ARW-01 Jun-02	ARW-01 Oct-06	ARW-01 Oct-09	ARW-01 Dec-12	ARW-01 Jul-21	ARW-01 Jan-22	ARW-01 Jul-22	ARW-01 Feb-23
Benzene	<190	<190	[63]J	[71]J	<99	<49	[460]	<98	[83]	[100]
Chlorobenzene	[15000]	[13000]	[10000]	[8600]	[11000]	[3400]	[19000]	[9600]	[6400]	[9500]
Methylene chloride	<120	<120	<27	<34	<110	<54	<77	<190	<19	<77
Toluene	820	790	710	690	740	280	[1600]	640	480 J	620
Trichloroethylene	<180	<180	<20	<28	<80	<40	<30	<75	<7.5	<30

MW-3-3 - Screen Elevation (ft-msl) =

CONSTITUENT	MW-3-3 Sep-17	MW-3-3 Dec-17	MW-3-3 Oct-18	MW-3-3 Aug-19	MW-3-3 Jul-20	MW-3-3 Jul-21	MW-3-3 Jul-22
Benzene	<39	[14]	[18]	[19]	[19]	[12]	[16]
Chlorobenzene	[1000]	[800]	[720]	[420]	[610]	[500]	[640]
Methylene chloride	<47	<2.4	<0.63	<3.9	<7.7	<3.9	<9.6
Toluene	<34	<1.7	1.1 J	<1.7	<3.4	<1.7	<4.2
Trichloroethylene	<30	<1.5	<0.63	<1.5	<3	<1.5	<3.8

MW-08 - Screen Elevation (ft-msl) = 560.70-550.70

CONSTITUENT	MW-08 Apr-01	MW-08 Nov-01	MW-08 May-02	MW-08 Oct-06	MW-08 Oct-09	MW-08 Dec-12	MW-08 Aug-19	MW-08 Jul-20	MW-08 Jul-21	MW-08 Jul-22
Benzene	<1.2	<1.2	<0.94	<0.62	<0.99	<0.99	<2	<2	<2	<2
Chlorobenzene	<1.1	<1.1	<1.0	<0.58	<0.53	<0.53	<1.6	<1.6	<1.6	<1.6
Methylene chloride	<0.83	<0.83	<1.4	<0.68	<1.1	<1.1	<3.9	<3.9	<3.9	<3.9
Toluene	<1.1	<1.1	<1.1	<0.53	<0.85	<0.85	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.2	<1.2	<0.99	<0.56	<0.80	<0.80	<1.5	<1.5	<1.5	<1.5

MW-3-1 - Screen Elevation (ft-msl) =

CONSTITUENT	MW-3-1 Sep-17	MW-3-1 Dec-17	MW-3-1 Oct-18	MW-3-1 Aug-19	MW-3-1 Jul-20	MW-3-1 Jul-21	MW-3-1 Jul-22
Benzene	[980]	[1000]	[720]	[640]	[200]	[320]	[710]
Chlorobenzene	[9400]	[4700]	[3200]	[2800]	[880]	[2000]	[3700]J
Methylene chloride	<300	<350	<16	<390	<77	<19	<96
Toluene	[30000]	[19000]	[14000]	[15000]	[12000]	[4700]	[18000]
Trichloroethylene	<190	<230	<16	<150	<30	<7.5	<38

MW-23 - Screen Elevation (ft-msl) = 543.65-528.65

CONSTITUENT	MW-23 Apr-01	MW-23 Nov-01	MW-23 May-02	MW-23 Oct-06	MW-23 Oct-09	MW-23 Dec-12	MW-23 Aug-19	MW-23 Jul-20	MW-23 Jul-21	MW-23 Jul-22
Benzene	<12	<6.2	<4.7	<3.1	<9.9	<9.9	<2 H	<9.8	<2	<9.8
Chlorobenzene	[1200]	[1200]	[840]	[680]	[680]	[670]	[440]	[600]	[350]	[510]
Methylene chloride	<8.3	<4.1	<6.8	<3.4	<11	<11	<3.9 H	<19	<3.9	<19
Toluene	<11	<5.7	<5.3	<2.6	<8.5	<8.5	<8.4	<8.4	<1.7	<8.4
Trichloroethylene	<12	<5.9	<4.9	<2.8	<8.0	<8	<1.5 H	<7.5	<1.5	<7.5

MW-3-2 - Screen Elevation (ft-msl) =

CONSTITUENT	MW-3-2 Sep-17	MW-3-2 Dec-17	MW-3-2 Oct-18	MW-3-2 Aug-19	MW-3-2 Jul-20	MW-3-2 Jul-21	MW-3-2 Jul-22
Benzene	<2	<2	<0.43	<2	<2	<2	<2
Chlorobenzene	7	5	11	19	9.1	9.9	12
Methylene chloride	<2.4	<2.4	<0.32	<3.9	<3.9	<3.9	<3.9
Toluene	<1.7	<1.7	0.79 J	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.5	<1.5	<0.31	<1.5	<1.5	<1.5	<1.5

MW-203 - Screen Elevation (ft-msl) = 534.74-524.74

CONSTITUENT	MW-203 Apr-13	MW-203 Oct-14	MW-203 Apr-15	MW-203 Oct-15	MW-203 Apr-16	MW-203 Oct-16	MW-203 Apr-17	MW-203 Oct-17	MW-203 Apr-18	MW-203 Jul-22
Benzene	[280]	[270]	[230]	[360]	[310]	[270]	[270]	<490	[200]	[250]
Chlorobenzene	[1600]	[2300]	[1900]	[2700]	[2200]	[2500]	[2300]	[2500]	[2200]	[2400]
Methylene chloride	[28]J	<27	<33	<44	<160	[170]	<17	<590	<94	<96
Toluene	660	[1300]	1000	[1900]	[1400]	[1400]	[1500]	[1500]	[1400]	1000
Trichloroethylene	[570]	[900]	[650]	[1000]	[740]	[910]	[670]	[580]J	[580]	[770]

MW-201 - Screen Elevation (ft-msl) = 542.21-532.21

CONSTITUENT	MW-201 Oct-14	MW-201 Apr-15	MW-201 Oct-15	MW-201 Apr-16	MW-201 Oct-16	MW-201 Apr-17	MW-201 Oct-17	MW-201 Apr-18	MW-201 Nov-18	MW-201 Jul-22
Benzene	<0.99	<0.99	<0.99	<0.82	<3	<3	<2	<2	<2	<2
Chlorobenzene	<0.53	2 J	0.7 J	<0.91	<2.2	<2.2	<1.6	<1.6	<1.6	<1.6
Methylene chloride	1.6 J	<1.1	<1.1	<4.1	<0.56	<0.56	<2.4	<2.4	<3.9	<3.9
Toluene	<0.85	<0.85	<0.85	<0.75	<3.6	<3.6	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	1.6 J	<0.8	<0.8	<0.9	<1.1	<1.1	<1.5	<1.5	<1.5	<1.5

MW-202 - Screen Elevation (ft-msl) = 541.12-531.12

CONSTITUENT	MW-202 Oct-15	MW-202 Apr-16	MW-202 Oct-16	MW-202 Oct-17	MW-202 Apr-18	MW-202 Nov-18	MW-202 Aug-19	MW-202 Jul-20	MW-202 Jul-21	MW-202 Jul-22
Benzene	<49	<41	<150	<98	<20	<98	[10]H	[23]	4.3 J	<49
Chlorobenzene	[3100]	[2200]	[3500]	[1800]	[1200]	[880]	[880]	[720]	[250]	[1300]
Methylene chloride	<54	<210	<28	<120	<24	<190	<77	<7.7	<3.9	<96
Toluene	<42	<38	<180	<84	<17	<84	<34	<3.4	<1.7	<42
Trichloroethylene	<40	<45	<56	<75	<15	<75	<3 H	<3	<1.5	<38

MW-14R - Screen Elevation (ft-msl) = 552.70-542.70

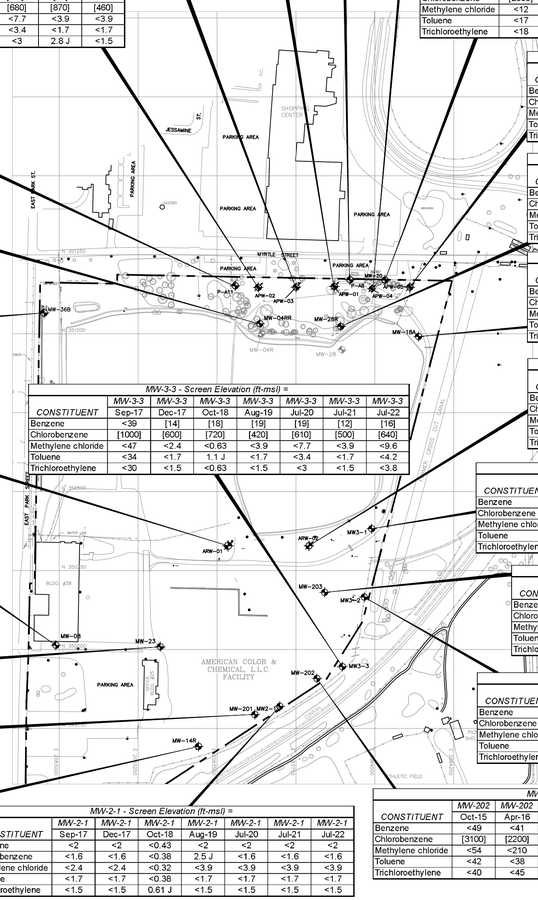
CONSTITUENT	MW-14R Nov-00	MW-14R Nov-01	MW-14R Sep-02	MW-14R Oct-06	MW-14R Oct-07	MW-14R Oct-09	MW-14R Aug-19	MW-14R Jul-20	MW-14R Jul-21	MW-14R Jul-22
Benzene	<1.7	<1.2	<0.94	<0.62	<0.81	<0.99	<2	<2	<2	<2
Chlorobenzene	<1.6	<1.1	<1.0	<0.58	<0.71	<0.53	<1.6	<1.6	<1.6	<1.6
Methylene chloride	<1.7	<0.83	<1.4	<0.68	<0.75	<1.1	<3.9	<3.9	<3.9	<3.9
Toluene	<1.7	<1.1	<1.1	<0.53	<0.80	<0.85	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.5	<1.2	<0.99	<0.56	<0.88	<0.80	<1.5	<1.5	<1.5	<1.5

MW-2-1 - Screen Elevation (ft-msl) =

CONSTITUENT	MW-2-1 Sep-17	MW-2-1 Dec-17	MW-2-1 Oct-18	MW-2-1 Aug-19	MW-2-1 Jul-20	MW-2-1 Jul-21	MW-2-1 Jul-22
Benzene	<2	<2	<0.43	<2	<2	<2	<2
Chlorobenzene	<1.6	<1.6	<0.38	2.5 J	<1.6	<1.6	<1.6
Methylene chloride	<2.4	<2.4	<0.32	<3.9	<3.9	<3.9	<3.9
Toluene	<1.7	<1.7	<0.38	<1.7	<1.7	<1.7	<1.7
Trichloroethylene	<1.5	<1.5	0.61 J	<1.5	<1.5	<1.5	<1.5

ARW-02 - Screen Elevation (ft-msl) = 532.82-527.85

CONSTITUENT	ARW-02 Aug-01	ARW-02 Nov-01	ARW-02 May-02	ARW-02 Oct-06	ARW-02 Oct-09	ARW-02 Dec-12	ARW-02 Jul-21	ARW-02 Jan-22	ARW-02 Jul-22	ARW-02 Feb-23
Benzene	<93	[14]J	<47	[17]J	<49	<49	<390	<98	<59	[50]J
Chlorobenzene	[8300]	[5800]	[4700]	[3300]	[4400]	[5100]	[6700]	[12000]	[8000]	[11000]
Methylene chloride	<82	<8.3	<68	<17	<54	<54	<770	<190	<120	<77
Toluene	[2200]	[2100]	[1400]	[1100]	[1400]	[1300]	[1100]	[1600]	770	[1500]E
Trichloroethylene	<89	<12	<49	<14	<40	<40	<300	<75	<45	<30



NOTES:

- J = ESTIMATED CONCENTRATION LESS THAN DETECTION LIMIT
- B = METHOD BLANK CONTAMINATION. THE ASSOCIATED METHOD BLANK CONTAINS THE TARGET ANALYTE AT A REPORTABLE LEVEL.
- H = SAMPLE WAS ANALYZED BEYOND HOLDING TIME.
- ug/l = MICROGRAMS PER LITER
- ft-msl = FEET ABOVE SEA LEVEL
- VOC's = VOLATILE ORGANIC COMPOUNDS
- NS = NOT SAMPLED DUE TO WELL BEING DRY

LEGEND

- EXISTING TREELINES
- EXISTING TREE
- RAILROAD TRACKS
- FENCE LINE
- STREAMS, RIVERBANK
- UTILITY POLE
- LIGHT STANDARD
- ACC FACILITY BOUNDARY
- EXISTING STRUCTURE
- EXISTING TANK
- P-A9 — GROUNDWATER PIEZOMETER/MONITORING WELL LOCATION
- MW-04R — FORMER GROUNDWATER MONITORING WELL LOCATION
- APW-03 — RECOVERY WELL LOCATION
- EXISTING CATCH BASIN
- EXISTING GUIDE RAIL
- [75] — BRACKETED CONCENTRATION INDICATES EXCEEDANCE OF MEDIA CLEANUP STANDARD

MEDIA CLEANUP STANDARDS

CONSTITUENT	UNITS	MEDIA CLEANUP STANDARD	CURRENT USEPA MCL
Benzene	(ug/l)	5	5
Chlorobenzene	(ug/l)	39	100
Methylene Chloride	(ug/l)	4.1	5
Toluene	(ug/l)	1000	1000
Trichloroethylene	(ug/l)	5	5

– USEPA MCL (USEPA, 2009) PRESENTED FOR INFORMATIONAL PURPOSES

0 240 480 FEET

AMERICAN COLOR & CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

DRWN: KLC	DATE: 03/15/23	KEY ENVIRONMENTAL INCORPORATED	
CHKD: TSA	DATE: 03/15/23		
APPD: AMG	DATE: 03/15/23		
SCALE: AS SHOWN			

2023 FIRST QUARTER PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

COMPARISON OF ANALYTICAL MONITORING DATA TO MEDIA CLEANUP STANDARDS (VOCs)

PROJECT NO: 22-401
FIGURE 2A

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: ADR MAPPING, MAY 1995, PLANIMETRICS AND TOPOGRAPHY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, MAY 1995, SITE SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, OCTOBER 1997, PLAN OF SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, NOVEMBER 2000, AS-BUILT SURVEY.
NOTE: QUARTERLY GROUNDWATER SAMPLING DATA NOT DEPICTED ON THIS FIGURE CAN BE FOUND IN PREVIOUS QUARTERLY REPORTS.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

y:\acc_2003\2023 quarterly\acc-drake 1st quarter\Figure 2a voc.dwg Last Saved By: Scomer 3/15/2023 3:29 PM Plotted By: Shelly Comer 3/15/2023 3:44 PM Scale: 1:1

APW-01 - Screen Elevation (ft-msl) = 539.80-519.90

	APW-01	APW-01	APW-01	APW-01	APW-01	APW-01	APW-01	APW-01	APW-01	APW-01
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jan-22	Jul-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<8.1	<500	<85	<150	<22	<470	<130	<62	<62	<310
4-Chloroaniline	[1200]	[1600]	[3300]	[1300]	[2100]	140 J	[570]	[330]H	[330]H	[520]
1,2-Dichlorobenzene	[4800]	[5900]	[7500]	[4200]	[5300]	[5500]	[7500]	[4700]	[4700]	[5100]
1,4-Dichlorobenzene	[170]E	[230]J	[310]J	<490	[200]J	[220]J	[310]	[140]	[140]	[230]
4-Methylphenol	<14	<130	<330	<140	<8.4	<34	<7.8	<3.7	<3.7	<19
2-Nitroaniline	<6.0	<300	<100	<810	<7.9	<130	<11	<5.5	<5.5	<27
4-Nitroaniline	<4.9	<400	<110	<1200	<11	<65	<7.6	<3.6	<3.6	<18
Nitrobenzene	<7.0	<58	<140	<220	<8.6	<32	<10	[7.9]J	[7.9]J	<25
Pentachlorophenol	<8.6	<180	<77	<2000	<89	<25	<18	<8.5	<8.5	<42
Phenol	<6.2	<80	<190	<260	<11	<22	<10	<4.9	<4.9	<24

P-A8 - Screen Elevation (ft-msl) = 522.10-517.10

	P-A8	P-A8	P-A8	P-A8	P-A8	P-A8	P-A8	P-A8	P-A8	P-A8
CONSTITUENT	Apr-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<81	[8.9]J	<17	<30	<0.43	<510	<1000	<60	<65	<65
4-Chloroaniline	70J	33	<72	<20	4.7 J	47 J	15 J	8.2 J	3 J	<3.9
1,2-Dichlorobenzene	[960]	[750]	[800]	[1100]	[780]	[3100]	[3000]	[1600]	[660]	490
1,4-Dichlorobenzene	<60	28J	30J	<97	25	[120]J	[110]J	46	22	19
4-Methylphenol	<140	<1.3	<67	<28	<0.17	<37	<60	<3.6	<3.9	<3.9
2-Nitroaniline	<60	<3.0	<21	<160	<0.16	<140	<88	<5.3	<5.7	<5.7
4-Nitroaniline	<49	<4.0	<22	<240	<0.21	<70	<9.4	<0.56	<0.6	<3.8
Nitrobenzene	<70	<0.58	<28	<44	<0.17	[230]J	<81	<4.8	<5.2	<5.2
Pentachlorophenol	<86	<1.8	<16	<400	<1.8	<27	<140	<8.1	<8.8	<8.8
Phenol	<62	<0.80	<38	<52	<0.22	<24	<79	<4.7	<5.1	<5.1

APW-03 - Screen Elevation (ft-msl) = 533.99-521.80

	APW-03	APW-03	APW-03	APW-03	APW-03	APW-03	APW-03	APW-03	APW-03	APW-03
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jan-22	Jul-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<8.1	<1500	<130	<300	<22	<470	<120	<62	<62	<300
4-Chloroaniline	[4400]	[1900]J	[1800]	[1800]J	[950]	[1200]	[230]	[200]H	[200]H	[200]
1,2-Dichlorobenzene	[12000]	[11000]	[9800]	[12000]	[14000]	[14000]	[7900]	[8400]H	[8400]H	[8600]
1,4-Dichlorobenzene	[300]E	[350]J	[300]J	<980	[450]J	[600]	[360]	[260]	[260]	[340]
4-Methylphenol	<14	<380	<490	<290	<8.6	<34	<7.4	<3.7	<3.7	<18
2-Nitroaniline	<6.0	<890	<150	<1600	<8.1	<130	<11	<5.5	<5.5	<26
4-Nitroaniline	<4.9	<1200	<160	<2500	<11	<65	<7.3	<3.6	<3.6	<17
Nitrobenzene	<7.0	<180	<210	<440	<8.7	<32	<10	<5	<5	<24
Pentachlorophenol	<8.6	<540	<120	<4000	<91	<25	<17	<8.5	<8.5	<41
Phenol	<6.2	<240	<280	<530	<11	<22	<9.7	<4.9	<4.9	<23

APW-04 - Screen Elevation (ft-msl) = 536.25-524.43

	APW-04	APW-04	APW-04	APW-04	APW-04	APW-04	APW-04	APW-04	APW-04	APW-04
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jan-22	Jul-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<20	<500	<86	<150	<23	<250	<62	<60	<60	<190
4-Chloroaniline	[4200]	[1400]	[3800]	[840]J	[500]	[470]	4.5 J	<3.6	<3.6	[150]
1,2-Dichlorobenzene	[3300]	[4300]	[6400]	[4800]	[5300]	[4300]	[1200]	[3000]	[3000]	[3100]
1,4-Dichlorobenzene	[210]	[210]J	[320]J	<490	[210]J	[180]J	42	[100]	[100]	[130]
4-Methylphenol	<34	<130	<330	<140	<8.8	<18	<3.7	<3.6	<3.6	<12
2-Nitroaniline	<15	<300	<100	<810	<8.2	<69	<5.5	<5.3	<5.3	<17
4-Nitroaniline	<12	<400	<110	<1200	<11	<34	<3.6	<3.5	<3.5	<11
Nitrobenzene	<17	<58	<140	<220	<8.9	<17	<5	<4.8	<4.8	<16
Pentachlorophenol	<21	<180	<78	<2000	<93	<13	<8.5	<8.1	<8.1	<26
Phenol	<16	<80	<190	<260	<12	<11	<4.9	<4.7	<4.7	<15

APW-02 - Screen Elevation (ft-msl) = 534.29-523.90

	APW-02	APW-02	APW-02	APW-02	APW-02	APW-02	APW-02	APW-02	APW-02	APW-02
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jan-22	Jul-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<20	<5.0	<86	<150	<18	<240	<130	<71	<71	<65
4-Chloroaniline	[1800]	120E	<350	<100	95 J	150 J	7.9 J	<4.3	<4.3	<3.9
1,2-Dichlorobenzene	[7300]	[4700]	[4900]	[8800]	[6200]	[7100]	[5000]	[3500]	[3500]	[4800]
1,4-Dichlorobenzene	[210]	[120]J	[140]J	<500	[190]J	[280]	[170]	[100]	[100]	[150]
4-Methylphenol	<34	<1.3	<330	<150	<6.9	<18	<7.8	<4.2	<4.2	<3.9
2-Nitroaniline	<15	<3.0	<100	<830	<6.5	<68	<11	<6.2	<6.2	<5.7
4-Nitroaniline	<12	<4.0	<110	<1300	<8.9	<34	<7.6	<4.1	<4.1	<3.8
Nitrobenzene	<17	[17]	<140	<230	<7.1	<16	<10	<5.7	<5.7	<5.2
Pentachlorophenol	<21	<1.8	<78	<2100	<74	<13	<18	<9.6	<9.6	<8.8
Phenol	<16	0.81J	<190	<270	<9.3	<11	<10	<5.5	<5.5	<5.1

MW-20 - Screen Elevation (ft-msl) = 542.40-517.40

	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
CONSTITUENT	Apr-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<200	<5.0	<8.7	<74	<8.8	<13	<500	<58	<62	<65
4-Chloroaniline	[240]J	74	36J	110J	48J	16	<3.5	8.1 J	8.5 J	<3.9
1,2-Dichlorobenzene	[2100]	[2200]	550	[3500]	[2100]	[2800]	[2600]	[2800]	[1200]	[1900]H
1,4-Dichlorobenzene	<150	[75]	37J	<240	73 J	[87]	[95]	[92]	39	[110]
4-Methylphenol	<340	<1.3	<34	<71	<3.4	<0.92	<30	<3.4	<3.7	<3.9
2-Nitroaniline	<150	<3.0	<10	<400	<3.2	<3.6	<44	<5.1	<5.5	<5.7
4-Nitroaniline	<120	<4.0	<11	<610	<4.3	<1.8	<4.7	<0.54	<0.58	<3.8
Nitrobenzene	<170	<0.58	<14	<110	<3.4	<0.86	<40	<4.6	<5	<5.2
Pentachlorophenol	<210	<1.8	<7.8	<1000	<36	<0.67	<68	<7.8	<8.5	<8.8
Phenol	<160	2.6J	<19	<130	<4.5	<0.59	<39	<4.5	<4.9	<5.1

P-A11 - Screen Elevation (ft-msl) = 528.80-523.80

	P-A11	P-A11	P-A11	P-A11	P-A11	P-A11	P-A11	P-A11	P-A11	P-A11
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	<0.87	<1.5	<0.44	<12	<50	<58	<65	<65
4-Chloroaniline	<1.5	<3.0	<3.6	<1.0	<1.0	<0.88	<0.35	<0.41	<0.46	<3.9
1,2-Dichlorobenzene	<2.4	2.4J	<1.3	<7.0	<0.28	<0.74	<0.41	<0.47	<0.53	<0.99
1,4-Dichlorobenzene	<3.0	<0.57	<1.3	<4.9	<0.33	<0.74	<0.49	<0.56	<0.64	<0.64
4-Methylphenol	<6.8	<1.3	<3.4	<1.4	<0.17	<0.89	<3	<3.4	<3.9	<3.9
2-Nitroaniline	<3.0	<3.0	<1.0	<8.1	<0.16	<3.5	<4.4	<5.1	<5.7	<5.7
4-Nitroaniline	<2.4	<4.0	<1.1	<12	<0.22	<1.7	<0.47	<0.54	<0.6	<3.8
Nitrobenzene	<3.5	<0.58	<1.4	<2.2	<0.17	<0.84	<4	<4.6	<5.2	<5.2
Pentachlorophenol	<4.3	<1.8	<0.78	<20	<1.8	<0.66	<6.8	<7.8	<8.8	<8.8
Phenol	<3.1	<0.80	<1.9	<2.6	<0.23	<0.58	<3.9	<4.5	<5.1	<5.1

APW-05 - Screen Elevation (ft-msl) = 537.98-516.10

	APW-05	APW-05	APW-05	APW-05	APW-05	APW-05	APW-05	APW-05	APW-05	APW-05
CONSTITUENT	Dec-00	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jul-21	Jan-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<4.1	<250	<43	<38	<4.4	<250	<62	<140	<68	<68
4-Chloroaniline	110J	[220]J	[240]J	31 J	17 J	44 J	2.3 J	15 J	<4.1	<4.1
1,2-Dichlorobenzene	[2200]	[2800]	[3200]	[1200]	[2400]	[3100]	[1100]	[1700]	[1500]	[810]
1,4-Dichlorobenzene	58	[78]J	[88]J	<120	67 J	[100]J	33	58	46	26
4-Methylphenol	<6.8	<63	<170	<36	<1.7	<18	<3.7	<8.1	<4	<4
2-Nitroaniline	<3.0	<150	<51	<200	<1.6	<69	<5.5	<12	<6	<6
4-Nitroaniline	<2.4	<200	<54	<310	<2.2	<34	<0.58	<7.9	<3.9	<3.9
Nitrobenzene	<3.5	<29	<69	<55	<1.7	<17	<5	<11	<5.4	<5.4
Pentachlorophenol	<4.3	<90	<39	<510	<18	<13	<8.5	<18	<9.2	<9.2
Phenol	<3.1	<40	<94	<66	<2.3	<11	<4.9	<11	<5.3	<5.3

MW-04RR - Screen Elevation (ft-msl) = 545.95-535.95

	MW-04R	MW-04RR	MW-04RR	MW-04RR	MW-04RR	MW-04RR	MW-04RR	MW-04RR	MW-04RR	MW-04RR
CONSTITUENT	Nov-00	Dec-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4100	<2500	<440	<1500	<44	<1800	<1300	<60	<62	<65
4-Chloroaniline	[6200]J	[3000]J	<1800	<990	[460]J	[370]J	120 J	97	37	<3.9
1,2-Dichlorobenzene	[44000]	[21000]	[20000]	[33000]	[24000]	[39000]	[14000]	[11000]	[13000]	[5500]
1,4-Dichlorobenzene	<3000	[620]J	<630	<4800	[750]J	[1500]	[550]	[530]	[490]J	[170]
4-Methylphenol	<6800	<630	<1700	<1400	<17	<130	<75	<3.6	<3.7	<3.9
2-Nitroaniline	<3000	<1500	<520	<8000	<16	<510	<110	<5.3	<5.5	<5.7
4-Nitroaniline	<2400	<2000	<550	<12000	<22	<250	<12	<0.56	<0.58	<3.8
Nitrobenzene	<3500	<290	<700	<2200	<17	<120	<100	<4.8	<5	<5.2
Pentachlorophenol	<4300	<900	<390	<20000	<180	<96	<170	<8.1	<8.5	<8.8
Phenol	<3100	<400	<950	<2600	<23	<84	<98	<4.7	<4.9	<5.1

MW-28R - Screen Elevation (ft-msl) = 531.17-526.17

	MW-28	MW-28R	MW-28R	MW-28R	MW-28R	MW-28R	MW-28R	MW-28R	MW-28R	MW-28R
CONSTITUENT	Nov-00	Dec-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<8.1	<990	<170	<150	<22	<500 H	<2000	<180	<190	<65
4-Chloroaniline	[1700]J	[5000]	[2600]	[2600]	[3500]	[4000]H	[3400]	[2800]	[3700]	[3500]
1,2-Dichlorobenzene	[8000]	[13000]	[8000]	[8100]	[8500]	[8200]H	[5800]	[4400]	[5200]	[5900]
1,4-Dichlorobenzene	[310]E	[590]J	[320]J	<500	[320]J	[330]JH	[270]J	[210]	[200]	[240]
4-Methylphenol	<14	<250	<660	<150	<8.6	<36 H	<120	<11	<11	<3.9
2-Nitroaniline	<6.0	<590	<200	<830	<8.1	<140 H	<180	<16	<16	<5.7
4-Nitroaniline	<4.9	<800	<220	<1300	<11	<69 H	<19	<1.7	<1.7	<3.8
Nitrobenzene	<7.0	<120	<280	<230	<8.7	[240]JH	<160	<14	<15	<5.2
Pentachlorophenol	<8.6	<360	<160	<2100	<91	<27 H	<270	<24	<25	<8.8
Phenol	<6.2	<160	<380	<270	<11	<23 H	<160	<14	<15	20

MW-36B - Screen Elevation (ft-msl) = 536.50-526.50

	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B	MW-36B
CONSTITUENT	Apr-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	<0.85	<1.7	<0.44	<12	<47	<60	<58	<62
4-Chloroaniline	<1.5	<3.0	<3.5	<1.1	<1.0	<0.87	1.5 J	0.46 J	<0.41	<3.8
1,2-Dichlorobenzene	<2.4	<0.61	<1.3	<8.0	<0.28	<0.74	<0.39	<0.49	<0.47	<0.95
1,4-Dichlorobenzene	<3.0	<0.57	<1.2	<5.5	<0.33	<0.73	<0.46	<0.59	<0.56	<0.61
4-Methylphenol	<6.8	<1.3	<3.3	<1.6	<0.17	<0.89	<2.8	<3.6	<3.4	<3.7
2-Nitroaniline	<3.0	<3.0	<1.0	<9.2	<0.16	<3.5	<4.2	<5.3	<5.1	<5.5
4-Nitroaniline	<2.4	<4.0	<1.1	<14	<0.22	<1.7	<0.44	<0.56	<0.54	<3.6
Nitrobenzene	<3.5	<0.58	<1.4	<2.5	<0.17	<0.83	<3.8	<4.8	<4.6	<5
Pentachlorophenol	<4.3	<1.8	<0.77	<23	<1.8	<0.65	<6.4	<8.1	<7.8	<8.5
Phenol	<3.1	<0.80	<1.9	<3.0	<0.22	<0.57	<3.7	<4.7	<4.5	<4.9

MW-18A - Screen Elevation (ft-msl) = 551.92-541.92

	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A	MW-18A
CONSTITUENT	Apr-01	Nov-01	May-02	Apr-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	0.89J	<1.6	<0.44	<12	<50	<60	<60	<65
4-Chloroaniline	<1.5	9.5J	<3.6	<1.1	<1.0	<0.84	<0.35	<0.42	<0.42	<3.9
1,2-Dichlorobenzene	<2.4	26	<1.3	<7.5	<0.28	<0.71	0.75 J	7.2 J	<0.49	<0.99
1,4-Dichlorobenzene	<3.0	1.6J	<1.3	<5.2	<0.33	<0.71	<0.49	<0.59	<0.59	<0.64
4-Methylphenol	<6.8	<1.3	<3.4	<1.5	<0.17	<0.86	<3	<3.6	<3.6	<3.9
2-Nitroaniline	<3.0	<3.0	<1.0	<8.6	<0.16	<3.4	<4.4	<5.3	<5.3	<5.7
4-Nitroaniline	<2.4	24J	<1.1	<13	<0.22	<1.6	<0.47	<0.56	<0.56	<3.8
Nitrobenzene	<3.5	[14]	<1.4	<2.4	<0.17	<0.8	<4	<4.8	<4.8	<5.2
Pentachlorophenol	<4.3	<1.8	<0.78	<22	<1.8	<0.63	<6.8	<8.1	<8.1	<8.8
Phenol	<3.1	1.8J	<1.9	<2.8	<0.22	<0.55	<3.9	<4.7	<4.7	<5.1

ARW-01 - Screen Elevation (ft-msl) = 539.80-524.80

	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01	ARW-01
CONSTITUENT	Aug-01	Nov-01	Jun-02	Oct-06	Oct-09	Dec-12	Jul-21	Jan-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<500	<20000	<17	<6000	<220	<9200	<620	<1600	<650	<1900
4-Chloroaniline	[16000]E	[14000]J	[33000]E	[9300]J	[12000]	[25000]	[7600]	[9700]	[6800]J	[12000]
1,2-Dichlorobenzene	[840]J	<2400	[1100]	<28000	[980]J	[2700]J	[1000]	[910]	[1400]	[1000]
1,4-Dichlorobenzene	<57	<2300	31J	<20000	<160	<550	40 J	42 J	55 J	42 J
4-Methylphenol	<130	<5000	<67	<5700	<85	<660	<37	<97	<39	<110
2-Nitroaniline	<300	<12000	<21	<32000	<80	<2600	<55	<140	<57	<160
4-Nitroaniline	<400	<16000	36J	<49000	<110	<1300	45 J	<95	87 J	<110
Nitrobenzene	[170000]	[260000]	[180000]	[130000]	[170000]	[270000]	[130000]	[110000]	[100000]	[140000]
Pentachlorophenol	<180	<7200	<16	<81000	<900	<490	<85	<220	<88	<250
Phenol	7500	<3200	19000E	<11000	<110	<430	<49	<130	<51	<150

ARW-02 - Screen Elevation (ft-msl) = 532.82-527.85

	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02	ARW-02
CONSTITUENT	Aug-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Jul-21	Jan-22	Jul-22	Feb-23
Bis(2-ethylhexyl)phthalate	<500	<5.0	<220	<150	<46	<1200	<300	<2500	<650	<120
4-Chloroaniline	[2500]	[3000]	[2900]	[1900]	[3100]	[5300]	[4900]	<150	[4500]	[500]
1,2-Dichlorobenzene	<61	18	<320	<700	240J	[730]J	[1400]	[1300]	[1300]	[750]
1,4-Dichlorobenzene	<57	2.8J	<310	<490	<34	73 J	[130]	[130]J	[120]	[81]
4-Methylphenol	<130	<1.3	<830	<140	<18	<89	<18	<150	<39	<7.4
2-Nitroaniline	<300	<3.0	<260	<810	<16	<350	<26	<220	<57	<11
4-Nitroaniline	<400	12J	<270	<1200	<23	<170	<2.8	<150	<38	<7.3
Nitrobenzene	[20000]	[16000]	[12000]	[7000]	[11000]	[18000]	[20000]	[25000]	[18000]	[6100]
Pentachlorophenol	<180	<1.8	<190	<2000	<190	<65	<41	<340	<88	<17
Phenol	<80	680J	<470	<260	<23	<57	<23	<190	<51	<9.7

MW-23 - Screen Elevation (ft-msl) = 543.65-528.65

	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
CONSTITUENT	Apr-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	<0.85	<1.5	<0.44	<12	<52	<60	<60	<65
4-Chloroaniline	41	54	40	26	34	31	43	13	56	46
1,2-Dichlorobenzene	15	18	11	8.4J	11	11	11	7 J	14	12
1,4-Dichlorobenzene	33	37	24	20	22	26	24	15	29	24
4-Methylphenol	<6.8	<1.3	<3.3	<1.4	<0.17	<0.89	<3.1	<3.6	<3.6	<3.9
2-Nitroaniline	<3.0	<3.0	<1.0	<8.0	<0.16	<3.5	<4.6	<5.3	<5.3	<5.7
4-Nitroaniline	13J	10J	11J	<12	<0.22	<1.7	<0.48	<0.56	<0.56	<3.8
Nitrobenzene	<3.5	[5.4]J	<1.4	<2.2	<0.17	<0.83	<4.2	<4.8	<4.8	<5.2
Pentachlorophenol	<4.3	<1.8	<0.77	<20	<1.8	<0.65	<7.1	<8.1	<8.1	<8.8
Phenol	<3.1	1.8J	<1.9	<2.6	<0.22	<0.57	<4.1	<4.7	<4.7	<5.1

MW-3-1 - Screen Elevation (ft-msl) =

	MW-3-1	MW-3-1	MW-3-1	MW-3-1	MW-3-1	MW-3-1	MW-3-1
CONSTITUENT	Sep-17	Dec-17	Oct-18	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<3700	<5600	<4600	<5200	<1400	<1600	<970
4-Chloroaniline	[240000]	[160000]	[210000]	[270000]	[160000]	[320000]	[120000]
1,2-Dichlorobenzene	[1400]J	[2100]J	[2800]	[4600]	[4600]	[4000]	[2600]
1,4-Dichlorobenzene	<110	<160	[130]J	[250]J	[250]	[230]J	[140]J
4-Methylphenol	<470	<700	<420	<310	[250]	[380]	180
2-Nitroaniline	<440	<650	<210	<460	<130	<140	<86
4-Nitroaniline	<290	<440	<58	<48	<13	<15	<57
Nitrobenzene	[840]J	[580]J	<170	<420	<120	<130	<78
Pentachlorophenol	<520	<780	<240	<710	<200	<210	<130
Phenol	[2400000]	[1200000]	[2500000]	[2100000]	[900000]	[2000000]	[700000]

MW-08 - Screen Elevation (ft-msl) = 560.70-550.70

	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
CONSTITUENT	Apr-01	Nov-01	May-02	Oct-06	Oct-09	Dec-12	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	<0.87	<1.5	<0.44	<13	<50	<60	<60	<65
4-Chloroaniline	<1.5	<3.0	<3.6	<1.0	<1.0	<0.9	<0.35	<0.42	<0.42	<3.9
1,2-Dichlorobenzene	<2.4	<0.61	<1.3	<7.0	<0.28	<0.77	<0.41	<0.49	<0.49	<0.99
1,4-Dichlorobenzene	<3.0	<0.57	<1.3	<4.9	<0.33	<0.76	<0.49	<0.59	<0.59	<0.64
4-Methylphenol	<6.8	<1.3	<3.4	<1.4	<0.17	<0.92	<3	<3.6	<3.6	<3.9
2-Nitroaniline	<3.0	<3.0	<1.0	<8.1	<0.16	<3.6	<4.4	<5.3	<5.3	<5.7
4-Nitroaniline	<2.4	<4.0	<1.1	<12	<0.22	<1.8	<0.47	<0.56	<0.56	<3.8
Nitrobenzene	<3.5	<0.58	<1.4	<2.2	<0.17	<0.86	<4	<4.8	<4.8	<5.2
Pentachlorophenol	<4.3	<1.8	<0.78	<20	<1.8	<0.68	<6.8	<8.1	<8.1	<8.8
Phenol	<3.1	<0.80	<1.9	<2.6	<0.22	<0.59	<3.9	<4.7	<4.7	<5.1

MW-3-2 - Screen Elevation (ft-msl) =

	MW-3-2	MW-3-2	MW-3-2	MW-3-2	MW-3-2	MW-3-2	MW-3-2
CONSTITUENT	Sep-17	Dec-17	Oct-18	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<19	<18	<44	<54	<60	<60	<62
4-Chloroaniline	<0.48	2.1 J	5.4 J	2.2 J	2.7 J	4.7 J	<3.8
1,2-Dichlorobenzene	6.5 J	12	17	<0.44	18	20	11
1,4-Dichlorobenzene	<0.55	<0.53	0.63 J	<0.53	0.77 J	0.77 J	<0.61
4-Methylphenol	<2.3	<2.2	<4	<3.2	<3.6	<3.6	<3.7
2-Nitroaniline	<2.2	<2.1	<2	<4.7	<5.3	<5.3	<5.5
4-Nitroaniline	<1.5	<1.4	<0.56	<0.5	<0.56	<0.56	<3.6
Nitrobenzene	<1.3	<1.2	<1.6	<4.3	<4.8	<4.8	<5
Pentachlorophenol	<2.6	<2.5	<2.3	<7.3	<8.1	<8.1	<8.5
Phenol	<2.9	<2.8	<0.94	<4.2	<4.7	<4.7	<4.9

MW-201 - Screen Elevation (ft-msl) = 542.21-532.21

	MW-201	MW-201	MW-201	MW-201	MW-201	MW-201	MW-201	MW-201	MW-201	MW-201
CONSTITUENT	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Nov-18	Jul-22
Bis(2-ethylhexyl)phthalate	<4.2	<4.2	<4.4	<3.5	<4.1	<4.2	<19	<44	<48	<68
4-Chloroaniline	<2.8	<2.8	<2.9	<2.3	<2.7	<2.8	<0.48	<0.42	<0.46	<4.1
1,2-Dichlorobenzene	<1	<1	<1.1	<0.87	<1	<1	<0.52	<0.49	<0.53	<1
1,4-Dichlorobenzene	<1.6	<1.6	<1.6	<1.3	<1.5	<1.6	<0.55	<0.59	<0.64	<0.66
4-Methylphenol	<2	<2	<2.1	<1.7	<1.9	<2	<2.3	<4	<4.4	<4
2-Nitroaniline	<6.5	<6.5	<6.7	<5.4	<6.2	<6.5	<2.2	<2	<2.2	<6
4-Nitroaniline	<7.4	<7.4	<7.7	<6.2	<7.2	<7.4	<1.5	<0.56	<0.6	<3.9
Nitrobenzene	<1.4	<1.4	<1.5	<1.2	<1.4	<1.4	<1.3	<1.6	<1.7	<5.4
Pentachlorophenol	<4.8	<4.8	<5	<4	<4.6	<4.8	<2.6	<2.3	<2.5	<9.2
Phenol	<0.53	<0.53	<0.55	<0.45	<0.51	<0.53	<2.9	<0.94	<1	<5.3

MW-203 - Screen Elevation (ft-msl) = 534.74-524.74

	MW-203	MW-203	MW-203	MW-203	MW-203	MW-203	MW-203	MW-203	MW-203	MW-203
CONSTITUENT	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Nov-18	Jul-22
Bis(2-ethylhexyl)phthalate	<420	<460	<420	<370	<410	<420	<1900	<4400	<4400	<65
4-Chloroaniline	[2300]	[2400]	[1700]	[2100]	[2200]	[2100]	[1700]	[2400]	[2200]	[1400]
1,2-Dichlorobenzene	[23000]	[20000]	[16000]	[18000]	[19000]	[16000]	[19000]	[20000]	[23000]	[13000]
1,4-Dichlorobenzene	[1300]	[1300]	[900]J	[1100]	[1100]	[1000]	[1100]	[1200]	[1200]	[790]J
4-Methylphenol	<200	<220	<200	<170	<190	<200	<230	<400	<400	<3.9
2-Nitroaniline	<650	<700	<650	<560	<620	<650	<220	<200	<200	<5.7
4-Nitroaniline	<740	<810	<740	<640	<720	<740	<150	<56	<56	<3.8
Nitrobenzene	[6700]	[4200]	[5000]	[4800]	[5100]	[5700]	[5500]	[3600]	[2100]	[960]J
Pentachlorophenol	<480	<520	<480	<420	<460	<480	<260	<230	<230	<8.8
Phenol	<53	<58	<53	330 J	<51	<53	<290	<94	<94	90

MW-14R - Screen Elevation (ft-msl) = 552.70-542.70

	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R	MW-14R
CONSTITUENT	Nov-00	Nov-01	Sep-02	Oct-06	Oct-07	Oct-09	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.1	<5.0	<0.85	4.2J	1.5J	<0.45	<50	<60	<60	<65
4-Chloroaniline	<1.5	<3.0	<3.5	<1.0	<0.46	<1.1	<0.35	<0.42	<0.42	<3.9
1,2-Dichlorobenzene	<2.4	<0.61	<1.3	<7.0	<0.31	<0.28	<0.41	<0.49	1.4 J	<0.99
1,4-Dichlorobenzene	<3.0	<0.57	<1.2	<4.9	<0.48	<0.33	<0.49	<0.59	<0.59	<0.64
4-Methylphenol	<6.8	<1.3	<3.3	<1.4	<0.73	<0.17	<3	<3.6	<3.6	<3.9
2-Nitroaniline	<3.0	<3.0	<1.0	<8.1	<0.47	<0.16	<4.4	<5.3	<5.3	<5.7
4-Nitroaniline	<2.4	<4.0	<1.1	<12	<0.25	<0.22	<0.47	<0.56	<0.56	<3.8
Nitrobenzene	<3.5	<0.58	<1.4	<2.2	<0.63	<0.17	<4	<4.8	<4.8	<5.2
Pentachlorophenol	<4.3	<1.8	<0.77	<20	<0.82	<1.8	<6.8	<8.1	<8.1	<8.8
Phenol	<3.1	<0.80	<1.9	<2.6	<0.22	<0.23	<3.9	<4.7	<4.7	<5.1

MW-2-1 - Screen Elevation (ft-msl) =

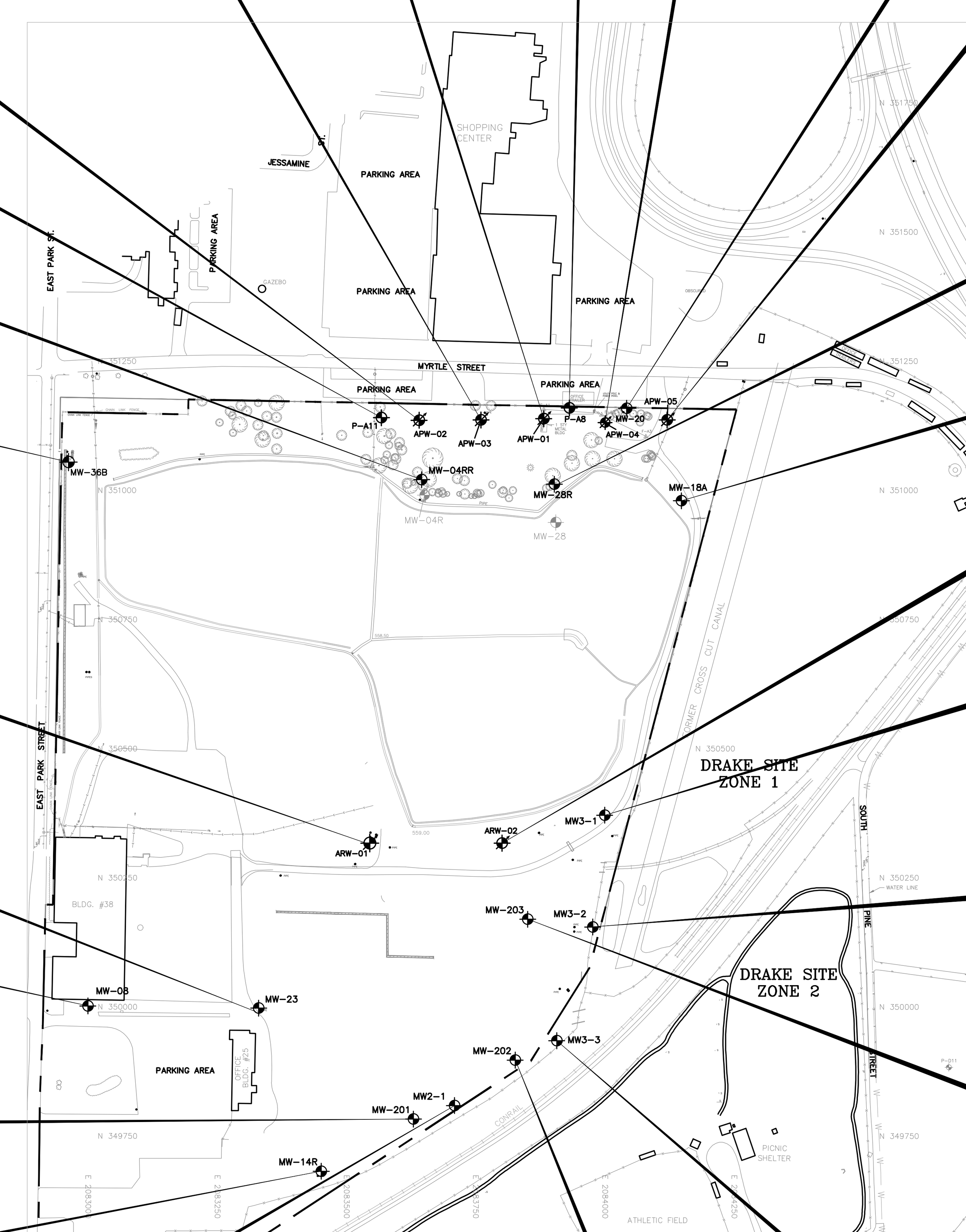
	MW-2-1	MW-2-1	MW-2-1	MW-2-1	MW-2-1	MW-2-1	MW-2-1
CONSTITUENT	Sep-17	Dec-17	Oct-18	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<19	<18	<44	<50	<60	<62	<62
4-Chloroaniline	<0.48	<0.46	<0.42	<0.35	<0.42	<0.44	<3.8
1,2-Dichlorobenzene	<0.52	<0.5	<0.49	0.62 J	<0.49	<0.51	<0.95
1,4-Dichlorobenzene	<0.55	<0.53	<0.59	<0.49	<0.59	<0.61	<0.61
4-Methylphenol	<2.3	<2.2	<4	<3	<3.6	<3.7	<3.7
2-Nitroaniline	<2.2	<2.1	<2	<4.4	<5.3	<5.5	<5.5
4-Nitroaniline	<1.5	<1.4	<0.56	<0.47	<0.56	<0.58	<3.6
Nitrobenzene	<1.3	<1.2	<1.6	<4	<4.8	<5	<5
Pentachlorophenol	<2.6	<2.5	<2.3	<6.8	<8.1	<8.5	<8.5
Phenol	<2.9	<2.8	<0.94	<3.9	<4.7	<4.9	<4.9

MW-202 - Screen Elevation (ft-msl) = 541.12-531.12

	MW-202	MW-202	MW-202	MW-202	MW-202	MW-202	MW-202	MW-202	MW-202	MW-202
CONSTITUENT	Oct-15	Apr-16	Oct-16	Oct-17	Apr-18	Nov-18	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<4.2	<3.5	<4.1	<19	<44	<48	<50	<62	<60	<65
4-Chloroaniline	30	36	23	12	22	16	11	8.6 J	3 J	<3.9
1,2-Dichlorobenzene	120	63	75	64	40	51	72	55	28	20
1,4-Dichlorobenzene	31	24	23	18	13	14	13	12	7.4 J	6.1 J
4-Methylphenol	<2	<1.7	<1.9	<2.3	<4	<4.4	<3	<3.7	<3.6	<3.9
2-Nitroaniline	<6.5	<5.4	<6.2	<2.2	<2	<2.2	<4.4	<5.5	<5.3	<5.7
4-Nitroaniline	<7.4	<6.2	<7.2	<1.5	<0.56	<0.6	<0.47	<0.58	<0.56	<3.8
Nitrobenzene	<1.4	<1.2	<1.4	<1.3	<1.6	<1.7	<4	<5	<4.8	<5.2
Pentachlorophenol	<4.8	<4	<4.6	<2.6	<2.3	<2.5	<6.8	<8.5	<8.1	<8.8
Phenol	<0.53	<0.45	<0.51	<2.9	<0.94	<1	5.4 J	8.4 J	<4.7	<5.1

MW-3-3 - Screen Elevation (ft-msl) =

	MW-3-3	MW-3-3	MW-3-3	MW-3-3	MW-3-3	MW-3-3	MW-3-3
CONSTITUENT	Sep-17	Dec-17	Oct-18	Aug-19	Jul-20	Jul-21	Jul-22
Bis(2-ethylhexyl)phthalate	<19	<19	<44	<50	<60	<62	<65
4-Chloroaniline	38	31	73	62	33	29	<3.9
1,2-Dichlorobenzene	36	82	140	140	110	63	31
1,4-Dichlorobenzene	4.1 J	11	9.1 J	9.7	9.6	7.2 J	2.7 J
4-Methylphenol	<2.3	<2.3	<4	<3	<3.6	<3.7	<3.9
2-Nitroaniline	<2.2	<2.2	<2	<4.4	<5.3	<5.5	<5.7
4-Nitroaniline	<1.5	<1.5	<0.56	<0.47	<0.56	<0.58	<3.8
Nitrobenzene	<1.3	<1.3	2.9 J	<4	<4.8	<5	<5.2
Pentachlorophenol	<2.6	<2.6	<2.3	<6.8	<8.1	<8.5	<8.8
Phenol	<2.9	<2.9	<0.94	<3.9	<4.7	<4.9	45



LEGEND

EXISTING TREELINES
EXISTING TREE
RAILROAD TRACKS
FENCE LINE
STREAMS, RIVERBANK
UTILITY POLE
LIGHT STANDARD
ACC FACILITY BOUNDARY
EXISTING STRUCTURE
EXISTING TANK
P-A9 GROUNDWATER PIEZOMETER/MONITORING WELL LOCATION
MW-04R FORMER GROUNDWATER MONITORING WELL LOCATION
APW-03 RECOVERY WELL LOCATION
EXISTING CATCH BASIN
EXISTING GUIDE RAIL
[75] BRACKETED CONCENTRATION INDICATES EXCEEDANCE OF MEDIA CLEANUP STANDARD

N

NOTES:

J = ESTIMATED CONCENTRATION LESS THAN DETECTION LIMIT

B = METHOD BLANK CONTAMINATION. THE ASSOCIATED METHOD BLANK CONTAINS THE TARGET ANALYTE AT A REPORTABLE LEVEL.

E = DETECTED CONCENTRATION EXCEEDS CALIBRATION RANGE

ug/l = MICROGRAMS PER LITER

ft-msl = FEET ABOVE SEA LEVEL

SVOC's = SEMI-VOLATILE ORGANIC COMPOUNDS

NS = NOT SAMPLED DUE TO WELL BEING DRY

MEDIA CLEANUP STANDARDS

CONSTITUENT	UNITS	MEDIA CLEANUP STANDARD	CURRENT USEPA MCL
Bis(2-ethylhexyl)phthalate	(ug/l)	6	6
4-Chloroaniline	(ug/l)	150	-
1,2-Dichlorobenzene	(ug/l)	600	600
1,4-Dichlorobenzene	(ug/l)	75	75
4-Methylphenol	(ug/l)	180	-
2-Nitroaniline	(ug/l)	2.2	-
4-Nitroaniline	(ug/l)	110	-
Nitrobenzene	(ug/l)	3.4	-
Pentachlorophenol	(ug/l)	1	1
Phenol	(ug/l)	22000	22000

– USEPA MCL (USEPA, 2009) PRESENTED FOR INFORMATIONAL PURPOSES

0 240 480 FEET

AMERICAN COLOR & CHEMICAL, L.L.C.
LOCK HAVEN, PENNSYLVANIA

DRWN:	KLC	DATE:	03/15/23
CHKD:	TSA	DATE:	03/15/23
APPD:	AMG	DATE:	03/15/23
SCALE:	AS SHOWN		

KEY ENVIRONMENTAL INCORPORATED

2023 FIRST QUARTER PROGRESS REPORT
AMERICAN COLOR & CHEMICAL, L.L.C. FACILITY
LOCK HAVEN, PENNSYLVANIA

COMPARISON OF ANALYTICAL MONITORING DATA TO MEDIA CLEANUP STANDARDS (SVOCs)

PROJECT NO: 22-401

FIGURE 2B

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

REV #	DATE	DESCRIPTION	APPD
1			

REFERENCE: ADR MAPPING, MAY 1995, PLANIMETRICS AND TOPOGRAPHY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, MAY 1995, SITE SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, OCTOBER 1997, PLAN OF SURVEY.
MARTONE AND ASSOCIATES, ENGINEERS AND SURVEYORS, NOVEMBER 2000, AS-BUILT SURVEY.
NOTE: QUARTERLY GROUNDWATER SAMPLING DATA NOT DEPICTED ON THIS FIGURE CAN BE FOUND IN PREVIOUS QUARTERLY REPORTS.

y:\acc_2003\2023 quarterly\acc-drake 1st quarter\figure 2b svoc.dwg Last Saved By: Kchintella 3/17/2023 8:25 AM Plotted By: Kendra L. Chintella 3/17/2023 8:27 AM Scale: 1:1

ATTACHMENT A

LABORATORY DATA REPORTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Angie Gatchie
Key Environmental, Inc
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 2/23/2023 7:26:54 PM

JOB DESCRIPTION

ACC

JOB NUMBER

180-151719-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the 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. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

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2/23/2023 7:26:54 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-151719-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-151719-1

Comments
No additional comments.

Receipt
The samples were received on 2/8/2023 2:29 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8º C and 3.0º C.

GC/MS VOA
Methods 8260C, 8260D: Surrogate recovery for the following sample was outside control limits: ALREP020723 (180-151719-7). Evidence of matrix interference is present; therefore, re-analysis was not performed.

Methods 8260C, 8260D: Surrogate recovery for LCSD recovered high for 4-Bromofluorobenzene. Samples recovered this surrogate with QC criteria. (LCSD 180-426114/4)

Methods 8260C LL, 8260D: The continuing calibration verification (CCV) analyzed in 180-426114 was outside the method criteria for the following analyte(s): 2-Hexanone (HIGH). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-426114 was outside the method criteria for the following analyte(s): Bromomethane, Chloroethane, Chloromethane and Methylene Chloride (LOW). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: ALAPW02020723 (180-151719-2), ALAPW01020723 (180-151719-3), ALAPW04020723 (180-151719-4) and ALAPW03020723 (180-151719-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-426114 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-426637 was outside the method criteria for the following analyte(s): 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 180-426637 was outside the method criteria for the following analyte(s): 2-Butanone, Carbon tetrachloride, Bromomethane and Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Chlorobenzene was off scale high in the following sample but was reported as the secondary results. ALARW01020723 (180-151719-11)

Method 8260D: Chlorobenzene and Toluene were off scale high in the following sample but were reported as the secondary results. ALARW02020723 (180-151719-10)

Method 8260D: Surrogate recovery for the following sample was outside control limits: ALARW02020723 (180-151719-10). Evidence of matrix interference due to high target analytes is present. Re-analysis would be performed following the 10X rule.

Method 8260D: The following samples were diluted following the 10X rule: ALARW02020723 (180-151719-10) and ALARW01020723 (180-151719-11). Elevated reporting limits (RLs) are provided.

Job ID: 180-151719-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 8260D: The laboratory control sample (LCS) for analytical batch 180-426739 recovered outside control limits for the following analytes: Bromomethane, Carbon tetrachloride and Chloroform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: Surrogate recovery for the following samples were outside control limits for Dibromofluoromethane: ALREP020723 (180-151719-7) and ALARW01020723 (180-151719-11). Evidence of matrix interference is present and the data of the target compounds were consistent with the analysis at the 10X dilution; therefore, re-analysis was not performed.

Method 8260D: The continuing calibration verification (CCV) analyzed in 180-426739 was outside the method criteria for the following analyte(s): Carbon tetrachloride, Chloroethane, Bromomethane and Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-426739 was outside the method criteria for the following analyte(s): 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: ALDUP020723 (180-151719-6), ALREP020723 (180-151719-7) and ALARW01020723 (180-151719-11). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALARW02020723 (180-151719-10). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) analyzed in 180-426933 was outside the method criteria for the following analyte(s): Chloroethane and Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-426933 was outside the method criteria for the following analyte(s): 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Ethylbenzene and Styrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 180-426664 recovered above the upper control limit for Butyl benzyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-426664/3).

Method 8270E: The following samples were diluted to bring the concentration of target analytes within the calibration range: ALAPW01020723 (180-151719-3), ALAPW04020723 (180-151719-4), ALAPW04020723 (180-151719-4[MS]), ALAPW04020723 (180-151719-4[MSD]), ALAPW03020723 (180-151719-5), ALDUP020723 (180-151719-6) and ALREP020723 (180-151719-7). Elevated reporting limits (RLs) are provided.

Method 8270E: The following samples were diluted due to AN abundance of target analytes: ALARW02020723 (180-151719-10) and ALARW01020723 (180-151719-11). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270E: Surrogate recovery for the following samples were outside control limits: ALAPW04020723 (180-151719-4), ALAPW04020723 (180-151719-4[MS]) and ALAPW04020723 (180-151719-4[MSD]). Evidence of matrix interferences is not obvious but the sample, MS and MSD confirm.

Job ID: 180-151719-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 8270E: The laboratory control sample(LCS) for preparation batch 180-426187 and analytical batch 180-426664 recovered outside control limits for the following analyte: 2,4-Dimethylphenol. 2,4-Dimethylphenol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: Surrogate recovery for the following sample was outside control limits: ALAPW01020723 (180-151719-3). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: Surrogate recovery for the following sample was outside control limits: ALAPW05020723 (180-151719-1). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: The following samples were diluted due to an abundance of target analytes: ALAPW01020723 (180-151719-3), ALAPW04020723 (180-151719-4) and ALAPW03020723 (180-151719-5). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270E: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALAPW05020723 (180-151719-1). Elevated reporting limits (RLs) are provided.

Method 8270E: Surrogate recovery for the following sample was outside control limits: ALAPW05020723 (180-151719-1). Evidence of matrix interference due to high target analytes is present and the sample was analyzed at a 10x dilution; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: The continuing calibration verification (CCV) associated with batch 180-426659 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane] and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-426659/3).

Method 8270E: The following samples were diluted due to an abundance of target analytes: ALREP020723 (180-151719-7) and ALARW01020723 (180-151719-11). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270E: The continuing calibration verification (CCV) associated with batch 180-426692 recovered above the upper control limit for 4-Nitrophenol and Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-426692/3).

Method 8270E: Surrogate recovery for the following sample was outside control limits: ALARW02020723 (180-151719-10). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALARW02020723 (180-151719-10). Elevated reporting limits (RLs) are provided.

Method 8270E: The continuing calibration verification (CCV) associated with batch 180-426932 recovered above the upper control limit for Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-426932/3).

Method 8270E: The following samples were diluted due to an abundance of target analytes: ALAPW02020723 (180-151719-2) and ALDUP020723 (180-151719-6). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
E	Result exceeded calibration range.
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^c	CCV Recovery 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.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
FH	MS and/or MSD recovery above control limits.
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Laboratory: Eurofins Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-23

Sample Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-151719-1	ALAPW05020723	Water	02/07/23 09:00	02/08/23 14:29
180-151719-2	ALAPW02020723	Water	02/07/23 09:45	02/08/23 14:29
180-151719-3	ALAPW01020723	Water	02/07/23 10:30	02/08/23 14:29
180-151719-4	ALAPW04020723	Water	02/07/23 11:05	02/08/23 14:29
180-151719-5	ALAPW03020723	Water	02/07/23 11:40	02/08/23 14:29
180-151719-6	ALDUP020723	Water	02/07/23 00:00	02/08/23 14:29
180-151719-7	ALREP020723	Water	02/07/23 00:00	02/08/23 14:29
180-151719-8	ALEQUIP020723	Water	02/07/23 11:50	02/08/23 14:29
180-151719-9	ALTRIP020723	Water	02/07/23 12:15	02/08/23 14:29
180-151719-10	ALARW02020723	Water	02/07/23 12:30	02/08/23 14:29
180-151719-11	ALARW01020723	Water	02/07/23 13:00	02/08/23 14:29

Method Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT

Protocol References:

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW05020723

Lab Sample ID: 180-151719-1

Date Collected: 02/07/23 09:00

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 17:43	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C	DL		230 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	10	1 mL	1 mL	426659	02/17/23 21:47	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			230 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	426664	02/17/23 16:04	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: ALAPW02020723

Lab Sample ID: 180-151719-2

Date Collected: 02/07/23 09:45

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 18:04	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	30	5 mL	5 mL	426114	02/13/23 19:26	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	426664	02/17/23 16:25	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	50	1 mL	1 mL	426932	02/21/23 09:00	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: ALAPW01020723

Lab Sample ID: 180-151719-3

Date Collected: 02/07/23 10:30

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 18:25	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	100	5 mL	5 mL	426114	02/13/23 17:41	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C	DL		250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	75	1 mL	1 mL	426659	02/17/23 22:30	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		5	1 mL	1 mL	426664	02/17/23 16:47	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW04020723

Lab Sample ID: 180-151719-4

Date Collected: 02/07/23 11:05

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 18:46	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	100	5 mL	5 mL	426114	02/13/23 18:02	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C	DL		240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	40	1 mL	1 mL	426659	02/17/23 22:51	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		3	1 mL	1 mL	426664	02/17/23 17:08	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: ALAPW03020723

Lab Sample ID: 180-151719-5

Date Collected: 02/07/23 11:40

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 19:07	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	100	5 mL	5 mL	426114	02/13/23 18:23	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C	DL		260 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	75	1 mL	1 mL	426659	02/17/23 23:13	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			260 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		5	1 mL	1 mL	426664	02/17/23 18:13	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: ALDUP020723

Lab Sample ID: 180-151719-6

Date Collected: 02/07/23 00:00

Matrix: Water

Date Received: 02/08/23 14:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 19:28	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	25	5 mL	5 mL	426739	02/19/23 02:38	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Prep	3520C			240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		5	1 mL	1 mL	426664	02/17/23 18:34	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	50	1 mL	1 mL	426932	02/21/23 09:21	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 19:49	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	25	5 mL	5 mL	426739	02/19/23 03:02	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Prep	3520C			250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		5	1 mL	1 mL	426664	02/17/23 18:56	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	75	1 mL	1 mL	426692	02/17/23 22:35	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: ALEQUIP020723
Date Collected: 02/07/23 11:50
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 17:22	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			240 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	426664	02/17/23 19:17	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: ALTRIP020723
Date Collected: 02/07/23 12:15
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	425898	02/10/23 17:01	PJJ	EET PIT
	Instrument ID: CHHP11									

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		20	5 mL	5 mL	426637	02/18/23 00:01	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Analysis	EPA 8260D	DL	1000	5 mL	5 mL	426933	02/21/23 15:37	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Prep	3520C	DL		250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	25	1 mL	1 mL	426664	02/17/23 19:39	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C			250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		2	1 mL	1 mL	426818	02/20/23 13:09	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALARW01020723

Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		20	5 mL	5 mL	426637	02/17/23 23:37	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Analysis	EPA 8260D	DL	500	5 mL	5 mL	426739	02/19/23 02:15	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Prep	3520C			250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		30	1 mL	1 mL	426664	02/17/23 20:01	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		250 mL	2.5 mL	426187	02/14/23 02:01	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	600	1 mL	1 mL	426692	02/17/23 23:19	VVP	EET PIT
	Instrument ID: CHMSD7									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

BJT = Bill Trout

Batch Type: Analysis

J1T = Jianwu Tang

PJJ = Patrick Journet

VVP = Vincent Piccolino

Client Sample ID: ALAPW05020723
Date Collected: 02/07/23 09:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-1
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 17:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 17:43	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 17:43	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 17:43	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 17:43	1
1,2-Dichloroethane	**16**		5.0	1.5	ug/L			02/10/23 17:43	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 17:43	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 17:43	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 17:43	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 17:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 17:43	1
Acetone	ND		20	5.5	ug/L			02/10/23 17:43	1
Benzene	**27**		5.0	2.0	ug/L			02/10/23 17:43	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 17:43	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 17:43	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 17:43	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 17:43	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/10/23 17:43	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 17:43	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 17:43	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 17:43	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 17:43	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 17:43	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 17:43	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 17:43	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 17:43	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 17:43	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 17:43	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 17:43	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 17:43	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 17:43	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 17:43	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*02/10/23 17:43*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 118*		*02/10/23 17:43*	*1*
Dibromofluoromethane (Surr)	*81*		*60 - 132*		*02/10/23 17:43*	*1*
Toluene-d8 (Surr)	*104*		*53 - 124*		*02/10/23 17:43*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		2.1	1.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
1,2,4-Trichlorobenzene	ND		11	1.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
1,2-Dichlorobenzene	**740**	**E**	11	1.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
1,3-Dichlorobenzene	**3.5**	**J**	11	1.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
1,4-Dichlorobenzene	**26**		11	0.66	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,4,5-Trichlorophenol	ND		11	2.7	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,4,6-Trichlorophenol	ND		11	2.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,4-Dichlorophenol	ND		2.1	0.55	ug/L		02/14/23 02:01	02/17/23 16:04	1

Client Sample ID: ALAPW05020723
Date Collected: 02/07/23 09:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-1
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	*-	11	1.8	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,4-Dinitrophenol	ND		110	17	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,4-Dinitrotoluene	ND		11	3.8	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,6-Dinitrotoluene	ND		11	1.9	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Chloronaphthalene	ND		2.1	0.64	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Chlorophenol	**1.9**	**J**	11	1.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Methylnaphthalene	ND		2.1	0.67	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Methylphenol	ND		11	3.3	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Nitroaniline	ND		54	6.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
2-Nitrophenol	ND		11	2.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
3,3'-Dichlorobenzidine	ND		11	6.3	ug/L		02/14/23 02:01	02/17/23 16:04	1
3-Nitroaniline	ND		54	4.8	ug/L		02/14/23 02:01	02/17/23 16:04	1
4,6-Dinitro-2-methylphenol	ND		54	16	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Bromophenyl phenyl ether	ND		11	3.5	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Chloro-3-methylphenol	ND		11	3.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Chloroaniline	ND		11	4.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Chlorophenyl phenyl ether	ND		11	2.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Nitroaniline	ND		54	3.9	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Nitrophenol	ND		54	10	ug/L		02/14/23 02:01	02/17/23 16:04	1
Acenaphthene	ND		2.1	0.71	ug/L		02/14/23 02:01	02/17/23 16:04	1
Anthracene	ND		2.1	0.53	ug/L		02/14/23 02:01	02/17/23 16:04	1
Benzo[a]anthracene	ND		2.1	0.82	ug/L		02/14/23 02:01	02/17/23 16:04	1
Benzo[a]pyrene	ND		2.1	0.58	ug/L		02/14/23 02:01	02/17/23 16:04	1
Benzo[g,h,i]perylene	ND		2.1	0.75	ug/L		02/14/23 02:01	02/17/23 16:04	1
Benzo[k]fluoranthene	ND		2.1	0.96	ug/L		02/14/23 02:01	02/17/23 16:04	1
Bis(2-chloroethoxy)methane	ND		11	1.7	ug/L		02/14/23 02:01	02/17/23 16:04	1
Bis(2-chloroethyl)ether	ND		2.1	0.43	ug/L		02/14/23 02:01	02/17/23 16:04	1
Bis(2-ethylhexyl) phthalate	ND		110	68	ug/L		02/14/23 02:01	02/17/23 16:04	1
Butyl benzyl phthalate	ND	^c	11	5.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
Carbazole	ND		2.1	0.55	ug/L		02/14/23 02:01	02/17/23 16:04	1
Chrysene	ND		2.1	0.88	ug/L		02/14/23 02:01	02/17/23 16:04	1
Dibenz(a,h)anthracene	ND		2.1	0.78	ug/L		02/14/23 02:01	02/17/23 16:04	1
Dibenzofuran	ND		11	2.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
Diethyl phthalate	ND		11	6.2	ug/L		02/14/23 02:01	02/17/23 16:04	1
Dimethyl phthalate	ND		11	2.2	ug/L		02/14/23 02:01	02/17/23 16:04	1
Di-n-butyl phthalate	**26**		11	8.1	ug/L		02/14/23 02:01	02/17/23 16:04	1
Di-n-octyl phthalate	ND		11	7.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
Fluoranthene	ND		2.1	0.65	ug/L		02/14/23 02:01	02/17/23 16:04	1
Fluorene	ND		2.1	0.75	ug/L		02/14/23 02:01	02/17/23 16:04	1
Hexachlorocyclopentadiene	ND		11	5.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
Hexachlorobenzene	ND		2.1	0.61	ug/L		02/14/23 02:01	02/17/23 16:04	1
Hexachlorobutadiene	ND		2.1	0.75	ug/L		02/14/23 02:01	02/17/23 16:04	1
Hexachloroethane	ND		11	1.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.92	ug/L		02/14/23 02:01	02/17/23 16:04	1
Isophorone	ND		11	2.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
Naphthalene	ND		2.1	0.64	ug/L		02/14/23 02:01	02/17/23 16:04	1
Nitrobenzene	ND		22	5.4	ug/L		02/14/23 02:01	02/17/23 16:04	1
N-Nitrosodi-n-propylamine	ND		2.1	0.77	ug/L		02/14/23 02:01	02/17/23 16:04	1
N-Nitrosodiphenylamine	ND		11	1.3	ug/L		02/14/23 02:01	02/17/23 16:04	1

Client Sample ID: ALAPW05020723
Date Collected: 02/07/23 09:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-1
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		54	9.2	ug/L		02/14/23 02:01	02/17/23 16:04	1
Phenanthrene	ND		2.1	0.60	ug/L		02/14/23 02:01	02/17/23 16:04	1
Phenol	ND		11	5.3	ug/L		02/14/23 02:01	02/17/23 16:04	1
Pyrene	ND		2.1	0.59	ug/L		02/14/23 02:01	02/17/23 16:04	1
Acenaphthylene	ND		2.1	0.71	ug/L		02/14/23 02:01	02/17/23 16:04	1
4-Methylphenol	ND		11	4.0	ug/L		02/14/23 02:01	02/17/23 16:04	1
2,2'-oxybis[1-chloropropane]	ND		2.1	0.63	ug/L		02/14/23 02:01	02/17/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*24*	*S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 16:04*	*1*
2-Fluorobiphenyl	*48*		*45 - 105*	*02/14/23 02:01*	*02/17/23 16:04*	*1*
2-Fluorophenol	*24*	*S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 16:04*	*1*
Nitrobenzene-d5	*30*	*S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 16:04*	*1*
Phenol-d5	*20*	*S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 16:04*	*1*
Terphenyl-d14	*43*		*28 - 125*	*02/14/23 02:01*	*02/17/23 16:04*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		21	11	ug/L		02/14/23 02:01	02/17/23 21:47	10
1,2,4-Trichlorobenzene	ND		110	14	ug/L		02/14/23 02:01	02/17/23 21:47	10
1,2-Dichlorobenzene	**810**		110	10	ug/L		02/14/23 02:01	02/17/23 21:47	10
1,3-Dichlorobenzene	ND		110	11	ug/L		02/14/23 02:01	02/17/23 21:47	10
1,4-Dichlorobenzene	**30**	**J**	110	6.6	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4,5-Trichlorophenol	ND		110	27	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4,6-Trichlorophenol	ND		110	24	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4-Dichlorophenol	ND		21	5.5	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4-Dimethylphenol	ND	*-	110	18	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4-Dinitrophenol	ND		1100	170	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,4-Dinitrotoluene	ND		110	38	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,6-Dinitrotoluene	ND		110	19	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Chloronaphthalene	ND		21	6.4	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Chlorophenol	ND		110	14	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Methylnaphthalene	ND		21	6.7	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Methylphenol	ND		110	33	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Nitroaniline	ND		540	60	ug/L		02/14/23 02:01	02/17/23 21:47	10
2-Nitrophenol	ND		110	21	ug/L		02/14/23 02:01	02/17/23 21:47	10
3,3'-Dichlorobenzidine	ND		110	63	ug/L		02/14/23 02:01	02/17/23 21:47	10
3-Nitroaniline	ND		540	48	ug/L		02/14/23 02:01	02/17/23 21:47	10
4,6-Dinitro-2-methylphenol	ND		540	160	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Bromophenyl phenyl ether	ND		110	35	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Chloro-3-methylphenol	ND		110	30	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Chloroaniline	ND		110	41	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Chlorophenyl phenyl ether	ND		110	24	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Nitroaniline	ND		540	39	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Nitrophenol	ND		540	100	ug/L		02/14/23 02:01	02/17/23 21:47	10
Acenaphthene	ND		21	7.1	ug/L		02/14/23 02:01	02/17/23 21:47	10
Anthracene	ND		21	5.3	ug/L		02/14/23 02:01	02/17/23 21:47	10
Benzo[a]anthracene	ND		21	8.2	ug/L		02/14/23 02:01	02/17/23 21:47	10
Benzo[a]pyrene	ND		21	5.8	ug/L		02/14/23 02:01	02/17/23 21:47	10
Benzo[g,h,i]perylene	ND		21	7.5	ug/L		02/14/23 02:01	02/17/23 21:47	10

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW05020723
Date Collected: 02/07/23 09:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-1
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		21	9.6	ug/L		02/14/23 02:01	02/17/23 21:47	10
Bis(2-chloroethoxy)methane	ND		110	17	ug/L		02/14/23 02:01	02/17/23 21:47	10
Bis(2-chloroethyl)ether	ND		21	4.3	ug/L		02/14/23 02:01	02/17/23 21:47	10
Bis(2-ethylhexyl) phthalate	ND		1100	680	ug/L		02/14/23 02:01	02/17/23 21:47	10
Butyl benzyl phthalate	ND		110	50	ug/L		02/14/23 02:01	02/17/23 21:47	10
Carbazole	ND		21	5.5	ug/L		02/14/23 02:01	02/17/23 21:47	10
Chrysene	ND		21	8.8	ug/L		02/14/23 02:01	02/17/23 21:47	10
Dibenz(a,h)anthracene	ND		21	7.8	ug/L		02/14/23 02:01	02/17/23 21:47	10
Dibenzofuran	ND		110	21	ug/L		02/14/23 02:01	02/17/23 21:47	10
Diethyl phthalate	ND		110	62	ug/L		02/14/23 02:01	02/17/23 21:47	10
Dimethyl phthalate	ND		110	22	ug/L		02/14/23 02:01	02/17/23 21:47	10
Di-n-butyl phthalate	ND		110	81	ug/L		02/14/23 02:01	02/17/23 21:47	10
Di-n-octyl phthalate	ND		110	74	ug/L		02/14/23 02:01	02/17/23 21:47	10
Fluoranthene	ND		21	6.5	ug/L		02/14/23 02:01	02/17/23 21:47	10
Fluorene	ND		21	7.5	ug/L		02/14/23 02:01	02/17/23 21:47	10
Hexachlorocyclopentadiene	ND		110	54	ug/L		02/14/23 02:01	02/17/23 21:47	10
Hexachlorobenzene	ND		21	6.1	ug/L		02/14/23 02:01	02/17/23 21:47	10
Hexachlorobutadiene	ND		21	7.5	ug/L		02/14/23 02:01	02/17/23 21:47	10
Hexachloroethane	ND		110	14	ug/L		02/14/23 02:01	02/17/23 21:47	10
Indeno[1,2,3-cd]pyrene	ND		21	9.2	ug/L		02/14/23 02:01	02/17/23 21:47	10
Isophorone	ND		110	20	ug/L		02/14/23 02:01	02/17/23 21:47	10
Naphthalene	ND		21	6.4	ug/L		02/14/23 02:01	02/17/23 21:47	10
Nitrobenzene	ND		220	54	ug/L		02/14/23 02:01	02/17/23 21:47	10
N-Nitrosodi-n-propylamine	ND		21	7.7	ug/L		02/14/23 02:01	02/17/23 21:47	10
N-Nitrosodiphenylamine	ND		110	13	ug/L		02/14/23 02:01	02/17/23 21:47	10
Pentachlorophenol	ND	^c	540	92	ug/L		02/14/23 02:01	02/17/23 21:47	10
Phenanthrene	ND		21	6.0	ug/L		02/14/23 02:01	02/17/23 21:47	10
Phenol	ND		110	53	ug/L		02/14/23 02:01	02/17/23 21:47	10
Pyrene	ND		21	5.9	ug/L		02/14/23 02:01	02/17/23 21:47	10
Acenaphthylene	ND		21	7.1	ug/L		02/14/23 02:01	02/17/23 21:47	10
4-Methylphenol	ND		110	40	ug/L		02/14/23 02:01	02/17/23 21:47	10
2,2'-oxybis[1-chloropropane]	ND	^c	21	6.3	ug/L		02/14/23 02:01	02/17/23 21:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*38*	*S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 21:47*	*10*
2-Fluorobiphenyl	*58*		*45 - 105*	*02/14/23 02:01*	*02/17/23 21:47*	*10*
2-Fluorophenol	*40*		*38 - 105*	*02/14/23 02:01*	*02/17/23 21:47*	*10*
Nitrobenzene-d5	*41*	*S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 21:47*	*10*
Phenol-d5	*37*	*S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 21:47*	*10*
Terphenyl-d14	*50*		*28 - 125*	*02/14/23 02:01*	*02/17/23 21:47*	*10*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW02020723
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-2
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 18:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 18:04	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 18:04	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 18:04	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 18:04	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 18:04	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 18:04	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 18:04	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 18:04	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 18:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 18:04	1
Acetone	ND		20	5.5	ug/L			02/10/23 18:04	1
Benzene	**3.1**	**J**	5.0	2.0	ug/L			02/10/23 18:04	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 18:04	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 18:04	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 18:04	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 18:04	1
Chlorobenzene	**300**	**E**	5.0	1.6	ug/L			02/10/23 18:04	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 18:04	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 18:04	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 18:04	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 18:04	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 18:04	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 18:04	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 18:04	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 18:04	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 18:04	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 18:04	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 18:04	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 18:04	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 18:04	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 18:04	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*02/10/23 18:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 118*		*02/10/23 18:04*	*1*
Dibromofluoromethane (Surr)	*80*		*60 - 132*		*02/10/23 18:04*	*1*
Toluene-d8 (Surr)	*98*		*53 - 124*		*02/10/23 18:04*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		150	75	ug/L			02/13/23 19:26	30
1,1,2,2-Tetrachloroethane	ND		150	90	ug/L			02/13/23 19:26	30
1,1,2-Trichloroethane	ND		150	72	ug/L			02/13/23 19:26	30
1,1-Dichloroethane	ND		150	54	ug/L			02/13/23 19:26	30
1,1-Dichloroethene	ND		150	86	ug/L			02/13/23 19:26	30
1,2-Dichloroethane	ND		150	44	ug/L			02/13/23 19:26	30
1,2-Dichloroethene, Total	ND		300	120	ug/L			02/13/23 19:26	30
1,2-Dichloropropane	ND		150	74	ug/L			02/13/23 19:26	30

Client Sample ID: ALAPW02020723
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-2
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		150	87	ug/L			02/13/23 19:26	30
2-Hexanone	ND	^c	150	130	ug/L			02/13/23 19:26	30
4-Methyl-2-pentanone (MIBK)	ND		150	56	ug/L			02/13/23 19:26	30
Acetone	ND		600	160	ug/L			02/13/23 19:26	30
Benzene	ND		150	59	ug/L			02/13/23 19:26	30
Bromoform	ND		150	78	ug/L			02/13/23 19:26	30
Bromomethane	ND	^c	150	130	ug/L			02/13/23 19:26	30
Carbon disulfide	ND		150	90	ug/L			02/13/23 19:26	30
Carbon tetrachloride	ND		150	99	ug/L			02/13/23 19:26	30
Chlorobenzene	**460**		150	47	ug/L			02/13/23 19:26	30
Dibromochloromethane	ND		150	72	ug/L			02/13/23 19:26	30
Chloroform	ND		150	63	ug/L			02/13/23 19:26	30
Chloromethane	ND	^c	150	120	ug/L			02/13/23 19:26	30
Chloroethane	ND	^c	150	78	ug/L			02/13/23 19:26	30
cis-1,3-Dichloropropene	ND		150	48	ug/L			02/13/23 19:26	30
Bromodichloromethane	ND		150	71	ug/L			02/13/23 19:26	30
Ethylbenzene	ND		150	65	ug/L			02/13/23 19:26	30
Methylene Chloride	ND	^c	150	120	ug/L			02/13/23 19:26	30
Styrene	ND		150	40	ug/L			02/13/23 19:26	30
Tetrachloroethene	ND		150	60	ug/L			02/13/23 19:26	30
Toluene	ND		150	51	ug/L			02/13/23 19:26	30
trans-1,3-Dichloropropene	ND		150	52	ug/L			02/13/23 19:26	30
Trichloroethene	ND		150	45	ug/L			02/13/23 19:26	30
Xylenes, Total	ND		300	130	ug/L			02/13/23 19:26	30
Vinyl chloride	ND		150	110	ug/L			02/13/23 19:26	30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*52 - 151*		*02/13/23 19:26*	*30*
4-Bromofluorobenzene (Surr)	*102*		*49 - 118*		*02/13/23 19:26*	*30*
Dibromofluoromethane (Surr)	*88*		*60 - 132*		*02/13/23 19:26*	*30*
Toluene-d8 (Surr)	*101*		*53 - 124*		*02/13/23 19:26*	*30*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		2.0	1.0	ug/L		02/14/23 02:01	02/17/23 16:25	1
1,2,4-Trichlorobenzene	ND		10	1.4	ug/L		02/14/23 02:01	02/17/23 16:25	1
1,2-Dichlorobenzene	**2700**	**E**	10	0.99	ug/L		02/14/23 02:01	02/17/23 16:25	1
1,3-Dichlorobenzene	**20**		10	1.0	ug/L		02/14/23 02:01	02/17/23 16:25	1
1,4-Dichlorobenzene	**150**		10	0.64	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4,5-Trichlorophenol	ND		10	2.6	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4,6-Trichlorophenol	ND		10	2.3	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4-Dichlorophenol	**1.7**	**J**	2.0	0.53	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4-Dimethylphenol	ND	*-	10	1.7	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4-Dinitrophenol	ND		100	16	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,4-Dinitrotoluene	ND		10	3.7	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,6-Dinitrotoluene	ND		10	1.8	ug/L		02/14/23 02:01	02/17/23 16:25	1
2-Chloronaphthalene	ND		2.0	0.61	ug/L		02/14/23 02:01	02/17/23 16:25	1
2-Chlorophenol	**11**		10	1.3	ug/L		02/14/23 02:01	02/17/23 16:25	1
2-Methylnaphthalene	ND		2.0	0.65	ug/L		02/14/23 02:01	02/17/23 16:25	1
2-Methylphenol	ND		10	3.1	ug/L		02/14/23 02:01	02/17/23 16:25	1

Client Sample ID: ALAPW02020723
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-2
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		52	5.7	ug/L		02/14/23 02:01	02/17/23 16:25	1
2-Nitrophenol	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 16:25	1
3,3'-Dichlorobenzidine	ND		10	6.1	ug/L		02/14/23 02:01	02/17/23 16:25	1
3-Nitroaniline	ND		52	4.6	ug/L		02/14/23 02:01	02/17/23 16:25	1
4,6-Dinitro-2-methylphenol	ND		52	15	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Bromophenyl phenyl ether	ND		10	3.3	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Chloro-3-methylphenol	ND		10	2.9	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Chloroaniline	ND		10	3.9	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Chlorophenyl phenyl ether	ND		10	2.3	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Nitroaniline	ND		52	3.8	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Nitrophenol	ND		52	9.8	ug/L		02/14/23 02:01	02/17/23 16:25	1
Acenaphthene	ND		2.0	0.68	ug/L		02/14/23 02:01	02/17/23 16:25	1
Anthracene	ND		2.0	0.51	ug/L		02/14/23 02:01	02/17/23 16:25	1
Benzo[a]anthracene	ND		2.0	0.78	ug/L		02/14/23 02:01	02/17/23 16:25	1
Benzo[a]pyrene	ND		2.0	0.55	ug/L		02/14/23 02:01	02/17/23 16:25	1
Benzo[g,h,i]perylene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 16:25	1
Benzo[k]fluoranthene	ND		2.0	0.92	ug/L		02/14/23 02:01	02/17/23 16:25	1
Bis(2-chloroethoxy)methane	ND		10	1.6	ug/L		02/14/23 02:01	02/17/23 16:25	1
Bis(2-chloroethyl)ether	ND		2.0	0.42	ug/L		02/14/23 02:01	02/17/23 16:25	1
Bis(2-ethylhexyl) phthalate	ND		100	65	ug/L		02/14/23 02:01	02/17/23 16:25	1
Butyl benzyl phthalate	ND	^c	10	4.8	ug/L		02/14/23 02:01	02/17/23 16:25	1
Carbazole	ND		2.0	0.53	ug/L		02/14/23 02:01	02/17/23 16:25	1
Chrysene	ND		2.0	0.84	ug/L		02/14/23 02:01	02/17/23 16:25	1
Dibenz(a,h)anthracene	ND		2.0	0.75	ug/L		02/14/23 02:01	02/17/23 16:25	1
Dibenzofuran	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 16:25	1
Diethyl phthalate	ND		10	5.9	ug/L		02/14/23 02:01	02/17/23 16:25	1
Dimethyl phthalate	ND		10	2.1	ug/L		02/14/23 02:01	02/17/23 16:25	1
Di-n-butyl phthalate	**16**		10	7.7	ug/L		02/14/23 02:01	02/17/23 16:25	1
Di-n-octyl phthalate	ND		10	7.1	ug/L		02/14/23 02:01	02/17/23 16:25	1
Fluoranthene	ND		2.0	0.63	ug/L		02/14/23 02:01	02/17/23 16:25	1
Fluorene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 16:25	1
Hexachlorocyclopentadiene	ND		10	5.2	ug/L		02/14/23 02:01	02/17/23 16:25	1
Hexachlorobenzene	ND		2.0	0.58	ug/L		02/14/23 02:01	02/17/23 16:25	1
Hexachlorobutadiene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 16:25	1
Hexachloroethane	ND		10	1.4	ug/L		02/14/23 02:01	02/17/23 16:25	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.89	ug/L		02/14/23 02:01	02/17/23 16:25	1
Isophorone	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 16:25	1
Naphthalene	ND		2.0	0.61	ug/L		02/14/23 02:01	02/17/23 16:25	1
Nitrobenzene	ND		21	5.2	ug/L		02/14/23 02:01	02/17/23 16:25	1
N-Nitrosodi-n-propylamine	ND		2.0	0.74	ug/L		02/14/23 02:01	02/17/23 16:25	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		02/14/23 02:01	02/17/23 16:25	1
Pentachlorophenol	ND		52	8.8	ug/L		02/14/23 02:01	02/17/23 16:25	1
Phenanthrene	ND		2.0	0.57	ug/L		02/14/23 02:01	02/17/23 16:25	1
Phenol	ND		10	5.1	ug/L		02/14/23 02:01	02/17/23 16:25	1
Pyrene	ND		2.0	0.56	ug/L		02/14/23 02:01	02/17/23 16:25	1
Acenaphthylene	ND		2.0	0.68	ug/L		02/14/23 02:01	02/17/23 16:25	1
4-Methylphenol	ND		10	3.9	ug/L		02/14/23 02:01	02/17/23 16:25	1
2,2'-oxybis[1-chloropropane]	ND		2.0	0.60	ug/L		02/14/23 02:01	02/17/23 16:25	1

Client Sample ID: ALAPW02020723
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*121*		*39 - 121*	*02/14/23 02:01*	*02/17/23 16:25*	*1*
2-Fluorobiphenyl	*92*		*45 - 105*	*02/14/23 02:01*	*02/17/23 16:25*	*1*
2-Fluorophenol	*85*		*38 - 105*	*02/14/23 02:01*	*02/17/23 16:25*	*1*
Nitrobenzene-d5	*96*		*45 - 106*	*02/14/23 02:01*	*02/17/23 16:25*	*1*
Phenol-d5	*79*		*38 - 105*	*02/14/23 02:01*	*02/17/23 16:25*	*1*
Terphenyl-d14	*103*		*28 - 125*	*02/14/23 02:01*	*02/17/23 16:25*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		99	51	ug/L		02/14/23 02:01	02/21/23 09:00	50
1,2,4-Trichlorobenzene	ND		520	68	ug/L		02/14/23 02:01	02/21/23 09:00	50
1,2-Dichlorobenzene	**4800**		520	49	ug/L		02/14/23 02:01	02/21/23 09:00	50
1,3-Dichlorobenzene	ND		520	52	ug/L		02/14/23 02:01	02/21/23 09:00	50
1,4-Dichlorobenzene	**180**	**J**	520	32	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4,5-Trichlorophenol	ND		520	130	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4,6-Trichlorophenol	ND		520	120	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4-Dichlorophenol	ND		99	27	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4-Dimethylphenol	ND	*-	520	87	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4-Dinitrophenol	ND		5200	800	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,4-Dinitrotoluene	ND		520	180	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,6-Dinitrotoluene	ND		520	90	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Chloronaphthalene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Chlorophenol	ND		520	67	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Methylnaphthalene	ND		99	32	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Methylphenol	ND		520	160	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Nitroaniline	ND		2600	290	ug/L		02/14/23 02:01	02/21/23 09:00	50
2-Nitrophenol	ND		520	100	ug/L		02/14/23 02:01	02/21/23 09:00	50
3,3'-Dichlorobenzidine	ND		520	300	ug/L		02/14/23 02:01	02/21/23 09:00	50
3-Nitroaniline	ND		2600	230	ug/L		02/14/23 02:01	02/21/23 09:00	50
4,6-Dinitro-2-methylphenol	ND		2600	770	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Bromophenyl phenyl ether	ND		520	170	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Chloro-3-methylphenol	ND		520	140	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Chloroaniline	ND		520	200	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Chlorophenyl phenyl ether	ND		520	120	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Nitroaniline	ND		2600	190	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Nitrophenol	ND		2600	490	ug/L		02/14/23 02:01	02/21/23 09:00	50
Acenaphthene	ND		99	34	ug/L		02/14/23 02:01	02/21/23 09:00	50
Anthracene	ND		99	26	ug/L		02/14/23 02:01	02/21/23 09:00	50
Benzo[a]anthracene	ND		99	39	ug/L		02/14/23 02:01	02/21/23 09:00	50
Benzo[a]pyrene	ND		99	28	ug/L		02/14/23 02:01	02/21/23 09:00	50
Benzo[g,h,i]perylene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:00	50
Benzo[k]fluoranthene	ND		99	46	ug/L		02/14/23 02:01	02/21/23 09:00	50
Bis(2-chloroethoxy)methane	ND		520	79	ug/L		02/14/23 02:01	02/21/23 09:00	50
Bis(2-chloroethyl)ether	ND		99	21	ug/L		02/14/23 02:01	02/21/23 09:00	50
Bis(2-ethylhexyl) phthalate	ND		5200	3200	ug/L		02/14/23 02:01	02/21/23 09:00	50
Butyl benzyl phthalate	ND		520	240	ug/L		02/14/23 02:01	02/21/23 09:00	50
Carbazole	ND		99	27	ug/L		02/14/23 02:01	02/21/23 09:00	50
Chrysene	ND		99	42	ug/L		02/14/23 02:01	02/21/23 09:00	50
Dibenz(a,h)anthracene	ND		99	38	ug/L		02/14/23 02:01	02/21/23 09:00	50
Dibenzofuran	ND		520	99	ug/L		02/14/23 02:01	02/21/23 09:00	50

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW02020723
Date Collected: 02/07/23 09:45
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-2
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		520	300	ug/L		02/14/23 02:01	02/21/23 09:00	50
Dimethyl phthalate	ND		520	100	ug/L		02/14/23 02:01	02/21/23 09:00	50
Di-n-butyl phthalate	ND		520	390	ug/L		02/14/23 02:01	02/21/23 09:00	50
Di-n-octyl phthalate	ND	^c	520	360	ug/L		02/14/23 02:01	02/21/23 09:00	50
Fluoranthene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:00	50
Fluorene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:00	50
Hexachlorocyclopentadiene	ND		520	260	ug/L		02/14/23 02:01	02/21/23 09:00	50
Hexachlorobenzene	ND		99	29	ug/L		02/14/23 02:01	02/21/23 09:00	50
Hexachlorobutadiene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:00	50
Hexachloroethane	ND		520	69	ug/L		02/14/23 02:01	02/21/23 09:00	50
Indeno[1,2,3-cd]pyrene	ND		99	44	ug/L		02/14/23 02:01	02/21/23 09:00	50
Isophorone	ND		520	98	ug/L		02/14/23 02:01	02/21/23 09:00	50
Naphthalene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:00	50
Nitrobenzene	ND		1000	260	ug/L		02/14/23 02:01	02/21/23 09:00	50
N-Nitrosodi-n-propylamine	ND		99	37	ug/L		02/14/23 02:01	02/21/23 09:00	50
N-Nitrosodiphenylamine	ND		520	62	ug/L		02/14/23 02:01	02/21/23 09:00	50
Pentachlorophenol	ND		2600	440	ug/L		02/14/23 02:01	02/21/23 09:00	50
Phenanthrene	ND		99	29	ug/L		02/14/23 02:01	02/21/23 09:00	50
Phenol	ND		520	250	ug/L		02/14/23 02:01	02/21/23 09:00	50
Pyrene	ND		99	28	ug/L		02/14/23 02:01	02/21/23 09:00	50
Acenaphthylene	ND		99	34	ug/L		02/14/23 02:01	02/21/23 09:00	50
4-Methylphenol	ND		520	190	ug/L		02/14/23 02:01	02/21/23 09:00	50
2,2'-oxybis[1-chloropropane]	ND		99	30	ug/L		02/14/23 02:01	02/21/23 09:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1- D*	*39 - 121*	*02/14/23 02:01*	*02/21/23 09:00*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*45 - 105*	*02/14/23 02:01*	*02/21/23 09:00*	*50*
2-Fluorophenol	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/21/23 09:00*	*50*
Nitrobenzene-d5	*0*	*S1- D*	*45 - 106*	*02/14/23 02:01*	*02/21/23 09:00*	*50*
Phenol-d5	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/21/23 09:00*	*50*
Terphenyl-d14	*0*	*S1- D*	*28 - 125*	*02/14/23 02:01*	*02/21/23 09:00*	*50*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW01020723

Date Collected: 02/07/23 10:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-3

Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 18:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 18:25	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 18:25	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 18:25	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 18:25	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 18:25	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 18:25	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 18:25	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 18:25	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 18:25	1
Acetone	ND		20	5.5	ug/L			02/10/23 18:25	1
Benzene	**25**		5.0	2.0	ug/L			02/10/23 18:25	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 18:25	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 18:25	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 18:25	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 18:25	1
Chlorobenzene	**710**	**E**	5.0	1.6	ug/L			02/10/23 18:25	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 18:25	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 18:25	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 18:25	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 18:25	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 18:25	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 18:25	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 18:25	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 18:25	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 18:25	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 18:25	1
Toluene	**2.3**	**J**	5.0	1.7	ug/L			02/10/23 18:25	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 18:25	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 18:25	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 18:25	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*52 - 151*		*02/10/23 18:25*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 118*		*02/10/23 18:25*	*1*
Dibromofluoromethane (Surr)	*80*		*60 - 132*		*02/10/23 18:25*	*1*
Toluene-d8 (Surr)	*103*		*53 - 124*		*02/10/23 18:25*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	250	ug/L			02/13/23 17:41	100
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			02/13/23 17:41	100
1,1,2-Trichloroethane	ND		500	240	ug/L			02/13/23 17:41	100
1,1-Dichloroethane	ND		500	180	ug/L			02/13/23 17:41	100
1,1-Dichloroethene	ND		500	290	ug/L			02/13/23 17:41	100
1,2-Dichloroethane	ND		500	150	ug/L			02/13/23 17:41	100
1,2-Dichloroethene, Total	ND		1000	400	ug/L			02/13/23 17:41	100
1,2-Dichloropropane	ND		500	250	ug/L			02/13/23 17:41	100

Client Sample ID: ALAPW01020723
Date Collected: 02/07/23 10:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	290	ug/L			02/13/23 17:41	100
2-Hexanone	ND	^c	500	420	ug/L			02/13/23 17:41	100
4-Methyl-2-pentanone (MIBK)	ND		500	190	ug/L			02/13/23 17:41	100
Acetone	ND		2000	550	ug/L			02/13/23 17:41	100
Benzene	ND		500	200	ug/L			02/13/23 17:41	100
Bromoform	ND		500	260	ug/L			02/13/23 17:41	100
Bromomethane	ND	^c	500	450	ug/L			02/13/23 17:41	100
Carbon disulfide	ND		500	300	ug/L			02/13/23 17:41	100
Carbon tetrachloride	ND		500	330	ug/L			02/13/23 17:41	100
Chlorobenzene	**1700**		500	160	ug/L			02/13/23 17:41	100
Dibromochloromethane	ND		500	240	ug/L			02/13/23 17:41	100
Chloroform	ND		500	210	ug/L			02/13/23 17:41	100
Chloromethane	ND	^c	500	390	ug/L			02/13/23 17:41	100
Chloroethane	ND	^c	500	260	ug/L			02/13/23 17:41	100
cis-1,3-Dichloropropene	ND		500	160	ug/L			02/13/23 17:41	100
Bromodichloromethane	ND		500	240	ug/L			02/13/23 17:41	100
Ethylbenzene	ND		500	220	ug/L			02/13/23 17:41	100
Methylene Chloride	ND	^c	500	390	ug/L			02/13/23 17:41	100
Styrene	ND		500	130	ug/L			02/13/23 17:41	100
Tetrachloroethene	ND		500	200	ug/L			02/13/23 17:41	100
Toluene	ND		500	170	ug/L			02/13/23 17:41	100
trans-1,3-Dichloropropene	ND		500	170	ug/L			02/13/23 17:41	100
Trichloroethene	ND		500	150	ug/L			02/13/23 17:41	100
Xylenes, Total	ND		1000	430	ug/L			02/13/23 17:41	100
Vinyl chloride	ND		500	370	ug/L			02/13/23 17:41	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*52 - 151*		*02/13/23 17:41*	*100*
4-Bromofluorobenzene (Surr)	*101*		*49 - 118*		*02/13/23 17:41*	*100*
Dibromofluoromethane (Surr)	*88*		*60 - 132*		*02/13/23 17:41*	*100*
Toluene-d8 (Surr)	*95*		*53 - 124*		*02/13/23 17:41*	*100*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.5	4.9	ug/L		02/14/23 02:01	02/17/23 16:47	5
1,2,4-Trichlorobenzene	ND		50	6.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
1,2-Dichlorobenzene	**5000**	**E**	50	4.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
1,3-Dichlorobenzene	**30**	**J**	50	5.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
1,4-Dichlorobenzene	**230**		50	3.1	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4,5-Trichlorophenol	ND		50	13	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4,6-Trichlorophenol	ND		50	11	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4-Dichlorophenol	ND		9.5	2.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4-Dimethylphenol	ND	*-	50	8.4	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4-Dinitrophenol	ND		500	77	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,4-Dinitrotoluene	ND		50	18	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,6-Dinitrotoluene	ND		50	8.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
2-Chloronaphthalene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
2-Chlorophenol	**14**	**J**	50	6.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
2-Methylnaphthalene	ND		9.5	3.1	ug/L		02/14/23 02:01	02/17/23 16:47	5
2-Methylphenol	ND		50	15	ug/L		02/14/23 02:01	02/17/23 16:47	5

Client Sample ID: ALAPW01020723
Date Collected: 02/07/23 10:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-3
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		250	27	ug/L		02/14/23 02:01	02/17/23 16:47	5
2-Nitrophenol	ND		50	9.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
3,3'-Dichlorobenzidine	ND		50	29	ug/L		02/14/23 02:01	02/17/23 16:47	5
3-Nitroaniline	ND		250	22	ug/L		02/14/23 02:01	02/17/23 16:47	5
4,6-Dinitro-2-methylphenol	ND		250	74	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Bromophenyl phenyl ether	ND		50	16	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Chloro-3-methylphenol	ND		50	14	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Chloroaniline	**520**		50	19	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Chlorophenyl phenyl ether	ND		50	11	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Nitroaniline	ND		250	18	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Nitrophenol	ND		250	47	ug/L		02/14/23 02:01	02/17/23 16:47	5
Acenaphthene	ND		9.5	3.3	ug/L		02/14/23 02:01	02/17/23 16:47	5
Anthracene	ND		9.5	2.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
Benzo[a]anthracene	ND		9.5	3.8	ug/L		02/14/23 02:01	02/17/23 16:47	5
Benzo[a]pyrene	ND		9.5	2.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
Benzo[g,h,i]perylene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
Benzo[k]fluoranthene	ND		9.5	4.4	ug/L		02/14/23 02:01	02/17/23 16:47	5
Bis(2-chloroethoxy)methane	ND		50	7.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
Bis(2-chloroethyl)ether	ND		9.5	2.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
Bis(2-ethylhexyl) phthalate	ND		500	310	ug/L		02/14/23 02:01	02/17/23 16:47	5
Butyl benzyl phthalate	ND	^c	50	23	ug/L		02/14/23 02:01	02/17/23 16:47	5
Carbazole	ND		9.5	2.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
Chrysene	ND		9.5	4.1	ug/L		02/14/23 02:01	02/17/23 16:47	5
Dibenz(a,h)anthracene	ND		9.5	3.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
Dibenzofuran	ND		50	9.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
Diethyl phthalate	ND		50	28	ug/L		02/14/23 02:01	02/17/23 16:47	5
Dimethyl phthalate	ND		50	10	ug/L		02/14/23 02:01	02/17/23 16:47	5
Di-n-butyl phthalate	ND		50	37	ug/L		02/14/23 02:01	02/17/23 16:47	5
Di-n-octyl phthalate	ND		50	34	ug/L		02/14/23 02:01	02/17/23 16:47	5
Fluoranthene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
Fluorene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
Hexachlorocyclopentadiene	ND		50	25	ug/L		02/14/23 02:01	02/17/23 16:47	5
Hexachlorobenzene	ND		9.5	2.8	ug/L		02/14/23 02:01	02/17/23 16:47	5
Hexachlorobutadiene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 16:47	5
Hexachloroethane	ND		50	6.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
Indeno[1,2,3-cd]pyrene	ND		9.5	4.3	ug/L		02/14/23 02:01	02/17/23 16:47	5
Isophorone	ND		50	9.4	ug/L		02/14/23 02:01	02/17/23 16:47	5
Naphthalene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
Nitrobenzene	ND		100	25	ug/L		02/14/23 02:01	02/17/23 16:47	5
N-Nitrosodi-n-propylamine	ND		9.5	3.6	ug/L		02/14/23 02:01	02/17/23 16:47	5
N-Nitrosodiphenylamine	ND		50	6.0	ug/L		02/14/23 02:01	02/17/23 16:47	5
Pentachlorophenol	ND		250	42	ug/L		02/14/23 02:01	02/17/23 16:47	5
Phenanthrene	ND		9.5	2.8	ug/L		02/14/23 02:01	02/17/23 16:47	5
Phenol	ND		50	24	ug/L		02/14/23 02:01	02/17/23 16:47	5
Pyrene	ND		9.5	2.7	ug/L		02/14/23 02:01	02/17/23 16:47	5
Acenaphthylene	ND		9.5	3.3	ug/L		02/14/23 02:01	02/17/23 16:47	5
4-Methylphenol	ND		50	19	ug/L		02/14/23 02:01	02/17/23 16:47	5
2,2'-oxybis[1-chloropropane]	ND		9.5	2.9	ug/L		02/14/23 02:01	02/17/23 16:47	5

Client Sample ID: ALAPW01020723
Date Collected: 02/07/23 10:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*39 - 121*	*02/14/23 02:01*	*02/17/23 16:47*	*5*
2-Fluorobiphenyl	*83*		*45 - 105*	*02/14/23 02:01*	*02/17/23 16:47*	*5*
2-Fluorophenol	*76*		*38 - 105*	*02/14/23 02:01*	*02/17/23 16:47*	*5*
Nitrobenzene-d5	*115*	*S1+*	*45 - 106*	*02/14/23 02:01*	*02/17/23 16:47*	*5*
Phenol-d5	*77*		*38 - 105*	*02/14/23 02:01*	*02/17/23 16:47*	*5*
Terphenyl-d14	*85*		*28 - 125*	*02/14/23 02:01*	*02/17/23 16:47*	*5*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		140	73	ug/L		02/14/23 02:01	02/17/23 22:30	75
1,2,4-Trichlorobenzene	ND		750	98	ug/L		02/14/23 02:01	02/17/23 22:30	75
1,2-Dichlorobenzene	**5100**		750	71	ug/L		02/14/23 02:01	02/17/23 22:30	75
1,3-Dichlorobenzene	ND		750	74	ug/L		02/14/23 02:01	02/17/23 22:30	75
1,4-Dichlorobenzene	**240**	**J**	750	46	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4,5-Trichlorophenol	ND		750	190	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4,6-Trichlorophenol	ND		750	170	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4-Dichlorophenol	ND		140	38	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4-Dimethylphenol	ND	*-	750	130	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4-Dinitrophenol	ND		7500	1100	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,4-Dinitrotoluene	ND		750	260	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,6-Dinitrotoluene	ND		750	130	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Chloronaphthalene	ND		140	44	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Chlorophenol	ND		750	97	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Methylnaphthalene	ND		140	47	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Methylphenol	ND		750	230	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Nitroaniline	ND		3800	410	ug/L		02/14/23 02:01	02/17/23 22:30	75
2-Nitrophenol	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:30	75
3,3'-Dichlorobenzidine	ND		750	440	ug/L		02/14/23 02:01	02/17/23 22:30	75
3-Nitroaniline	ND		3800	330	ug/L		02/14/23 02:01	02/17/23 22:30	75
4,6-Dinitro-2-methylphenol	ND		3800	1100	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Bromophenyl phenyl ether	ND		750	240	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Chloro-3-methylphenol	ND		750	210	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Chloroaniline	**420**	**J**	750	280	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Chlorophenyl phenyl ether	ND		750	170	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Nitroaniline	ND		3800	270	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Nitrophenol	ND		3800	710	ug/L		02/14/23 02:01	02/17/23 22:30	75
Acenaphthene	ND		140	49	ug/L		02/14/23 02:01	02/17/23 22:30	75
Anthracene	ND		140	37	ug/L		02/14/23 02:01	02/17/23 22:30	75
Benzo[a]anthracene	ND		140	56	ug/L		02/14/23 02:01	02/17/23 22:30	75
Benzo[a]pyrene	ND		140	40	ug/L		02/14/23 02:01	02/17/23 22:30	75
Benzo[g,h,i]perylene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:30	75
Benzo[k]fluoranthene	ND		140	66	ug/L		02/14/23 02:01	02/17/23 22:30	75
Bis(2-chloroethoxy)methane	ND		750	110	ug/L		02/14/23 02:01	02/17/23 22:30	75
Bis(2-chloroethyl)ether	ND		140	30	ug/L		02/14/23 02:01	02/17/23 22:30	75
Bis(2-ethylhexyl) phthalate	ND		7500	4700	ug/L		02/14/23 02:01	02/17/23 22:30	75
Butyl benzyl phthalate	ND		750	350	ug/L		02/14/23 02:01	02/17/23 22:30	75
Carbazole	ND		140	38	ug/L		02/14/23 02:01	02/17/23 22:30	75
Chrysene	ND		140	61	ug/L		02/14/23 02:01	02/17/23 22:30	75
Dibenz(a,h)anthracene	ND		140	54	ug/L		02/14/23 02:01	02/17/23 22:30	75
Dibenzofuran	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:30	75

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW01020723
Date Collected: 02/07/23 10:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-3
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		750	430	ug/L		02/14/23 02:01	02/17/23 22:30	75
Dimethyl phthalate	ND		750	150	ug/L		02/14/23 02:01	02/17/23 22:30	75
Di-n-butyl phthalate	ND		750	560	ug/L		02/14/23 02:01	02/17/23 22:30	75
Di-n-octyl phthalate	ND		750	510	ug/L		02/14/23 02:01	02/17/23 22:30	75
Fluoranthene	ND		140	45	ug/L		02/14/23 02:01	02/17/23 22:30	75
Fluorene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:30	75
Hexachlorocyclopentadiene	ND		750	370	ug/L		02/14/23 02:01	02/17/23 22:30	75
Hexachlorobenzene	ND		140	42	ug/L		02/14/23 02:01	02/17/23 22:30	75
Hexachlorobutadiene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:30	75
Hexachloroethane	ND		750	100	ug/L		02/14/23 02:01	02/17/23 22:30	75
Indeno[1,2,3-cd]pyrene	ND		140	64	ug/L		02/14/23 02:01	02/17/23 22:30	75
Isophorone	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:30	75
Naphthalene	ND		140	44	ug/L		02/14/23 02:01	02/17/23 22:30	75
Nitrobenzene	ND		1500	380	ug/L		02/14/23 02:01	02/17/23 22:30	75
N-Nitrosodi-n-propylamine	ND		140	53	ug/L		02/14/23 02:01	02/17/23 22:30	75
N-Nitrosodiphenylamine	ND		750	89	ug/L		02/14/23 02:01	02/17/23 22:30	75
Pentachlorophenol	ND	^c	3800	640	ug/L		02/14/23 02:01	02/17/23 22:30	75
Phenanthrene	ND		140	41	ug/L		02/14/23 02:01	02/17/23 22:30	75
Phenol	ND		750	370	ug/L		02/14/23 02:01	02/17/23 22:30	75
Pyrene	ND		140	41	ug/L		02/14/23 02:01	02/17/23 22:30	75
Acenaphthylene	ND		140	49	ug/L		02/14/23 02:01	02/17/23 22:30	75
4-Methylphenol	ND		750	280	ug/L		02/14/23 02:01	02/17/23 22:30	75
2,2'-oxybis[1-chloropropane]	ND	^c	140	44	ug/L		02/14/23 02:01	02/17/23 22:30	75

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 22:30*	*75*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 22:30*	*75*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:30*	*75*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 22:30*	*75*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:30*	*75*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 22:30*	*75*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW04020723
Date Collected: 02/07/23 11:05
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-4
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 18:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 18:46	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 18:46	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 18:46	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 18:46	1
1,2-Dichloroethane	**57**	**E**	5.0	1.5	ug/L			02/10/23 18:46	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 18:46	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 18:46	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 18:46	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 18:46	1
Acetone	ND		20	5.5	ug/L			02/10/23 18:46	1
Benzene	**40**		5.0	2.0	ug/L			02/10/23 18:46	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 18:46	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 18:46	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 18:46	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 18:46	1
Chlorobenzene	**710**	**E**	5.0	1.6	ug/L			02/10/23 18:46	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 18:46	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 18:46	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 18:46	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 18:46	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 18:46	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 18:46	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 18:46	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 18:46	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 18:46	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 18:46	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 18:46	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 18:46	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 18:46	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 18:46	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*02/10/23 18:46*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 118*		*02/10/23 18:46*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 132*		*02/10/23 18:46*	*1*
Toluene-d8 (Surr)	*105*		*53 - 124*		*02/10/23 18:46*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	250	ug/L			02/13/23 18:02	100
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			02/13/23 18:02	100
1,1,2-Trichloroethane	ND		500	240	ug/L			02/13/23 18:02	100
1,1-Dichloroethane	ND		500	180	ug/L			02/13/23 18:02	100
1,1-Dichloroethene	ND		500	290	ug/L			02/13/23 18:02	100
1,2-Dichloroethane	ND		500	150	ug/L			02/13/23 18:02	100
1,2-Dichloroethene, Total	ND		1000	400	ug/L			02/13/23 18:02	100
1,2-Dichloropropane	ND		500	250	ug/L			02/13/23 18:02	100

Client Sample ID: ALAPW04020723
Date Collected: 02/07/23 11:05
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-4
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	290	ug/L			02/13/23 18:02	100
2-Hexanone	ND	^c	500	420	ug/L			02/13/23 18:02	100
4-Methyl-2-pentanone (MIBK)	ND		500	190	ug/L			02/13/23 18:02	100
Acetone	ND	FL	2000	550	ug/L			02/13/23 18:02	100
Benzene	ND		500	200	ug/L			02/13/23 18:02	100
Bromoform	ND		500	260	ug/L			02/13/23 18:02	100
Bromomethane	ND	^c	500	450	ug/L			02/13/23 18:02	100
Carbon disulfide	ND		500	300	ug/L			02/13/23 18:02	100
Carbon tetrachloride	ND		500	330	ug/L			02/13/23 18:02	100
Chlorobenzene	**3400**		500	160	ug/L			02/13/23 18:02	100
Dibromochloromethane	ND		500	240	ug/L			02/13/23 18:02	100
Chloroform	ND		500	210	ug/L			02/13/23 18:02	100
Chloromethane	ND	^c	500	390	ug/L			02/13/23 18:02	100
Chloroethane	ND	^c	500	260	ug/L			02/13/23 18:02	100
cis-1,3-Dichloropropene	ND		500	160	ug/L			02/13/23 18:02	100
Bromodichloromethane	ND		500	240	ug/L			02/13/23 18:02	100
Ethylbenzene	ND		500	220	ug/L			02/13/23 18:02	100
Methylene Chloride	ND	^c	500	390	ug/L			02/13/23 18:02	100
Styrene	ND		500	130	ug/L			02/13/23 18:02	100
Tetrachloroethene	ND		500	200	ug/L			02/13/23 18:02	100
Toluene	ND		500	170	ug/L			02/13/23 18:02	100
trans-1,3-Dichloropropene	ND		500	170	ug/L			02/13/23 18:02	100
Trichloroethene	ND		500	150	ug/L			02/13/23 18:02	100
Xylenes, Total	ND		1000	430	ug/L			02/13/23 18:02	100
Vinyl chloride	ND		500	370	ug/L			02/13/23 18:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 151*		*02/13/23 18:02*	*100*
4-Bromofluorobenzene (Surr)	*109*		*49 - 118*		*02/13/23 18:02*	*100*
Dibromofluoromethane (Surr)	*95*		*60 - 132*		*02/13/23 18:02*	*100*
Toluene-d8 (Surr)	*102*		*53 - 124*		*02/13/23 18:02*	*100*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		5.9	3.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
1,2,4-Trichlorobenzene	ND		31	4.1	ug/L		02/14/23 02:01	02/17/23 17:08	3
1,2-Dichlorobenzene	**2900**	**E 4**	31	3.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
1,3-Dichlorobenzene	**18**	**J**	31	3.1	ug/L		02/14/23 02:01	02/17/23 17:08	3
1,4-Dichlorobenzene	**130**		31	1.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4,5-Trichlorophenol	ND		31	7.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4,6-Trichlorophenol	ND		31	7.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4-Dichlorophenol	ND		5.9	1.6	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4-Dimethylphenol	ND	*-	31	5.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4-Dinitrophenol	ND		310	48	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,4-Dinitrotoluene	ND		31	11	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,6-Dinitrotoluene	ND		31	5.4	ug/L		02/14/23 02:01	02/17/23 17:08	3
2-Chloronaphthalene	ND		5.9	1.8	ug/L		02/14/23 02:01	02/17/23 17:08	3
2-Chlorophenol	**23**	**J**	31	4.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
2-Methylnaphthalene	ND		5.9	1.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
2-Methylphenol	ND		31	9.4	ug/L		02/14/23 02:01	02/17/23 17:08	3

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW04020723
Date Collected: 02/07/23 11:05
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-4
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		160	17	ug/L		02/14/23 02:01	02/17/23 17:08	3
2-Nitrophenol	ND		31	6.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
3,3'-Dichlorobenzidine	ND		31	18	ug/L		02/14/23 02:01	02/17/23 17:08	3
3-Nitroaniline	ND		160	14	ug/L		02/14/23 02:01	02/17/23 17:08	3
4,6-Dinitro-2-methylphenol	ND		160	46	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Bromophenyl phenyl ether	ND		31	10	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Chloro-3-methylphenol	**29**	**J**	31	8.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Chloroaniline	**150**	**FL**	31	12	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Chlorophenyl phenyl ether	ND		31	6.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Nitroaniline	ND		160	11	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Nitrophenol	ND		160	29	ug/L		02/14/23 02:01	02/17/23 17:08	3
Acenaphthene	ND		5.9	2.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
Anthracene	ND		5.9	1.5	ug/L		02/14/23 02:01	02/17/23 17:08	3
Benzo[a]anthracene	ND		5.9	2.3	ug/L		02/14/23 02:01	02/17/23 17:08	3
Benzo[a]pyrene	ND		5.9	1.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
Benzo[g,h,i]perylene	ND		5.9	2.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
Benzo[k]fluoranthene	ND		5.9	2.8	ug/L		02/14/23 02:01	02/17/23 17:08	3
Bis(2-chloroethoxy)methane	ND		31	4.8	ug/L		02/14/23 02:01	02/17/23 17:08	3
Bis(2-chloroethyl)ether	ND		5.9	1.3	ug/L		02/14/23 02:01	02/17/23 17:08	3
Bis(2-ethylhexyl) phthalate	ND	FL	310	190	ug/L		02/14/23 02:01	02/17/23 17:08	3
Butyl benzyl phthalate	ND	FH ^c	31	14	ug/L		02/14/23 02:01	02/17/23 17:08	3
Carbazole	ND		5.9	1.6	ug/L		02/14/23 02:01	02/17/23 17:08	3
Chrysene	ND		5.9	2.5	ug/L		02/14/23 02:01	02/17/23 17:08	3
Dibenz(a,h)anthracene	ND		5.9	2.3	ug/L		02/14/23 02:01	02/17/23 17:08	3
Dibenzofuran	ND		31	5.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
Diethyl phthalate	ND		31	18	ug/L		02/14/23 02:01	02/17/23 17:08	3
Dimethyl phthalate	ND		31	6.3	ug/L		02/14/23 02:01	02/17/23 17:08	3
Di-n-butyl phthalate	ND	FH	31	23	ug/L		02/14/23 02:01	02/17/23 17:08	3
Di-n-octyl phthalate	ND		31	21	ug/L		02/14/23 02:01	02/17/23 17:08	3
Fluoranthene	ND		5.9	1.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
Fluorene	ND		5.9	2.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
Hexachlorocyclopentadiene	ND		31	16	ug/L		02/14/23 02:01	02/17/23 17:08	3
Hexachlorobenzene	ND		5.9	1.8	ug/L		02/14/23 02:01	02/17/23 17:08	3
Hexachlorobutadiene	ND		5.9	2.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
Hexachloroethane	ND		31	4.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
Indeno[1,2,3-cd]pyrene	ND		5.9	2.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
Isophorone	ND		31	5.9	ug/L		02/14/23 02:01	02/17/23 17:08	3
Naphthalene	ND		5.9	1.8	ug/L		02/14/23 02:01	02/17/23 17:08	3
Nitrobenzene	ND		63	16	ug/L		02/14/23 02:01	02/17/23 17:08	3
N-Nitrosodi-n-propylamine	ND		5.9	2.2	ug/L		02/14/23 02:01	02/17/23 17:08	3
N-Nitrosodiphenylamine	ND		31	3.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
Pentachlorophenol	ND		160	26	ug/L		02/14/23 02:01	02/17/23 17:08	3
Phenanthrene	ND		5.9	1.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
Phenol	ND		31	15	ug/L		02/14/23 02:01	02/17/23 17:08	3
Pyrene	ND		5.9	1.7	ug/L		02/14/23 02:01	02/17/23 17:08	3
Acenaphthylene	ND		5.9	2.0	ug/L		02/14/23 02:01	02/17/23 17:08	3
4-Methylphenol	ND		31	12	ug/L		02/14/23 02:01	02/17/23 17:08	3
2,2'-oxybis[1-chloropropane]	ND		5.9	1.8	ug/L		02/14/23 02:01	02/17/23 17:08	3

Client Sample ID: ALAPW04020723
Date Collected: 02/07/23 11:05
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*39 - 121*	*02/14/23 02:01*	*02/17/23 17:08*	*3*
2-Fluorobiphenyl	*80*		*45 - 105*	*02/14/23 02:01*	*02/17/23 17:08*	*3*
2-Fluorophenol	*77*		*38 - 105*	*02/14/23 02:01*	*02/17/23 17:08*	*3*
Nitrobenzene-d5	*111*	*S1+*	*45 - 106*	*02/14/23 02:01*	*02/17/23 17:08*	*3*
Phenol-d5	*77*		*38 - 105*	*02/14/23 02:01*	*02/17/23 17:08*	*3*
Terphenyl-d14	*100*		*28 - 125*	*02/14/23 02:01*	*02/17/23 17:08*	*3*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		79	40	ug/L		02/14/23 02:01	02/17/23 22:51	40
1,2,4-Trichlorobenzene	ND		420	55	ug/L		02/14/23 02:01	02/17/23 22:51	40
1,2-Dichlorobenzene	**3100**		420	39	ug/L		02/14/23 02:01	02/17/23 22:51	40
1,3-Dichlorobenzene	ND		420	41	ug/L		02/14/23 02:01	02/17/23 22:51	40
1,4-Dichlorobenzene	**140**	**J**	420	25	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4,5-Trichlorophenol	ND		420	110	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4,6-Trichlorophenol	ND		420	93	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4-Dichlorophenol	ND		79	21	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4-Dimethylphenol	ND	*-	420	70	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4-Dinitrophenol	ND		4200	640	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,4-Dinitrotoluene	ND		420	150	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,6-Dinitrotoluene	ND		420	72	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Chloronaphthalene	ND		79	25	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Chlorophenol	ND		420	54	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Methylnaphthalene	ND		79	26	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Methylphenol	ND		420	130	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Nitroaniline	ND		2100	230	ug/L		02/14/23 02:01	02/17/23 22:51	40
2-Nitrophenol	ND		420	80	ug/L		02/14/23 02:01	02/17/23 22:51	40
3,3'-Dichlorobenzidine	ND		420	240	ug/L		02/14/23 02:01	02/17/23 22:51	40
3-Nitroaniline	ND		2100	180	ug/L		02/14/23 02:01	02/17/23 22:51	40
4,6-Dinitro-2-methylphenol	ND		2100	610	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Bromophenyl phenyl ether	ND		420	130	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Chloro-3-methylphenol	ND		420	120	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Chloroaniline	ND		420	160	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Chlorophenyl phenyl ether	ND		420	92	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Nitroaniline	ND		2100	150	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Nitrophenol	ND		2100	390	ug/L		02/14/23 02:01	02/17/23 22:51	40
Acenaphthene	ND		79	27	ug/L		02/14/23 02:01	02/17/23 22:51	40
Anthracene	ND		79	20	ug/L		02/14/23 02:01	02/17/23 22:51	40
Benzo[a]anthracene	ND		79	31	ug/L		02/14/23 02:01	02/17/23 22:51	40
Benzo[a]pyrene	ND		79	22	ug/L		02/14/23 02:01	02/17/23 22:51	40
Benzo[g,h,i]perylene	ND		79	29	ug/L		02/14/23 02:01	02/17/23 22:51	40
Benzo[k]fluoranthene	ND		79	37	ug/L		02/14/23 02:01	02/17/23 22:51	40
Bis(2-chloroethoxy)methane	ND		420	63	ug/L		02/14/23 02:01	02/17/23 22:51	40
Bis(2-chloroethyl)ether	ND		79	17	ug/L		02/14/23 02:01	02/17/23 22:51	40
Bis(2-ethylhexyl) phthalate	ND		4200	2600	ug/L		02/14/23 02:01	02/17/23 22:51	40
Butyl benzyl phthalate	ND		420	190	ug/L		02/14/23 02:01	02/17/23 22:51	40
Carbazole	ND		79	21	ug/L		02/14/23 02:01	02/17/23 22:51	40
Chrysene	ND		79	34	ug/L		02/14/23 02:01	02/17/23 22:51	40
Dibenz(a,h)anthracene	ND		79	30	ug/L		02/14/23 02:01	02/17/23 22:51	40
Dibenzofuran	ND		420	79	ug/L		02/14/23 02:01	02/17/23 22:51	40

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW04020723
Date Collected: 02/07/23 11:05
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-4
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		420	240	ug/L		02/14/23 02:01	02/17/23 22:51	40
Dimethyl phthalate	ND		420	83	ug/L		02/14/23 02:01	02/17/23 22:51	40
Di-n-butyl phthalate	ND		420	310	ug/L		02/14/23 02:01	02/17/23 22:51	40
Di-n-octyl phthalate	ND		420	290	ug/L		02/14/23 02:01	02/17/23 22:51	40
Fluoranthene	ND		79	25	ug/L		02/14/23 02:01	02/17/23 22:51	40
Fluorene	ND		79	29	ug/L		02/14/23 02:01	02/17/23 22:51	40
Hexachlorocyclopentadiene	ND		420	210	ug/L		02/14/23 02:01	02/17/23 22:51	40
Hexachlorobenzene	ND		79	23	ug/L		02/14/23 02:01	02/17/23 22:51	40
Hexachlorobutadiene	ND		79	29	ug/L		02/14/23 02:01	02/17/23 22:51	40
Hexachloroethane	ND		420	55	ug/L		02/14/23 02:01	02/17/23 22:51	40
Indeno[1,2,3-cd]pyrene	ND		79	35	ug/L		02/14/23 02:01	02/17/23 22:51	40
Isophorone	ND		420	78	ug/L		02/14/23 02:01	02/17/23 22:51	40
Naphthalene	ND		79	25	ug/L		02/14/23 02:01	02/17/23 22:51	40
Nitrobenzene	ND		830	210	ug/L		02/14/23 02:01	02/17/23 22:51	40
N-Nitrosodi-n-propylamine	ND		79	30	ug/L		02/14/23 02:01	02/17/23 22:51	40
N-Nitrosodiphenylamine	ND		420	50	ug/L		02/14/23 02:01	02/17/23 22:51	40
Pentachlorophenol	ND	^c	2100	350	ug/L		02/14/23 02:01	02/17/23 22:51	40
Phenanthrene	ND		79	23	ug/L		02/14/23 02:01	02/17/23 22:51	40
Phenol	ND		420	200	ug/L		02/14/23 02:01	02/17/23 22:51	40
Pyrene	ND		79	23	ug/L		02/14/23 02:01	02/17/23 22:51	40
Acenaphthylene	ND		79	27	ug/L		02/14/23 02:01	02/17/23 22:51	40
4-Methylphenol	ND		420	160	ug/L		02/14/23 02:01	02/17/23 22:51	40
2,2'-oxybis[1-chloropropane]	ND	^c	79	24	ug/L		02/14/23 02:01	02/17/23 22:51	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 22:51*	*40*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 22:51*	*40*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:51*	*40*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 22:51*	*40*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:51*	*40*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 22:51*	*40*

Client Sample ID: ALAPW03020723
Date Collected: 02/07/23 11:40
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-5
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 19:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 19:07	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 19:07	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 19:07	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 19:07	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 19:07	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 19:07	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 19:07	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 19:07	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 19:07	1
Acetone	ND		20	5.5	ug/L			02/10/23 19:07	1
Benzene	**11**		5.0	2.0	ug/L			02/10/23 19:07	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 19:07	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 19:07	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 19:07	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 19:07	1
Chlorobenzene	**520**	**E**	5.0	1.6	ug/L			02/10/23 19:07	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 19:07	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 19:07	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 19:07	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 19:07	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 19:07	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 19:07	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 19:07	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 19:07	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 19:07	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 19:07	1
Toluene	**2.0**	**J**	5.0	1.7	ug/L			02/10/23 19:07	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 19:07	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 19:07	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 19:07	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*52 - 151*		*02/10/23 19:07*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 118*		*02/10/23 19:07*	*1*
Dibromofluoromethane (Surr)	*81*		*60 - 132*		*02/10/23 19:07*	*1*
Toluene-d8 (Surr)	*99*		*53 - 124*		*02/10/23 19:07*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	250	ug/L			02/13/23 18:23	100
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			02/13/23 18:23	100
1,1,2-Trichloroethane	ND		500	240	ug/L			02/13/23 18:23	100
1,1-Dichloroethane	ND		500	180	ug/L			02/13/23 18:23	100
1,1-Dichloroethene	ND		500	290	ug/L			02/13/23 18:23	100
1,2-Dichloroethane	ND		500	150	ug/L			02/13/23 18:23	100
1,2-Dichloroethene, Total	ND		1000	400	ug/L			02/13/23 18:23	100
1,2-Dichloropropane	ND		500	250	ug/L			02/13/23 18:23	100

Client Sample ID: ALAPW03020723
Date Collected: 02/07/23 11:40
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-5
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	290	ug/L			02/13/23 18:23	100
2-Hexanone	ND	^c	500	420	ug/L			02/13/23 18:23	100
4-Methyl-2-pentanone (MIBK)	ND		500	190	ug/L			02/13/23 18:23	100
Acetone	ND		2000	550	ug/L			02/13/23 18:23	100
Benzene	ND		500	200	ug/L			02/13/23 18:23	100
Bromoform	ND		500	260	ug/L			02/13/23 18:23	100
Bromomethane	ND	^c	500	450	ug/L			02/13/23 18:23	100
Carbon disulfide	ND		500	300	ug/L			02/13/23 18:23	100
Carbon tetrachloride	ND		500	330	ug/L			02/13/23 18:23	100
Chlorobenzene	**980**		500	160	ug/L			02/13/23 18:23	100
Dibromochloromethane	ND		500	240	ug/L			02/13/23 18:23	100
Chloroform	ND		500	210	ug/L			02/13/23 18:23	100
Chloromethane	ND	^c	500	390	ug/L			02/13/23 18:23	100
Chloroethane	ND	^c	500	260	ug/L			02/13/23 18:23	100
cis-1,3-Dichloropropene	ND		500	160	ug/L			02/13/23 18:23	100
Bromodichloromethane	ND		500	240	ug/L			02/13/23 18:23	100
Ethylbenzene	ND		500	220	ug/L			02/13/23 18:23	100
Methylene Chloride	ND	^c	500	390	ug/L			02/13/23 18:23	100
Styrene	ND		500	130	ug/L			02/13/23 18:23	100
Tetrachloroethene	ND		500	200	ug/L			02/13/23 18:23	100
Toluene	ND		500	170	ug/L			02/13/23 18:23	100
trans-1,3-Dichloropropene	ND		500	170	ug/L			02/13/23 18:23	100
Trichloroethene	ND		500	150	ug/L			02/13/23 18:23	100
Xylenes, Total	ND		1000	430	ug/L			02/13/23 18:23	100
Vinyl chloride	ND		500	370	ug/L			02/13/23 18:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*52 - 151*		*02/13/23 18:23*	*100*
4-Bromofluorobenzene (Surr)	*112*		*49 - 118*		*02/13/23 18:23*	*100*
Dibromofluoromethane (Surr)	*98*		*60 - 132*		*02/13/23 18:23*	*100*
Toluene-d8 (Surr)	*104*		*53 - 124*		*02/13/23 18:23*	*100*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		02/14/23 02:01	02/17/23 18:13	5
1,2,4-Trichlorobenzene	ND		48	6.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
1,2-Dichlorobenzene	**7000**	**E**	48	4.5	ug/L		02/14/23 02:01	02/17/23 18:13	5
1,3-Dichlorobenzene	**40**	**J**	48	4.8	ug/L		02/14/23 02:01	02/17/23 18:13	5
1,4-Dichlorobenzene	**340**		48	2.9	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4,5-Trichlorophenol	ND		48	12	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4,6-Trichlorophenol	ND		48	11	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4-Dimethylphenol	ND	*-	48	8.0	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4-Dinitrophenol	ND		480	74	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,4-Dinitrotoluene	ND		48	17	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,6-Dinitrotoluene	ND		48	8.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
2-Chloronaphthalene	ND		9.1	2.8	ug/L		02/14/23 02:01	02/17/23 18:13	5
2-Chlorophenol	**17**	**J**	48	6.2	ug/L		02/14/23 02:01	02/17/23 18:13	5
2-Methylnaphthalene	ND		9.1	3.0	ug/L		02/14/23 02:01	02/17/23 18:13	5
2-Methylphenol	ND		48	14	ug/L		02/14/23 02:01	02/17/23 18:13	5

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW03020723
Date Collected: 02/07/23 11:40
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-5
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		240	26	ug/L		02/14/23 02:01	02/17/23 18:13	5
2-Nitrophenol	ND		48	9.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
3,3'-Dichlorobenzidine	ND		48	28	ug/L		02/14/23 02:01	02/17/23 18:13	5
3-Nitroaniline	ND		240	21	ug/L		02/14/23 02:01	02/17/23 18:13	5
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Bromophenyl phenyl ether	ND		48	15	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Chloro-3-methylphenol	ND		48	13	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Chloroaniline	**200**		48	18	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Nitroaniline	ND		240	17	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Nitrophenol	ND		240	45	ug/L		02/14/23 02:01	02/17/23 18:13	5
Acenaphthene	ND		9.1	3.1	ug/L		02/14/23 02:01	02/17/23 18:13	5
Anthracene	ND		9.1	2.4	ug/L		02/14/23 02:01	02/17/23 18:13	5
Benzo[a]anthracene	ND		9.1	3.6	ug/L		02/14/23 02:01	02/17/23 18:13	5
Benzo[a]pyrene	ND		9.1	2.5	ug/L		02/14/23 02:01	02/17/23 18:13	5
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		02/14/23 02:01	02/17/23 18:13	5
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
Bis(2-chloroethyl)ether	ND		9.1	1.9	ug/L		02/14/23 02:01	02/17/23 18:13	5
Bis(2-ethylhexyl) phthalate	ND		480	300	ug/L		02/14/23 02:01	02/17/23 18:13	5
Butyl benzyl phthalate	ND	^c	48	22	ug/L		02/14/23 02:01	02/17/23 18:13	5
Carbazole	ND		9.1	2.5	ug/L		02/14/23 02:01	02/17/23 18:13	5
Chrysene	ND		9.1	3.9	ug/L		02/14/23 02:01	02/17/23 18:13	5
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		02/14/23 02:01	02/17/23 18:13	5
Dibenzofuran	ND		48	9.1	ug/L		02/14/23 02:01	02/17/23 18:13	5
Diethyl phthalate	ND		48	27	ug/L		02/14/23 02:01	02/17/23 18:13	5
Dimethyl phthalate	ND		48	9.6	ug/L		02/14/23 02:01	02/17/23 18:13	5
Di-n-butyl phthalate	ND		48	36	ug/L		02/14/23 02:01	02/17/23 18:13	5
Di-n-octyl phthalate	ND		48	33	ug/L		02/14/23 02:01	02/17/23 18:13	5
Fluoranthene	ND		9.1	2.9	ug/L		02/14/23 02:01	02/17/23 18:13	5
Fluorene	ND		9.1	3.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
Hexachlorocyclopentadiene	ND		48	24	ug/L		02/14/23 02:01	02/17/23 18:13	5
Hexachlorobenzene	ND		9.1	2.7	ug/L		02/14/23 02:01	02/17/23 18:13	5
Hexachlorobutadiene	ND		9.1	3.3	ug/L		02/14/23 02:01	02/17/23 18:13	5
Hexachloroethane	ND		48	6.4	ug/L		02/14/23 02:01	02/17/23 18:13	5
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		02/14/23 02:01	02/17/23 18:13	5
Isophorone	ND		48	9.0	ug/L		02/14/23 02:01	02/17/23 18:13	5
Naphthalene	ND		9.1	2.8	ug/L		02/14/23 02:01	02/17/23 18:13	5
Nitrobenzene	ND		96	24	ug/L		02/14/23 02:01	02/17/23 18:13	5
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		02/14/23 02:01	02/17/23 18:13	5
N-Nitrosodiphenylamine	ND		48	5.7	ug/L		02/14/23 02:01	02/17/23 18:13	5
Pentachlorophenol	ND		240	41	ug/L		02/14/23 02:01	02/17/23 18:13	5
Phenanthrene	ND		9.1	2.6	ug/L		02/14/23 02:01	02/17/23 18:13	5
Phenol	ND		48	23	ug/L		02/14/23 02:01	02/17/23 18:13	5
Pyrene	ND		9.1	2.6	ug/L		02/14/23 02:01	02/17/23 18:13	5
Acenaphthylene	ND		9.1	3.1	ug/L		02/14/23 02:01	02/17/23 18:13	5
4-Methylphenol	ND		48	18	ug/L		02/14/23 02:01	02/17/23 18:13	5
2,2'-oxybis[1-chloropropane]	ND		9.1	2.8	ug/L		02/14/23 02:01	02/17/23 18:13	5

Client Sample ID: ALAPW03020723
Date Collected: 02/07/23 11:40
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*39 - 121*	*02/14/23 02:01*	*02/17/23 18:13*	*5*
2-Fluorobiphenyl	*87*		*45 - 105*	*02/14/23 02:01*	*02/17/23 18:13*	*5*
2-Fluorophenol	*81*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:13*	*5*
Nitrobenzene-d5	*102*		*45 - 106*	*02/14/23 02:01*	*02/17/23 18:13*	*5*
Phenol-d5	*82*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:13*	*5*
Terphenyl-d14	*112*		*28 - 125*	*02/14/23 02:01*	*02/17/23 18:13*	*5*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		140	70	ug/L		02/14/23 02:01	02/17/23 23:13	75
1,2,4-Trichlorobenzene	ND		720	94	ug/L		02/14/23 02:01	02/17/23 23:13	75
1,2-Dichlorobenzene	**8600**		720	68	ug/L		02/14/23 02:01	02/17/23 23:13	75
1,3-Dichlorobenzene	ND		720	71	ug/L		02/14/23 02:01	02/17/23 23:13	75
1,4-Dichlorobenzene	**360**	**J**	720	44	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4,5-Trichlorophenol	ND		720	180	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4,6-Trichlorophenol	ND		720	160	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4-Dichlorophenol	ND		140	37	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4-Dimethylphenol	ND	*-	720	120	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4-Dinitrophenol	ND		7200	1100	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,4-Dinitrotoluene	ND		720	250	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,6-Dinitrotoluene	ND		720	120	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Chloronaphthalene	ND		140	43	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Chlorophenol	ND		720	93	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Methylnaphthalene	ND		140	45	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Methylphenol	ND		720	220	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Nitroaniline	ND		3600	400	ug/L		02/14/23 02:01	02/17/23 23:13	75
2-Nitrophenol	ND		720	140	ug/L		02/14/23 02:01	02/17/23 23:13	75
3,3'-Dichlorobenzidine	ND		720	420	ug/L		02/14/23 02:01	02/17/23 23:13	75
3-Nitroaniline	ND		3600	320	ug/L		02/14/23 02:01	02/17/23 23:13	75
4,6-Dinitro-2-methylphenol	ND		3600	1100	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Bromophenyl phenyl ether	ND		720	230	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Chloro-3-methylphenol	ND		720	200	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Chloroaniline	ND		720	270	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Chlorophenyl phenyl ether	ND		720	160	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Nitroaniline	ND		3600	260	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Nitrophenol	ND		3600	680	ug/L		02/14/23 02:01	02/17/23 23:13	75
Acenaphthene	ND		140	47	ug/L		02/14/23 02:01	02/17/23 23:13	75
Anthracene	ND		140	35	ug/L		02/14/23 02:01	02/17/23 23:13	75
Benzo[a]anthracene	ND		140	54	ug/L		02/14/23 02:01	02/17/23 23:13	75
Benzo[a]pyrene	ND		140	38	ug/L		02/14/23 02:01	02/17/23 23:13	75
Benzo[g,h,i]perylene	ND		140	50	ug/L		02/14/23 02:01	02/17/23 23:13	75
Benzo[k]fluoranthene	ND		140	63	ug/L		02/14/23 02:01	02/17/23 23:13	75
Bis(2-chloroethoxy)methane	ND		720	110	ug/L		02/14/23 02:01	02/17/23 23:13	75
Bis(2-chloroethyl)ether	ND		140	29	ug/L		02/14/23 02:01	02/17/23 23:13	75
Bis(2-ethylhexyl) phthalate	ND		7200	4500	ug/L		02/14/23 02:01	02/17/23 23:13	75
Butyl benzyl phthalate	ND		720	330	ug/L		02/14/23 02:01	02/17/23 23:13	75
Carbazole	ND		140	37	ug/L		02/14/23 02:01	02/17/23 23:13	75
Chrysene	ND		140	58	ug/L		02/14/23 02:01	02/17/23 23:13	75
Dibenz(a,h)anthracene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 23:13	75
Dibenzofuran	ND		720	140	ug/L		02/14/23 02:01	02/17/23 23:13	75

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALAPW03020723
Date Collected: 02/07/23 11:40
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-5
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		720	410	ug/L		02/14/23 02:01	02/17/23 23:13	75
Dimethyl phthalate	ND		720	140	ug/L		02/14/23 02:01	02/17/23 23:13	75
Di-n-butyl phthalate	ND		720	540	ug/L		02/14/23 02:01	02/17/23 23:13	75
Di-n-octyl phthalate	ND		720	490	ug/L		02/14/23 02:01	02/17/23 23:13	75
Fluoranthene	ND		140	43	ug/L		02/14/23 02:01	02/17/23 23:13	75
Fluorene	ND		140	50	ug/L		02/14/23 02:01	02/17/23 23:13	75
Hexachlorocyclopentadiene	ND		720	360	ug/L		02/14/23 02:01	02/17/23 23:13	75
Hexachlorobenzene	ND		140	40	ug/L		02/14/23 02:01	02/17/23 23:13	75
Hexachlorobutadiene	ND		140	50	ug/L		02/14/23 02:01	02/17/23 23:13	75
Hexachloroethane	ND		720	96	ug/L		02/14/23 02:01	02/17/23 23:13	75
Indeno[1,2,3-cd]pyrene	ND		140	61	ug/L		02/14/23 02:01	02/17/23 23:13	75
Isophorone	ND		720	140	ug/L		02/14/23 02:01	02/17/23 23:13	75
Naphthalene	ND		140	43	ug/L		02/14/23 02:01	02/17/23 23:13	75
Nitrobenzene	ND		1400	360	ug/L		02/14/23 02:01	02/17/23 23:13	75
N-Nitrosodi-n-propylamine	ND		140	51	ug/L		02/14/23 02:01	02/17/23 23:13	75
N-Nitrosodiphenylamine	ND		720	86	ug/L		02/14/23 02:01	02/17/23 23:13	75
Pentachlorophenol	ND	^c	3600	610	ug/L		02/14/23 02:01	02/17/23 23:13	75
Phenanthrene	ND		140	40	ug/L		02/14/23 02:01	02/17/23 23:13	75
Phenol	ND		720	350	ug/L		02/14/23 02:01	02/17/23 23:13	75
Pyrene	ND		140	39	ug/L		02/14/23 02:01	02/17/23 23:13	75
Acenaphthylene	ND		140	47	ug/L		02/14/23 02:01	02/17/23 23:13	75
4-Methylphenol	ND		720	270	ug/L		02/14/23 02:01	02/17/23 23:13	75
2,2'-oxybis[1-chloropropane]	ND	^c	140	42	ug/L		02/14/23 02:01	02/17/23 23:13	75

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 23:13*	*75*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 23:13*	*75*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 23:13*	*75*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 23:13*	*75*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 23:13*	*75*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 23:13*	*75*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALDUP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-6
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 19:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 19:28	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 19:28	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 19:28	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 19:28	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 19:28	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 19:28	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 19:28	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 19:28	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 19:28	1
Acetone	ND		20	5.5	ug/L			02/10/23 19:28	1
Benzene	**2.9**	**J**	5.0	2.0	ug/L			02/10/23 19:28	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 19:28	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 19:28	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 19:28	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 19:28	1
Chlorobenzene	**280**	**E**	5.0	1.6	ug/L			02/10/23 19:28	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 19:28	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 19:28	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 19:28	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 19:28	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 19:28	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 19:28	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 19:28	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 19:28	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 19:28	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 19:28	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 19:28	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 19:28	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 19:28	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 19:28	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*52 - 151*		*02/10/23 19:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 118*		*02/10/23 19:28*	*1*
Dibromofluoromethane (Surr)	*78*		*60 - 132*		*02/10/23 19:28*	*1*
Toluene-d8 (Surr)	*93*		*53 - 124*		*02/10/23 19:28*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	63	ug/L			02/19/23 02:38	25
1,1,2,2-Tetrachloroethane	ND		130	75	ug/L			02/19/23 02:38	25
1,1,2-Trichloroethane	ND		130	60	ug/L			02/19/23 02:38	25
1,1-Dichloroethane	ND		130	45	ug/L			02/19/23 02:38	25
1,1-Dichloroethene	ND		130	71	ug/L			02/19/23 02:38	25
1,2-Dichloroethane	ND		130	36	ug/L			02/19/23 02:38	25
1,2-Dichloroethene, Total	ND		250	100	ug/L			02/19/23 02:38	25
1,2-Dichloropropane	ND		130	61	ug/L			02/19/23 02:38	25

Client Sample ID: ALDUP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-6
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		130	72	ug/L			02/19/23 02:38	25
2-Hexanone	ND		130	100	ug/L			02/19/23 02:38	25
4-Methyl-2-pentanone (MIBK)	ND	^c	130	46	ug/L			02/19/23 02:38	25
Acetone	ND	^c	500	140	ug/L			02/19/23 02:38	25
Benzene	ND		130	49	ug/L			02/19/23 02:38	25
Bromoform	ND		130	65	ug/L			02/19/23 02:38	25
Bromomethane	ND	^c *+	130	110	ug/L			02/19/23 02:38	25
Carbon disulfide	ND		130	75	ug/L			02/19/23 02:38	25
Carbon tetrachloride	ND	^c *+	130	83	ug/L			02/19/23 02:38	25
Chlorobenzene	**330**		130	39	ug/L			02/19/23 02:38	25
Dibromochloromethane	ND		130	60	ug/L			02/19/23 02:38	25
Chloroform	ND	*+	130	53	ug/L			02/19/23 02:38	25
Chloromethane	ND		130	96	ug/L			02/19/23 02:38	25
Chloroethane	ND	^c	130	65	ug/L			02/19/23 02:38	25
cis-1,3-Dichloropropene	ND		130	40	ug/L			02/19/23 02:38	25
Bromodichloromethane	ND		130	59	ug/L			02/19/23 02:38	25
Ethylbenzene	ND		130	54	ug/L			02/19/23 02:38	25
Methylene Chloride	ND		130	96	ug/L			02/19/23 02:38	25
Styrene	ND		130	33	ug/L			02/19/23 02:38	25
Tetrachloroethene	ND		130	50	ug/L			02/19/23 02:38	25
Toluene	ND		130	42	ug/L			02/19/23 02:38	25
trans-1,3-Dichloropropene	ND		130	43	ug/L			02/19/23 02:38	25
Trichloroethene	ND		130	38	ug/L			02/19/23 02:38	25
Xylenes, Total	ND		250	110	ug/L			02/19/23 02:38	25
Vinyl chloride	ND		130	92	ug/L			02/19/23 02:38	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*52 - 151*		*02/19/23 02:38*	*25*
4-Bromofluorobenzene (Surr)	*63*		*49 - 118*		*02/19/23 02:38*	*25*
Dibromofluoromethane (Surr)	*131*		*60 - 132*		*02/19/23 02:38*	*25*
Toluene-d8 (Surr)	*73*		*53 - 124*		*02/19/23 02:38*	*25*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.9	5.1	ug/L		02/14/23 02:01	02/17/23 18:34	5
1,2,4-Trichlorobenzene	ND		52	6.8	ug/L		02/14/23 02:01	02/17/23 18:34	5
1,2-Dichlorobenzene	**4300**	**E**	52	4.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
1,3-Dichlorobenzene	**20**	**J**	52	5.2	ug/L		02/14/23 02:01	02/17/23 18:34	5
1,4-Dichlorobenzene	**150**		52	3.2	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4,5-Trichlorophenol	ND		52	13	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4,6-Trichlorophenol	ND		52	12	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4-Dichlorophenol	ND		9.9	2.7	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4-Dimethylphenol	ND	*-	52	8.7	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4-Dinitrophenol	ND		520	80	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,4-Dinitrotoluene	ND		52	18	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,6-Dinitrotoluene	ND		52	9.0	ug/L		02/14/23 02:01	02/17/23 18:34	5
2-Chloronaphthalene	ND		9.9	3.1	ug/L		02/14/23 02:01	02/17/23 18:34	5
2-Chlorophenol	**11**	**J**	52	6.7	ug/L		02/14/23 02:01	02/17/23 18:34	5
2-Methylnaphthalene	ND		9.9	3.2	ug/L		02/14/23 02:01	02/17/23 18:34	5
2-Methylphenol	ND		52	16	ug/L		02/14/23 02:01	02/17/23 18:34	5

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALDUP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-6
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		260	29	ug/L		02/14/23 02:01	02/17/23 18:34	5
2-Nitrophenol	ND		52	10	ug/L		02/14/23 02:01	02/17/23 18:34	5
3,3'-Dichlorobenzidine	ND		52	30	ug/L		02/14/23 02:01	02/17/23 18:34	5
3-Nitroaniline	ND		260	23	ug/L		02/14/23 02:01	02/17/23 18:34	5
4,6-Dinitro-2-methylphenol	ND		260	77	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Bromophenyl phenyl ether	ND		52	17	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Chloro-3-methylphenol	ND		52	14	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Chloroaniline	ND		52	20	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Chlorophenyl phenyl ether	ND		52	12	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Nitroaniline	ND		260	19	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Nitrophenol	ND		260	49	ug/L		02/14/23 02:01	02/17/23 18:34	5
Acenaphthene	ND		9.9	3.4	ug/L		02/14/23 02:01	02/17/23 18:34	5
Anthracene	ND		9.9	2.6	ug/L		02/14/23 02:01	02/17/23 18:34	5
Benzo[a]anthracene	ND		9.9	3.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Benzo[a]pyrene	ND		9.9	2.8	ug/L		02/14/23 02:01	02/17/23 18:34	5
Benzo[g,h,i]perylene	ND		9.9	3.6	ug/L		02/14/23 02:01	02/17/23 18:34	5
Benzo[k]fluoranthene	ND		9.9	4.6	ug/L		02/14/23 02:01	02/17/23 18:34	5
Bis(2-chloroethoxy)methane	ND		52	7.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Bis(2-chloroethyl)ether	ND		9.9	2.1	ug/L		02/14/23 02:01	02/17/23 18:34	5
Bis(2-ethylhexyl) phthalate	ND		520	320	ug/L		02/14/23 02:01	02/17/23 18:34	5
Butyl benzyl phthalate	ND	^c	52	24	ug/L		02/14/23 02:01	02/17/23 18:34	5
Carbazole	ND		9.9	2.7	ug/L		02/14/23 02:01	02/17/23 18:34	5
Chrysene	ND		9.9	4.2	ug/L		02/14/23 02:01	02/17/23 18:34	5
Dibenz(a,h)anthracene	ND		9.9	3.8	ug/L		02/14/23 02:01	02/17/23 18:34	5
Dibenzofuran	ND		52	9.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Diethyl phthalate	ND		52	30	ug/L		02/14/23 02:01	02/17/23 18:34	5
Dimethyl phthalate	ND		52	10	ug/L		02/14/23 02:01	02/17/23 18:34	5
Di-n-butyl phthalate	ND		52	39	ug/L		02/14/23 02:01	02/17/23 18:34	5
Di-n-octyl phthalate	ND		52	36	ug/L		02/14/23 02:01	02/17/23 18:34	5
Fluoranthene	ND		9.9	3.1	ug/L		02/14/23 02:01	02/17/23 18:34	5
Fluorene	ND		9.9	3.6	ug/L		02/14/23 02:01	02/17/23 18:34	5
Hexachlorocyclopentadiene	ND		52	26	ug/L		02/14/23 02:01	02/17/23 18:34	5
Hexachlorobenzene	ND		9.9	2.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Hexachlorobutadiene	ND		9.9	3.6	ug/L		02/14/23 02:01	02/17/23 18:34	5
Hexachloroethane	ND		52	6.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Indeno[1,2,3-cd]pyrene	ND		9.9	4.4	ug/L		02/14/23 02:01	02/17/23 18:34	5
Isophorone	ND		52	9.8	ug/L		02/14/23 02:01	02/17/23 18:34	5
Naphthalene	ND		9.9	3.1	ug/L		02/14/23 02:01	02/17/23 18:34	5
Nitrobenzene	ND		100	26	ug/L		02/14/23 02:01	02/17/23 18:34	5
N-Nitrosodi-n-propylamine	ND		9.9	3.7	ug/L		02/14/23 02:01	02/17/23 18:34	5
N-Nitrosodiphenylamine	ND		52	6.2	ug/L		02/14/23 02:01	02/17/23 18:34	5
Pentachlorophenol	ND		260	44	ug/L		02/14/23 02:01	02/17/23 18:34	5
Phenanthrene	ND		9.9	2.9	ug/L		02/14/23 02:01	02/17/23 18:34	5
Phenol	ND		52	25	ug/L		02/14/23 02:01	02/17/23 18:34	5
Pyrene	ND		9.9	2.8	ug/L		02/14/23 02:01	02/17/23 18:34	5
Acenaphthylene	ND		9.9	3.4	ug/L		02/14/23 02:01	02/17/23 18:34	5
4-Methylphenol	ND		52	19	ug/L		02/14/23 02:01	02/17/23 18:34	5
2,2'-oxybis[1-chloropropane]	ND		9.9	3.0	ug/L		02/14/23 02:01	02/17/23 18:34	5

Client Sample ID: ALDUP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*39 - 121*	*02/14/23 02:01*	*02/17/23 18:34*	*5*
2-Fluorobiphenyl	*98*		*45 - 105*	*02/14/23 02:01*	*02/17/23 18:34*	*5*
2-Fluorophenol	*92*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:34*	*5*
Nitrobenzene-d5	*102*		*45 - 106*	*02/14/23 02:01*	*02/17/23 18:34*	*5*
Phenol-d5	*88*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:34*	*5*
Terphenyl-d14	*120*		*28 - 125*	*02/14/23 02:01*	*02/17/23 18:34*	*5*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		99	51	ug/L		02/14/23 02:01	02/21/23 09:21	50
1,2,4-Trichlorobenzene	ND		520	68	ug/L		02/14/23 02:01	02/21/23 09:21	50
1,2-Dichlorobenzene	**5200**		520	49	ug/L		02/14/23 02:01	02/21/23 09:21	50
1,3-Dichlorobenzene	ND		520	52	ug/L		02/14/23 02:01	02/21/23 09:21	50
1,4-Dichlorobenzene	**190**	**J**	520	32	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4,5-Trichlorophenol	ND		520	130	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4,6-Trichlorophenol	ND		520	120	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4-Dichlorophenol	ND		99	27	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4-Dimethylphenol	ND	*-	520	87	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4-Dinitrophenol	ND		5200	800	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,4-Dinitrotoluene	ND		520	180	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,6-Dinitrotoluene	ND		520	90	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Chloronaphthalene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Chlorophenol	ND		520	67	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Methylnaphthalene	ND		99	32	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Methylphenol	ND		520	160	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Nitroaniline	ND		2600	290	ug/L		02/14/23 02:01	02/21/23 09:21	50
2-Nitrophenol	ND		520	100	ug/L		02/14/23 02:01	02/21/23 09:21	50
3,3'-Dichlorobenzidine	ND		520	300	ug/L		02/14/23 02:01	02/21/23 09:21	50
3-Nitroaniline	ND		2600	230	ug/L		02/14/23 02:01	02/21/23 09:21	50
4,6-Dinitro-2-methylphenol	ND		2600	770	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Bromophenyl phenyl ether	ND		520	170	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Chloro-3-methylphenol	ND		520	140	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Chloroaniline	ND		520	200	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Chlorophenyl phenyl ether	ND		520	120	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Nitroaniline	ND		2600	190	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Nitrophenol	ND		2600	490	ug/L		02/14/23 02:01	02/21/23 09:21	50
Acenaphthene	ND		99	34	ug/L		02/14/23 02:01	02/21/23 09:21	50
Anthracene	ND		99	26	ug/L		02/14/23 02:01	02/21/23 09:21	50
Benzo[a]anthracene	ND		99	39	ug/L		02/14/23 02:01	02/21/23 09:21	50
Benzo[a]pyrene	ND		99	28	ug/L		02/14/23 02:01	02/21/23 09:21	50
Benzo[g,h,i]perylene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:21	50
Benzo[k]fluoranthene	ND		99	46	ug/L		02/14/23 02:01	02/21/23 09:21	50
Bis(2-chloroethoxy)methane	ND		520	79	ug/L		02/14/23 02:01	02/21/23 09:21	50
Bis(2-chloroethyl)ether	ND		99	21	ug/L		02/14/23 02:01	02/21/23 09:21	50
Bis(2-ethylhexyl) phthalate	ND		5200	3200	ug/L		02/14/23 02:01	02/21/23 09:21	50
Butyl benzyl phthalate	ND		520	240	ug/L		02/14/23 02:01	02/21/23 09:21	50
Carbazole	ND		99	27	ug/L		02/14/23 02:01	02/21/23 09:21	50
Chrysene	ND		99	42	ug/L		02/14/23 02:01	02/21/23 09:21	50
Dibenz(a,h)anthracene	ND		99	38	ug/L		02/14/23 02:01	02/21/23 09:21	50
Dibenzofuran	ND		520	99	ug/L		02/14/23 02:01	02/21/23 09:21	50

Client Sample ID: ALDUP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-6
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		520	300	ug/L		02/14/23 02:01	02/21/23 09:21	50
Dimethyl phthalate	ND		520	100	ug/L		02/14/23 02:01	02/21/23 09:21	50
Di-n-butyl phthalate	ND		520	390	ug/L		02/14/23 02:01	02/21/23 09:21	50
Di-n-octyl phthalate	ND	^c	520	360	ug/L		02/14/23 02:01	02/21/23 09:21	50
Fluoranthene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:21	50
Fluorene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:21	50
Hexachlorocyclopentadiene	ND		520	260	ug/L		02/14/23 02:01	02/21/23 09:21	50
Hexachlorobenzene	ND		99	29	ug/L		02/14/23 02:01	02/21/23 09:21	50
Hexachlorobutadiene	ND		99	36	ug/L		02/14/23 02:01	02/21/23 09:21	50
Hexachloroethane	ND		520	69	ug/L		02/14/23 02:01	02/21/23 09:21	50
Indeno[1,2,3-cd]pyrene	ND		99	44	ug/L		02/14/23 02:01	02/21/23 09:21	50
Isophorone	ND		520	98	ug/L		02/14/23 02:01	02/21/23 09:21	50
Naphthalene	ND		99	31	ug/L		02/14/23 02:01	02/21/23 09:21	50
Nitrobenzene	ND		1000	260	ug/L		02/14/23 02:01	02/21/23 09:21	50
N-Nitrosodi-n-propylamine	ND		99	37	ug/L		02/14/23 02:01	02/21/23 09:21	50
N-Nitrosodiphenylamine	ND		520	62	ug/L		02/14/23 02:01	02/21/23 09:21	50
Pentachlorophenol	ND		2600	440	ug/L		02/14/23 02:01	02/21/23 09:21	50
Phenanthrene	ND		99	29	ug/L		02/14/23 02:01	02/21/23 09:21	50
Phenol	ND		520	250	ug/L		02/14/23 02:01	02/21/23 09:21	50
Pyrene	ND		99	28	ug/L		02/14/23 02:01	02/21/23 09:21	50
Acenaphthylene	ND		99	34	ug/L		02/14/23 02:01	02/21/23 09:21	50
4-Methylphenol	ND		520	190	ug/L		02/14/23 02:01	02/21/23 09:21	50
2,2'-oxybis[1-chloropropane]	ND		99	30	ug/L		02/14/23 02:01	02/21/23 09:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1- D*	*39 - 121*	*02/14/23 02:01*	*02/21/23 09:21*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*45 - 105*	*02/14/23 02:01*	*02/21/23 09:21*	*50*
2-Fluorophenol	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/21/23 09:21*	*50*
Nitrobenzene-d5	*0*	*S1- D*	*45 - 106*	*02/14/23 02:01*	*02/21/23 09:21*	*50*
Phenol-d5	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/21/23 09:21*	*50*
Terphenyl-d14	*0*	*S1- D*	*28 - 125*	*02/14/23 02:01*	*02/21/23 09:21*	*50*

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-7
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 19:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 19:49	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 19:49	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 19:49	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 19:49	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 19:49	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 19:49	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 19:49	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 19:49	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 19:49	1
Acetone	ND		20	5.5	ug/L			02/10/23 19:49	1
Benzene	**5.0**		5.0	2.0	ug/L			02/10/23 19:49	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 19:49	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 19:49	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 19:49	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 19:49	1
Chlorobenzene	**470**	**E**	5.0	1.6	ug/L			02/10/23 19:49	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 19:49	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 19:49	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 19:49	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 19:49	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 19:49	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 19:49	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 19:49	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 19:49	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 19:49	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 19:49	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 19:49	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 19:49	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 19:49	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 19:49	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*52 - 151*		*02/10/23 19:49*	*1*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*49 - 118*		*02/10/23 19:49*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 132*		*02/10/23 19:49*	*1*
Toluene-d8 (Surr)	*134*	*S1+*	*53 - 124*		*02/10/23 19:49*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	63	ug/L			02/19/23 03:02	25
1,1,2,2-Tetrachloroethane	ND		130	75	ug/L			02/19/23 03:02	25
1,1,2-Trichloroethane	ND		130	60	ug/L			02/19/23 03:02	25
1,1-Dichloroethane	ND		130	45	ug/L			02/19/23 03:02	25
1,1-Dichloroethene	ND		130	71	ug/L			02/19/23 03:02	25
1,2-Dichloroethane	ND		130	36	ug/L			02/19/23 03:02	25
1,2-Dichloroethene, Total	ND		250	100	ug/L			02/19/23 03:02	25
1,2-Dichloropropane	ND		130	61	ug/L			02/19/23 03:02	25

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
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Lab Sample ID: 180-151719-7
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		130	72	ug/L			02/19/23 03:02	25
2-Hexanone	ND		130	100	ug/L			02/19/23 03:02	25
4-Methyl-2-pentanone (MIBK)	ND	^c	130	46	ug/L			02/19/23 03:02	25
Acetone	ND	^c	500	140	ug/L			02/19/23 03:02	25
Benzene	ND		130	49	ug/L			02/19/23 03:02	25
Bromoform	ND		130	65	ug/L			02/19/23 03:02	25
Bromomethane	ND	^c *+	130	110	ug/L			02/19/23 03:02	25
Carbon disulfide	ND		130	75	ug/L			02/19/23 03:02	25
Carbon tetrachloride	ND	^c *+	130	83	ug/L			02/19/23 03:02	25
Chlorobenzene	**230**		130	39	ug/L			02/19/23 03:02	25
Dibromochloromethane	ND		130	60	ug/L			02/19/23 03:02	25
Chloroform	ND	*+	130	53	ug/L			02/19/23 03:02	25
Chloromethane	ND		130	96	ug/L			02/19/23 03:02	25
Chloroethane	ND	^c	130	65	ug/L			02/19/23 03:02	25
cis-1,3-Dichloropropene	ND		130	40	ug/L			02/19/23 03:02	25
Bromodichloromethane	ND		130	59	ug/L			02/19/23 03:02	25
Ethylbenzene	ND		130	54	ug/L			02/19/23 03:02	25
Methylene Chloride	ND		130	96	ug/L			02/19/23 03:02	25
Styrene	ND		130	33	ug/L			02/19/23 03:02	25
Tetrachloroethene	ND		130	50	ug/L			02/19/23 03:02	25
Toluene	ND		130	42	ug/L			02/19/23 03:02	25
trans-1,3-Dichloropropene	ND		130	43	ug/L			02/19/23 03:02	25
Trichloroethene	ND		130	38	ug/L			02/19/23 03:02	25
Xylenes, Total	ND		250	110	ug/L			02/19/23 03:02	25
Vinyl chloride	ND		130	92	ug/L			02/19/23 03:02	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*		*52 - 151*		*02/19/23 03:02*	*25*
4-Bromofluorobenzene (Surr)	*62*		*49 - 118*		*02/19/23 03:02*	*25*
Dibromofluoromethane (Surr)	*133*	*S1+*	*60 - 132*		*02/19/23 03:02*	*25*
Toluene-d8 (Surr)	*71*		*53 - 124*		*02/19/23 03:02*	*25*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		9.5	4.9	ug/L		02/14/23 02:01	02/17/23 18:56	5
1,2,4-Trichlorobenzene	ND		50	6.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
1,2-Dichlorobenzene	**3800**	**E**	50	4.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
1,3-Dichlorobenzene	**20**	**J**	50	5.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
1,4-Dichlorobenzene	**140**		50	3.1	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4,5-Trichlorophenol	ND		50	13	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4,6-Trichlorophenol	ND		50	11	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4-Dichlorophenol	ND		9.5	2.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4-Dimethylphenol	ND	*-	50	8.4	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4-Dinitrophenol	ND		500	77	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,4-Dinitrotoluene	ND		50	18	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,6-Dinitrotoluene	ND		50	8.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
2-Chloronaphthalene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
2-Chlorophenol	**8.7**	**J**	50	6.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
2-Methylnaphthalene	ND		9.5	3.1	ug/L		02/14/23 02:01	02/17/23 18:56	5
2-Methylphenol	ND		50	15	ug/L		02/14/23 02:01	02/17/23 18:56	5

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-7
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		250	27	ug/L		02/14/23 02:01	02/17/23 18:56	5
2-Nitrophenol	ND		50	9.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
3,3'-Dichlorobenzidine	ND		50	29	ug/L		02/14/23 02:01	02/17/23 18:56	5
3-Nitroaniline	ND		250	22	ug/L		02/14/23 02:01	02/17/23 18:56	5
4,6-Dinitro-2-methylphenol	ND		250	74	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Bromophenyl phenyl ether	ND		50	16	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Chloro-3-methylphenol	ND		50	14	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Chloroaniline	ND		50	19	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Chlorophenyl phenyl ether	ND		50	11	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Nitroaniline	ND		250	18	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Nitrophenol	ND		250	47	ug/L		02/14/23 02:01	02/17/23 18:56	5
Acenaphthene	ND		9.5	3.3	ug/L		02/14/23 02:01	02/17/23 18:56	5
Anthracene	ND		9.5	2.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
Benzo[a]anthracene	ND		9.5	3.8	ug/L		02/14/23 02:01	02/17/23 18:56	5
Benzo[a]pyrene	ND		9.5	2.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
Benzo[g,h,i]perylene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
Benzo[k]fluoranthene	ND		9.5	4.4	ug/L		02/14/23 02:01	02/17/23 18:56	5
Bis(2-chloroethoxy)methane	ND		50	7.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
Bis(2-chloroethyl)ether	ND		9.5	2.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
Bis(2-ethylhexyl) phthalate	ND		500	310	ug/L		02/14/23 02:01	02/17/23 18:56	5
Butyl benzyl phthalate	ND	^c	50	23	ug/L		02/14/23 02:01	02/17/23 18:56	5
Carbazole	ND		9.5	2.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
Chrysene	ND		9.5	4.1	ug/L		02/14/23 02:01	02/17/23 18:56	5
Dibenz(a,h)anthracene	ND		9.5	3.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
Dibenzofuran	ND		50	9.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
Diethyl phthalate	ND		50	28	ug/L		02/14/23 02:01	02/17/23 18:56	5
Dimethyl phthalate	ND		50	10	ug/L		02/14/23 02:01	02/17/23 18:56	5
Di-n-butyl phthalate	ND		50	37	ug/L		02/14/23 02:01	02/17/23 18:56	5
Di-n-octyl phthalate	ND		50	34	ug/L		02/14/23 02:01	02/17/23 18:56	5
Fluoranthene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
Fluorene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
Hexachlorocyclopentadiene	ND		50	25	ug/L		02/14/23 02:01	02/17/23 18:56	5
Hexachlorobenzene	ND		9.5	2.8	ug/L		02/14/23 02:01	02/17/23 18:56	5
Hexachlorobutadiene	ND		9.5	3.5	ug/L		02/14/23 02:01	02/17/23 18:56	5
Hexachloroethane	ND		50	6.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
Indeno[1,2,3-cd]pyrene	ND		9.5	4.3	ug/L		02/14/23 02:01	02/17/23 18:56	5
Isophorone	ND		50	9.4	ug/L		02/14/23 02:01	02/17/23 18:56	5
Naphthalene	ND		9.5	3.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
Nitrobenzene	ND		100	25	ug/L		02/14/23 02:01	02/17/23 18:56	5
N-Nitrosodi-n-propylamine	ND		9.5	3.6	ug/L		02/14/23 02:01	02/17/23 18:56	5
N-Nitrosodiphenylamine	ND		50	6.0	ug/L		02/14/23 02:01	02/17/23 18:56	5
Pentachlorophenol	ND		250	42	ug/L		02/14/23 02:01	02/17/23 18:56	5
Phenanthrene	ND		9.5	2.8	ug/L		02/14/23 02:01	02/17/23 18:56	5
Phenol	ND		50	24	ug/L		02/14/23 02:01	02/17/23 18:56	5
Pyrene	ND		9.5	2.7	ug/L		02/14/23 02:01	02/17/23 18:56	5
Acenaphthylene	ND		9.5	3.3	ug/L		02/14/23 02:01	02/17/23 18:56	5
4-Methylphenol	ND		50	19	ug/L		02/14/23 02:01	02/17/23 18:56	5
2,2'-oxybis[1-chloropropane]	ND		9.5	2.9	ug/L		02/14/23 02:01	02/17/23 18:56	5

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-7
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - 121*	*02/14/23 02:01*	*02/17/23 18:56*	*5*
2-Fluorobiphenyl	*85*		*45 - 105*	*02/14/23 02:01*	*02/17/23 18:56*	*5*
2-Fluorophenol	*78*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:56*	*5*
Nitrobenzene-d5	*90*		*45 - 106*	*02/14/23 02:01*	*02/17/23 18:56*	*5*
Phenol-d5	*76*		*38 - 105*	*02/14/23 02:01*	*02/17/23 18:56*	*5*
Terphenyl-d14	*105*		*28 - 125*	*02/14/23 02:01*	*02/17/23 18:56*	*5*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		140	73	ug/L		02/14/23 02:01	02/17/23 22:35	75
1,2,4-Trichlorobenzene	ND		750	98	ug/L		02/14/23 02:01	02/17/23 22:35	75
1,2-Dichlorobenzene	**3800**		750	71	ug/L		02/14/23 02:01	02/17/23 22:35	75
1,3-Dichlorobenzene	ND		750	74	ug/L		02/14/23 02:01	02/17/23 22:35	75
1,4-Dichlorobenzene	**140**	**J**	750	46	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4,5-Trichlorophenol	ND		750	190	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4,6-Trichlorophenol	ND		750	170	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4-Dichlorophenol	ND		140	38	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4-Dimethylphenol	ND	*-	750	130	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4-Dinitrophenol	ND		7500	1100	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,4-Dinitrotoluene	ND		750	260	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,6-Dinitrotoluene	ND		750	130	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Chloronaphthalene	ND		140	44	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Chlorophenol	ND		750	97	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Methylnaphthalene	ND		140	47	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Methylphenol	ND		750	230	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Nitroaniline	ND		3800	410	ug/L		02/14/23 02:01	02/17/23 22:35	75
2-Nitrophenol	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:35	75
3,3'-Dichlorobenzidine	ND		750	440	ug/L		02/14/23 02:01	02/17/23 22:35	75
3-Nitroaniline	ND		3800	330	ug/L		02/14/23 02:01	02/17/23 22:35	75
4,6-Dinitro-2-methylphenol	ND		3800	1100	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Bromophenyl phenyl ether	ND		750	240	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Chloro-3-methylphenol	ND		750	210	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Chloroaniline	ND		750	280	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Chlorophenyl phenyl ether	ND		750	170	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Nitroaniline	ND		3800	270	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Nitrophenol	ND	^c	3800	710	ug/L		02/14/23 02:01	02/17/23 22:35	75
Acenaphthene	ND		140	49	ug/L		02/14/23 02:01	02/17/23 22:35	75
Anthracene	ND		140	37	ug/L		02/14/23 02:01	02/17/23 22:35	75
Benzo[a]anthracene	ND		140	56	ug/L		02/14/23 02:01	02/17/23 22:35	75
Benzo[a]pyrene	ND		140	40	ug/L		02/14/23 02:01	02/17/23 22:35	75
Benzo[g,h,i]perylene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:35	75
Benzo[k]fluoranthene	ND		140	66	ug/L		02/14/23 02:01	02/17/23 22:35	75
Bis(2-chloroethoxy)methane	ND		750	110	ug/L		02/14/23 02:01	02/17/23 22:35	75
Bis(2-chloroethyl)ether	ND		140	30	ug/L		02/14/23 02:01	02/17/23 22:35	75
Bis(2-ethylhexyl) phthalate	ND		7500	4700	ug/L		02/14/23 02:01	02/17/23 22:35	75
Butyl benzyl phthalate	ND		750	350	ug/L		02/14/23 02:01	02/17/23 22:35	75
Carbazole	ND		140	38	ug/L		02/14/23 02:01	02/17/23 22:35	75
Chrysene	ND		140	61	ug/L		02/14/23 02:01	02/17/23 22:35	75
Dibenz(a,h)anthracene	ND		140	54	ug/L		02/14/23 02:01	02/17/23 22:35	75
Dibenzofuran	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:35	75

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALREP020723
Date Collected: 02/07/23 00:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-7
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		750	430	ug/L		02/14/23 02:01	02/17/23 22:35	75
Dimethyl phthalate	ND		750	150	ug/L		02/14/23 02:01	02/17/23 22:35	75
Di-n-butyl phthalate	ND		750	560	ug/L		02/14/23 02:01	02/17/23 22:35	75
Di-n-octyl phthalate	ND		750	510	ug/L		02/14/23 02:01	02/17/23 22:35	75
Fluoranthene	ND		140	45	ug/L		02/14/23 02:01	02/17/23 22:35	75
Fluorene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:35	75
Hexachlorocyclopentadiene	ND	^c	750	370	ug/L		02/14/23 02:01	02/17/23 22:35	75
Hexachlorobenzene	ND		140	42	ug/L		02/14/23 02:01	02/17/23 22:35	75
Hexachlorobutadiene	ND		140	52	ug/L		02/14/23 02:01	02/17/23 22:35	75
Hexachloroethane	ND		750	100	ug/L		02/14/23 02:01	02/17/23 22:35	75
Indeno[1,2,3-cd]pyrene	ND		140	64	ug/L		02/14/23 02:01	02/17/23 22:35	75
Isophorone	ND		750	140	ug/L		02/14/23 02:01	02/17/23 22:35	75
Naphthalene	ND		140	44	ug/L		02/14/23 02:01	02/17/23 22:35	75
Nitrobenzene	ND		1500	380	ug/L		02/14/23 02:01	02/17/23 22:35	75
N-Nitrosodi-n-propylamine	ND		140	53	ug/L		02/14/23 02:01	02/17/23 22:35	75
N-Nitrosodiphenylamine	ND		750	89	ug/L		02/14/23 02:01	02/17/23 22:35	75
Pentachlorophenol	ND		3800	640	ug/L		02/14/23 02:01	02/17/23 22:35	75
Phenanthrene	ND		140	41	ug/L		02/14/23 02:01	02/17/23 22:35	75
Phenol	ND		750	370	ug/L		02/14/23 02:01	02/17/23 22:35	75
Pyrene	ND		140	41	ug/L		02/14/23 02:01	02/17/23 22:35	75
Acenaphthylene	ND		140	49	ug/L		02/14/23 02:01	02/17/23 22:35	75
4-Methylphenol	ND		750	280	ug/L		02/14/23 02:01	02/17/23 22:35	75
2,2'-oxybis[1-chloropropane]	ND		140	44	ug/L		02/14/23 02:01	02/17/23 22:35	75

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 22:35*	*75*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 22:35*	*75*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:35*	*75*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 22:35*	*75*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 22:35*	*75*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 22:35*	*75*

Client Sample ID: ALEQUIP020723
Date Collected: 02/07/23 11:50
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-8
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 17:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 17:22	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 17:22	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 17:22	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 17:22	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 17:22	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 17:22	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 17:22	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 17:22	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 17:22	1
Acetone	ND		20	5.5	ug/L			02/10/23 17:22	1
Benzene	ND		5.0	2.0	ug/L			02/10/23 17:22	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 17:22	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 17:22	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 17:22	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 17:22	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/10/23 17:22	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 17:22	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 17:22	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 17:22	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 17:22	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 17:22	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 17:22	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 17:22	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 17:22	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 17:22	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 17:22	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 17:22	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 17:22	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 17:22	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 17:22	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*02/10/23 17:22*	*1*
4-Bromofluorobenzene (Surr)	*87*		*49 - 118*		*02/10/23 17:22*	*1*
Dibromofluoromethane (Surr)	*74*		*60 - 132*		*02/10/23 17:22*	*1*
Toluene-d8 (Surr)	*81*		*53 - 124*		*02/10/23 17:22*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		2.0	1.0	ug/L		02/14/23 02:01	02/17/23 19:17	1
1,2,4-Trichlorobenzene	ND		10	1.4	ug/L		02/14/23 02:01	02/17/23 19:17	1
1,2-Dichlorobenzene	ND		10	0.99	ug/L		02/14/23 02:01	02/17/23 19:17	1
1,3-Dichlorobenzene	ND		10	1.0	ug/L		02/14/23 02:01	02/17/23 19:17	1
1,4-Dichlorobenzene	ND		10	0.64	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,4,5-Trichlorophenol	ND		10	2.6	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,4,6-Trichlorophenol	ND		10	2.3	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,4-Dichlorophenol	ND		2.0	0.53	ug/L		02/14/23 02:01	02/17/23 19:17	1

Client Sample ID: ALEQUIP020723
Date Collected: 02/07/23 11:50
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-8
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND	*-	10	1.7	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,4-Dinitrophenol	ND		100	16	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,4-Dinitrotoluene	ND		10	3.7	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,6-Dinitrotoluene	ND		10	1.8	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Chloronaphthalene	ND		2.0	0.61	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Chlorophenol	ND		10	1.3	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Methylnaphthalene	ND		2.0	0.65	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Methylphenol	ND		10	3.1	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Nitroaniline	ND		52	5.7	ug/L		02/14/23 02:01	02/17/23 19:17	1
2-Nitrophenol	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 19:17	1
3,3'-Dichlorobenzidine	ND		10	6.1	ug/L		02/14/23 02:01	02/17/23 19:17	1
3-Nitroaniline	ND		52	4.6	ug/L		02/14/23 02:01	02/17/23 19:17	1
4,6-Dinitro-2-methylphenol	ND		52	15	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Bromophenyl phenyl ether	ND		10	3.3	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Chloro-3-methylphenol	ND		10	2.9	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Chloroaniline	ND		10	3.9	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Chlorophenyl phenyl ether	ND		10	2.3	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Nitroaniline	ND		52	3.8	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Nitrophenol	ND		52	9.8	ug/L		02/14/23 02:01	02/17/23 19:17	1
Acenaphthene	ND		2.0	0.68	ug/L		02/14/23 02:01	02/17/23 19:17	1
Anthracene	ND		2.0	0.51	ug/L		02/14/23 02:01	02/17/23 19:17	1
Benzo[a]anthracene	ND		2.0	0.78	ug/L		02/14/23 02:01	02/17/23 19:17	1
Benzo[a]pyrene	ND		2.0	0.55	ug/L		02/14/23 02:01	02/17/23 19:17	1
Benzo[g,h,i]perylene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 19:17	1
Benzo[k]fluoranthene	ND		2.0	0.92	ug/L		02/14/23 02:01	02/17/23 19:17	1
Bis(2-chloroethoxy)methane	ND		10	1.6	ug/L		02/14/23 02:01	02/17/23 19:17	1
Bis(2-chloroethyl)ether	ND		2.0	0.42	ug/L		02/14/23 02:01	02/17/23 19:17	1
Bis(2-ethylhexyl) phthalate	ND		100	65	ug/L		02/14/23 02:01	02/17/23 19:17	1
Butyl benzyl phthalate	ND	^c	10	4.8	ug/L		02/14/23 02:01	02/17/23 19:17	1
Carbazole	ND		2.0	0.53	ug/L		02/14/23 02:01	02/17/23 19:17	1
Chrysene	ND		2.0	0.84	ug/L		02/14/23 02:01	02/17/23 19:17	1
Dibenz(a,h)anthracene	ND		2.0	0.75	ug/L		02/14/23 02:01	02/17/23 19:17	1
Dibenzofuran	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 19:17	1
Diethyl phthalate	ND		10	5.9	ug/L		02/14/23 02:01	02/17/23 19:17	1
Dimethyl phthalate	ND		10	2.1	ug/L		02/14/23 02:01	02/17/23 19:17	1
Di-n-butyl phthalate	**13**		10	7.7	ug/L		02/14/23 02:01	02/17/23 19:17	1
Di-n-octyl phthalate	ND		10	7.1	ug/L		02/14/23 02:01	02/17/23 19:17	1
Fluoranthene	ND		2.0	0.63	ug/L		02/14/23 02:01	02/17/23 19:17	1
Fluorene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 19:17	1
Hexachlorocyclopentadiene	ND		10	5.2	ug/L		02/14/23 02:01	02/17/23 19:17	1
Hexachlorobenzene	ND		2.0	0.58	ug/L		02/14/23 02:01	02/17/23 19:17	1
Hexachlorobutadiene	ND		2.0	0.72	ug/L		02/14/23 02:01	02/17/23 19:17	1
Hexachloroethane	ND		10	1.4	ug/L		02/14/23 02:01	02/17/23 19:17	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.89	ug/L		02/14/23 02:01	02/17/23 19:17	1
Isophorone	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 19:17	1
Naphthalene	ND		2.0	0.61	ug/L		02/14/23 02:01	02/17/23 19:17	1
Nitrobenzene	ND		21	5.2	ug/L		02/14/23 02:01	02/17/23 19:17	1
N-Nitrosodi-n-propylamine	ND		2.0	0.74	ug/L		02/14/23 02:01	02/17/23 19:17	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		02/14/23 02:01	02/17/23 19:17	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALEQUIP020723
Date Collected: 02/07/23 11:50
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-8
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		52	8.8	ug/L		02/14/23 02:01	02/17/23 19:17	1
Phenanthrene	ND		2.0	0.57	ug/L		02/14/23 02:01	02/17/23 19:17	1
Phenol	ND		10	5.1	ug/L		02/14/23 02:01	02/17/23 19:17	1
Pyrene	ND		2.0	0.56	ug/L		02/14/23 02:01	02/17/23 19:17	1
Acenaphthylene	ND		2.0	0.68	ug/L		02/14/23 02:01	02/17/23 19:17	1
4-Methylphenol	ND		10	3.9	ug/L		02/14/23 02:01	02/17/23 19:17	1
2,2'-oxybis[1-chloropropane]	ND		2.0	0.60	ug/L		02/14/23 02:01	02/17/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*39 - 121*	*02/14/23 02:01*	*02/17/23 19:17*	*1*
2-Fluorobiphenyl	*76*		*45 - 105*	*02/14/23 02:01*	*02/17/23 19:17*	*1*
2-Fluorophenol	*72*		*38 - 105*	*02/14/23 02:01*	*02/17/23 19:17*	*1*
Nitrobenzene-d5	*80*		*45 - 106*	*02/14/23 02:01*	*02/17/23 19:17*	*1*
Phenol-d5	*71*		*38 - 105*	*02/14/23 02:01*	*02/17/23 19:17*	*1*
Terphenyl-d14	*114*		*28 - 125*	*02/14/23 02:01*	*02/17/23 19:17*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALTRIP020723
Date Collected: 02/07/23 12:15
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-9
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			02/10/23 17:01	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 17:01	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 17:01	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 17:01	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 17:01	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 17:01	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 17:01	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 17:01	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 17:01	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			02/10/23 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 17:01	1
Acetone	ND		20	5.5	ug/L			02/10/23 17:01	1
Benzene	ND		5.0	2.0	ug/L			02/10/23 17:01	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 17:01	1
Bromomethane	ND	^c	5.0	4.5	ug/L			02/10/23 17:01	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 17:01	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 17:01	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/10/23 17:01	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 17:01	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 17:01	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 17:01	1
Chloroethane	ND	^c	5.0	2.6	ug/L			02/10/23 17:01	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 17:01	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 17:01	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 17:01	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 17:01	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 17:01	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 17:01	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 17:01	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 17:01	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 17:01	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 17:01	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*52 - 151*		*02/10/23 17:01*	*1*
4-Bromofluorobenzene (Surr)	*86*		*49 - 118*		*02/10/23 17:01*	*1*
Dibromofluoromethane (Surr)	*72*		*60 - 132*		*02/10/23 17:01*	*1*
Toluene-d8 (Surr)	*79*		*53 - 124*		*02/10/23 17:01*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	50	ug/L			02/18/23 00:01	20
1,1,2,2-Tetrachloroethane	ND		100	60	ug/L			02/18/23 00:01	20
1,1,2-Trichloroethane	ND		100	48	ug/L			02/18/23 00:01	20
1,1-Dichloroethane	ND		100	36	ug/L			02/18/23 00:01	20
1,1-Dichloroethene	ND		100	57	ug/L			02/18/23 00:01	20
1,2-Dichloroethane	ND		100	29	ug/L			02/18/23 00:01	20
1,2-Dichloroethene, Total	ND		200	80	ug/L			02/18/23 00:01	20
1,2-Dichloropropane	ND		100	49	ug/L			02/18/23 00:01	20
2-Butanone (MEK)	ND	^c	100	58	ug/L			02/18/23 00:01	20
2-Hexanone	ND		100	84	ug/L			02/18/23 00:01	20
4-Methyl-2-pentanone (MIBK)	ND	^c	100	37	ug/L			02/18/23 00:01	20
Acetone	ND	^c	400	110	ug/L			02/18/23 00:01	20
Benzene	**50**	**J**	100	39	ug/L			02/18/23 00:01	20
Bromoform	ND		100	52	ug/L			02/18/23 00:01	20
Bromomethane	ND	^c	100	90	ug/L			02/18/23 00:01	20
Carbon disulfide	ND		100	60	ug/L			02/18/23 00:01	20
Carbon tetrachloride	ND	^c	100	66	ug/L			02/18/23 00:01	20
Chlorobenzene	**11000**	**E**	100	31	ug/L			02/18/23 00:01	20
Dibromochloromethane	ND		100	48	ug/L			02/18/23 00:01	20
Chloroform	ND		100	42	ug/L			02/18/23 00:01	20
Chloromethane	ND		100	77	ug/L			02/18/23 00:01	20
Chloroethane	ND		100	52	ug/L			02/18/23 00:01	20
cis-1,3-Dichloropropene	ND		100	32	ug/L			02/18/23 00:01	20
Bromodichloromethane	ND		100	47	ug/L			02/18/23 00:01	20
Ethylbenzene	ND		100	43	ug/L			02/18/23 00:01	20
Methylene Chloride	ND		100	77	ug/L			02/18/23 00:01	20
Styrene	ND		100	27	ug/L			02/18/23 00:01	20
Tetrachloroethene	ND		100	40	ug/L			02/18/23 00:01	20
Toluene	**1500**	**E**	100	34	ug/L			02/18/23 00:01	20
trans-1,3-Dichloropropene	ND		100	35	ug/L			02/18/23 00:01	20
Trichloroethene	ND		100	30	ug/L			02/18/23 00:01	20
Xylenes, Total	ND		200	86	ug/L			02/18/23 00:01	20
Vinyl chloride	ND		100	73	ug/L			02/18/23 00:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*167*	*S1+*	*52 - 151*		*02/18/23 00:01*	*20*
4-Bromofluorobenzene (Surr)	*84*		*49 - 118*		*02/18/23 00:01*	*20*
Dibromofluoromethane (Surr)	*160*	*S1+*	*60 - 132*		*02/18/23 00:01*	*20*
Toluene-d8 (Surr)	*81*		*53 - 124*		*02/18/23 00:01*	*20*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5000	2500	ug/L			02/21/23 15:37	1000
1,1,2,2-Tetrachloroethane	ND		5000	3000	ug/L			02/21/23 15:37	1000
1,1,2-Trichloroethane	ND		5000	2400	ug/L			02/21/23 15:37	1000
1,1-Dichloroethane	ND		5000	1800	ug/L			02/21/23 15:37	1000
1,1-Dichloroethene	ND		5000	2900	ug/L			02/21/23 15:37	1000
1,2-Dichloroethane	ND		5000	1500	ug/L			02/21/23 15:37	1000
1,2-Dichloroethene, Total	ND		10000	4000	ug/L			02/21/23 15:37	1000
1,2-Dichloropropane	ND		5000	2500	ug/L			02/21/23 15:37	1000

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	^c	5000	2900	ug/L			02/21/23 15:37	1000
2-Hexanone	ND	^c	5000	4200	ug/L			02/21/23 15:37	1000
4-Methyl-2-pentanone (MIBK)	ND	^c	5000	1900	ug/L			02/21/23 15:37	1000
Acetone	ND		20000	5500	ug/L			02/21/23 15:37	1000
Benzene	ND		5000	2000	ug/L			02/21/23 15:37	1000
Bromoform	ND		5000	2600	ug/L			02/21/23 15:37	1000
Bromomethane	ND	^c	5000	4500	ug/L			02/21/23 15:37	1000
Carbon disulfide	ND		5000	3000	ug/L			02/21/23 15:37	1000
Carbon tetrachloride	ND		5000	3300	ug/L			02/21/23 15:37	1000
Chlorobenzene	**11000**		5000	1600	ug/L			02/21/23 15:37	1000
Dibromochloromethane	ND		5000	2400	ug/L			02/21/23 15:37	1000
Chloroform	ND		5000	2100	ug/L			02/21/23 15:37	1000
Chloromethane	ND		5000	3900	ug/L			02/21/23 15:37	1000
Chloroethane	ND	^c	5000	2600	ug/L			02/21/23 15:37	1000
cis-1,3-Dichloropropene	ND		5000	1600	ug/L			02/21/23 15:37	1000
Bromodichloromethane	ND		5000	2400	ug/L			02/21/23 15:37	1000
Ethylbenzene	ND	^c	5000	2200	ug/L			02/21/23 15:37	1000
Methylene Chloride	ND		5000	3900	ug/L			02/21/23 15:37	1000
Styrene	ND	^c	5000	1300	ug/L			02/21/23 15:37	1000
Tetrachloroethene	ND		5000	2000	ug/L			02/21/23 15:37	1000
Toluene	ND		5000	1700	ug/L			02/21/23 15:37	1000
trans-1,3-Dichloropropene	ND		5000	1700	ug/L			02/21/23 15:37	1000
Trichloroethene	ND		5000	1500	ug/L			02/21/23 15:37	1000
Xylenes, Total	ND		10000	4300	ug/L			02/21/23 15:37	1000
Vinyl chloride	ND		5000	3700	ug/L			02/21/23 15:37	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*52 - 151*		*02/21/23 15:37*	*1000*
4-Bromofluorobenzene (Surr)	*65*		*49 - 118*		*02/21/23 15:37*	*1000*
Dibromofluoromethane (Surr)	*115*		*60 - 132*		*02/21/23 15:37*	*1000*
Toluene-d8 (Surr)	*71*		*53 - 124*		*02/21/23 15:37*	*1000*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		3.8	1.9	ug/L		02/14/23 02:01	02/20/23 13:09	2
1,2,4-Trichlorobenzene	ND		20	2.6	ug/L		02/14/23 02:01	02/20/23 13:09	2
1,2-Dichlorobenzene	**750**		20	1.9	ug/L		02/14/23 02:01	02/20/23 13:09	2
1,3-Dichlorobenzene	**9.3**	**J**	20	2.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
1,4-Dichlorobenzene	**81**		20	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4,5-Trichlorophenol	ND		20	5.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4,6-Trichlorophenol	ND		20	4.5	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4-Dichlorophenol	ND		3.8	1.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4-Dimethylphenol	ND	*-	20	3.3	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4-Dinitrophenol	ND		200	31	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,4-Dinitrotoluene	ND		20	7.1	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,6-Dinitrotoluene	ND		20	3.5	ug/L		02/14/23 02:01	02/20/23 13:09	2
2-Chloronaphthalene	ND		3.8	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
2-Chlorophenol	ND		20	2.6	ug/L		02/14/23 02:01	02/20/23 13:09	2
2-Methylnaphthalene	ND		3.8	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
2-Methylphenol	ND		20	6.0	ug/L		02/14/23 02:01	02/20/23 13:09	2

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		100	11	ug/L		02/14/23 02:01	02/20/23 13:09	2
2-Nitrophenol	ND		20	3.9	ug/L		02/14/23 02:01	02/20/23 13:09	2
3,3'-Dichlorobenzidine	ND		20	12	ug/L		02/14/23 02:01	02/20/23 13:09	2
3-Nitroaniline	**13**	**J**	100	8.7	ug/L		02/14/23 02:01	02/20/23 13:09	2
4,6-Dinitro-2-methylphenol	ND		100	29	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Bromophenyl phenyl ether	ND		20	6.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Chloro-3-methylphenol	ND		20	5.6	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Chloroaniline	**500**		20	7.5	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Chlorophenyl phenyl ether	ND		20	4.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Nitroaniline	ND		100	7.3	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Nitrophenol	ND		100	19	ug/L		02/14/23 02:01	02/20/23 13:09	2
Acenaphthene	ND		3.8	1.3	ug/L		02/14/23 02:01	02/20/23 13:09	2
Anthracene	ND		3.8	0.98	ug/L		02/14/23 02:01	02/20/23 13:09	2
Benzo[a]anthracene	ND		3.8	1.5	ug/L		02/14/23 02:01	02/20/23 13:09	2
Benzo[a]pyrene	ND		3.8	1.1	ug/L		02/14/23 02:01	02/20/23 13:09	2
Benzo[g,h,i]perylene	ND		3.8	1.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
Benzo[k]fluoranthene	ND		3.8	1.8	ug/L		02/14/23 02:01	02/20/23 13:09	2
Bis(2-chloroethoxy)methane	ND		20	3.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
Bis(2-chloroethyl)ether	ND		3.8	0.80	ug/L		02/14/23 02:01	02/20/23 13:09	2
Bis(2-ethylhexyl) phthalate	ND		200	120	ug/L		02/14/23 02:01	02/20/23 13:09	2
Butyl benzyl phthalate	ND		20	9.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
Carbazole	ND		3.8	1.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
Chrysene	ND		3.8	1.6	ug/L		02/14/23 02:01	02/20/23 13:09	2
Dibenz(a,h)anthracene	ND		3.8	1.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
Dibenzofuran	ND		20	3.8	ug/L		02/14/23 02:01	02/20/23 13:09	2
Diethyl phthalate	ND		20	11	ug/L		02/14/23 02:01	02/20/23 13:09	2
Dimethyl phthalate	ND		20	4.0	ug/L		02/14/23 02:01	02/20/23 13:09	2
Di-n-butyl phthalate	**20**		20	15	ug/L		02/14/23 02:01	02/20/23 13:09	2
Di-n-octyl phthalate	ND		20	14	ug/L		02/14/23 02:01	02/20/23 13:09	2
Fluoranthene	ND		3.8	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
Fluorene	ND		3.8	1.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
Hexachlorocyclopentadiene	ND		20	9.9	ug/L		02/14/23 02:01	02/20/23 13:09	2
Hexachlorobenzene	ND		3.8	1.1	ug/L		02/14/23 02:01	02/20/23 13:09	2
Hexachlorobutadiene	ND		3.8	1.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
Hexachloroethane	ND		20	2.7	ug/L		02/14/23 02:01	02/20/23 13:09	2
Indeno[1,2,3-cd]pyrene	ND		3.8	1.7	ug/L		02/14/23 02:01	02/20/23 13:09	2
Isophorone	ND		20	3.8	ug/L		02/14/23 02:01	02/20/23 13:09	2
Naphthalene	ND		3.8	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2
Nitrobenzene	**3500**	**E**	40	10	ug/L		02/14/23 02:01	02/20/23 13:09	2
N-Nitrosodi-n-propylamine	ND		3.8	1.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
N-Nitrosodiphenylamine	ND		20	2.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
Pentachlorophenol	ND		100	17	ug/L		02/14/23 02:01	02/20/23 13:09	2
Phenanthrene	ND		3.8	1.1	ug/L		02/14/23 02:01	02/20/23 13:09	2
Phenol	ND		20	9.7	ug/L		02/14/23 02:01	02/20/23 13:09	2
Pyrene	ND		3.8	1.1	ug/L		02/14/23 02:01	02/20/23 13:09	2
Acenaphthylene	ND		3.8	1.3	ug/L		02/14/23 02:01	02/20/23 13:09	2
4-Methylphenol	ND		20	7.4	ug/L		02/14/23 02:01	02/20/23 13:09	2
2,2'-oxybis[1-chloropropane]	ND		3.8	1.2	ug/L		02/14/23 02:01	02/20/23 13:09	2

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*29*	*S1-*	*39 - 121*	*02/14/23 02:01*	*02/20/23 13:09*	*2*
2-Fluorobiphenyl	*49*		*45 - 105*	*02/14/23 02:01*	*02/20/23 13:09*	*2*
2-Fluorophenol	*24*	*S1-*	*38 - 105*	*02/14/23 02:01*	*02/20/23 13:09*	*2*
Nitrobenzene-d5	*33*	*S1-*	*45 - 106*	*02/14/23 02:01*	*02/20/23 13:09*	*2*
Phenol-d5	*25*	*S1-*	*38 - 105*	*02/14/23 02:01*	*02/20/23 13:09*	*2*
Terphenyl-d14	*34*		*28 - 125*	*02/14/23 02:01*	*02/20/23 13:09*	*2*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		48	24	ug/L		02/14/23 02:01	02/17/23 19:39	25
1,2,4-Trichlorobenzene	ND		250	33	ug/L		02/14/23 02:01	02/17/23 19:39	25
1,2-Dichlorobenzene	**870**		250	24	ug/L		02/14/23 02:01	02/17/23 19:39	25
1,3-Dichlorobenzene	ND		250	25	ug/L		02/14/23 02:01	02/17/23 19:39	25
1,4-Dichlorobenzene	**82**	**J**	250	15	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4,5-Trichlorophenol	ND		250	63	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4,6-Trichlorophenol	ND		250	56	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4-Dichlorophenol	ND		48	13	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4-Dimethylphenol	ND	*-	250	42	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4-Dinitrophenol	ND		2500	380	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,4-Dinitrotoluene	ND		250	88	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,6-Dinitrotoluene	ND		250	43	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Chloronaphthalene	ND		48	15	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Chlorophenol	ND		250	32	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Methylnaphthalene	ND		48	16	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Methylphenol	ND		250	75	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Nitroaniline	ND		1300	140	ug/L		02/14/23 02:01	02/17/23 19:39	25
2-Nitrophenol	ND		250	48	ug/L		02/14/23 02:01	02/17/23 19:39	25
3,3'-Dichlorobenzidine	ND		250	150	ug/L		02/14/23 02:01	02/17/23 19:39	25
3-Nitroaniline	ND		1300	110	ug/L		02/14/23 02:01	02/17/23 19:39	25
4,6-Dinitro-2-methylphenol	ND		1300	370	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Bromophenyl phenyl ether	ND		250	80	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Chloro-3-methylphenol	ND		250	70	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Chloroaniline	**540**		250	94	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Chlorophenyl phenyl ether	ND		250	55	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Nitroaniline	ND		1300	91	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Nitrophenol	ND		1300	240	ug/L		02/14/23 02:01	02/17/23 19:39	25
Acenaphthene	ND		48	16	ug/L		02/14/23 02:01	02/17/23 19:39	25
Anthracene	ND		48	12	ug/L		02/14/23 02:01	02/17/23 19:39	25
Benzo[a]anthracene	ND		48	19	ug/L		02/14/23 02:01	02/17/23 19:39	25
Benzo[a]pyrene	ND		48	13	ug/L		02/14/23 02:01	02/17/23 19:39	25
Benzo[g,h,i]perylene	ND		48	17	ug/L		02/14/23 02:01	02/17/23 19:39	25
Benzo[k]fluoranthene	ND		48	22	ug/L		02/14/23 02:01	02/17/23 19:39	25
Bis(2-chloroethoxy)methane	ND		250	38	ug/L		02/14/23 02:01	02/17/23 19:39	25
Bis(2-chloroethyl)ether	ND		48	10	ug/L		02/14/23 02:01	02/17/23 19:39	25
Bis(2-ethylhexyl) phthalate	ND		2500	1600	ug/L		02/14/23 02:01	02/17/23 19:39	25
Butyl benzyl phthalate	ND	^c	250	120	ug/L		02/14/23 02:01	02/17/23 19:39	25
Carbazole	ND		48	13	ug/L		02/14/23 02:01	02/17/23 19:39	25
Chrysene	ND		48	20	ug/L		02/14/23 02:01	02/17/23 19:39	25
Dibenz(a,h)anthracene	ND		48	18	ug/L		02/14/23 02:01	02/17/23 19:39	25
Dibenzofuran	ND		250	48	ug/L		02/14/23 02:01	02/17/23 19:39	25

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALARW02020723
Date Collected: 02/07/23 12:30
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-10
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		250	140	ug/L		02/14/23 02:01	02/17/23 19:39	25
Dimethyl phthalate	ND		250	50	ug/L		02/14/23 02:01	02/17/23 19:39	25
Di-n-butyl phthalate	ND		250	190	ug/L		02/14/23 02:01	02/17/23 19:39	25
Di-n-octyl phthalate	ND		250	170	ug/L		02/14/23 02:01	02/17/23 19:39	25
Fluoranthene	ND		48	15	ug/L		02/14/23 02:01	02/17/23 19:39	25
Fluorene	ND		48	17	ug/L		02/14/23 02:01	02/17/23 19:39	25
Hexachlorocyclopentadiene	ND		250	120	ug/L		02/14/23 02:01	02/17/23 19:39	25
Hexachlorobenzene	ND		48	14	ug/L		02/14/23 02:01	02/17/23 19:39	25
Hexachlorobutadiene	ND		48	17	ug/L		02/14/23 02:01	02/17/23 19:39	25
Hexachloroethane	ND		250	33	ug/L		02/14/23 02:01	02/17/23 19:39	25
Indeno[1,2,3-cd]pyrene	ND		48	21	ug/L		02/14/23 02:01	02/17/23 19:39	25
Isophorone	ND		250	47	ug/L		02/14/23 02:01	02/17/23 19:39	25
Naphthalene	ND		48	15	ug/L		02/14/23 02:01	02/17/23 19:39	25
Nitrobenzene	**6100**		500	130	ug/L		02/14/23 02:01	02/17/23 19:39	25
N-Nitrosodi-n-propylamine	ND		48	18	ug/L		02/14/23 02:01	02/17/23 19:39	25
N-Nitrosodiphenylamine	ND		250	30	ug/L		02/14/23 02:01	02/17/23 19:39	25
Pentachlorophenol	ND		1300	210	ug/L		02/14/23 02:01	02/17/23 19:39	25
Phenanthrene	ND		48	14	ug/L		02/14/23 02:01	02/17/23 19:39	25
Phenol	ND		250	120	ug/L		02/14/23 02:01	02/17/23 19:39	25
Pyrene	ND		48	14	ug/L		02/14/23 02:01	02/17/23 19:39	25
Acenaphthylene	ND		48	16	ug/L		02/14/23 02:01	02/17/23 19:39	25
4-Methylphenol	ND		250	93	ug/L		02/14/23 02:01	02/17/23 19:39	25
2,2'-oxybis[1-chloropropane]	ND		48	15	ug/L		02/14/23 02:01	02/17/23 19:39	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 19:39*	*25*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 19:39*	*25*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 19:39*	*25*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 19:39*	*25*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 19:39*	*25*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 19:39*	*25*

Client Sample ID: ALARW01020723
Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	50	ug/L			02/17/23 23:37	20
1,1,2,2-Tetrachloroethane	ND		100	60	ug/L			02/17/23 23:37	20
1,1,2-Trichloroethane	ND		100	48	ug/L			02/17/23 23:37	20
1,1-Dichloroethane	ND		100	36	ug/L			02/17/23 23:37	20
1,1-Dichloroethene	ND		100	57	ug/L			02/17/23 23:37	20
1,2-Dichloroethane	ND		100	29	ug/L			02/17/23 23:37	20
1,2-Dichloroethene, Total	ND		200	80	ug/L			02/17/23 23:37	20
1,2-Dichloropropane	ND		100	49	ug/L			02/17/23 23:37	20
2-Butanone (MEK)	ND	^c	100	58	ug/L			02/17/23 23:37	20
2-Hexanone	ND		100	84	ug/L			02/17/23 23:37	20
4-Methyl-2-pentanone (MIBK)	ND	^c	100	37	ug/L			02/17/23 23:37	20
Acetone	ND	^c	400	110	ug/L			02/17/23 23:37	20
Benzene	**100**		100	39	ug/L			02/17/23 23:37	20
Bromoform	ND		100	52	ug/L			02/17/23 23:37	20
Bromomethane	ND	^c	100	90	ug/L			02/17/23 23:37	20
Carbon disulfide	ND		100	60	ug/L			02/17/23 23:37	20
Carbon tetrachloride	ND	^c	100	66	ug/L			02/17/23 23:37	20
Chlorobenzene	**9100**	**E**	100	31	ug/L			02/17/23 23:37	20
Dibromochloromethane	ND		100	48	ug/L			02/17/23 23:37	20
Chloroform	ND		100	42	ug/L			02/17/23 23:37	20
Chloromethane	ND		100	77	ug/L			02/17/23 23:37	20
Chloroethane	ND		100	52	ug/L			02/17/23 23:37	20
cis-1,3-Dichloropropene	ND		100	32	ug/L			02/17/23 23:37	20
Bromodichloromethane	ND		100	47	ug/L			02/17/23 23:37	20
Ethylbenzene	ND		100	43	ug/L			02/17/23 23:37	20
Methylene Chloride	ND		100	77	ug/L			02/17/23 23:37	20
Styrene	ND		100	27	ug/L			02/17/23 23:37	20
Tetrachloroethene	ND		100	40	ug/L			02/17/23 23:37	20
Toluene	**620**		100	34	ug/L			02/17/23 23:37	20
trans-1,3-Dichloropropene	ND		100	35	ug/L			02/17/23 23:37	20
Trichloroethene	ND		100	30	ug/L			02/17/23 23:37	20
Xylenes, Total	ND		200	86	ug/L			02/17/23 23:37	20
Vinyl chloride	ND		100	73	ug/L			02/17/23 23:37	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*52 - 151*		*02/17/23 23:37*	*20*
4-Bromofluorobenzene (Surr)	*64*		*49 - 118*		*02/17/23 23:37*	*20*
Dibromofluoromethane (Surr)	*126*		*60 - 132*		*02/17/23 23:37*	*20*
Toluene-d8 (Surr)	*63*		*53 - 124*		*02/17/23 23:37*	*20*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500	1300	ug/L			02/19/23 02:15	500
1,1,2,2-Tetrachloroethane	ND		2500	1500	ug/L			02/19/23 02:15	500
1,1,2-Trichloroethane	ND		2500	1200	ug/L			02/19/23 02:15	500
1,1-Dichloroethane	ND		2500	910	ug/L			02/19/23 02:15	500
1,1-Dichloroethene	ND		2500	1400	ug/L			02/19/23 02:15	500
1,2-Dichloroethane	ND		2500	730	ug/L			02/19/23 02:15	500
1,2-Dichloroethene, Total	ND		5000	2000	ug/L			02/19/23 02:15	500
1,2-Dichloropropane	ND		2500	1200	ug/L			02/19/23 02:15	500

Client Sample ID: ALARW01020723
Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		2500	1400	ug/L			02/19/23 02:15	500
2-Hexanone	ND		2500	2100	ug/L			02/19/23 02:15	500
4-Methyl-2-pentanone (MIBK)	ND	^c	2500	930	ug/L			02/19/23 02:15	500
Acetone	ND	^c	10000	2700	ug/L			02/19/23 02:15	500
Benzene	ND		2500	980	ug/L			02/19/23 02:15	500
Bromoform	ND		2500	1300	ug/L			02/19/23 02:15	500
Bromomethane	ND	^c *+	2500	2200	ug/L			02/19/23 02:15	500
Carbon disulfide	ND		2500	1500	ug/L			02/19/23 02:15	500
Carbon tetrachloride	ND	^c *+	2500	1700	ug/L			02/19/23 02:15	500
Chlorobenzene	**9500**		2500	790	ug/L			02/19/23 02:15	500
Dibromochloromethane	ND		2500	1200	ug/L			02/19/23 02:15	500
Chloroform	ND	*+	2500	1100	ug/L			02/19/23 02:15	500
Chloromethane	ND		2500	1900	ug/L			02/19/23 02:15	500
Chloroethane	ND	^c	2500	1300	ug/L			02/19/23 02:15	500
cis-1,3-Dichloropropene	ND		2500	800	ug/L			02/19/23 02:15	500
Bromodichloromethane	ND		2500	1200	ug/L			02/19/23 02:15	500
Ethylbenzene	ND		2500	1100	ug/L			02/19/23 02:15	500
Methylene Chloride	ND		2500	1900	ug/L			02/19/23 02:15	500
Styrene	ND		2500	670	ug/L			02/19/23 02:15	500
Tetrachloroethene	ND		2500	1000	ug/L			02/19/23 02:15	500
Toluene	ND		2500	840	ug/L			02/19/23 02:15	500
trans-1,3-Dichloropropene	ND		2500	860	ug/L			02/19/23 02:15	500
Trichloroethene	ND		2500	750	ug/L			02/19/23 02:15	500
Xylenes, Total	ND		5000	2200	ug/L			02/19/23 02:15	500
Vinyl chloride	ND		2500	1800	ug/L			02/19/23 02:15	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*139*		*52 - 151*		*02/19/23 02:15*	*500*
4-Bromofluorobenzene (Surr)	*65*		*49 - 118*		*02/19/23 02:15*	*500*
Dibromofluoromethane (Surr)	*133*	*S1+*	*60 - 132*		*02/19/23 02:15*	*500*
Toluene-d8 (Surr)	*72*		*53 - 124*		*02/19/23 02:15*	*500*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		57	29	ug/L		02/14/23 02:01	02/17/23 20:01	30
1,2,4-Trichlorobenzene	ND		300	39	ug/L		02/14/23 02:01	02/17/23 20:01	30
1,2-Dichlorobenzene	**1000**		300	28	ug/L		02/14/23 02:01	02/17/23 20:01	30
1,3-Dichlorobenzene	ND		300	30	ug/L		02/14/23 02:01	02/17/23 20:01	30
1,4-Dichlorobenzene	**42**	**J**	300	18	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4,5-Trichlorophenol	ND		300	76	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4,6-Trichlorophenol	ND		300	67	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4-Dichlorophenol	ND		57	15	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4-Dimethylphenol	ND	*-	300	50	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4-Dinitrophenol	ND		3000	460	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,4-Dinitrotoluene	ND		300	110	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,6-Dinitrotoluene	ND		300	52	ug/L		02/14/23 02:01	02/17/23 20:01	30
2-Chloronaphthalene	ND		57	18	ug/L		02/14/23 02:01	02/17/23 20:01	30
2-Chlorophenol	ND		300	39	ug/L		02/14/23 02:01	02/17/23 20:01	30
2-Methylnaphthalene	ND		57	19	ug/L		02/14/23 02:01	02/17/23 20:01	30
2-Methylphenol	ND		300	90	ug/L		02/14/23 02:01	02/17/23 20:01	30

Client Sample ID: ALARW01020723
Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1500	160	ug/L		02/14/23 02:01	02/17/23 20:01	30
2-Nitrophenol	ND		300	58	ug/L		02/14/23 02:01	02/17/23 20:01	30
3,3'-Dichlorobenzidine	ND		300	170	ug/L		02/14/23 02:01	02/17/23 20:01	30
3-Nitroaniline	ND		1500	130	ug/L		02/14/23 02:01	02/17/23 20:01	30
4,6-Dinitro-2-methylphenol	ND		1500	440	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Bromophenyl phenyl ether	ND		300	96	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Chloro-3-methylphenol	ND		300	83	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Chloroaniline	**12000**		300	110	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Chlorophenyl phenyl ether	ND		300	66	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Nitroaniline	ND		1500	110	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Nitrophenol	ND		1500	280	ug/L		02/14/23 02:01	02/17/23 20:01	30
Acenaphthene	ND		57	20	ug/L		02/14/23 02:01	02/17/23 20:01	30
Anthracene	ND		57	15	ug/L		02/14/23 02:01	02/17/23 20:01	30
Benzo[a]anthracene	ND		57	23	ug/L		02/14/23 02:01	02/17/23 20:01	30
Benzo[a]pyrene	ND		57	16	ug/L		02/14/23 02:01	02/17/23 20:01	30
Benzo[g,h,i]perylene	ND		57	21	ug/L		02/14/23 02:01	02/17/23 20:01	30
Benzo[k]fluoranthene	ND		57	26	ug/L		02/14/23 02:01	02/17/23 20:01	30
Bis(2-chloroethoxy)methane	ND		300	46	ug/L		02/14/23 02:01	02/17/23 20:01	30
Bis(2-chloroethyl)ether	ND		57	12	ug/L		02/14/23 02:01	02/17/23 20:01	30
Bis(2-ethylhexyl) phthalate	ND		3000	1900	ug/L		02/14/23 02:01	02/17/23 20:01	30
Butyl benzyl phthalate	ND	^c	300	140	ug/L		02/14/23 02:01	02/17/23 20:01	30
Carbazole	ND		57	15	ug/L		02/14/23 02:01	02/17/23 20:01	30
Chrysene	ND		57	24	ug/L		02/14/23 02:01	02/17/23 20:01	30
Dibenz(a,h)anthracene	ND		57	22	ug/L		02/14/23 02:01	02/17/23 20:01	30
Dibenzofuran	ND		300	57	ug/L		02/14/23 02:01	02/17/23 20:01	30
Diethyl phthalate	ND		300	170	ug/L		02/14/23 02:01	02/17/23 20:01	30
Dimethyl phthalate	ND		300	60	ug/L		02/14/23 02:01	02/17/23 20:01	30
Di-n-butyl phthalate	ND		300	220	ug/L		02/14/23 02:01	02/17/23 20:01	30
Di-n-octyl phthalate	ND		300	210	ug/L		02/14/23 02:01	02/17/23 20:01	30
Fluoranthene	ND		57	18	ug/L		02/14/23 02:01	02/17/23 20:01	30
Fluorene	ND		57	21	ug/L		02/14/23 02:01	02/17/23 20:01	30
Hexachlorocyclopentadiene	ND		300	150	ug/L		02/14/23 02:01	02/17/23 20:01	30
Hexachlorobenzene	ND		57	17	ug/L		02/14/23 02:01	02/17/23 20:01	30
Hexachlorobutadiene	ND		57	21	ug/L		02/14/23 02:01	02/17/23 20:01	30
Hexachloroethane	ND		300	40	ug/L		02/14/23 02:01	02/17/23 20:01	30
Indeno[1,2,3-cd]pyrene	ND		57	26	ug/L		02/14/23 02:01	02/17/23 20:01	30
Isophorone	ND		300	56	ug/L		02/14/23 02:01	02/17/23 20:01	30
Naphthalene	ND		57	18	ug/L		02/14/23 02:01	02/17/23 20:01	30
Nitrobenzene	**110000**	**E**	600	150	ug/L		02/14/23 02:01	02/17/23 20:01	30
N-Nitrosodi-n-propylamine	ND		57	21	ug/L		02/14/23 02:01	02/17/23 20:01	30
N-Nitrosodiphenylamine	ND		300	36	ug/L		02/14/23 02:01	02/17/23 20:01	30
Pentachlorophenol	ND		1500	250	ug/L		02/14/23 02:01	02/17/23 20:01	30
Phenanthrene	ND		57	17	ug/L		02/14/23 02:01	02/17/23 20:01	30
Phenol	ND		300	150	ug/L		02/14/23 02:01	02/17/23 20:01	30
Pyrene	ND		57	16	ug/L		02/14/23 02:01	02/17/23 20:01	30
Acenaphthylene	ND		57	20	ug/L		02/14/23 02:01	02/17/23 20:01	30
4-Methylphenol	ND		300	110	ug/L		02/14/23 02:01	02/17/23 20:01	30
2,2'-oxybis[1-chloropropane]	ND		57	17	ug/L		02/14/23 02:01	02/17/23 20:01	30

Client Sample ID: ALARW01020723
Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1- D*	*39 - 121*	*02/14/23 02:01*	*02/17/23 20:01*	*30*
2-Fluorobiphenyl	*0*	*S1- D*	*45 - 105*	*02/14/23 02:01*	*02/17/23 20:01*	*30*
2-Fluorophenol	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/17/23 20:01*	*30*
Nitrobenzene-d5	*0*	*S1- D*	*45 - 106*	*02/14/23 02:01*	*02/17/23 20:01*	*30*
Phenol-d5	*0*	*S1- D*	*38 - 105*	*02/14/23 02:01*	*02/17/23 20:01*	*30*
Terphenyl-d14	*0*	*S1- D*	*28 - 125*	*02/14/23 02:01*	*02/17/23 20:01*	*30*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		1100	580	ug/L		02/14/23 02:01	02/17/23 23:19	600
1,2,4-Trichlorobenzene	ND		6000	790	ug/L		02/14/23 02:01	02/17/23 23:19	600
1,2-Dichlorobenzene	**1100**	**J**	6000	570	ug/L		02/14/23 02:01	02/17/23 23:19	600
1,3-Dichlorobenzene	ND		6000	590	ug/L		02/14/23 02:01	02/17/23 23:19	600
1,4-Dichlorobenzene	ND		6000	370	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4,5-Trichlorophenol	ND		6000	1500	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4,6-Trichlorophenol	ND		6000	1300	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4-Dichlorophenol	ND		1100	310	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4-Dimethylphenol	ND	*-	6000	1000	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4-Dinitrophenol	ND		60000	9200	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,4-Dinitrotoluene	ND		6000	2100	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,6-Dinitrotoluene	ND		6000	1000	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Chloronaphthalene	ND		1100	350	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Chlorophenol	ND		6000	770	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Methylnaphthalene	ND		1100	370	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Methylphenol	ND		6000	1800	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Nitroaniline	ND		30000	3300	ug/L		02/14/23 02:01	02/17/23 23:19	600
2-Nitrophenol	ND		6000	1200	ug/L		02/14/23 02:01	02/17/23 23:19	600
3,3'-Dichlorobenzidine	ND		6000	3500	ug/L		02/14/23 02:01	02/17/23 23:19	600
3-Nitroaniline	ND		30000	2600	ug/L		02/14/23 02:01	02/17/23 23:19	600
4,6-Dinitro-2-methylphenol	ND		30000	8800	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Bromophenyl phenyl ether	ND		6000	1900	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Chloro-3-methylphenol	ND		6000	1700	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Chloroaniline	**9700**		6000	2300	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Chlorophenyl phenyl ether	ND		6000	1300	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Nitroaniline	ND		30000	2200	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Nitrophenol	ND	^c	30000	5600	ug/L		02/14/23 02:01	02/17/23 23:19	600
Acenaphthene	ND		1100	390	ug/L		02/14/23 02:01	02/17/23 23:19	600
Anthracene	ND		1100	290	ug/L		02/14/23 02:01	02/17/23 23:19	600
Benzo[a]anthracene	ND		1100	450	ug/L		02/14/23 02:01	02/17/23 23:19	600
Benzo[a]pyrene	ND		1100	320	ug/L		02/14/23 02:01	02/17/23 23:19	600
Benzo[g,h,i]perylene	ND		1100	410	ug/L		02/14/23 02:01	02/17/23 23:19	600
Benzo[k]fluoranthene	ND		1100	530	ug/L		02/14/23 02:01	02/17/23 23:19	600
Bis(2-chloroethoxy)methane	ND		6000	910	ug/L		02/14/23 02:01	02/17/23 23:19	600
Bis(2-chloroethyl)ether	ND		1100	240	ug/L		02/14/23 02:01	02/17/23 23:19	600
Bis(2-ethylhexyl) phthalate	ND		60000	37000	ug/L		02/14/23 02:01	02/17/23 23:19	600
Butyl benzyl phthalate	ND		6000	2800	ug/L		02/14/23 02:01	02/17/23 23:19	600
Carbazole	ND		1100	310	ug/L		02/14/23 02:01	02/17/23 23:19	600
Chrysene	ND		1100	490	ug/L		02/14/23 02:01	02/17/23 23:19	600
Dibenz(a,h)anthracene	ND		1100	430	ug/L		02/14/23 02:01	02/17/23 23:19	600
Dibenzofuran	ND		6000	1100	ug/L		02/14/23 02:01	02/17/23 23:19	600

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

Client Sample ID: ALARW01020723
Date Collected: 02/07/23 13:00
Date Received: 02/08/23 14:29

Lab Sample ID: 180-151719-11
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		6000	3400	ug/L		02/14/23 02:01	02/17/23 23:19	600
Dimethyl phthalate	ND		6000	1200	ug/L		02/14/23 02:01	02/17/23 23:19	600
Di-n-butyl phthalate	ND		6000	4500	ug/L		02/14/23 02:01	02/17/23 23:19	600
Di-n-octyl phthalate	ND		6000	4100	ug/L		02/14/23 02:01	02/17/23 23:19	600
Fluoranthene	ND		1100	360	ug/L		02/14/23 02:01	02/17/23 23:19	600
Fluorene	ND		1100	410	ug/L		02/14/23 02:01	02/17/23 23:19	600
Hexachlorocyclopentadiene	ND	^c	6000	3000	ug/L		02/14/23 02:01	02/17/23 23:19	600
Hexachlorobenzene	ND		1100	340	ug/L		02/14/23 02:01	02/17/23 23:19	600
Hexachlorobutadiene	ND		1100	410	ug/L		02/14/23 02:01	02/17/23 23:19	600
Hexachloroethane	ND		6000	800	ug/L		02/14/23 02:01	02/17/23 23:19	600
Indeno[1,2,3-cd]pyrene	ND		1100	510	ug/L		02/14/23 02:01	02/17/23 23:19	600
Isophorone	ND		6000	1100	ug/L		02/14/23 02:01	02/17/23 23:19	600
Naphthalene	ND		1100	350	ug/L		02/14/23 02:01	02/17/23 23:19	600
Nitrobenzene	**140000**		12000	3000	ug/L		02/14/23 02:01	02/17/23 23:19	600
N-Nitrosodi-n-propylamine	ND		1100	430	ug/L		02/14/23 02:01	02/17/23 23:19	600
N-Nitrosodiphenylamine	ND		6000	710	ug/L		02/14/23 02:01	02/17/23 23:19	600
Pentachlorophenol	ND		30000	5100	ug/L		02/14/23 02:01	02/17/23 23:19	600
Phenanthrene	ND		1100	330	ug/L		02/14/23 02:01	02/17/23 23:19	600
Phenol	ND		6000	2900	ug/L		02/14/23 02:01	02/17/23 23:19	600
Pyrene	ND		1100	320	ug/L		02/14/23 02:01	02/17/23 23:19	600
Acenaphthylene	ND		1100	390	ug/L		02/14/23 02:01	02/17/23 23:19	600
4-Methylphenol	ND		6000	2200	ug/L		02/14/23 02:01	02/17/23 23:19	600
2,2'-oxybis[1-chloropropane]	ND		1100	350	ug/L		02/14/23 02:01	02/17/23 23:19	600

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D S1-*	*39 - 121*	*02/14/23 02:01*	*02/17/23 23:19*	*600*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*02/14/23 02:01*	*02/17/23 23:19*	*600*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 23:19*	*600*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*02/14/23 02:01*	*02/17/23 23:19*	*600*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*02/14/23 02:01*	*02/17/23 23:19*	*600*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*02/14/23 02:01*	*02/17/23 23:19*	*600*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-425898/7
Matrix: Water
Analysis Batch: 425898

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		5.0	2.5	ug/L			02/10/23 10:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/10/23 10:52	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/10/23 10:52	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/10/23 10:52	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/10/23 10:52	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/10/23 10:52	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/10/23 10:52	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/10/23 10:52	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/10/23 10:52	1
2-Hexanone	ND		5.0	4.2	ug/L			02/10/23 10:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/10/23 10:52	1
Acetone	ND		20	5.5	ug/L			02/10/23 10:52	1
Benzene	ND		5.0	2.0	ug/L			02/10/23 10:52	1
Bromoform	ND		5.0	2.6	ug/L			02/10/23 10:52	1
Bromomethane	ND		5.0	4.5	ug/L			02/10/23 10:52	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/10/23 10:52	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/10/23 10:52	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/10/23 10:52	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/10/23 10:52	1
Chloroform	ND		5.0	2.1	ug/L			02/10/23 10:52	1
Chloromethane	ND		5.0	3.9	ug/L			02/10/23 10:52	1
Chloroethane	ND		5.0	2.6	ug/L			02/10/23 10:52	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/10/23 10:52	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/10/23 10:52	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/10/23 10:52	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/10/23 10:52	1
Styrene	ND		5.0	1.3	ug/L			02/10/23 10:52	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/10/23 10:52	1
Toluene	ND		5.0	1.7	ug/L			02/10/23 10:52	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/10/23 10:52	1
Trichloroethene	ND		5.0	1.5	ug/L			02/10/23 10:52	1
Xylenes, Total	ND		10	4.3	ug/L			02/10/23 10:52	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/10/23 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 151*		*02/10/23 10:52*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 118*		*02/10/23 10:52*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 132*		*02/10/23 10:52*	*1*
Toluene-d8 (Surr)	*106*		*53 - 124*		*02/10/23 10:52*	*1*

Lab Sample ID: LCS 180-425898/3
Matrix: Water
Analysis Batch: 425898

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	64 - 133
1,1,2,2-Tetrachloroethane	10.0	10.3		ug/L		103	47 - 147
1,1,2-Trichloroethane	10.0	10.6		ug/L		106	59 - 137

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

Lab Sample ID: LCS 180-425898/3
Matrix: Water
Analysis Batch: 425898

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	10.0	10.6		ug/L		106	59 - 125
1,1-Dichloroethene	10.0	9.38		ug/L		94	49 - 132
1,2-Dichloroethane	10.0	10.1		ug/L		101	57 - 149
1,2-Dichloroethene, Total	20.0	19.1		ug/L		96	64 - 123
1,2-Dichloropropane	10.0	10.4		ug/L		104	65 - 129
2-Butanone (MEK)	10.0	12.7		ug/L		127	35 - 158
2-Hexanone	10.0	14.6		ug/L		146	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	11.2		ug/L		112	29 - 167
Acetone	10.0	10.9	J	ug/L		109	29 - 163
Benzene	10.0	10.1		ug/L		101	68 - 122
Bromoform	10.0	11.2		ug/L		112	31 - 164
Bromomethane	10.0	7.24		ug/L		72	20 - 170
Carbon disulfide	10.0	10.4		ug/L		104	32 - 139
Carbon tetrachloride	10.0	10.0		ug/L		100	60 - 135
Chlorobenzene	10.0	10.5		ug/L		105	72 - 123
Dibromochloromethane	10.0	10.1		ug/L		101	51 - 144
Chloroform	10.0	10.0		ug/L		100	62 - 121
Chloromethane	10.0	8.83		ug/L		88	37 - 170
Chloroethane	10.0	8.30		ug/L		83	10 - 170
cis-1,3-Dichloropropene	10.0	10.5		ug/L		105	53 - 140
Bromodichloromethane	10.0	10.4		ug/L		104	63 - 132
Ethylbenzene	10.0	10.5		ug/L		105	66 - 122
Methylene Chloride	10.0	9.18		ug/L		92	51 - 137
Styrene	10.0	10.8		ug/L		108	68 - 127
Tetrachloroethene	10.0	10.7		ug/L		107	60 - 129
Toluene	10.0	10.5		ug/L		105	67 - 128
trans-1,3-Dichloropropene	10.0	11.0		ug/L		110	57 - 137
Trichloroethene	10.0	9.22		ug/L		92	67 - 121
Xylenes, Total	20.0	21.3		ug/L		107	64 - 123
Vinyl chloride	10.0	10.7		ug/L		107	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*52 - 151*
4-Bromofluorobenzene (Surr)	*111*		*49 - 118*
Dibromofluoromethane (Surr)	*97*		*60 - 132*
Toluene-d8 (Surr)	*106*		*53 - 124*

Lab Sample ID: LCSD 180-425898/4
Matrix: Water
Analysis Batch: 425898

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	10.0	9.87		ug/L		99	64 - 133	7	22
1,1,2,2-Tetrachloroethane	10.0	10.8		ug/L		108	47 - 147	5	35
1,1,2-Trichloroethane	10.0	11.0		ug/L		110	59 - 137	5	29
1,1-Dichloroethane	10.0	10.0		ug/L		100	59 - 125	6	20
1,1-Dichloroethene	10.0	8.65		ug/L		86	49 - 132	8	23
1,2-Dichloroethane	10.0	10.5		ug/L		105	57 - 149	4	27

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

Lab Sample ID: LCSD 180-425898/4
Matrix: Water
Analysis Batch: 425898

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethene, Total	20.0	18.5		ug/L		93	64 - 123	3	22
1,2-Dichloropropane	10.0	10.6		ug/L		106	65 - 129	2	23
2-Butanone (MEK)	10.0	13.9		ug/L		139	35 - 158	8	35
2-Hexanone	10.0	15.6		ug/L		156	38 - 157	6	35
4-Methyl-2-pentanone (MIBK)	10.0	11.9		ug/L		119	29 - 167	6	35
Acetone	10.0	11.9	J	ug/L		119	29 - 163	9	35
Benzene	10.0	9.63		ug/L		96	68 - 122	5	21
Bromoform	10.0	11.6		ug/L		116	31 - 164	4	35
Bromomethane	10.0	6.71		ug/L		67	20 - 170	8	30
Carbon disulfide	10.0	9.26		ug/L		93	32 - 139	11	25
Carbon tetrachloride	10.0	9.50		ug/L		95	60 - 135	5	25
Chlorobenzene	10.0	10.0		ug/L		100	72 - 123	4	19
Dibromochloromethane	10.0	10.1		ug/L		101	51 - 144	0	25
Chloroform	10.0	9.91		ug/L		99	62 - 121	1	22
Chloromethane	10.0	7.94		ug/L		79	37 - 170	11	28
Chloroethane	10.0	7.69		ug/L		77	10 - 170	8	29
cis-1,3-Dichloropropene	10.0	10.7		ug/L		107	53 - 140	2	26
Bromodichloromethane	10.0	10.3		ug/L		103	63 - 132	1	24
Ethylbenzene	10.0	10.2		ug/L		102	66 - 122	3	22
Methylene Chloride	10.0	9.48		ug/L		95	51 - 137	3	35
Styrene	10.0	10.6		ug/L		106	68 - 127	1	22
Tetrachloroethene	10.0	10.2		ug/L		102	60 - 129	5	22
Toluene	10.0	9.98		ug/L		100	67 - 128	5	22
trans-1,3-Dichloropropene	10.0	11.3		ug/L		113	57 - 137	3	25
Trichloroethene	10.0	8.64		ug/L		86	67 - 121	6	23
Xylenes, Total	20.0	20.5		ug/L		103	64 - 123	4	21
Vinyl chloride	10.0	9.37		ug/L		94	47 - 147	13	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 151*
4-Bromofluorobenzene (Surr)	*109*		*49 - 118*
Dibromofluoromethane (Surr)	*96*		*60 - 132*
Toluene-d8 (Surr)	*101*		*53 - 124*

Lab Sample ID: MB 180-426114/6
Matrix: Water
Analysis Batch: 426114

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		5.0	2.5	ug/L			02/13/23 11:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/13/23 11:27	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/13/23 11:27	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/13/23 11:27	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/13/23 11:27	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/13/23 11:27	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/13/23 11:27	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/13/23 11:27	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/13/23 11:27	1

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

Lab Sample ID: MB 180-426114/6
Matrix: Water
Analysis Batch: 426114

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	4.2	ug/L			02/13/23 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/13/23 11:27	1
Acetone	ND		20	5.5	ug/L			02/13/23 11:27	1
Benzene	ND		5.0	2.0	ug/L			02/13/23 11:27	1
Bromoform	ND		5.0	2.6	ug/L			02/13/23 11:27	1
Bromomethane	ND		5.0	4.5	ug/L			02/13/23 11:27	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/13/23 11:27	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/13/23 11:27	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/13/23 11:27	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/13/23 11:27	1
Chloroform	ND		5.0	2.1	ug/L			02/13/23 11:27	1
Chloromethane	ND		5.0	3.9	ug/L			02/13/23 11:27	1
Chloroethane	ND		5.0	2.6	ug/L			02/13/23 11:27	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/13/23 11:27	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/13/23 11:27	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/13/23 11:27	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/13/23 11:27	1
Styrene	ND		5.0	1.3	ug/L			02/13/23 11:27	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/13/23 11:27	1
Toluene	ND		5.0	1.7	ug/L			02/13/23 11:27	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/13/23 11:27	1
Trichloroethene	ND		5.0	1.5	ug/L			02/13/23 11:27	1
Xylenes, Total	ND		10	4.3	ug/L			02/13/23 11:27	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/13/23 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*52 - 151*		*02/13/23 11:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 118*		*02/13/23 11:27*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 132*		*02/13/23 11:27*	*1*
Toluene-d8 (Surr)	*96*		*53 - 124*		*02/13/23 11:27*	*1*

Lab Sample ID: LCS 180-426114/3
Matrix: Water
Analysis Batch: 426114

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	64 - 133
1,1,2,2-Tetrachloroethane	10.0	10.4		ug/L		104	47 - 147
1,1,2-Trichloroethane	10.0	10.9		ug/L		109	59 - 137
1,1-Dichloroethane	10.0	10.4		ug/L		104	59 - 125
1,1-Dichloroethene	10.0	9.42		ug/L		94	49 - 132
1,2-Dichloroethane	10.0	9.91		ug/L		99	57 - 149
1,2-Dichloroethene, Total	20.0	18.9		ug/L		94	64 - 123
1,2-Dichloropropane	10.0	10.0		ug/L		100	65 - 129
2-Butanone (MEK)	10.0	11.9		ug/L		119	35 - 158
2-Hexanone	10.0	14.2		ug/L		142	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	11.0		ug/L		110	29 - 167
Acetone	10.0	10.7	J	ug/L		107	29 - 163

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

Lab Sample ID: LCS 180-426114/3
Matrix: Water
Analysis Batch: 426114

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.85		ug/L		99	68 - 122
Bromoform	10.0	11.9		ug/L		119	31 - 164
Bromomethane	10.0	6.32		ug/L		63	20 - 170
Carbon disulfide	10.0	9.79		ug/L		98	32 - 139
Carbon tetrachloride	10.0	10.3		ug/L		103	60 - 135
Chlorobenzene	10.0	10.6		ug/L		106	72 - 123
Dibromochloromethane	10.0	10.5		ug/L		105	51 - 144
Chloroform	10.0	9.88		ug/L		99	62 - 121
Chloromethane	10.0	6.00		ug/L		60	37 - 170
Chloroethane	10.0	6.98		ug/L		70	10 - 170
cis-1,3-Dichloropropene	10.0	10.3		ug/L		103	53 - 140
Bromodichloromethane	10.0	10.1		ug/L		101	63 - 132
Ethylbenzene	10.0	11.0		ug/L		110	66 - 122
Methylene Chloride	10.0	7.98		ug/L		80	51 - 137
Styrene	10.0	11.1		ug/L		111	68 - 127
Tetrachloroethene	10.0	11.4		ug/L		114	60 - 129
Toluene	10.0	10.8		ug/L		108	67 - 128
trans-1,3-Dichloropropene	10.0	11.2		ug/L		112	57 - 137
Trichloroethene	10.0	9.24		ug/L		92	67 - 121
Xylenes, Total	20.0	21.9		ug/L		110	64 - 123
Vinyl chloride	10.0	7.62		ug/L		76	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*52 - 151*
4-Bromofluorobenzene (Surr)	*115*		*49 - 118*
Dibromofluoromethane (Surr)	*96*		*60 - 132*
Toluene-d8 (Surr)	*111*		*53 - 124*

Lab Sample ID: LCSD 180-426114/4
Matrix: Water
Analysis Batch: 426114

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	10.0	9.84		ug/L		98	64 - 133	9	22
1,1,2,2-Tetrachloroethane	10.0	10.3		ug/L		103	47 - 147	1	35
1,1,2-Trichloroethane	10.0	11.1		ug/L		111	59 - 137	2	29
1,1-Dichloroethane	10.0	10.4		ug/L		104	59 - 125	0	20
1,1-Dichloroethene	10.0	8.32		ug/L		83	49 - 132	12	23
1,2-Dichloroethane	10.0	10.2		ug/L		102	57 - 149	3	27
1,2-Dichloroethene, Total	20.0	19.3		ug/L		96	64 - 123	2	22
1,2-Dichloropropane	10.0	10.0		ug/L		100	65 - 129	0	23
2-Butanone (MEK)	10.0	11.8		ug/L		118	35 - 158	1	35
2-Hexanone	10.0	14.6		ug/L		146	38 - 157	3	35
4-Methyl-2-pentanone (MIBK)	10.0	11.0		ug/L		110	29 - 167	0	35
Acetone	10.0	10.7	J	ug/L		107	29 - 163	0	35
Benzene	10.0	9.83		ug/L		98	68 - 122	0	21
Bromoform	10.0	11.3		ug/L		113	31 - 164	5	35
Bromomethane	10.0	6.07		ug/L		61	20 - 170	4	30

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

Lab Sample ID: LCSD 180-426114/4
Matrix: Water
Analysis Batch: 426114

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			10.0	9.09		ug/L		91	32 - 139	7	25
Carbon tetrachloride			10.0	9.64		ug/L		96	60 - 135	7	25
Chlorobenzene			10.0	10.5		ug/L		105	72 - 123	1	19
Dibromochloromethane			10.0	10.3		ug/L		103	51 - 144	2	25
Chloroform			10.0	10.1		ug/L		101	62 - 121	2	22
Chloromethane			10.0	5.86		ug/L		59	37 - 170	2	28
Chloroethane			10.0	6.44		ug/L		64	10 - 170	8	29
cis-1,3-Dichloropropene			10.0	10.3		ug/L		103	53 - 140	0	26
Bromodichloromethane			10.0	10.2		ug/L		102	63 - 132	1	24
Ethylbenzene			10.0	10.8		ug/L		108	66 - 122	2	22
Methylene Chloride			10.0	7.26		ug/L		73	51 - 137	9	35
Styrene			10.0	10.9		ug/L		109	68 - 127	2	22
Tetrachloroethene			10.0	11.1		ug/L		111	60 - 129	3	22
Toluene			10.0	10.6		ug/L		106	67 - 128	1	22
trans-1,3-Dichloropropene			10.0	11.1		ug/L		111	57 - 137	1	25
Trichloroethene			10.0	9.07		ug/L		91	67 - 121	2	23
Xylenes, Total			20.0	21.6		ug/L		108	64 - 123	1	21
Vinyl chloride			10.0	7.31		ug/L		73	47 - 147	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*52 - 151*
4-Bromofluorobenzene (Surr)	*119*	*S1+*	*49 - 118*
Dibromofluoromethane (Surr)	*102*		*60 - 132*
Toluene-d8 (Surr)	*115*		*53 - 124*

Lab Sample ID: 180-151719-4 MS
Matrix: Water
Analysis Batch: 426114

Client Sample ID: ALAPW04020723
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		1000	904		ug/L		90	64 - 133
1,1,2,2-Tetrachloroethane	ND		1000	948		ug/L		95	47 - 147
1,1,2-Trichloroethane	ND		1000	1010		ug/L		101	59 - 137
1,1-Dichloroethane	ND		1000	907		ug/L		91	59 - 125
1,1-Dichloroethene	ND		1000	738		ug/L		74	49 - 132
1,2-Dichloroethane	ND		1000	1040		ug/L		104	57 - 149
1,2-Dichloroethene, Total	ND		2000	1660		ug/L		83	64 - 123
1,2-Dichloropropane	ND		1000	924		ug/L		92	65 - 129
2-Butanone (MEK)	ND		1000	623		ug/L		62	35 - 158
2-Hexanone	ND	^c	1000	959		ug/L		96	38 - 157
4-Methyl-2-pentanone (MIBK)	ND		1000	946		ug/L		95	29 - 167
Acetone	ND	FL	1000	ND	FL	ug/L		0	29 - 163
Benzene	ND		1000	936		ug/L		94	68 - 122
Bromoform	ND		1000	1020		ug/L		102	31 - 164
Bromomethane	ND	^c	1000	562		ug/L		56	20 - 170
Carbon disulfide	ND		1000	756		ug/L		76	32 - 139
Carbon tetrachloride	ND		1000	849		ug/L		85	60 - 135
Chlorobenzene	3400		1000	4300		ug/L		93	72 - 123

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

Lab Sample ID: 180-151719-4 MS
Matrix: Water
Analysis Batch: 426114

Client Sample ID: ALAPW04020723
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	ND		1000	929		ug/L		93	51 - 144
Chloroform	ND		1000	904		ug/L		90	62 - 121
Chloromethane	ND	^c	1000	499	J	ug/L		50	37 - 170
Chloroethane	ND	^c	1000	544		ug/L		54	10 - 170
cis-1,3-Dichloropropene	ND		1000	934		ug/L		93	53 - 140
Bromodichloromethane	ND		1000	930		ug/L		93	63 - 132
Ethylbenzene	ND		1000	913		ug/L		91	66 - 122
Methylene Chloride	ND	^c	1000	687		ug/L		69	51 - 137
Styrene	ND		1000	966		ug/L		97	68 - 127
Tetrachloroethene	ND		1000	900		ug/L		90	60 - 129
Toluene	ND		1000	909		ug/L		91	67 - 128
trans-1,3-Dichloropropene	ND		1000	1000		ug/L		100	57 - 137
Trichloroethene	ND		1000	798		ug/L		80	67 - 121
Xylenes, Total	ND		2000	1880		ug/L		94	64 - 123
Vinyl chloride	ND		1000	596		ug/L		60	47 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*52 - 151*
4-Bromofluorobenzene (Surr)	*98*		*49 - 118*
Dibromofluoromethane (Surr)	*84*		*60 - 132*
Toluene-d8 (Surr)	*90*		*53 - 124*

Lab Sample ID: 180-151719-4 MSD
Matrix: Water
Analysis Batch: 426114

Client Sample ID: ALAPW04020723
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		1000	866		ug/L		87	64 - 133	4	22
1,1,2,2-Tetrachloroethane	ND		1000	968		ug/L		97	47 - 147	2	35
1,1,2-Trichloroethane	ND		1000	1010		ug/L		101	59 - 137	0	29
1,1-Dichloroethane	ND		1000	914		ug/L		91	59 - 125	1	20
1,1-Dichloroethene	ND		1000	684		ug/L		68	49 - 132	8	23
1,2-Dichloroethane	ND		1000	1040		ug/L		104	57 - 149	0	27
1,2-Dichloroethene, Total	ND		2000	1680		ug/L		84	64 - 123	1	22
1,2-Dichloropropane	ND		1000	917		ug/L		92	65 - 129	1	23
2-Butanone (MEK)	ND		1000	604		ug/L		60	35 - 158	3	35
2-Hexanone	ND	^c	1000	965		ug/L		96	38 - 157	1	35
4-Methyl-2-pentanone (MIBK)	ND		1000	937		ug/L		94	29 - 167	1	35
Acetone	ND	FL	1000	ND	FL	ug/L		0	29 - 163	NC	35
Benzene	ND		1000	922		ug/L		92	68 - 122	2	21
Bromoform	ND		1000	1020		ug/L		102	31 - 164	0	35
Bromomethane	ND	^c	1000	533		ug/L		53	20 - 170	5	30
Carbon disulfide	ND		1000	721		ug/L		72	32 - 139	5	25
Carbon tetrachloride	ND		1000	802		ug/L		80	60 - 135	6	25
Chlorobenzene	3400		1000	4380		ug/L		101	72 - 123	2	19
Dibromochloromethane	ND		1000	919		ug/L		92	51 - 144	1	25
Chloroform	ND		1000	904		ug/L		90	62 - 121	0	22
Chloromethane	ND	^c	1000	462	J	ug/L		46	37 - 170	8	28

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

Lab Sample ID: 180-151719-4 MSD
Matrix: Water
Analysis Batch: 426114

Client Sample ID: ALAPW04020723
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	ND	^c	1000	526		ug/L		53	10 - 170	3	29
cis-1,3-Dichloropropene	ND		1000	918		ug/L		92	53 - 140	2	26
Bromodichloromethane	ND		1000	916		ug/L		92	63 - 132	1	24
Ethylbenzene	ND		1000	924		ug/L		92	66 - 122	1	22
Methylene Chloride	ND	^c	1000	662		ug/L		66	51 - 137	4	35
Styrene	ND		1000	982		ug/L		98	68 - 127	2	22
Tetrachloroethene	ND		1000	917		ug/L		92	60 - 129	2	22
Toluene	ND		1000	924		ug/L		92	67 - 128	2	22
trans-1,3-Dichloropropene	ND		1000	1020		ug/L		102	57 - 137	2	25
Trichloroethene	ND		1000	787		ug/L		79	67 - 121	1	23
Xylenes, Total	ND		2000	1890		ug/L		95	64 - 123	1	21
Vinyl chloride	ND		1000	567		ug/L		57	47 - 147	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*52 - 151*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*
Dibromofluoromethane (Surr)	*82*		*60 - 132*
Toluene-d8 (Surr)	*90*		*53 - 124*

Lab Sample ID: MB 180-426637/7
Matrix: Water
Analysis Batch: 426637

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		5.0	2.5	ug/L			02/17/23 14:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/17/23 14:14	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/17/23 14:14	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/17/23 14:14	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/17/23 14:14	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/17/23 14:14	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/17/23 14:14	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/17/23 14:14	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/17/23 14:14	1
2-Hexanone	ND		5.0	4.2	ug/L			02/17/23 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/17/23 14:14	1
Acetone	ND		20	5.5	ug/L			02/17/23 14:14	1
Benzene	ND		5.0	2.0	ug/L			02/17/23 14:14	1
Bromoform	ND		5.0	2.6	ug/L			02/17/23 14:14	1
Bromomethane	ND		5.0	4.5	ug/L			02/17/23 14:14	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/17/23 14:14	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/17/23 14:14	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/17/23 14:14	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/17/23 14:14	1
Chloroform	ND		5.0	2.1	ug/L			02/17/23 14:14	1
Chloromethane	ND		5.0	3.9	ug/L			02/17/23 14:14	1
Chloroethane	ND		5.0	2.6	ug/L			02/17/23 14:14	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/17/23 14:14	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/17/23 14:14	1

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

Lab Sample ID: MB 180-426637/7
Matrix: Water
Analysis Batch: 426637

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	2.2	ug/L			02/17/23 14:14	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/17/23 14:14	1
Styrene	ND		5.0	1.3	ug/L			02/17/23 14:14	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/17/23 14:14	1
Toluene	ND		5.0	1.7	ug/L			02/17/23 14:14	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/17/23 14:14	1
Trichloroethene	ND		5.0	1.5	ug/L			02/17/23 14:14	1
Xylenes, Total	ND		10	4.3	ug/L			02/17/23 14:14	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/17/23 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*52 - 151*		*02/17/23 14:14*	*1*
4-Bromofluorobenzene (Surr)	*79*		*49 - 118*		*02/17/23 14:14*	*1*
Dibromofluoromethane (Surr)	*121*		*60 - 132*		*02/17/23 14:14*	*1*
Toluene-d8 (Surr)	*87*		*53 - 124*		*02/17/23 14:14*	*1*

Lab Sample ID: LCS 180-426637/14
Matrix: Water
Analysis Batch: 426637

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	12.0		ug/L		120	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.70		ug/L		97	47 - 147
1,1,2-Trichloroethane	10.0	9.12		ug/L		91	59 - 137
1,1-Dichloroethane	10.0	10.0		ug/L		100	59 - 125
1,1-Dichloroethene	10.0	10.9		ug/L		109	49 - 132
1,2-Dichloroethane	10.0	10.7		ug/L		107	57 - 149
1,2-Dichloroethene, Total	20.0	20.6		ug/L		103	64 - 123
1,2-Dichloropropane	10.0	8.89		ug/L		89	65 - 129
2-Butanone (MEK)	10.0	6.23		ug/L		62	35 - 158
2-Hexanone	10.0	5.48		ug/L		55	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	6.22		ug/L		62	29 - 167
Acetone	10.0	8.51	J	ug/L		85	29 - 163
Benzene	10.0	9.89		ug/L		99	68 - 122
Bromoform	10.0	11.3		ug/L		113	31 - 164
Bromomethane	10.0	15.3		ug/L		153	20 - 170
Carbon disulfide	10.0	11.3		ug/L		113	32 - 139
Carbon tetrachloride	10.0	12.7		ug/L		127	60 - 135
Chlorobenzene	10.0	9.23		ug/L		92	72 - 123
Dibromochloromethane	10.0	10.7		ug/L		107	51 - 144
Chloroform	10.0	11.5		ug/L		115	62 - 121
Chloromethane	10.0	8.89		ug/L		89	37 - 170
Chloroethane	10.0	13.6		ug/L		136	10 - 170
cis-1,3-Dichloropropene	10.0	10.3		ug/L		103	53 - 140
Bromodichloromethane	10.0	11.2		ug/L		112	63 - 132
Ethylbenzene	10.0	8.57		ug/L		86	66 - 122
Methylene Chloride	10.0	11.2		ug/L		112	51 - 137
Styrene	10.0	8.84		ug/L		88	68 - 127

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

Lab Sample ID: LCS 180-426637/14
Matrix: Water
Analysis Batch: 426637

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	10.0	10.7		ug/L		107	60 - 129
Toluene	10.0	9.03		ug/L		90	67 - 128
trans-1,3-Dichloropropene	10.0	9.31		ug/L		93	57 - 137
Trichloroethene	10.0	10.5		ug/L		105	67 - 121
Xylenes, Total	20.0	17.9		ug/L		90	64 - 123
Vinyl chloride	10.0	9.73		ug/L		97	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*52 - 151*
4-Bromofluorobenzene (Surr)	*91*		*49 - 118*
Dibromofluoromethane (Surr)	*112*		*60 - 132*
Toluene-d8 (Surr)	*92*		*53 - 124*

Lab Sample ID: MB 180-426739/14
Matrix: Water
Analysis Batch: 426739

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		5.0	2.5	ug/L			02/18/23 18:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/18/23 18:49	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/18/23 18:49	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/18/23 18:49	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/18/23 18:49	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/18/23 18:49	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/18/23 18:49	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/18/23 18:49	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/18/23 18:49	1
2-Hexanone	ND		5.0	4.2	ug/L			02/18/23 18:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/18/23 18:49	1
Acetone	ND		20	5.5	ug/L			02/18/23 18:49	1
Benzene	ND		5.0	2.0	ug/L			02/18/23 18:49	1
Bromoform	ND		5.0	2.6	ug/L			02/18/23 18:49	1
Bromomethane	ND		5.0	4.5	ug/L			02/18/23 18:49	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/18/23 18:49	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/18/23 18:49	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/18/23 18:49	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/18/23 18:49	1
Chloroform	ND		5.0	2.1	ug/L			02/18/23 18:49	1
Chloromethane	ND		5.0	3.9	ug/L			02/18/23 18:49	1
Chloroethane	ND		5.0	2.6	ug/L			02/18/23 18:49	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/18/23 18:49	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/18/23 18:49	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/18/23 18:49	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/18/23 18:49	1
Styrene	ND		5.0	1.3	ug/L			02/18/23 18:49	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/18/23 18:49	1
Toluene	ND		5.0	1.7	ug/L			02/18/23 18:49	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/18/23 18:49	1

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

Lab Sample ID: MB 180-426739/14
Matrix: Water
Analysis Batch: 426739

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	1.5	ug/L			02/18/23 18:49	1
Xylenes, Total	ND		10	4.3	ug/L			02/18/23 18:49	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/18/23 18:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*52 - 151*		*02/18/23 18:49*	*1*
4-Bromofluorobenzene (Surr)	*65*		*49 - 118*		*02/18/23 18:49*	*1*
Dibromofluoromethane (Surr)	*123*		*60 - 132*		*02/18/23 18:49*	*1*
Toluene-d8 (Surr)	*76*		*53 - 124*		*02/18/23 18:49*	*1*

Lab Sample ID: LCS 180-426739/19
Matrix: Water
Analysis Batch: 426739

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	13.2		ug/L		132	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.93		ug/L		99	47 - 147
1,1,2-Trichloroethane	10.0	9.38		ug/L		94	59 - 137
1,1-Dichloroethane	10.0	11.2		ug/L		112	59 - 125
1,1-Dichloroethene	10.0	12.5		ug/L		125	49 - 132
1,2-Dichloroethane	10.0	11.9		ug/L		119	57 - 149
1,2-Dichloroethene, Total	20.0	22.4		ug/L		112	64 - 123
1,2-Dichloropropane	10.0	9.60		ug/L		96	65 - 129
2-Butanone (MEK)	10.0	7.61		ug/L		76	35 - 158
2-Hexanone	10.0	5.95		ug/L		59	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	5.79		ug/L		58	29 - 167
Acetone	10.0	10.6	J	ug/L		106	29 - 163
Benzene	10.0	11.1		ug/L		111	68 - 122
Bromoform	10.0	11.1		ug/L		111	31 - 164
Bromomethane	10.0	17.5	*+	ug/L		175	20 - 170
Carbon disulfide	10.0	13.1		ug/L		131	32 - 139
Carbon tetrachloride	10.0	14.2	*+	ug/L		142	60 - 135
Chlorobenzene	10.0	9.53		ug/L		95	72 - 123
Dibromochloromethane	10.0	11.3		ug/L		113	51 - 144
Chloroform	10.0	12.8	*+	ug/L		128	62 - 121
Chloromethane	10.0	10.1		ug/L		101	37 - 170
Chloroethane	10.0	15.3		ug/L		153	10 - 170
cis-1,3-Dichloropropene	10.0	9.78		ug/L		98	53 - 140
Bromodichloromethane	10.0	12.4		ug/L		124	63 - 132
Ethylbenzene	10.0	9.14		ug/L		91	66 - 122
Methylene Chloride	10.0	11.9		ug/L		119	51 - 137
Styrene	10.0	9.09		ug/L		91	68 - 127
Tetrachloroethene	10.0	10.8		ug/L		108	60 - 129
Toluene	10.0	9.33		ug/L		93	67 - 128
trans-1,3-Dichloropropene	10.0	9.30		ug/L		93	57 - 137
Trichloroethene	10.0	11.3		ug/L		113	67 - 121
Xylenes, Total	20.0	18.7		ug/L		94	64 - 123
Vinyl chloride	10.0	12.1		ug/L		121	47 - 147

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

Lab Sample ID: LCS 180-426739/19
Matrix: Water
Analysis Batch: 426739

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*135*		*52 - 151*
4-Bromofluorobenzene (Surr)	*95*		*49 - 118*
Dibromofluoromethane (Surr)	*127*		*60 - 132*
Toluene-d8 (Surr)	*93*		*53 - 124*

Lab Sample ID: MB 180-426933/6
Matrix: Water
Analysis Batch: 426933

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		5.0	2.5	ug/L			02/21/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/21/23 13:39	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/21/23 13:39	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/21/23 13:39	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/21/23 13:39	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/21/23 13:39	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/21/23 13:39	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/21/23 13:39	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/21/23 13:39	1
2-Hexanone	ND		5.0	4.2	ug/L			02/21/23 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/21/23 13:39	1
Acetone	ND		20	5.5	ug/L			02/21/23 13:39	1
Benzene	ND		5.0	2.0	ug/L			02/21/23 13:39	1
Bromoform	ND		5.0	2.6	ug/L			02/21/23 13:39	1
Bromomethane	ND		5.0	4.5	ug/L			02/21/23 13:39	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/21/23 13:39	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/21/23 13:39	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/21/23 13:39	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/21/23 13:39	1
Chloroform	ND		5.0	2.1	ug/L			02/21/23 13:39	1
Chloromethane	ND		5.0	3.9	ug/L			02/21/23 13:39	1
Chloroethane	ND		5.0	2.6	ug/L			02/21/23 13:39	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/21/23 13:39	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/21/23 13:39	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/21/23 13:39	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/21/23 13:39	1
Styrene	ND		5.0	1.3	ug/L			02/21/23 13:39	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/21/23 13:39	1
Toluene	ND		5.0	1.7	ug/L			02/21/23 13:39	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/21/23 13:39	1
Trichloroethene	ND		5.0	1.5	ug/L			02/21/23 13:39	1
Xylenes, Total	ND		10	4.3	ug/L			02/21/23 13:39	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/21/23 13:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*117*		*52 - 151*		*02/21/23 13:39*	*1*
4-Bromofluorobenzene (Surr)	*68*		*49 - 118*		*02/21/23 13:39*	*1*
Dibromofluoromethane (Surr)	*117*		*60 - 132*		*02/21/23 13:39*	*1*

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

Lab Sample ID: MB 180-426933/6
Matrix: Water
Analysis Batch: 426933

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	80		53 - 124		02/21/23 13:39	1

Lab Sample ID: LCS 180-426933/4
Matrix: Water
Analysis Batch: 426933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.39		ug/L		94	47 - 147
1,1,2-Trichloroethane	10.0	8.94		ug/L		89	59 - 137
1,1-Dichloroethane	10.0	8.53		ug/L		85	59 - 125
1,1-Dichloroethene	10.0	9.58		ug/L		96	49 - 132
1,2-Dichloroethane	10.0	9.51		ug/L		95	57 - 149
1,2-Dichloroethene, Total	20.0	18.6		ug/L		93	64 - 123
1,2-Dichloropropane	10.0	7.88		ug/L		79	65 - 129
2-Butanone (MEK)	10.0	7.35		ug/L		74	35 - 158
2-Hexanone	10.0	5.69		ug/L		57	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	5.76		ug/L		58	29 - 167
Acetone	10.0	7.02	J	ug/L		70	29 - 163
Benzene	10.0	8.72		ug/L		87	68 - 122
Bromoform	10.0	11.8		ug/L		118	31 - 164
Bromomethane	10.0	14.1		ug/L		141	20 - 170
Carbon disulfide	10.0	11.4		ug/L		114	32 - 139
Carbon tetrachloride	10.0	12.2		ug/L		122	60 - 135
Chlorobenzene	10.0	8.90		ug/L		89	72 - 123
Dibromochloromethane	10.0	11.1		ug/L		111	51 - 144
Chloroform	10.0	10.9		ug/L		109	62 - 121
Chloromethane	10.0	6.44		ug/L		64	37 - 170
Chloroethane	10.0	12.5		ug/L		125	10 - 170
cis-1,3-Dichloropropene	10.0	8.45		ug/L		85	53 - 140
Bromodichloromethane	10.0	10.6		ug/L		106	63 - 132
Ethylbenzene	10.0	8.66		ug/L		87	66 - 122
Methylene Chloride	10.0	10.6		ug/L		106	51 - 137
Styrene	10.0	8.34		ug/L		83	68 - 127
Tetrachloroethene	10.0	10.7		ug/L		107	60 - 129
Toluene	10.0	8.55		ug/L		85	67 - 128
trans-1,3-Dichloropropene	10.0	9.21		ug/L		92	57 - 137
Trichloroethene	10.0	9.56		ug/L		96	67 - 121
Xylenes, Total	20.0	17.1		ug/L		85	64 - 123
Vinyl chloride	10.0	10.2		ug/L		102	47 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		52 - 151
4-Bromofluorobenzene (Surr)	88		49 - 118
Dibromofluoromethane (Surr)	108		60 - 132
Toluene-d8 (Surr)	86		53 - 124

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

Lab Sample ID: MB 180-426187/1-A
Matrix: Water
Analysis Batch: 426664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		1.9	0.97	ug/L		02/14/23 02:01	02/17/23 11:25	1
1,2,4-Trichlorobenzene	ND		10	1.3	ug/L		02/14/23 02:01	02/17/23 11:25	1
1,2-Dichlorobenzene	ND		10	0.95	ug/L		02/14/23 02:01	02/17/23 11:25	1
1,3-Dichlorobenzene	ND		10	0.99	ug/L		02/14/23 02:01	02/17/23 11:25	1
1,4-Dichlorobenzene	ND		10	0.61	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4,5-Trichlorophenol	ND		10	2.5	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4,6-Trichlorophenol	ND		10	2.2	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4-Dichlorophenol	ND		1.9	0.51	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4-Dimethylphenol	ND		10	1.7	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4-Dinitrophenol	ND		100	15	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,6-Dinitrotoluene	ND		10	1.7	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Chloronaphthalene	ND		1.9	0.59	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Chlorophenol	ND		10	1.3	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Methylnaphthalene	ND		1.9	0.62	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Methylphenol	ND		10	3.0	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Nitroaniline	ND		50	5.5	ug/L		02/14/23 02:01	02/17/23 11:25	1
2-Nitrophenol	ND		10	1.9	ug/L		02/14/23 02:01	02/17/23 11:25	1
3,3'-Dichlorobenzidine	ND		10	5.8	ug/L		02/14/23 02:01	02/17/23 11:25	1
3-Nitroaniline	ND		50	4.4	ug/L		02/14/23 02:01	02/17/23 11:25	1
4,6-Dinitro-2-methylphenol	ND		50	15	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Bromophenyl phenyl ether	ND		10	3.2	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Chloro-3-methylphenol	ND		10	2.8	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Chloroaniline	ND		10	3.8	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Chlorophenyl phenyl ether	ND		10	2.2	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Nitroaniline	ND		50	3.6	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Nitrophenol	ND		50	9.4	ug/L		02/14/23 02:01	02/17/23 11:25	1
Acenaphthene	ND		1.9	0.65	ug/L		02/14/23 02:01	02/17/23 11:25	1
Anthracene	ND		1.9	0.49	ug/L		02/14/23 02:01	02/17/23 11:25	1
Benzo[a]anthracene	ND		1.9	0.75	ug/L		02/14/23 02:01	02/17/23 11:25	1
Benzo[a]pyrene	ND		1.9	0.53	ug/L		02/14/23 02:01	02/17/23 11:25	1
Benzo[g,h,i]perylene	ND		1.9	0.69	ug/L		02/14/23 02:01	02/17/23 11:25	1
Benzo[k]fluoranthene	ND		1.9	0.88	ug/L		02/14/23 02:01	02/17/23 11:25	1
Bis(2-chloroethoxy)methane	ND		10	1.5	ug/L		02/14/23 02:01	02/17/23 11:25	1
Bis(2-chloroethyl)ether	ND		1.9	0.40	ug/L		02/14/23 02:01	02/17/23 11:25	1
Bis(2-ethylhexyl) phthalate	ND		100	62	ug/L		02/14/23 02:01	02/17/23 11:25	1
Butyl benzyl phthalate	ND		10	4.6	ug/L		02/14/23 02:01	02/17/23 11:25	1
Carbazole	ND		1.9	0.51	ug/L		02/14/23 02:01	02/17/23 11:25	1
Chrysene	ND		1.9	0.81	ug/L		02/14/23 02:01	02/17/23 11:25	1
Dibenz(a,h)anthracene	ND		1.9	0.72	ug/L		02/14/23 02:01	02/17/23 11:25	1
Dibenzofuran	ND		10	1.9	ug/L		02/14/23 02:01	02/17/23 11:25	1
Diethyl phthalate	ND		10	5.7	ug/L		02/14/23 02:01	02/17/23 11:25	1
Dimethyl phthalate	ND		10	2.0	ug/L		02/14/23 02:01	02/17/23 11:25	1
Di-n-butyl phthalate	ND		10	7.4	ug/L		02/14/23 02:01	02/17/23 11:25	1
Di-n-octyl phthalate	ND		10	6.9	ug/L		02/14/23 02:01	02/17/23 11:25	1
Fluoranthene	ND		1.9	0.60	ug/L		02/14/23 02:01	02/17/23 11:25	1
Fluorene	ND		1.9	0.69	ug/L		02/14/23 02:01	02/17/23 11:25	1
Hexachlorocyclopentadiene	ND		10	5.0	ug/L		02/14/23 02:01	02/17/23 11:25	1

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

Lab Sample ID: MB 180-426187/1-A
Matrix: Water
Analysis Batch: 426664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		1.9	0.56	ug/L		02/14/23 02:01	02/17/23 11:25	1
Hexachlorobutadiene	ND		1.9	0.69	ug/L		02/14/23 02:01	02/17/23 11:25	1
Hexachloroethane	ND		10	1.3	ug/L		02/14/23 02:01	02/17/23 11:25	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.85	ug/L		02/14/23 02:01	02/17/23 11:25	1
Isophorone	ND		10	1.9	ug/L		02/14/23 02:01	02/17/23 11:25	1
Naphthalene	ND		1.9	0.59	ug/L		02/14/23 02:01	02/17/23 11:25	1
Nitrobenzene	ND		20	5.0	ug/L		02/14/23 02:01	02/17/23 11:25	1
N-Nitrosodi-n-propylamine	ND		1.9	0.71	ug/L		02/14/23 02:01	02/17/23 11:25	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		02/14/23 02:01	02/17/23 11:25	1
Pentachlorophenol	ND		50	8.5	ug/L		02/14/23 02:01	02/17/23 11:25	1
Phenanthrene	ND		1.9	0.55	ug/L		02/14/23 02:01	02/17/23 11:25	1
Phenol	ND		10	4.9	ug/L		02/14/23 02:01	02/17/23 11:25	1
Pyrene	ND		1.9	0.54	ug/L		02/14/23 02:01	02/17/23 11:25	1
Acenaphthylene	ND		1.9	0.65	ug/L		02/14/23 02:01	02/17/23 11:25	1
4-Methylphenol	ND		10	3.7	ug/L		02/14/23 02:01	02/17/23 11:25	1
2,2'-oxybis[1-chloropropane]	ND		1.9	0.58	ug/L		02/14/23 02:01	02/17/23 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*39 - 121*	*02/14/23 02:01*	*02/17/23 11:25*	*1*
2-Fluorobiphenyl	*64*		*45 - 105*	*02/14/23 02:01*	*02/17/23 11:25*	*1*
2-Fluorophenol	*69*		*38 - 105*	*02/14/23 02:01*	*02/17/23 11:25*	*1*
Nitrobenzene-d5	*70*		*45 - 106*	*02/14/23 02:01*	*02/17/23 11:25*	*1*
Phenol-d5	*63*		*38 - 105*	*02/14/23 02:01*	*02/17/23 11:25*	*1*
Terphenyl-d14	*86*		*28 - 125*	*02/14/23 02:01*	*02/17/23 11:25*	*1*

Lab Sample ID: LCS 180-426187/2-A
Matrix: Water
Analysis Batch: 426664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	200	141		ug/L		71	47 - 100
1,2,4-Trichlorobenzene	200	138		ug/L		69	51 - 100
1,2-Dichlorobenzene	200	128		ug/L		64	51 - 100
1,3-Dichlorobenzene	200	129		ug/L		65	51 - 100
1,4-Dichlorobenzene	200	132		ug/L		66	51 - 100
2,4,5-Trichlorophenol	200	121		ug/L		60	54 - 100
2,4,6-Trichlorophenol	200	147		ug/L		74	54 - 100
2,4-Dichlorophenol	200	127		ug/L		63	54 - 100
2,4-Dimethylphenol	200	91.7	*-	ug/L		46	52 - 100
2,4-Dinitrophenol	400	241		ug/L		60	32 - 100
2,4-Dinitrotoluene	200	155		ug/L		77	56 - 101
2,6-Dinitrotoluene	200	134		ug/L		67	54 - 103
2-Chloronaphthalene	200	144		ug/L		72	51 - 100
2-Chlorophenol	200	130		ug/L		65	52 - 100
2-Methylnaphthalene	200	139		ug/L		69	53 - 100
2-Methylphenol	200	118		ug/L		59	50 - 100
2-Nitroaniline	200	149		ug/L		74	50 - 102
2-Nitrophenol	200	158		ug/L		79	54 - 100

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

Lab Sample ID: LCS 180-426187/2-A
Matrix: Water
Analysis Batch: 426664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	200	140		ug/L		70	41 - 100
3-Nitroaniline	200	136		ug/L		68	53 - 100
4,6-Dinitro-2-methylphenol	400	277		ug/L		69	49 - 100
4-Bromophenyl phenyl ether	200	147		ug/L		73	50 - 100
4-Chloro-3-methylphenol	200	121		ug/L		61	46 - 107
4-Chloroaniline	200	127		ug/L		64	48 - 100
4-Chlorophenyl phenyl ether	200	141		ug/L		70	52 - 100
4-Nitroaniline	200	144		ug/L		72	54 - 100
4-Nitrophenol	400	250		ug/L		63	39 - 117
Acenaphthene	200	132		ug/L		66	51 - 100
Anthracene	200	143		ug/L		72	53 - 100
Benzo[a]anthracene	200	150		ug/L		75	49 - 100
Benzo[a]pyrene	200	124		ug/L		62	48 - 100
Benzo[g,h,i]perylene	200	119		ug/L		59	49 - 100
Benzo[k]fluoranthene	200	126		ug/L		63	46 - 100
Bis(2-chloroethoxy)methane	200	119		ug/L		59	49 - 100
Bis(2-chloroethyl)ether	200	127		ug/L		63	46 - 100
Bis(2-ethylhexyl) phthalate	200	154		ug/L		77	51 - 101
Butyl benzyl phthalate	200	190		ug/L		95	51 - 101
Carbazole	200	126		ug/L		63	54 - 100
Chrysene	200	127		ug/L		63	49 - 100
Dibenz(a,h)anthracene	200	130		ug/L		65	50 - 102
Dibenzofuran	200	130		ug/L		65	53 - 100
Diethyl phthalate	200	131		ug/L		65	53 - 100
Dimethyl phthalate	200	132		ug/L		66	54 - 100
Di-n-butyl phthalate	200	150		ug/L		75	56 - 100
Di-n-octyl phthalate	200	150		ug/L		75	39 - 100
Fluoranthene	200	136		ug/L		68	55 - 100
Fluorene	200	133		ug/L		67	53 - 100
Hexachlorocyclopentadiene	200	163		ug/L		81	41 - 100
Hexachlorobenzene	200	153		ug/L		76	46 - 100
Hexachlorobutadiene	200	153		ug/L		77	42 - 100
Hexachloroethane	200	132		ug/L		66	49 - 100
Indeno[1,2,3-cd]pyrene	200	125		ug/L		63	50 - 100
Isophorone	200	140		ug/L		70	50 - 100
Naphthalene	200	133		ug/L		66	53 - 100
Nitrobenzene	200	143		ug/L		71	50 - 100
N-Nitrosodi-n-propylamine	200	126		ug/L		63	46 - 100
N-Nitrosodiphenylamine	200	140		ug/L		70	50 - 100
Pentachlorophenol	400	261		ug/L		65	37 - 100
Phenanthrene	200	134		ug/L		67	52 - 100
Phenol	200	117		ug/L		58	47 - 100
Pyrene	200	160		ug/L		80	50 - 100
Acenaphthylene	200	133		ug/L		67	53 - 100
4-Methylphenol	200	119		ug/L		59	51 - 100
2,2'-oxybis[1-chloropropane]	200	110		ug/L		55	24 - 111

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

Lab Sample ID: LCS 180-426187/2-A
Matrix: Water
Analysis Batch: 426664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426187

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	*74*		*39 - 121*
2-Fluorobiphenyl	*66*		*45 - 105*
2-Fluorophenol	*67*		*38 - 105*
Nitrobenzene-d5	*70*		*45 - 106*
Phenol-d5	*61*		*38 - 105*
Terphenyl-d14	*79*		*28 - 125*

Lab Sample ID: 180-151719-4 MS
Matrix: Water
Analysis Batch: 426664

Client Sample ID: ALAPW04020723
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND		208	153		ug/L		74	47 - 100
1,2,4-Trichlorobenzene	ND		208	137		ug/L		66	51 - 100
1,2-Dichlorobenzene	2900	E 4	208	2950	E 4	ug/L		26	51 - 100
1,3-Dichlorobenzene	18	J	208	140		ug/L		59	51 - 100
1,4-Dichlorobenzene	130		208	255		ug/L		60	51 - 100
2,4,5-Trichlorophenol	ND		208	149		ug/L		72	54 - 100
2,4,6-Trichlorophenol	ND		208	157		ug/L		75	54 - 100
2,4-Dichlorophenol	ND		208	141		ug/L		68	54 - 100
2,4-Dimethylphenol	ND	*-	208	137		ug/L		66	52 - 100
2,4-Dinitrophenol	ND		417	302	J	ug/L		73	32 - 100
2,4-Dinitrotoluene	ND		208	183		ug/L		88	56 - 101
2,6-Dinitrotoluene	ND		208	168		ug/L		81	54 - 103
2-Chloronaphthalene	ND		208	150		ug/L		72	51 - 100
2-Chlorophenol	23	J	208	146		ug/L		59	52 - 100
2-Methylnaphthalene	ND		208	139		ug/L		67	53 - 100
2-Methylphenol	ND		208	130		ug/L		63	50 - 100
2-Nitroaniline	ND		208	204		ug/L		98	50 - 102
2-Nitrophenol	ND		208	161		ug/L		77	54 - 100
3,3'-Dichlorobenzidine	ND		208	142		ug/L		68	41 - 100
3-Nitroaniline	ND		208	154	J	ug/L		74	53 - 100
4,6-Dinitro-2-methylphenol	ND		417	371		ug/L		89	49 - 100
4-Bromophenyl phenyl ether	ND		208	174		ug/L		84	50 - 100
4-Chloro-3-methylphenol	29	J	208	160		ug/L		63	46 - 107
4-Chloroaniline	150	FL	208	211	FL	ug/L		31	48 - 100
4-Chlorophenyl phenyl ether	ND		208	152		ug/L		73	52 - 100
4-Nitroaniline	ND		208	163		ug/L		78	54 - 100
4-Nitrophenol	ND		417	342		ug/L		82	39 - 117
Acenaphthene	ND		208	116		ug/L		56	51 - 100
Anthracene	ND		208	124		ug/L		60	53 - 100
Benzo[a]anthracene	ND		208	170		ug/L		82	49 - 100
Benzo[a]pyrene	ND		208	104		ug/L		50	48 - 100
Benzo[g,h,i]perylene	ND		208	157		ug/L		76	49 - 100
Benzo[k]fluoranthene	ND		208	160		ug/L		77	46 - 100
Bis(2-chloroethoxy)methane	ND		208	127		ug/L		61	49 - 100
Bis(2-chloroethyl)ether	ND		208	127		ug/L		61	46 - 100
Bis(2-ethylhexyl) phthalate	ND	FL	208	ND	FL	ug/L		0	51 - 101

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

Lab Sample ID: 180-151719-4 MS
Matrix: Water
Analysis Batch: 426664

Client Sample ID: ALAPW04020723
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butyl benzyl phthalate	ND	FH ^c	208	239	FH	ug/L		115	51 - 101
Carbazole	ND		208	159		ug/L		76	54 - 100
Chrysene	ND		208	149		ug/L		72	49 - 100
Dibenz(a,h)anthracene	ND		208	154		ug/L		74	50 - 102
Dibenzofuran	ND		208	142		ug/L		68	53 - 100
Diethyl phthalate	ND		208	171		ug/L		82	53 - 100
Dimethyl phthalate	ND		208	164		ug/L		79	54 - 100
Di-n-butyl phthalate	ND	FH	208	216	FH	ug/L		104	56 - 100
Di-n-octyl phthalate	ND		208	178		ug/L		86	39 - 100
Fluoranthene	ND		208	161		ug/L		77	55 - 100
Fluorene	ND		208	146		ug/L		70	53 - 100
Hexachlorocyclopentadiene	ND		208	143		ug/L		69	41 - 100
Hexachlorobenzene	ND		208	173		ug/L		83	46 - 100
Hexachlorobutadiene	ND		208	148		ug/L		71	42 - 100
Hexachloroethane	ND		208	123		ug/L		59	49 - 100
Indeno[1,2,3-cd]pyrene	ND		208	164		ug/L		79	50 - 100
Isophorone	ND		208	150		ug/L		72	50 - 100
Naphthalene	ND		208	133		ug/L		64	53 - 100
Nitrobenzene	ND		208	146		ug/L		70	50 - 100
N-Nitrosodi-n-propylamine	ND		208	128		ug/L		62	46 - 100
N-Nitrosodiphenylamine	ND		208	151		ug/L		72	50 - 100
Pentachlorophenol	ND		417	312		ug/L		75	37 - 100
Phenanthrene	ND		208	168		ug/L		81	52 - 100
Phenol	ND		208	117		ug/L		56	47 - 100
Pyrene	ND		208	190		ug/L		91	50 - 100
Acenaphthylene	ND		208	126		ug/L		60	53 - 100
4-Methylphenol	ND		208	151		ug/L		72	51 - 100
2,2'-oxybis[1-chloropropane]	ND		208	113		ug/L		54	24 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*105*		*39 - 121*
2-Fluorobiphenyl	*77*		*45 - 105*
2-Fluorophenol	*77*		*38 - 105*
Nitrobenzene-d5	*106*		*45 - 106*
Phenol-d5	*78*		*38 - 105*
Terphenyl-d14	*86*		*28 - 125*

Lab Sample ID: 180-151719-4 MSD
Matrix: Water
Analysis Batch: 426664

Client Sample ID: ALAPW04020723
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	ND		208	155		ug/L		74	47 - 100	1	15
1,2,4-Trichlorobenzene	ND		208	143		ug/L		69	51 - 100	4	15
1,2-Dichlorobenzene	2900	E 4	208	2870	E 4	ug/L		-15	51 - 100	3	16
1,3-Dichlorobenzene	18	J	208	134		ug/L		56	51 - 100	4	15
1,4-Dichlorobenzene	130		208	242		ug/L		54	51 - 100	5	15
2,4,5-Trichlorophenol	ND		208	146		ug/L		70	54 - 100	3	15

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

Lab Sample ID: 180-151719-4 MSD
Matrix: Water
Analysis Batch: 426664

Client Sample ID: ALAPW04020723
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	ND		208	152		ug/L		73	54 - 100	4	15
2,4-Dichlorophenol	ND		208	150		ug/L		72	54 - 100	6	15
2,4-Dimethylphenol	ND	*-	208	139		ug/L		67	52 - 100	2	15
2,4-Dinitrophenol	ND		417	310		ug/L		74	32 - 100	3	15
2,4-Dinitrotoluene	ND		208	183		ug/L		88	56 - 101	0	15
2,6-Dinitrotoluene	ND		208	163		ug/L		78	54 - 103	3	15
2-Chloronaphthalene	ND		208	153		ug/L		73	51 - 100	2	15
2-Chlorophenol	23	J	208	146		ug/L		59	52 - 100	0	15
2-Methylnaphthalene	ND		208	152		ug/L		73	53 - 100	9	15
2-Methylphenol	ND		208	128		ug/L		61	50 - 100	2	15
2-Nitroaniline	ND		208	192		ug/L		92	50 - 102	6	15
2-Nitrophenol	ND		208	171		ug/L		82	54 - 100	6	15
3,3'-Dichlorobenzidine	ND		208	150		ug/L		72	41 - 100	5	15
3-Nitroaniline	ND		208	144	J	ug/L		69	53 - 100	6	15
4,6-Dinitro-2-methylphenol	ND		417	381		ug/L		92	49 - 100	3	15
4-Bromophenyl phenyl ether	ND		208	173		ug/L		83	50 - 100	1	15
4-Chloro-3-methylphenol	29	J	208	170		ug/L		68	46 - 107	6	15
4-Chloroaniline	150	FL	208	242	FL	ug/L		46	48 - 100	14	15
4-Chlorophenyl phenyl ether	ND		208	147		ug/L		71	52 - 100	3	15
4-Nitroaniline	ND		208	160		ug/L		77	54 - 100	2	15
4-Nitrophenol	ND		417	320		ug/L		77	39 - 117	7	15
Acenaphthene	ND		208	112		ug/L		54	51 - 100	3	15
Anthracene	ND		208	126		ug/L		60	53 - 100	1	15
Benzo[a]anthracene	ND		208	186		ug/L		89	49 - 100	9	15
Benzo[a]pyrene	ND		208	103		ug/L		49	48 - 100	1	15
Benzo[g,h,i]perylene	ND		208	146		ug/L		70	49 - 100	8	15
Benzo[k]fluoranthene	ND		208	150		ug/L		72	46 - 100	7	15
Bis(2-chloroethoxy)methane	ND		208	131		ug/L		63	49 - 100	3	15
Bis(2-chloroethyl)ether	ND		208	124		ug/L		60	46 - 100	2	15
Bis(2-ethylhexyl) phthalate	ND	FL	208	199	J	ug/L		96	51 - 101	NC	15
Butyl benzyl phthalate	ND	FH ^c	208	241	FH	ug/L		115	51 - 101	1	15
Carbazole	ND		208	162		ug/L		78	54 - 100	2	15
Chrysene	ND		208	159		ug/L		76	49 - 100	6	15
Dibenz(a,h)anthracene	ND		208	154		ug/L		74	50 - 102	0	15
Dibenzofuran	ND		208	134		ug/L		64	53 - 100	6	15
Diethyl phthalate	ND		208	170		ug/L		82	53 - 100	0	15
Dimethyl phthalate	ND		208	157		ug/L		75	54 - 100	4	15
Di-n-butyl phthalate	ND	FH	208	208		ug/L		100	56 - 100	3	15
Di-n-octyl phthalate	ND		208	184		ug/L		88	39 - 100	3	15
Fluoranthene	ND		208	171		ug/L		82	55 - 100	7	15
Fluorene	ND		208	146		ug/L		70	53 - 100	0	15
Hexachlorocyclopentadiene	ND		208	130		ug/L		63	41 - 100	9	15
Hexachlorobenzene	ND		208	183		ug/L		88	46 - 100	6	15
Hexachlorobutadiene	ND		208	153		ug/L		73	42 - 100	3	15
Hexachloroethane	ND		208	120		ug/L		58	49 - 100	2	15
Indeno[1,2,3-cd]pyrene	ND		208	153		ug/L		73	50 - 100	7	15
Isophorone	ND		208	155		ug/L		74	50 - 100	3	15
Naphthalene	ND		208	142		ug/L		68	53 - 100	6	15
Nitrobenzene	ND		208	156		ug/L		75	50 - 100	6	15

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

Lab Sample ID: 180-151719-4 MSD
Matrix: Water
Analysis Batch: 426664

Client Sample ID: ALAPW04020723
Prep Type: Total/NA
Prep Batch: 426187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodi-n-propylamine	ND		208	131		ug/L		63	46 - 100	2	15
N-Nitrosodiphenylamine	ND		208	152		ug/L		73	50 - 100	1	15
Pentachlorophenol	ND		417	311		ug/L		75	37 - 100	0	15
Phenanthrene	ND		208	163		ug/L		78	52 - 100	3	15
Phenol	ND		208	113		ug/L		54	47 - 100	3	15
Pyrene	ND		208	199		ug/L		96	50 - 100	4	15
Acenaphthylene	ND		208	121		ug/L		58	53 - 100	4	15
4-Methylphenol	ND		208	139		ug/L		67	51 - 100	8	15
2,2'-oxybis[1-chloropropane]	ND		208	110		ug/L		53	24 - 111	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*39 - 121*
2-Fluorobiphenyl	*74*		*45 - 105*
2-Fluorophenol	*74*		*38 - 105*
Nitrobenzene-d5	*111*	*S1+*	*45 - 106*
Phenol-d5	*75*		*38 - 105*
Terphenyl-d14	*89*		*28 - 125*

QC Association Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

GC/MS VOA

Analysis Batch: 425898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-1	ALAPW05020723	Total/NA	Water	EPA 8260D	
180-151719-2	ALAPW02020723	Total/NA	Water	EPA 8260D	
180-151719-3	ALAPW01020723	Total/NA	Water	EPA 8260D	
180-151719-4	ALAPW04020723	Total/NA	Water	EPA 8260D	
180-151719-5	ALAPW03020723	Total/NA	Water	EPA 8260D	
180-151719-6	ALDUP020723	Total/NA	Water	EPA 8260D	
180-151719-7	ALREP020723	Total/NA	Water	EPA 8260D	
180-151719-8	ALEQUIP020723	Total/NA	Water	EPA 8260D	
180-151719-9	ALTRIP020723	Total/NA	Water	EPA 8260D	
MB 180-425898/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-425898/3	Lab Control Sample	Total/NA	Water	EPA 8260D	
LCSD 180-425898/4	Lab Control Sample Dup	Total/NA	Water	EPA 8260D	

Analysis Batch: 426114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-2 - DL	ALAPW02020723	Total/NA	Water	EPA 8260D	
180-151719-3 - DL	ALAPW01020723	Total/NA	Water	EPA 8260D	
180-151719-4 - DL	ALAPW04020723	Total/NA	Water	EPA 8260D	
180-151719-5 - DL	ALAPW03020723	Total/NA	Water	EPA 8260D	
MB 180-426114/6	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-426114/3	Lab Control Sample	Total/NA	Water	EPA 8260D	
LCSD 180-426114/4	Lab Control Sample Dup	Total/NA	Water	EPA 8260D	
180-151719-4 MS	ALAPW04020723	Total/NA	Water	EPA 8260D	
180-151719-4 MSD	ALAPW04020723	Total/NA	Water	EPA 8260D	

Analysis Batch: 426637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-10	ALARW02020723	Total/NA	Water	EPA 8260D	
180-151719-11	ALARW01020723	Total/NA	Water	EPA 8260D	
MB 180-426637/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-426637/14	Lab Control Sample	Total/NA	Water	EPA 8260D	

Analysis Batch: 426739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-6 - DL	ALDUP020723	Total/NA	Water	EPA 8260D	
180-151719-7 - DL	ALREP020723	Total/NA	Water	EPA 8260D	
180-151719-11 - DL	ALARW01020723	Total/NA	Water	EPA 8260D	
MB 180-426739/14	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-426739/19	Lab Control Sample	Total/NA	Water	EPA 8260D	

Analysis Batch: 426933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-10 - DL	ALARW02020723	Total/NA	Water	EPA 8260D	
MB 180-426933/6	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-426933/4	Lab Control Sample	Total/NA	Water	EPA 8260D	

GC/MS Semi VOA

Prep Batch: 426187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-1 - DL	ALAPW05020723	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 426187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-1	ALAPW05020723	Total/NA	Water	3520C	
180-151719-2	ALAPW02020723	Total/NA	Water	3520C	
180-151719-2 - DL	ALAPW02020723	Total/NA	Water	3520C	
180-151719-3 - DL	ALAPW01020723	Total/NA	Water	3520C	
180-151719-3	ALAPW01020723	Total/NA	Water	3520C	
180-151719-4 - DL	ALAPW04020723	Total/NA	Water	3520C	
180-151719-4	ALAPW04020723	Total/NA	Water	3520C	
180-151719-5 - DL	ALAPW03020723	Total/NA	Water	3520C	
180-151719-5	ALAPW03020723	Total/NA	Water	3520C	
180-151719-6	ALDUP020723	Total/NA	Water	3520C	
180-151719-6 - DL	ALDUP020723	Total/NA	Water	3520C	
180-151719-7	ALREP020723	Total/NA	Water	3520C	
180-151719-7 - DL	ALREP020723	Total/NA	Water	3520C	
180-151719-8	ALEQUIP020723	Total/NA	Water	3520C	
180-151719-10 - DL	ALARW02020723	Total/NA	Water	3520C	
180-151719-10	ALARW02020723	Total/NA	Water	3520C	
180-151719-11	ALARW01020723	Total/NA	Water	3520C	
180-151719-11 - DL	ALARW01020723	Total/NA	Water	3520C	
MB 180-426187/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-426187/2-A	Lab Control Sample	Total/NA	Water	3520C	
180-151719-4 MS	ALAPW04020723	Total/NA	Water	3520C	
180-151719-4 MSD	ALAPW04020723	Total/NA	Water	3520C	

Analysis Batch: 426659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-1 - DL	ALAPW05020723	Total/NA	Water	EPA 8270E	426187
180-151719-3 - DL	ALAPW01020723	Total/NA	Water	EPA 8270E	426187
180-151719-4 - DL	ALAPW04020723	Total/NA	Water	EPA 8270E	426187
180-151719-5 - DL	ALAPW03020723	Total/NA	Water	EPA 8270E	426187

Analysis Batch: 426664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-1	ALAPW05020723	Total/NA	Water	EPA 8270E	426187
180-151719-2	ALAPW02020723	Total/NA	Water	EPA 8270E	426187
180-151719-3	ALAPW01020723	Total/NA	Water	EPA 8270E	426187
180-151719-4	ALAPW04020723	Total/NA	Water	EPA 8270E	426187
180-151719-5	ALAPW03020723	Total/NA	Water	EPA 8270E	426187
180-151719-6	ALDUP020723	Total/NA	Water	EPA 8270E	426187
180-151719-7	ALREP020723	Total/NA	Water	EPA 8270E	426187
180-151719-8	ALEQUIP020723	Total/NA	Water	EPA 8270E	426187
180-151719-10 - DL	ALARW02020723	Total/NA	Water	EPA 8270E	426187
180-151719-11	ALARW01020723	Total/NA	Water	EPA 8270E	426187
MB 180-426187/1-A	Method Blank	Total/NA	Water	EPA 8270E	426187
LCS 180-426187/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E	426187
180-151719-4 MS	ALAPW04020723	Total/NA	Water	EPA 8270E	426187
180-151719-4 MSD	ALAPW04020723	Total/NA	Water	EPA 8270E	426187

Analysis Batch: 426692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-7 - DL	ALREP020723	Total/NA	Water	EPA 8270E	426187
180-151719-11 - DL	ALARW01020723	Total/NA	Water	EPA 8270E	426187

QC Association Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151719-1

GC/MS Semi VOA

Analysis Batch: 426818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-10	ALARW02020723	Total/NA	Water	EPA 8270E	426187

Analysis Batch: 426932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151719-2 - DL	ALAPW02020723	Total/NA	Water	EPA 8270E	426187
180-151719-6 - DL	ALDUP020723	Total/NA	Water	EPA 8270E	426187

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone. 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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CA BS

Client Information	Sampler: DAVID MILLER	Lab PM: Brown, Shali	Carrier Tracking No(s): FTS	COC No: 180-87165-7038.1
Client Contact: Angie Gatchie	Phone: 412-715-4410	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: PA	Page: Page 1 of 3
Company: Key Environmental, Inc	PWSID:			Job #:
Address: 200 Third Avenue	Due Date Requested:			
City: Carnegie	TAT Requested (days): STANDARD			
State, Zip: PA, 15106	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: AGatchie.2006@f-ts.com	WO #:			
Project Name: ACC	Project #: 18007302			
Site: Pennsylvania	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL 3.2 VOA	8270C - TCL 3.2 BNA	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
ALAPW05020723	2-7-23	0900	G	W	N	N	3	2		
ALAPW02020723	2-7-23	0945	G	W	N	N	3	2		
ALAPW01020723	2-7-23	1030	G	W	N	N	3	2		
ALAPW04020723	2-7-23	1105	G	W	N	Y	3	2		
ALMS020723	2-7-23	1105	G	W	N	N	3	2		
ALMSD020723	2-7-23	1105	G	W	N	N	3	2		
ALAPW03020723	2-7-23	1140	G	W	N	N	3	2		
ALDUP020723	2-7-23	0000	G	W	N	N	3	2		
ALREP020723	2-7-23	0000	G	W	N	N	3	2		
ALEQUIP020723	2-7-23	1150	G	W	N	N	3	2		
ALTRIP020723	2-7-23	1215	G	W	N	N	2			

180-151719 Chain of Custody

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

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

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

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	2/8/23 1429	FTS	[signature]	2/8/23 1429	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No..

Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

CA BS

Client Information	Sampler: DAVID MILLER	Lab PM: Brown, Shali	Carrier Tracking No(s): FTS	COC No: 180-87165-7038.2
Client Contact: Angie Gatchie	Phone: 2/12-715-2110	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: PA	Page: Page 2 of 3
Company: Key Environmental, Inc	PWSID:			Job #:
Address: 200 Third Avenue	Due Date Requested:			
City: Carnegie	TAT Requested (days): STANDARD			
State, Zip: PA, 15106	Compliance Project: Δ Yes Δ No			
Phone	PO #: Purchase Order not required			
Email: AGatchie.2006@fts.com	WO #:			
Project Name: ACC	Project #: 18007302			
Site: Pennsylvania	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL 3.2 VOA	8270C - TCL 3.2 BNA	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
ALARW02020723	2-7-23	1230	G	W	N	N	3	2		
ALARW01020723	2-7-23	1300	G	W	N	N	3	2		

2-7-23

2-7-23

Preservation Codes:

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

Other:

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		2/8/23 1429	FTS		2/8/23 1429	EPUNC
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Key Enviro. ACC

2/8/23

C3 2.7 CF+0.1 2.8

C4 2.9 3.0

Thaw #18

Login Sample Receipt Checklist

Client: Key Environmental, Inc

Job Number: 180-151719-1

Login Number: 151719
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Angie Gatchie
Key Environmental, Inc
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 2/7/2023 9:00:10 PM

JOB DESCRIPTION

ACC

JOB NUMBER

180-151115-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the 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. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

Generated
2/7/2023 9:00:10 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-151115-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-151115-1

Comments
No additional comments.

Receipt
The samples were received on 1/26/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

GC/MS VOA
Methods 8260C, 8260D: The continuing calibration verification (CCV) analyzed in batch 180-424468 was outside the method criteria for the following analyte(s): 1,2-Dichloroethane-d4 (LOW). All samples recovered this surrogate within QC criteria.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-424468 was outside the method criteria for the following analyte(s): 2-Butanone, Acetone, Bromomethane and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-425288 was outside the method criteria for the following surrogate:1,2-Dichloroethane-d4 (LOW). All samples recovered this surrogate within QC criteria.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: ALCGAC36012523 (180-151115-3), ALNINF012523 (180-151115-4) and ALCINF012523 (180-151115-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-425288 was outside the method criteria for the following analyte(s): Methyl acetate, 2-Hexanone, cis-1,3-Dichloropropene, Acetone, Chloromethane, Methylene Chloride, 4-Methyl-2-pentanone, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromo-3-Chloropropane 2-Butanone and Bromomethane.(LOW). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA
Methods 8270E, 8270E LL: The continuing calibration verification (CCV) analyzed in 180-425065 was outside the method criteria for the following analyte: Di-n-butyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Methods 8270E, 8270E LL: The continuing calibration verification (CCV) associated with batch 180-425065 recovered outside acceptance criteria, low biased, for Benzyl alcohol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270E: The matrix spike (MS) recoveries for preparation batch 180-424770 and analytical batch 180-425065 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Methods 8270E, 8270E LL: The following sample was diluted due to an abundance of target analytes: ALCINF012523 (180-151115-5). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270E: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALNINF012523 (180-151115-4). Elevated reporting limits (RLs) are provided.

Method 8270E: Surrogate recovery for the following sample was outside control limits high: ALCGAC36012523 (180-151115-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Job ID: 180-151115-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 8270E: The continuing calibration verification (CCV) associated with batch 180-425078 recovered above the upper control limit for 4-Nitrophenol, 2,4,6-Tribromophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2-Nitroaniline, Hexachlorocyclopentadiene, Pentachlorophenol and Di-n-octyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-425078/3).

Method 8270E: The following samples were diluted due to an abundance of target analytes: ALNINF012523 (180-151115-4) and ALCINF012523 (180-151115-5). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

Organic Prep
Method 3520C: Received limited quantity, insufficient amount for MSD. (180-151115-B-1 MS)

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Laboratory: Eurofins Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-23

Sample Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-151115-1	ALNGAC38012523	Water	01/25/23 10:30	01/26/23 10:30
180-151115-2	ALNGAC37012523	Water	01/25/23 10:50	01/26/23 10:30
180-151115-3	ALCGAC36012523	Water	01/25/23 11:15	01/26/23 10:30
180-151115-4	ALNINF012523	Water	01/25/23 11:40	01/26/23 10:30
180-151115-5	ALCINF012523	Water	01/25/23 12:05	01/26/23 10:30

Method Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT

Protocol References:

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: ALNGAC38012523

Lab Sample ID: 180-151115-1

Date Collected: 01/25/23 10:30

Matrix: Water

Date Received: 01/26/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	424468	01/27/23 14:47	C1K	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			290 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	425065	02/02/23 15:13	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: ALNGAC37012523

Lab Sample ID: 180-151115-2

Date Collected: 01/25/23 10:50

Matrix: Water

Date Received: 01/26/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	424468	01/27/23 15:08	C1K	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			290 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	425065	02/02/23 15:56	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: ALCGAC36012523

Lab Sample ID: 180-151115-3

Date Collected: 01/25/23 11:15

Matrix: Water

Date Received: 01/26/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	424468	01/27/23 15:30	C1K	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	50	5 mL	5 mL	425288	02/04/23 15:40	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			240 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	425065	02/02/23 16:18	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: ALNINF012523

Lab Sample ID: 180-151115-4

Date Collected: 01/25/23 11:40

Matrix: Water

Date Received: 01/26/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	424468	01/27/23 20:24	C1K	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	50	5 mL	5 mL	425288	02/04/23 16:22	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			300 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		4	1 mL	1 mL	425065	02/02/23 16:40	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3520C	DL		300 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	40	1 mL	1 mL	425078	02/02/23 17:58	VVP	EET PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCINF012523

Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	424468	01/27/23 20:45	C1K	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	50	5 mL	5 mL	425288	02/04/23 17:04	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL2	500	5 mL	5 mL	425288	02/04/23 21:16	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Prep	3520C			290 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E		25	1 mL	1 mL	425065	02/02/23 17:01	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3520C	DL		290 mL	2.5 mL	424770	01/31/23 10:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E	DL	400	1 mL	1 mL	425078	02/02/23 18:19	VVP	EET PIT
	Instrument ID: CHMSD7									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

BJT = Bill Trout

Batch Type: Analysis

C1K = Chamaiporn Krisorn

PJJ = Patrick Journet

VVP = Vincent Piccolino

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC38012523
Date Collected: 01/25/23 10:30
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-1
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/27/23 14:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 14:47	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 14:47	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			01/27/23 14:47	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 14:47	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			01/27/23 14:47	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 14:47	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 14:47	1
2-Butanone (MEK)	ND	^c	5.0	2.9	ug/L			01/27/23 14:47	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 14:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 14:47	1
Acetone	ND	^c	20	5.5	ug/L			01/27/23 14:47	1
Benzene	ND		5.0	2.0	ug/L			01/27/23 14:47	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 14:47	1
Bromomethane	ND	^c	5.0	4.5	ug/L			01/27/23 14:47	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 14:47	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 14:47	1
Chlorobenzene	ND		5.0	1.6	ug/L			01/27/23 14:47	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 14:47	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 14:47	1
Chloromethane	ND	^c	5.0	3.9	ug/L			01/27/23 14:47	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 14:47	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 14:47	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 14:47	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 14:47	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 14:47	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 14:47	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 14:47	1
Toluene	ND		5.0	1.7	ug/L			01/27/23 14:47	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 14:47	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 14:47	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 14:47	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*	*^c*	*52 - 151*		*01/27/23 14:47*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 118*		*01/27/23 14:47*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 132*		*01/27/23 14:47*	*1*
Toluene-d8 (Surr)	*88*		*53 - 124*		*01/27/23 14:47*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		1.6	0.84	ug/L		01/31/23 10:29	02/02/23 15:13	1
1,2,4-Trichlorobenzene	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:13	1
1,2-Dichlorobenzene	ND		8.6	0.82	ug/L		01/31/23 10:29	02/02/23 15:13	1
1,3-Dichlorobenzene	ND	FL	8.6	0.85	ug/L		01/31/23 10:29	02/02/23 15:13	1
1,4-Dichlorobenzene	ND	FL	8.6	0.53	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,4,5-Trichlorophenol	ND		8.6	2.2	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,4,6-Trichlorophenol	ND		8.6	1.9	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,4-Dichlorophenol	ND		1.6	0.44	ug/L		01/31/23 10:29	02/02/23 15:13	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC38012523
Date Collected: 01/25/23 10:30
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-1
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		8.6	1.4	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,4-Dinitrophenol	ND		86	13	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,4-Dinitrotoluene	ND		8.6	3.0	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,6-Dinitrotoluene	ND		8.6	1.5	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Chloronaphthalene	ND		1.6	0.51	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Chlorophenol	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Methylnaphthalene	ND		1.6	0.53	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Methylphenol	ND		8.6	2.6	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Nitroaniline	ND		43	4.7	ug/L		01/31/23 10:29	02/02/23 15:13	1
2-Nitrophenol	ND		8.6	1.7	ug/L		01/31/23 10:29	02/02/23 15:13	1
3,3'-Dichlorobenzidine	ND		8.6	5.0	ug/L		01/31/23 10:29	02/02/23 15:13	1
3-Nitroaniline	ND		43	3.8	ug/L		01/31/23 10:29	02/02/23 15:13	1
4,6-Dinitro-2-methylphenol	ND		43	13	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Bromophenyl phenyl ether	ND		8.6	2.8	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Chloro-3-methylphenol	ND		8.6	2.4	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Chloroaniline	ND		8.6	3.2	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Chlorophenyl phenyl ether	ND		8.6	1.9	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Nitroaniline	ND		43	3.1	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Nitrophenol	ND		43	8.1	ug/L		01/31/23 10:29	02/02/23 15:13	1
Acenaphthene	ND		1.6	0.56	ug/L		01/31/23 10:29	02/02/23 15:13	1
Anthracene	ND		1.6	0.42	ug/L		01/31/23 10:29	02/02/23 15:13	1
Benzo[a]anthracene	ND		1.6	0.65	ug/L		01/31/23 10:29	02/02/23 15:13	1
Benzo[a]pyrene	ND		1.6	0.46	ug/L		01/31/23 10:29	02/02/23 15:13	1
Benzo[g,h,i]perylene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:13	1
Benzo[k]fluoranthene	ND		1.6	0.76	ug/L		01/31/23 10:29	02/02/23 15:13	1
Bis(2-chloroethoxy)methane	ND		8.6	1.3	ug/L		01/31/23 10:29	02/02/23 15:13	1
Bis(2-chloroethyl)ether	ND		1.6	0.34	ug/L		01/31/23 10:29	02/02/23 15:13	1
Bis(2-ethylhexyl) phthalate	ND		86	54	ug/L		01/31/23 10:29	02/02/23 15:13	1
Butyl benzyl phthalate	ND		8.6	4.0	ug/L		01/31/23 10:29	02/02/23 15:13	1
Carbazole	ND		1.6	0.44	ug/L		01/31/23 10:29	02/02/23 15:13	1
Chrysene	ND		1.6	0.70	ug/L		01/31/23 10:29	02/02/23 15:13	1
Dibenz(a,h)anthracene	ND		1.6	0.62	ug/L		01/31/23 10:29	02/02/23 15:13	1
Dibenzofuran	ND		8.6	1.6	ug/L		01/31/23 10:29	02/02/23 15:13	1
Diethyl phthalate	ND		8.6	4.9	ug/L		01/31/23 10:29	02/02/23 15:13	1
Dimethyl phthalate	ND		8.6	1.7	ug/L		01/31/23 10:29	02/02/23 15:13	1
Di-n-butyl phthalate	**13**	**^c**	8.6	6.4	ug/L		01/31/23 10:29	02/02/23 15:13	1
Di-n-octyl phthalate	ND		8.6	5.9	ug/L		01/31/23 10:29	02/02/23 15:13	1
Fluoranthene	ND		1.6	0.52	ug/L		01/31/23 10:29	02/02/23 15:13	1
Fluorene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:13	1
Hexachlorocyclopentadiene	ND	FL	8.6	4.3	ug/L		01/31/23 10:29	02/02/23 15:13	1
Hexachlorobenzene	ND		1.6	0.48	ug/L		01/31/23 10:29	02/02/23 15:13	1
Hexachlorobutadiene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:13	1
Hexachloroethane	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:13	1
Indeno[1,2,3-cd]pyrene	ND		1.6	0.73	ug/L		01/31/23 10:29	02/02/23 15:13	1
Isophorone	ND		8.6	1.6	ug/L		01/31/23 10:29	02/02/23 15:13	1
Naphthalene	ND		1.6	0.51	ug/L		01/31/23 10:29	02/02/23 15:13	1
Nitrobenzene	ND		17	4.3	ug/L		01/31/23 10:29	02/02/23 15:13	1
N-Nitrosodi-n-propylamine	ND		1.6	0.61	ug/L		01/31/23 10:29	02/02/23 15:13	1
N-Nitrosodiphenylamine	ND		8.6	1.0	ug/L		01/31/23 10:29	02/02/23 15:13	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC38012523
Date Collected: 01/25/23 10:30
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-1
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		43	7.3	ug/L		01/31/23 10:29	02/02/23 15:13	1
Phenanthrene	ND		1.6	0.47	ug/L		01/31/23 10:29	02/02/23 15:13	1
Phenol	ND		8.6	4.2	ug/L		01/31/23 10:29	02/02/23 15:13	1
Pyrene	ND		1.6	0.47	ug/L		01/31/23 10:29	02/02/23 15:13	1
Acenaphthylene	ND		1.6	0.56	ug/L		01/31/23 10:29	02/02/23 15:13	1
4-Methylphenol	ND		8.6	3.2	ug/L		01/31/23 10:29	02/02/23 15:13	1
2,2'-oxybis[1-chloropropane]	ND		1.6	0.50	ug/L		01/31/23 10:29	02/02/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*39 - 121*	*01/31/23 10:29*	*02/02/23 15:13*	*1*
2-Fluorobiphenyl	*79*		*45 - 105*	*01/31/23 10:29*	*02/02/23 15:13*	*1*
2-Fluorophenol	*77*		*38 - 105*	*01/31/23 10:29*	*02/02/23 15:13*	*1*
Nitrobenzene-d5	*94*		*45 - 106*	*01/31/23 10:29*	*02/02/23 15:13*	*1*
Phenol-d5	*85*		*38 - 105*	*01/31/23 10:29*	*02/02/23 15:13*	*1*
Terphenyl-d14	*70*		*28 - 125*	*01/31/23 10:29*	*02/02/23 15:13*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC37012523
Date Collected: 01/25/23 10:50
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-2
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/27/23 15:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 15:08	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 15:08	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			01/27/23 15:08	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 15:08	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			01/27/23 15:08	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 15:08	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 15:08	1
2-Butanone (MEK)	ND	^c	5.0	2.9	ug/L			01/27/23 15:08	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 15:08	1
Acetone	ND	^c	20	5.5	ug/L			01/27/23 15:08	1
Benzene	ND		5.0	2.0	ug/L			01/27/23 15:08	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 15:08	1
Bromomethane	ND	^c	5.0	4.5	ug/L			01/27/23 15:08	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 15:08	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 15:08	1
Chlorobenzene	**8.8**		5.0	1.6	ug/L			01/27/23 15:08	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 15:08	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 15:08	1
Chloromethane	ND	^c	5.0	3.9	ug/L			01/27/23 15:08	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 15:08	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 15:08	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 15:08	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 15:08	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 15:08	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 15:08	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 15:08	1
Toluene	ND		5.0	1.7	ug/L			01/27/23 15:08	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 15:08	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 15:08	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 15:08	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*73*	*^c*	*52 - 151*		*01/27/23 15:08*	*1*
4-Bromofluorobenzene (Surr)	*88*		*49 - 118*		*01/27/23 15:08*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 132*		*01/27/23 15:08*	*1*
Toluene-d8 (Surr)	*91*		*53 - 124*		*01/27/23 15:08*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		1.6	0.84	ug/L		01/31/23 10:29	02/02/23 15:56	1
1,2,4-Trichlorobenzene	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:56	1
1,2-Dichlorobenzene	**14**		8.6	0.82	ug/L		01/31/23 10:29	02/02/23 15:56	1
1,3-Dichlorobenzene	ND		8.6	0.85	ug/L		01/31/23 10:29	02/02/23 15:56	1
1,4-Dichlorobenzene	ND		8.6	0.53	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,4,5-Trichlorophenol	ND		8.6	2.2	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,4,6-Trichlorophenol	ND		8.6	1.9	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,4-Dichlorophenol	ND		1.6	0.44	ug/L		01/31/23 10:29	02/02/23 15:56	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC37012523
Date Collected: 01/25/23 10:50
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-2
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		8.6	1.4	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,4-Dinitrophenol	ND		86	13	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,4-Dinitrotoluene	ND		8.6	3.0	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,6-Dinitrotoluene	ND		8.6	1.5	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Chloronaphthalene	ND		1.6	0.51	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Chlorophenol	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Methylnaphthalene	ND		1.6	0.53	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Methylphenol	ND		8.6	2.6	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Nitroaniline	ND		43	4.7	ug/L		01/31/23 10:29	02/02/23 15:56	1
2-Nitrophenol	ND		8.6	1.7	ug/L		01/31/23 10:29	02/02/23 15:56	1
3,3'-Dichlorobenzidine	ND		8.6	5.0	ug/L		01/31/23 10:29	02/02/23 15:56	1
3-Nitroaniline	ND		43	3.8	ug/L		01/31/23 10:29	02/02/23 15:56	1
4,6-Dinitro-2-methylphenol	ND		43	13	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Bromophenyl phenyl ether	ND		8.6	2.8	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Chloro-3-methylphenol	ND		8.6	2.4	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Chloroaniline	ND		8.6	3.2	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Chlorophenyl phenyl ether	ND		8.6	1.9	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Nitroaniline	ND		43	3.1	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Nitrophenol	ND		43	8.1	ug/L		01/31/23 10:29	02/02/23 15:56	1
Acenaphthene	ND		1.6	0.56	ug/L		01/31/23 10:29	02/02/23 15:56	1
Anthracene	ND		1.6	0.42	ug/L		01/31/23 10:29	02/02/23 15:56	1
Benzo[a]anthracene	ND		1.6	0.65	ug/L		01/31/23 10:29	02/02/23 15:56	1
Benzo[a]pyrene	ND		1.6	0.46	ug/L		01/31/23 10:29	02/02/23 15:56	1
Benzo[g,h,i]perylene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:56	1
Benzo[k]fluoranthene	ND		1.6	0.76	ug/L		01/31/23 10:29	02/02/23 15:56	1
Bis(2-chloroethoxy)methane	ND		8.6	1.3	ug/L		01/31/23 10:29	02/02/23 15:56	1
Bis(2-chloroethyl)ether	ND		1.6	0.34	ug/L		01/31/23 10:29	02/02/23 15:56	1
Bis(2-ethylhexyl) phthalate	ND		86	54	ug/L		01/31/23 10:29	02/02/23 15:56	1
Butyl benzyl phthalate	ND		8.6	4.0	ug/L		01/31/23 10:29	02/02/23 15:56	1
Carbazole	ND		1.6	0.44	ug/L		01/31/23 10:29	02/02/23 15:56	1
Chrysene	ND		1.6	0.70	ug/L		01/31/23 10:29	02/02/23 15:56	1
Dibenz(a,h)anthracene	ND		1.6	0.62	ug/L		01/31/23 10:29	02/02/23 15:56	1
Dibenzofuran	ND		8.6	1.6	ug/L		01/31/23 10:29	02/02/23 15:56	1
Diethyl phthalate	ND		8.6	4.9	ug/L		01/31/23 10:29	02/02/23 15:56	1
Dimethyl phthalate	ND		8.6	1.7	ug/L		01/31/23 10:29	02/02/23 15:56	1
Di-n-butyl phthalate	**14**	**^c**	8.6	6.4	ug/L		01/31/23 10:29	02/02/23 15:56	1
Di-n-octyl phthalate	ND		8.6	5.9	ug/L		01/31/23 10:29	02/02/23 15:56	1
Fluoranthene	ND		1.6	0.52	ug/L		01/31/23 10:29	02/02/23 15:56	1
Fluorene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:56	1
Hexachlorocyclopentadiene	ND		8.6	4.3	ug/L		01/31/23 10:29	02/02/23 15:56	1
Hexachlorobenzene	ND		1.6	0.48	ug/L		01/31/23 10:29	02/02/23 15:56	1
Hexachlorobutadiene	ND		1.6	0.59	ug/L		01/31/23 10:29	02/02/23 15:56	1
Hexachloroethane	ND		8.6	1.1	ug/L		01/31/23 10:29	02/02/23 15:56	1
Indeno[1,2,3-cd]pyrene	ND		1.6	0.73	ug/L		01/31/23 10:29	02/02/23 15:56	1
Isophorone	ND		8.6	1.6	ug/L		01/31/23 10:29	02/02/23 15:56	1
Naphthalene	ND		1.6	0.51	ug/L		01/31/23 10:29	02/02/23 15:56	1
Nitrobenzene	ND		17	4.3	ug/L		01/31/23 10:29	02/02/23 15:56	1
N-Nitrosodi-n-propylamine	ND		1.6	0.61	ug/L		01/31/23 10:29	02/02/23 15:56	1
N-Nitrosodiphenylamine	ND		8.6	1.0	ug/L		01/31/23 10:29	02/02/23 15:56	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNGAC37012523
Date Collected: 01/25/23 10:50
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-2
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		43	7.3	ug/L		01/31/23 10:29	02/02/23 15:56	1
Phenanthrene	ND		1.6	0.47	ug/L		01/31/23 10:29	02/02/23 15:56	1
Phenol	ND		8.6	4.2	ug/L		01/31/23 10:29	02/02/23 15:56	1
Pyrene	ND		1.6	0.47	ug/L		01/31/23 10:29	02/02/23 15:56	1
Acenaphthylene	ND		1.6	0.56	ug/L		01/31/23 10:29	02/02/23 15:56	1
4-Methylphenol	ND		8.6	3.2	ug/L		01/31/23 10:29	02/02/23 15:56	1
2,2'-oxybis[1-chloropropane]	ND		1.6	0.50	ug/L		01/31/23 10:29	02/02/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*39 - 121*	*01/31/23 10:29*	*02/02/23 15:56*	*1*
2-Fluorobiphenyl	*82*		*45 - 105*	*01/31/23 10:29*	*02/02/23 15:56*	*1*
2-Fluorophenol	*81*		*38 - 105*	*01/31/23 10:29*	*02/02/23 15:56*	*1*
Nitrobenzene-d5	*90*		*45 - 106*	*01/31/23 10:29*	*02/02/23 15:56*	*1*
Phenol-d5	*81*		*38 - 105*	*01/31/23 10:29*	*02/02/23 15:56*	*1*
Terphenyl-d14	*60*		*28 - 125*	*01/31/23 10:29*	*02/02/23 15:56*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCGAC36012523
Date Collected: 01/25/23 11:15
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/27/23 15:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 15:30	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 15:30	1
1,1-Dichloroethane	**1.9**	**J**	5.0	1.8	ug/L			01/27/23 15:30	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 15:30	1
1,2-Dichloroethane	**100**	**E**	5.0	1.5	ug/L			01/27/23 15:30	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 15:30	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 15:30	1
2-Butanone (MEK)	ND	^c	5.0	2.9	ug/L			01/27/23 15:30	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 15:30	1
Acetone	ND	^c	20	5.5	ug/L			01/27/23 15:30	1
Benzene	**86**	**E**	5.0	2.0	ug/L			01/27/23 15:30	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 15:30	1
Bromomethane	ND	^c	5.0	4.5	ug/L			01/27/23 15:30	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 15:30	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 15:30	1
Chlorobenzene	**510**	**E**	5.0	1.6	ug/L			01/27/23 15:30	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 15:30	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 15:30	1
Chloromethane	ND	^c	5.0	3.9	ug/L			01/27/23 15:30	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 15:30	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 15:30	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 15:30	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 15:30	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 15:30	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 15:30	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 15:30	1
Toluene	ND		5.0	1.7	ug/L			01/27/23 15:30	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 15:30	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 15:30	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 15:30	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*	*^c*	*52 - 151*		*01/27/23 15:30*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 118*		*01/27/23 15:30*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 132*		*01/27/23 15:30*	*1*
Toluene-d8 (Surr)	*101*		*53 - 124*		*01/27/23 15:30*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	130	ug/L			02/04/23 15:40	50
1,1,2,2-Tetrachloroethane	ND		250	150	ug/L			02/04/23 15:40	50
1,1,2-Trichloroethane	ND		250	120	ug/L			02/04/23 15:40	50
1,1-Dichloroethane	ND		250	91	ug/L			02/04/23 15:40	50
1,1-Dichloroethene	ND		250	140	ug/L			02/04/23 15:40	50
1,2-Dichloroethane	**110**	**J**	250	73	ug/L			02/04/23 15:40	50
1,2-Dichloroethene, Total	ND		500	200	ug/L			02/04/23 15:40	50
1,2-Dichloropropane	ND		250	120	ug/L			02/04/23 15:40	50

Client Sample ID: ALCGAC36012523
Date Collected: 01/25/23 11:15
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	^c	250	140	ug/L			02/04/23 15:40	50
2-Hexanone	ND	^c	250	210	ug/L			02/04/23 15:40	50
4-Methyl-2-pentanone (MIBK)	ND	^c	250	93	ug/L			02/04/23 15:40	50
Acetone	ND	^c	1000	270	ug/L			02/04/23 15:40	50
Benzene	ND		250	98	ug/L			02/04/23 15:40	50
Bromoform	ND		250	130	ug/L			02/04/23 15:40	50
Bromomethane	ND	^c	250	220	ug/L			02/04/23 15:40	50
Carbon disulfide	ND		250	150	ug/L			02/04/23 15:40	50
Carbon tetrachloride	ND		250	170	ug/L			02/04/23 15:40	50
Chlorobenzene	**570**		250	79	ug/L			02/04/23 15:40	50
Dibromochloromethane	ND		250	120	ug/L			02/04/23 15:40	50
Chloroform	ND		250	110	ug/L			02/04/23 15:40	50
Chloromethane	ND	^c	250	190	ug/L			02/04/23 15:40	50
Chloroethane	ND		250	130	ug/L			02/04/23 15:40	50
cis-1,3-Dichloropropene	ND	^c	250	80	ug/L			02/04/23 15:40	50
Bromodichloromethane	ND		250	120	ug/L			02/04/23 15:40	50
Ethylbenzene	ND		250	110	ug/L			02/04/23 15:40	50
Methylene Chloride	ND	^c	250	190	ug/L			02/04/23 15:40	50
Styrene	ND		250	67	ug/L			02/04/23 15:40	50
Tetrachloroethene	ND		250	100	ug/L			02/04/23 15:40	50
Toluene	ND		250	84	ug/L			02/04/23 15:40	50
trans-1,3-Dichloropropene	ND		250	86	ug/L			02/04/23 15:40	50
Trichloroethene	ND		250	75	ug/L			02/04/23 15:40	50
Xylenes, Total	ND		500	220	ug/L			02/04/23 15:40	50
Vinyl chloride	ND		250	180	ug/L			02/04/23 15:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*72*	*^c*	*52 - 151*		*02/04/23 15:40*	*50*
4-Bromofluorobenzene (Surr)	*94*		*49 - 118*		*02/04/23 15:40*	*50*
Dibromofluoromethane (Surr)	*81*		*60 - 132*		*02/04/23 15:40*	*50*
Toluene-d8 (Surr)	*89*		*53 - 124*		*02/04/23 15:40*	*50*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		2.0	1.0	ug/L		01/31/23 10:29	02/02/23 16:18	1
1,2,4-Trichlorobenzene	ND		10	1.4	ug/L		01/31/23 10:29	02/02/23 16:18	1
1,2-Dichlorobenzene	**240**		10	0.99	ug/L		01/31/23 10:29	02/02/23 16:18	1
1,3-Dichlorobenzene	ND		10	1.0	ug/L		01/31/23 10:29	02/02/23 16:18	1
1,4-Dichlorobenzene	**7.1**	**J**	10	0.64	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4,5-Trichlorophenol	ND		10	2.6	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4,6-Trichlorophenol	ND		10	2.3	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4-Dichlorophenol	ND		2.0	0.53	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4-Dimethylphenol	ND		10	1.7	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4-Dinitrophenol	ND		100	16	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,4-Dinitrotoluene	ND		10	3.7	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,6-Dinitrotoluene	ND		10	1.8	ug/L		01/31/23 10:29	02/02/23 16:18	1
2-Chloronaphthalene	ND		2.0	0.61	ug/L		01/31/23 10:29	02/02/23 16:18	1
2-Chlorophenol	ND		10	1.3	ug/L		01/31/23 10:29	02/02/23 16:18	1
2-Methylnaphthalene	ND		2.0	0.65	ug/L		01/31/23 10:29	02/02/23 16:18	1
2-Methylphenol	ND		10	3.1	ug/L		01/31/23 10:29	02/02/23 16:18	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCGAC36012523
Date Collected: 01/25/23 11:15
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-3
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		52	5.7	ug/L		01/31/23 10:29	02/02/23 16:18	1
2-Nitrophenol	ND		10	2.0	ug/L		01/31/23 10:29	02/02/23 16:18	1
3,3'-Dichlorobenzidine	ND		10	6.1	ug/L		01/31/23 10:29	02/02/23 16:18	1
3-Nitroaniline	ND		52	4.6	ug/L		01/31/23 10:29	02/02/23 16:18	1
4,6-Dinitro-2-methylphenol	ND		52	15	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Bromophenyl phenyl ether	ND		10	3.3	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Chloro-3-methylphenol	ND		10	2.9	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Chloroaniline	**250**		10	3.9	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Chlorophenyl phenyl ether	ND		10	2.3	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Nitroaniline	ND		52	3.8	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Nitrophenol	ND		52	9.8	ug/L		01/31/23 10:29	02/02/23 16:18	1
Acenaphthene	ND		2.0	0.68	ug/L		01/31/23 10:29	02/02/23 16:18	1
Anthracene	ND		2.0	0.51	ug/L		01/31/23 10:29	02/02/23 16:18	1
Benzo[a]anthracene	ND		2.0	0.78	ug/L		01/31/23 10:29	02/02/23 16:18	1
Benzo[a]pyrene	ND		2.0	0.55	ug/L		01/31/23 10:29	02/02/23 16:18	1
Benzo[g,h,i]perylene	ND		2.0	0.72	ug/L		01/31/23 10:29	02/02/23 16:18	1
Benzo[k]fluoranthene	ND		2.0	0.92	ug/L		01/31/23 10:29	02/02/23 16:18	1
Bis(2-chloroethoxy)methane	ND		10	1.6	ug/L		01/31/23 10:29	02/02/23 16:18	1
Bis(2-chloroethyl)ether	ND		2.0	0.42	ug/L		01/31/23 10:29	02/02/23 16:18	1
Bis(2-ethylhexyl) phthalate	ND		100	65	ug/L		01/31/23 10:29	02/02/23 16:18	1
Butyl benzyl phthalate	ND		10	4.8	ug/L		01/31/23 10:29	02/02/23 16:18	1
Carbazole	ND		2.0	0.53	ug/L		01/31/23 10:29	02/02/23 16:18	1
Chrysene	ND		2.0	0.84	ug/L		01/31/23 10:29	02/02/23 16:18	1
Dibenz(a,h)anthracene	ND		2.0	0.75	ug/L		01/31/23 10:29	02/02/23 16:18	1
Dibenzofuran	ND		10	2.0	ug/L		01/31/23 10:29	02/02/23 16:18	1
Diethyl phthalate	ND		10	5.9	ug/L		01/31/23 10:29	02/02/23 16:18	1
Dimethyl phthalate	ND		10	2.1	ug/L		01/31/23 10:29	02/02/23 16:18	1
Di-n-butyl phthalate	**19**	**^c**	10	7.7	ug/L		01/31/23 10:29	02/02/23 16:18	1
Di-n-octyl phthalate	ND		10	7.1	ug/L		01/31/23 10:29	02/02/23 16:18	1
Fluoranthene	ND		2.0	0.63	ug/L		01/31/23 10:29	02/02/23 16:18	1
Fluorene	ND		2.0	0.72	ug/L		01/31/23 10:29	02/02/23 16:18	1
Hexachlorocyclopentadiene	ND		10	5.2	ug/L		01/31/23 10:29	02/02/23 16:18	1
Hexachlorobenzene	ND		2.0	0.58	ug/L		01/31/23 10:29	02/02/23 16:18	1
Hexachlorobutadiene	ND		2.0	0.72	ug/L		01/31/23 10:29	02/02/23 16:18	1
Hexachloroethane	ND		10	1.4	ug/L		01/31/23 10:29	02/02/23 16:18	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.89	ug/L		01/31/23 10:29	02/02/23 16:18	1
Isophorone	ND		10	2.0	ug/L		01/31/23 10:29	02/02/23 16:18	1
Naphthalene	ND		2.0	0.61	ug/L		01/31/23 10:29	02/02/23 16:18	1
Nitrobenzene	ND		21	5.2	ug/L		01/31/23 10:29	02/02/23 16:18	1
N-Nitrosodi-n-propylamine	ND		2.0	0.74	ug/L		01/31/23 10:29	02/02/23 16:18	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		01/31/23 10:29	02/02/23 16:18	1
Pentachlorophenol	ND		52	8.8	ug/L		01/31/23 10:29	02/02/23 16:18	1
Phenanthrene	ND		2.0	0.57	ug/L		01/31/23 10:29	02/02/23 16:18	1
Phenol	ND		10	5.1	ug/L		01/31/23 10:29	02/02/23 16:18	1
Pyrene	ND		2.0	0.56	ug/L		01/31/23 10:29	02/02/23 16:18	1
Acenaphthylene	ND		2.0	0.68	ug/L		01/31/23 10:29	02/02/23 16:18	1
4-Methylphenol	ND		10	3.9	ug/L		01/31/23 10:29	02/02/23 16:18	1
2,2'-oxybis[1-chloropropane]	ND		2.0	0.60	ug/L		01/31/23 10:29	02/02/23 16:18	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCGAC36012523
Date Collected: 01/25/23 11:15
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		39 - 121	01/31/23 10:29	02/02/23 16:18	1
2-Fluorobiphenyl	78		45 - 105	01/31/23 10:29	02/02/23 16:18	1
2-Fluorophenol	86		38 - 105	01/31/23 10:29	02/02/23 16:18	1
Nitrobenzene-d5	112	S1+	45 - 106	01/31/23 10:29	02/02/23 16:18	1
Phenol-d5	50		38 - 105	01/31/23 10:29	02/02/23 16:18	1
Terphenyl-d14	69		28 - 125	01/31/23 10:29	02/02/23 16:18	1

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNINF012523

Date Collected: 01/25/23 11:40
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-4

Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/27/23 20:24	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 20:24	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 20:24	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			01/27/23 20:24	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 20:24	1
1,2-Dichloroethane	**18**		5.0	1.5	ug/L			01/27/23 20:24	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 20:24	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 20:24	1
2-Butanone (MEK)	ND	^c	5.0	2.9	ug/L			01/27/23 20:24	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 20:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 20:24	1
Acetone	ND	^c	20	5.5	ug/L			01/27/23 20:24	1
Benzene	**28**		5.0	2.0	ug/L			01/27/23 20:24	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 20:24	1
Bromomethane	ND	^c	5.0	4.5	ug/L			01/27/23 20:24	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 20:24	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 20:24	1
Chlorobenzene	**610**	**E**	5.0	1.6	ug/L			01/27/23 20:24	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 20:24	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 20:24	1
Chloromethane	ND	^c	5.0	3.9	ug/L			01/27/23 20:24	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 20:24	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 20:24	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 20:24	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 20:24	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 20:24	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 20:24	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 20:24	1
Toluene	ND		5.0	1.7	ug/L			01/27/23 20:24	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 20:24	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 20:24	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 20:24	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*72*	*^c*	*52 - 151*		*01/27/23 20:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 118*		*01/27/23 20:24*	*1*
Dibromofluoromethane (Surr)	*81*		*60 - 132*		*01/27/23 20:24*	*1*
Toluene-d8 (Surr)	*101*		*53 - 124*		*01/27/23 20:24*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	130	ug/L			02/04/23 16:22	50
1,1,2,2-Tetrachloroethane	ND		250	150	ug/L			02/04/23 16:22	50
1,1,2-Trichloroethane	ND		250	120	ug/L			02/04/23 16:22	50
1,1-Dichloroethane	ND		250	91	ug/L			02/04/23 16:22	50
1,1-Dichloroethene	ND		250	140	ug/L			02/04/23 16:22	50
1,2-Dichloroethane	ND		250	73	ug/L			02/04/23 16:22	50
1,2-Dichloroethene, Total	ND		500	200	ug/L			02/04/23 16:22	50
1,2-Dichloropropane	ND		250	120	ug/L			02/04/23 16:22	50

Client Sample ID: ALNINF012523
Date Collected: 01/25/23 11:40
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-4
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	^c	250	140	ug/L			02/04/23 16:22	50
2-Hexanone	ND	^c	250	210	ug/L			02/04/23 16:22	50
4-Methyl-2-pentanone (MIBK)	ND	^c	250	93	ug/L			02/04/23 16:22	50
Acetone	ND	^c	1000	270	ug/L			02/04/23 16:22	50
Benzene	ND		250	98	ug/L			02/04/23 16:22	50
Bromoform	ND		250	130	ug/L			02/04/23 16:22	50
Bromomethane	ND	^c	250	220	ug/L			02/04/23 16:22	50
Carbon disulfide	ND		250	150	ug/L			02/04/23 16:22	50
Carbon tetrachloride	ND		250	170	ug/L			02/04/23 16:22	50
Chlorobenzene	**2100**		250	79	ug/L			02/04/23 16:22	50
Dibromochloromethane	ND		250	120	ug/L			02/04/23 16:22	50
Chloroform	ND		250	110	ug/L			02/04/23 16:22	50
Chloromethane	ND	^c	250	190	ug/L			02/04/23 16:22	50
Chloroethane	ND		250	130	ug/L			02/04/23 16:22	50
cis-1,3-Dichloropropene	ND	^c	250	80	ug/L			02/04/23 16:22	50
Bromodichloromethane	ND		250	120	ug/L			02/04/23 16:22	50
Ethylbenzene	ND		250	110	ug/L			02/04/23 16:22	50
Methylene Chloride	ND	^c	250	190	ug/L			02/04/23 16:22	50
Styrene	ND		250	67	ug/L			02/04/23 16:22	50
Tetrachloroethene	ND		250	100	ug/L			02/04/23 16:22	50
Toluene	ND		250	84	ug/L			02/04/23 16:22	50
trans-1,3-Dichloropropene	ND		250	86	ug/L			02/04/23 16:22	50
Trichloroethene	ND		250	75	ug/L			02/04/23 16:22	50
Xylenes, Total	ND		500	220	ug/L			02/04/23 16:22	50
Vinyl chloride	ND		250	180	ug/L			02/04/23 16:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*71*	*^c*	*52 - 151*		*02/04/23 16:22*	*50*
4-Bromofluorobenzene (Surr)	*91*		*49 - 118*		*02/04/23 16:22*	*50*
Dibromofluoromethane (Surr)	*80*		*60 - 132*		*02/04/23 16:22*	*50*
Toluene-d8 (Surr)	*84*		*53 - 124*		*02/04/23 16:22*	*50*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		6.3	3.2	ug/L		01/31/23 10:29	02/02/23 16:40	4
1,2,4-Trichlorobenzene	ND		33	4.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
1,2-Dichlorobenzene	**2100**	**E**	33	3.2	ug/L		01/31/23 10:29	02/02/23 16:40	4
1,3-Dichlorobenzene	**14**	**J**	33	3.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
1,4-Dichlorobenzene	**110**		33	2.0	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4,5-Trichlorophenol	ND		33	8.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4,6-Trichlorophenol	ND		33	7.5	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4-Dichlorophenol	ND		6.3	1.7	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4-Dimethylphenol	ND		33	5.6	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4-Dinitrophenol	ND		330	51	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,4-Dinitrotoluene	ND		33	12	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,6-Dinitrotoluene	ND		33	5.8	ug/L		01/31/23 10:29	02/02/23 16:40	4
2-Chloronaphthalene	ND		6.3	2.0	ug/L		01/31/23 10:29	02/02/23 16:40	4
2-Chlorophenol	**11**	**J**	33	4.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
2-Methylnaphthalene	ND		6.3	2.1	ug/L		01/31/23 10:29	02/02/23 16:40	4
2-Methylphenol	ND		33	10	ug/L		01/31/23 10:29	02/02/23 16:40	4

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALNINF012523
Date Collected: 01/25/23 11:40
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-4
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		170	18	ug/L		01/31/23 10:29	02/02/23 16:40	4
2-Nitrophenol	ND		33	6.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
3,3'-Dichlorobenzidine	ND		33	19	ug/L		01/31/23 10:29	02/02/23 16:40	4
3-Nitroaniline	ND		170	15	ug/L		01/31/23 10:29	02/02/23 16:40	4
4,6-Dinitro-2-methylphenol	ND		170	49	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Bromophenyl phenyl ether	ND		33	11	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Chloro-3-methylphenol	ND		33	9.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Chloroaniline	**32**	**J**	33	13	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Chlorophenyl phenyl ether	ND		33	7.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Nitroaniline	ND		170	12	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Nitrophenol	ND		170	31	ug/L		01/31/23 10:29	02/02/23 16:40	4
Acenaphthene	ND		6.3	2.2	ug/L		01/31/23 10:29	02/02/23 16:40	4
Anthracene	ND		6.3	1.6	ug/L		01/31/23 10:29	02/02/23 16:40	4
Benzo[a]anthracene	ND		6.3	2.5	ug/L		01/31/23 10:29	02/02/23 16:40	4
Benzo[a]pyrene	ND		6.3	1.8	ug/L		01/31/23 10:29	02/02/23 16:40	4
Benzo[g,h,i]perylene	ND		6.3	2.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Benzo[k]fluoranthene	ND		6.3	2.9	ug/L		01/31/23 10:29	02/02/23 16:40	4
Bis(2-chloroethoxy)methane	ND		33	5.1	ug/L		01/31/23 10:29	02/02/23 16:40	4
Bis(2-chloroethyl)ether	ND		6.3	1.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Bis(2-ethylhexyl) phthalate	ND		330	210	ug/L		01/31/23 10:29	02/02/23 16:40	4
Butyl benzyl phthalate	ND		33	15	ug/L		01/31/23 10:29	02/02/23 16:40	4
Carbazole	ND		6.3	1.7	ug/L		01/31/23 10:29	02/02/23 16:40	4
Chrysene	ND		6.3	2.7	ug/L		01/31/23 10:29	02/02/23 16:40	4
Dibenz(a,h)anthracene	ND		6.3	2.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
Dibenzofuran	ND		33	6.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Diethyl phthalate	ND		33	19	ug/L		01/31/23 10:29	02/02/23 16:40	4
Dimethyl phthalate	ND		33	6.7	ug/L		01/31/23 10:29	02/02/23 16:40	4
Di-n-butyl phthalate	ND	^c	33	25	ug/L		01/31/23 10:29	02/02/23 16:40	4
Di-n-octyl phthalate	ND		33	23	ug/L		01/31/23 10:29	02/02/23 16:40	4
Fluoranthene	ND		6.3	2.0	ug/L		01/31/23 10:29	02/02/23 16:40	4
Fluorene	ND		6.3	2.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Hexachlorocyclopentadiene	ND		33	17	ug/L		01/31/23 10:29	02/02/23 16:40	4
Hexachlorobenzene	ND		6.3	1.9	ug/L		01/31/23 10:29	02/02/23 16:40	4
Hexachlorobutadiene	ND		6.3	2.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Hexachloroethane	ND		33	4.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
Indeno[1,2,3-cd]pyrene	ND		6.3	2.8	ug/L		01/31/23 10:29	02/02/23 16:40	4
Isophorone	ND		33	6.3	ug/L		01/31/23 10:29	02/02/23 16:40	4
Naphthalene	ND		6.3	2.0	ug/L		01/31/23 10:29	02/02/23 16:40	4
Nitrobenzene	ND		67	17	ug/L		01/31/23 10:29	02/02/23 16:40	4
N-Nitrosodi-n-propylamine	ND		6.3	2.4	ug/L		01/31/23 10:29	02/02/23 16:40	4
N-Nitrosodiphenylamine	ND		33	4.0	ug/L		01/31/23 10:29	02/02/23 16:40	4
Pentachlorophenol	ND		170	28	ug/L		01/31/23 10:29	02/02/23 16:40	4
Phenanthrene	ND		6.3	1.8	ug/L		01/31/23 10:29	02/02/23 16:40	4
Phenol	ND		33	16	ug/L		01/31/23 10:29	02/02/23 16:40	4
Pyrene	ND		6.3	1.8	ug/L		01/31/23 10:29	02/02/23 16:40	4
Acenaphthylene	ND		6.3	2.2	ug/L		01/31/23 10:29	02/02/23 16:40	4
4-Methylphenol	ND		33	12	ug/L		01/31/23 10:29	02/02/23 16:40	4
2,2'-oxybis[1-chloropropane]	ND		6.3	1.9	ug/L		01/31/23 10:29	02/02/23 16:40	4

Client Sample ID: ALNINF012523
Date Collected: 01/25/23 11:40
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*39 - 121*	*01/31/23 10:29*	*02/02/23 16:40*	*4*
2-Fluorobiphenyl	*65*		*45 - 105*	*01/31/23 10:29*	*02/02/23 16:40*	*4*
2-Fluorophenol	*47*		*38 - 105*	*01/31/23 10:29*	*02/02/23 16:40*	*4*
Nitrobenzene-d5	*80*		*45 - 106*	*01/31/23 10:29*	*02/02/23 16:40*	*4*
Phenol-d5	*47*		*38 - 105*	*01/31/23 10:29*	*02/02/23 16:40*	*4*
Terphenyl-d14	*56*		*28 - 125*	*01/31/23 10:29*	*02/02/23 16:40*	*4*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		63	32	ug/L		01/31/23 10:29	02/02/23 17:58	40
1,2,4-Trichlorobenzene	ND		330	44	ug/L		01/31/23 10:29	02/02/23 17:58	40
1,2-Dichlorobenzene	**2700**		330	32	ug/L		01/31/23 10:29	02/02/23 17:58	40
1,3-Dichlorobenzene	ND		330	33	ug/L		01/31/23 10:29	02/02/23 17:58	40
1,4-Dichlorobenzene	**120**	**J**	330	20	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4,5-Trichlorophenol	ND	^c	330	84	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4,6-Trichlorophenol	ND		330	75	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4-Dichlorophenol	ND		63	17	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4-Dimethylphenol	ND		330	56	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4-Dinitrophenol	ND		3300	510	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,4-Dinitrotoluene	ND	^c	330	120	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,6-Dinitrotoluene	ND		330	58	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Chloronaphthalene	ND		63	20	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Chlorophenol	ND		330	43	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Methylnaphthalene	ND		63	21	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Methylphenol	ND		330	100	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Nitroaniline	ND	^c	1700	180	ug/L		01/31/23 10:29	02/02/23 17:58	40
2-Nitrophenol	ND		330	64	ug/L		01/31/23 10:29	02/02/23 17:58	40
3,3'-Dichlorobenzidine	ND		330	190	ug/L		01/31/23 10:29	02/02/23 17:58	40
3-Nitroaniline	ND		1700	150	ug/L		01/31/23 10:29	02/02/23 17:58	40
4,6-Dinitro-2-methylphenol	ND		1700	490	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Bromophenyl phenyl ether	ND		330	110	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Chloro-3-methylphenol	ND		330	93	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Chloroaniline	ND		330	130	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Chlorophenyl phenyl ether	ND		330	74	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Nitroaniline	ND		1700	120	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Nitrophenol	ND	^c	1700	310	ug/L		01/31/23 10:29	02/02/23 17:58	40
Acenaphthene	ND		63	22	ug/L		01/31/23 10:29	02/02/23 17:58	40
Anthracene	ND		63	16	ug/L		01/31/23 10:29	02/02/23 17:58	40
Benzo[a]anthracene	ND		63	25	ug/L		01/31/23 10:29	02/02/23 17:58	40
Benzo[a]pyrene	ND		63	18	ug/L		01/31/23 10:29	02/02/23 17:58	40
Benzo[g,h,i]perylene	ND		63	23	ug/L		01/31/23 10:29	02/02/23 17:58	40
Benzo[k]fluoranthene	ND		63	29	ug/L		01/31/23 10:29	02/02/23 17:58	40
Bis(2-chloroethoxy)methane	ND		330	51	ug/L		01/31/23 10:29	02/02/23 17:58	40
Bis(2-chloroethyl)ether	ND		63	13	ug/L		01/31/23 10:29	02/02/23 17:58	40
Bis(2-ethylhexyl) phthalate	ND		3300	2100	ug/L		01/31/23 10:29	02/02/23 17:58	40
Butyl benzyl phthalate	ND		330	150	ug/L		01/31/23 10:29	02/02/23 17:58	40
Carbazole	ND		63	17	ug/L		01/31/23 10:29	02/02/23 17:58	40
Chrysene	ND		63	27	ug/L		01/31/23 10:29	02/02/23 17:58	40
Dibenz(a,h)anthracene	ND		63	24	ug/L		01/31/23 10:29	02/02/23 17:58	40
Dibenzofuran	ND		330	63	ug/L		01/31/23 10:29	02/02/23 17:58	40

Client Sample ID: ALNINF012523
Date Collected: 01/25/23 11:40
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-4
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		330	190	ug/L		01/31/23 10:29	02/02/23 17:58	40
Dimethyl phthalate	ND		330	67	ug/L		01/31/23 10:29	02/02/23 17:58	40
Di-n-butyl phthalate	ND		330	250	ug/L		01/31/23 10:29	02/02/23 17:58	40
Di-n-octyl phthalate	ND	^c	330	230	ug/L		01/31/23 10:29	02/02/23 17:58	40
Fluoranthene	ND		63	20	ug/L		01/31/23 10:29	02/02/23 17:58	40
Fluorene	ND		63	23	ug/L		01/31/23 10:29	02/02/23 17:58	40
Hexachlorocyclopentadiene	ND	^c	330	170	ug/L		01/31/23 10:29	02/02/23 17:58	40
Hexachlorobenzene	ND		63	19	ug/L		01/31/23 10:29	02/02/23 17:58	40
Hexachlorobutadiene	ND		63	23	ug/L		01/31/23 10:29	02/02/23 17:58	40
Hexachloroethane	ND		330	44	ug/L		01/31/23 10:29	02/02/23 17:58	40
Indeno[1,2,3-cd]pyrene	ND		63	28	ug/L		01/31/23 10:29	02/02/23 17:58	40
Isophorone	ND		330	63	ug/L		01/31/23 10:29	02/02/23 17:58	40
Naphthalene	ND		63	20	ug/L		01/31/23 10:29	02/02/23 17:58	40
Nitrobenzene	ND		670	170	ug/L		01/31/23 10:29	02/02/23 17:58	40
N-Nitrosodi-n-propylamine	ND		63	24	ug/L		01/31/23 10:29	02/02/23 17:58	40
N-Nitrosodiphenylamine	ND		330	40	ug/L		01/31/23 10:29	02/02/23 17:58	40
Pentachlorophenol	ND	^c	1700	280	ug/L		01/31/23 10:29	02/02/23 17:58	40
Phenanthrene	ND		63	18	ug/L		01/31/23 10:29	02/02/23 17:58	40
Phenol	ND		330	160	ug/L		01/31/23 10:29	02/02/23 17:58	40
Pyrene	ND		63	18	ug/L		01/31/23 10:29	02/02/23 17:58	40
Acenaphthylene	ND		63	22	ug/L		01/31/23 10:29	02/02/23 17:58	40
4-Methylphenol	ND		330	120	ug/L		01/31/23 10:29	02/02/23 17:58	40
2,2'-oxybis[1-chloropropane]	ND		63	19	ug/L		01/31/23 10:29	02/02/23 17:58	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D ^c S1-*	*39 - 121*	*01/31/23 10:29*	*02/02/23 17:58*	*40*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*01/31/23 10:29*	*02/02/23 17:58*	*40*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*01/31/23 10:29*	*02/02/23 17:58*	*40*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*01/31/23 10:29*	*02/02/23 17:58*	*40*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*01/31/23 10:29*	*02/02/23 17:58*	*40*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*01/31/23 10:29*	*02/02/23 17:58*	*40*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/27/23 20:45	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 20:45	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 20:45	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			01/27/23 20:45	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 20:45	1
1,2-Dichloroethane	**2.7**	**J**	5.0	1.5	ug/L			01/27/23 20:45	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 20:45	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 20:45	1
2-Butanone (MEK)	ND	^c	5.0	2.9	ug/L			01/27/23 20:45	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 20:45	1
Acetone	ND	^c	20	5.5	ug/L			01/27/23 20:45	1
Benzene	**41**		5.0	2.0	ug/L			01/27/23 20:45	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 20:45	1
Bromomethane	ND	^c	5.0	4.5	ug/L			01/27/23 20:45	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 20:45	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 20:45	1
Chlorobenzene	**1300**	**E**	5.0	1.6	ug/L			01/27/23 20:45	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 20:45	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 20:45	1
Chloromethane	ND	^c	5.0	3.9	ug/L			01/27/23 20:45	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 20:45	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 20:45	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 20:45	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 20:45	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 20:45	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 20:45	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 20:45	1
Toluene	**470**	**E**	5.0	1.7	ug/L			01/27/23 20:45	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 20:45	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 20:45	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 20:45	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*	*^c*	*52 - 151*		*01/27/23 20:45*	*1*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*49 - 118*		*01/27/23 20:45*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 132*		*01/27/23 20:45*	*1*
Toluene-d8 (Surr)	*132*	*S1+*	*53 - 124*		*01/27/23 20:45*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	130	ug/L			02/04/23 17:04	50
1,1,2,2-Tetrachloroethane	ND		250	150	ug/L			02/04/23 17:04	50
1,1,2-Trichloroethane	ND		250	120	ug/L			02/04/23 17:04	50
1,1-Dichloroethane	ND		250	91	ug/L			02/04/23 17:04	50
1,1-Dichloroethene	ND		250	140	ug/L			02/04/23 17:04	50
1,2-Dichloroethane	ND		250	73	ug/L			02/04/23 17:04	50
1,2-Dichloroethene, Total	ND		500	200	ug/L			02/04/23 17:04	50
1,2-Dichloropropane	ND		250	120	ug/L			02/04/23 17:04	50

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	^c	250	140	ug/L			02/04/23 17:04	50
2-Hexanone	ND	^c	250	210	ug/L			02/04/23 17:04	50
4-Methyl-2-pentanone (MIBK)	ND	^c	250	93	ug/L			02/04/23 17:04	50
Acetone	ND	^c	1000	270	ug/L			02/04/23 17:04	50
Benzene	ND		250	98	ug/L			02/04/23 17:04	50
Bromoform	ND		250	130	ug/L			02/04/23 17:04	50
Bromomethane	ND	^c	250	220	ug/L			02/04/23 17:04	50
Carbon disulfide	ND		250	150	ug/L			02/04/23 17:04	50
Carbon tetrachloride	ND		250	170	ug/L			02/04/23 17:04	50
Chlorobenzene	**8100**	**E**	250	79	ug/L			02/04/23 17:04	50
Dibromochloromethane	ND		250	120	ug/L			02/04/23 17:04	50
Chloroform	ND		250	110	ug/L			02/04/23 17:04	50
Chloromethane	ND	^c	250	190	ug/L			02/04/23 17:04	50
Chloroethane	ND		250	130	ug/L			02/04/23 17:04	50
cis-1,3-Dichloropropene	ND	^c	250	80	ug/L			02/04/23 17:04	50
Bromodichloromethane	ND		250	120	ug/L			02/04/23 17:04	50
Ethylbenzene	ND		250	110	ug/L			02/04/23 17:04	50
Methylene Chloride	ND	^c	250	190	ug/L			02/04/23 17:04	50
Styrene	ND		250	67	ug/L			02/04/23 17:04	50
Tetrachloroethene	ND		250	100	ug/L			02/04/23 17:04	50
Toluene	**960**		250	84	ug/L			02/04/23 17:04	50
trans-1,3-Dichloropropene	ND		250	86	ug/L			02/04/23 17:04	50
Trichloroethene	ND		250	75	ug/L			02/04/23 17:04	50
Xylenes, Total	ND		500	220	ug/L			02/04/23 17:04	50
Vinyl chloride	ND		250	180	ug/L			02/04/23 17:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*70*	*^c*	*52 - 151*		*02/04/23 17:04*	*50*
4-Bromofluorobenzene (Surr)	*87*		*49 - 118*		*02/04/23 17:04*	*50*
Dibromofluoromethane (Surr)	*78*		*60 - 132*		*02/04/23 17:04*	*50*
Toluene-d8 (Surr)	*82*		*53 - 124*		*02/04/23 17:04*	*50*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500	1300	ug/L			02/04/23 21:16	500
1,1,2,2-Tetrachloroethane	ND		2500	1500	ug/L			02/04/23 21:16	500
1,1,2-Trichloroethane	ND		2500	1200	ug/L			02/04/23 21:16	500
1,1-Dichloroethane	ND		2500	910	ug/L			02/04/23 21:16	500
1,1-Dichloroethene	ND		2500	1400	ug/L			02/04/23 21:16	500
1,2-Dichloroethane	ND		2500	730	ug/L			02/04/23 21:16	500
1,2-Dichloroethene, Total	ND		5000	2000	ug/L			02/04/23 21:16	500
1,2-Dichloropropane	ND		2500	1200	ug/L			02/04/23 21:16	500
2-Butanone (MEK)	ND	^c	2500	1400	ug/L			02/04/23 21:16	500
2-Hexanone	ND	^c	2500	2100	ug/L			02/04/23 21:16	500
4-Methyl-2-pentanone (MIBK)	ND	^c	2500	930	ug/L			02/04/23 21:16	500
Acetone	ND	^c	10000	2700	ug/L			02/04/23 21:16	500
Benzene	ND		2500	980	ug/L			02/04/23 21:16	500
Bromoform	ND		2500	1300	ug/L			02/04/23 21:16	500
Bromomethane	ND	^c	2500	2200	ug/L			02/04/23 21:16	500
Carbon disulfide	ND		2500	1500	ug/L			02/04/23 21:16	500

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL2 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		2500	1700	ug/L			02/04/23 21:16	500
Chlorobenzene	**8600**		2500	790	ug/L			02/04/23 21:16	500
Dibromochloromethane	ND		2500	1200	ug/L			02/04/23 21:16	500
Chloroform	ND		2500	1100	ug/L			02/04/23 21:16	500
Chloromethane	ND	^c	2500	1900	ug/L			02/04/23 21:16	500
Chloroethane	ND		2500	1300	ug/L			02/04/23 21:16	500
cis-1,3-Dichloropropene	ND	^c	2500	800	ug/L			02/04/23 21:16	500
Bromodichloromethane	ND		2500	1200	ug/L			02/04/23 21:16	500
Ethylbenzene	ND		2500	1100	ug/L			02/04/23 21:16	500
Methylene Chloride	ND	^c	2500	1900	ug/L			02/04/23 21:16	500
Styrene	ND		2500	670	ug/L			02/04/23 21:16	500
Tetrachloroethene	ND		2500	1000	ug/L			02/04/23 21:16	500
Toluene	**880**	**J**	2500	840	ug/L			02/04/23 21:16	500
trans-1,3-Dichloropropene	ND		2500	860	ug/L			02/04/23 21:16	500
Trichloroethene	ND		2500	750	ug/L			02/04/23 21:16	500
Xylenes, Total	ND		5000	2200	ug/L			02/04/23 21:16	500
Vinyl chloride	ND		2500	1800	ug/L			02/04/23 21:16	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*	*^c*	*52 - 151*		*02/04/23 21:16*	*500*
4-Bromofluorobenzene (Surr)	*91*		*49 - 118*		*02/04/23 21:16*	*500*
Dibromofluoromethane (Surr)	*85*		*60 - 132*		*02/04/23 21:16*	*500*
Toluene-d8 (Surr)	*82*		*53 - 124*		*02/04/23 21:16*	*500*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		41	21	ug/L		01/31/23 10:29	02/02/23 17:01	25
1,2,4-Trichlorobenzene	ND		220	28	ug/L		01/31/23 10:29	02/02/23 17:01	25
1,2-Dichlorobenzene	**1300**		220	20	ug/L		01/31/23 10:29	02/02/23 17:01	25
1,3-Dichlorobenzene	ND		220	21	ug/L		01/31/23 10:29	02/02/23 17:01	25
1,4-Dichlorobenzene	**96**	**J**	220	13	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4,5-Trichlorophenol	ND		220	54	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4,6-Trichlorophenol	ND		220	48	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4-Dichlorophenol	ND		41	11	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4-Dimethylphenol	ND		220	36	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4-Dinitrophenol	ND		2200	330	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,4-Dinitrotoluene	ND		220	76	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,6-Dinitrotoluene	ND		220	37	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Chloronaphthalene	ND		41	13	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Chlorophenol	ND		220	28	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Methylnaphthalene	ND		41	13	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Methylphenol	ND		220	65	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Nitroaniline	ND		1100	120	ug/L		01/31/23 10:29	02/02/23 17:01	25
2-Nitrophenol	ND		220	42	ug/L		01/31/23 10:29	02/02/23 17:01	25
3,3'-Dichlorobenzidine	ND		220	130	ug/L		01/31/23 10:29	02/02/23 17:01	25
3-Nitroaniline	ND		1100	94	ug/L		01/31/23 10:29	02/02/23 17:01	25
4,6-Dinitro-2-methylphenol	ND		1100	320	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Bromophenyl phenyl ether	ND		220	69	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Chloro-3-methylphenol	ND		220	60	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Chloroaniline	**6200**		220	81	ug/L		01/31/23 10:29	02/02/23 17:01	25

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		220	48	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Nitroaniline	ND		1100	78	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Nitrophenol	ND		1100	200	ug/L		01/31/23 10:29	02/02/23 17:01	25
Acenaphthene	ND		41	14	ug/L		01/31/23 10:29	02/02/23 17:01	25
Anthracene	ND		41	11	ug/L		01/31/23 10:29	02/02/23 17:01	25
Benzo[a]anthracene	ND		41	16	ug/L		01/31/23 10:29	02/02/23 17:01	25
Benzo[a]pyrene	ND		41	11	ug/L		01/31/23 10:29	02/02/23 17:01	25
Benzo[g,h,i]perylene	ND		41	15	ug/L		01/31/23 10:29	02/02/23 17:01	25
Benzo[k]fluoranthene	ND		41	19	ug/L		01/31/23 10:29	02/02/23 17:01	25
Bis(2-chloroethoxy)methane	ND		220	33	ug/L		01/31/23 10:29	02/02/23 17:01	25
Bis(2-chloroethyl)ether	ND		41	8.6	ug/L		01/31/23 10:29	02/02/23 17:01	25
Bis(2-ethylhexyl) phthalate	ND		2200	1300	ug/L		01/31/23 10:29	02/02/23 17:01	25
Butyl benzyl phthalate	ND		220	100	ug/L		01/31/23 10:29	02/02/23 17:01	25
Carbazole	ND		41	11	ug/L		01/31/23 10:29	02/02/23 17:01	25
Chrysene	ND		41	17	ug/L		01/31/23 10:29	02/02/23 17:01	25
Dibenz(a,h)anthracene	ND		41	16	ug/L		01/31/23 10:29	02/02/23 17:01	25
Dibenzofuran	ND		220	41	ug/L		01/31/23 10:29	02/02/23 17:01	25
Diethyl phthalate	ND		220	120	ug/L		01/31/23 10:29	02/02/23 17:01	25
Dimethyl phthalate	ND		220	43	ug/L		01/31/23 10:29	02/02/23 17:01	25
Di-n-butyl phthalate	ND	^c	220	160	ug/L		01/31/23 10:29	02/02/23 17:01	25
Di-n-octyl phthalate	ND		220	150	ug/L		01/31/23 10:29	02/02/23 17:01	25
Fluoranthene	ND		41	13	ug/L		01/31/23 10:29	02/02/23 17:01	25
Fluorene	ND		41	15	ug/L		01/31/23 10:29	02/02/23 17:01	25
Hexachlorocyclopentadiene	ND		220	110	ug/L		01/31/23 10:29	02/02/23 17:01	25
Hexachlorobenzene	ND		41	12	ug/L		01/31/23 10:29	02/02/23 17:01	25
Hexachlorobutadiene	ND		41	15	ug/L		01/31/23 10:29	02/02/23 17:01	25
Hexachloroethane	ND		220	29	ug/L		01/31/23 10:29	02/02/23 17:01	25
Indeno[1,2,3-cd]pyrene	ND		41	18	ug/L		01/31/23 10:29	02/02/23 17:01	25
Isophorone	ND		220	41	ug/L		01/31/23 10:29	02/02/23 17:01	25
Naphthalene	ND		41	13	ug/L		01/31/23 10:29	02/02/23 17:01	25
Nitrobenzene	**46000**	**E**	430	110	ug/L		01/31/23 10:29	02/02/23 17:01	25
N-Nitrosodi-n-propylamine	ND		41	15	ug/L		01/31/23 10:29	02/02/23 17:01	25
N-Nitrosodiphenylamine	ND		220	26	ug/L		01/31/23 10:29	02/02/23 17:01	25
Pentachlorophenol	ND		1100	180	ug/L		01/31/23 10:29	02/02/23 17:01	25
Phenanthrene	ND		41	12	ug/L		01/31/23 10:29	02/02/23 17:01	25
Phenol	ND		220	100	ug/L		01/31/23 10:29	02/02/23 17:01	25
Pyrene	ND		41	12	ug/L		01/31/23 10:29	02/02/23 17:01	25
Acenaphthylene	ND		41	14	ug/L		01/31/23 10:29	02/02/23 17:01	25
4-Methylphenol	ND		220	80	ug/L		01/31/23 10:29	02/02/23 17:01	25
2,2'-oxybis[1-chloropropane]	ND		41	13	ug/L		01/31/23 10:29	02/02/23 17:01	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1- D*	*39 - 121*	*01/31/23 10:29*	*02/02/23 17:01*	*25*
2-Fluorobiphenyl	*0*	*S1- D*	*45 - 105*	*01/31/23 10:29*	*02/02/23 17:01*	*25*
2-Fluorophenol	*0*	*S1- D*	*38 - 105*	*01/31/23 10:29*	*02/02/23 17:01*	*25*
Nitrobenzene-d5	*0*	*S1- D*	*45 - 106*	*01/31/23 10:29*	*02/02/23 17:01*	*25*
Phenol-d5	*0*	*S1- D*	*38 - 105*	*01/31/23 10:29*	*02/02/23 17:01*	*25*
Terphenyl-d14	*0*	*S1- D*	*28 - 125*	*01/31/23 10:29*	*02/02/23 17:01*	*25*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		660	330	ug/L		01/31/23 10:29	02/02/23 18:19	400
1,2,4-Trichlorobenzene	ND		3400	450	ug/L		01/31/23 10:29	02/02/23 18:19	400
1,2-Dichlorobenzene	**1000**	**J**	3400	330	ug/L		01/31/23 10:29	02/02/23 18:19	400
1,3-Dichlorobenzene	ND		3400	340	ug/L		01/31/23 10:29	02/02/23 18:19	400
1,4-Dichlorobenzene	ND		3400	210	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4,5-Trichlorophenol	ND	^c	3400	870	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4,6-Trichlorophenol	ND		3400	770	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4-Dichlorophenol	ND		660	180	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4-Dimethylphenol	ND		3400	580	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4-Dinitrophenol	ND		34000	5300	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,4-Dinitrotoluene	ND	^c	3400	1200	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,6-Dinitrotoluene	ND		3400	600	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Chloronaphthalene	ND		660	200	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Chlorophenol	ND		3400	440	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Methylnaphthalene	ND		660	210	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Methylphenol	ND		3400	1000	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Nitroaniline	ND	^c	17000	1900	ug/L		01/31/23 10:29	02/02/23 18:19	400
2-Nitrophenol	ND		3400	670	ug/L		01/31/23 10:29	02/02/23 18:19	400
3,3'-Dichlorobenzidine	ND		3400	2000	ug/L		01/31/23 10:29	02/02/23 18:19	400
3-Nitroaniline	ND		17000	1500	ug/L		01/31/23 10:29	02/02/23 18:19	400
4,6-Dinitro-2-methylphenol	ND		17000	5100	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Bromophenyl phenyl ether	ND		3400	1100	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Chloro-3-methylphenol	ND		3400	960	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Chloroaniline	**5400**		3400	1300	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Chlorophenyl phenyl ether	ND		3400	760	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Nitroaniline	ND		17000	1300	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Nitrophenol	ND	^c	17000	3200	ug/L		01/31/23 10:29	02/02/23 18:19	400
Acenaphthene	ND		660	220	ug/L		01/31/23 10:29	02/02/23 18:19	400
Anthracene	ND		660	170	ug/L		01/31/23 10:29	02/02/23 18:19	400
Benzo[a]anthracene	ND		660	260	ug/L		01/31/23 10:29	02/02/23 18:19	400
Benzo[a]pyrene	ND		660	180	ug/L		01/31/23 10:29	02/02/23 18:19	400
Benzo[g,h,i]perylene	ND		660	240	ug/L		01/31/23 10:29	02/02/23 18:19	400
Benzo[k]fluoranthene	ND		660	300	ug/L		01/31/23 10:29	02/02/23 18:19	400
Bis(2-chloroethoxy)methane	ND		3400	520	ug/L		01/31/23 10:29	02/02/23 18:19	400
Bis(2-chloroethyl)ether	ND		660	140	ug/L		01/31/23 10:29	02/02/23 18:19	400
Bis(2-ethylhexyl) phthalate	ND		34000	21000	ug/L		01/31/23 10:29	02/02/23 18:19	400
Butyl benzyl phthalate	ND		3400	1600	ug/L		01/31/23 10:29	02/02/23 18:19	400
Carbazole	ND		660	180	ug/L		01/31/23 10:29	02/02/23 18:19	400
Chrysene	ND		660	280	ug/L		01/31/23 10:29	02/02/23 18:19	400
Dibenz(a,h)anthracene	ND		660	250	ug/L		01/31/23 10:29	02/02/23 18:19	400
Dibenzofuran	ND		3400	660	ug/L		01/31/23 10:29	02/02/23 18:19	400
Diethyl phthalate	ND		3400	2000	ug/L		01/31/23 10:29	02/02/23 18:19	400
Dimethyl phthalate	ND		3400	690	ug/L		01/31/23 10:29	02/02/23 18:19	400
Di-n-butyl phthalate	ND		3400	2600	ug/L		01/31/23 10:29	02/02/23 18:19	400
Di-n-octyl phthalate	ND	^c	3400	2400	ug/L		01/31/23 10:29	02/02/23 18:19	400
Fluoranthene	ND		660	210	ug/L		01/31/23 10:29	02/02/23 18:19	400
Fluorene	ND		660	240	ug/L		01/31/23 10:29	02/02/23 18:19	400
Hexachlorocyclopentadiene	ND	^c	3400	1700	ug/L		01/31/23 10:29	02/02/23 18:19	400
Hexachlorobenzene	ND		660	190	ug/L		01/31/23 10:29	02/02/23 18:19	400

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-151115-1

Client Sample ID: ALCINF012523
Date Collected: 01/25/23 12:05
Date Received: 01/26/23 10:30

Lab Sample ID: 180-151115-5
Matrix: Water

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		660	240	ug/L		01/31/23 10:29	02/02/23 18:19	400
Hexachloroethane	ND		3400	460	ug/L		01/31/23 10:29	02/02/23 18:19	400
Indeno[1,2,3-cd]pyrene	ND		660	290	ug/L		01/31/23 10:29	02/02/23 18:19	400
Isophorone	ND		3400	650	ug/L		01/31/23 10:29	02/02/23 18:19	400
Naphthalene	ND		660	200	ug/L		01/31/23 10:29	02/02/23 18:19	400
Nitrobenzene	**68000**		6900	1700	ug/L		01/31/23 10:29	02/02/23 18:19	400
N-Nitrosodi-n-propylamine	ND		660	240	ug/L		01/31/23 10:29	02/02/23 18:19	400
N-Nitrosodiphenylamine	ND		3400	410	ug/L		01/31/23 10:29	02/02/23 18:19	400
Pentachlorophenol	ND	^c	17000	2900	ug/L		01/31/23 10:29	02/02/23 18:19	400
Phenanthrene	ND		660	190	ug/L		01/31/23 10:29	02/02/23 18:19	400
Phenol	ND		3400	1700	ug/L		01/31/23 10:29	02/02/23 18:19	400
Pyrene	ND		660	190	ug/L		01/31/23 10:29	02/02/23 18:19	400
Acenaphthylene	ND		660	220	ug/L		01/31/23 10:29	02/02/23 18:19	400
4-Methylphenol	ND		3400	1300	ug/L		01/31/23 10:29	02/02/23 18:19	400
2,2'-oxybis[1-chloropropane]	ND		660	200	ug/L		01/31/23 10:29	02/02/23 18:19	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*D ^c S1-*	*39 - 121*	*01/31/23 10:29*	*02/02/23 18:19*	*400*
2-Fluorobiphenyl	*0*	*D S1-*	*45 - 105*	*01/31/23 10:29*	*02/02/23 18:19*	*400*
2-Fluorophenol	*0*	*D S1-*	*38 - 105*	*01/31/23 10:29*	*02/02/23 18:19*	*400*
Nitrobenzene-d5	*0*	*D S1-*	*45 - 106*	*01/31/23 10:29*	*02/02/23 18:19*	*400*
Phenol-d5	*0*	*D S1-*	*38 - 105*	*01/31/23 10:29*	*02/02/23 18:19*	*400*
Terphenyl-d14	*0*	*D S1-*	*28 - 125*	*01/31/23 10:29*	*02/02/23 18:19*	*400*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-424468/9
Matrix: Water
Analysis Batch: 424468

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		5.0	2.5	ug/L			01/27/23 13:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			01/27/23 13:02	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			01/27/23 13:02	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			01/27/23 13:02	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			01/27/23 13:02	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			01/27/23 13:02	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			01/27/23 13:02	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/27/23 13:02	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			01/27/23 13:02	1
2-Hexanone	ND		5.0	4.2	ug/L			01/27/23 13:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			01/27/23 13:02	1
Acetone	ND		20	5.5	ug/L			01/27/23 13:02	1
Benzene	ND		5.0	2.0	ug/L			01/27/23 13:02	1
Bromoform	ND		5.0	2.6	ug/L			01/27/23 13:02	1
Bromomethane	ND		5.0	4.5	ug/L			01/27/23 13:02	1
Carbon disulfide	ND		5.0	3.0	ug/L			01/27/23 13:02	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			01/27/23 13:02	1
Chlorobenzene	ND		5.0	1.6	ug/L			01/27/23 13:02	1
Dibromochloromethane	ND		5.0	2.4	ug/L			01/27/23 13:02	1
Chloroform	ND		5.0	2.1	ug/L			01/27/23 13:02	1
Chloromethane	ND		5.0	3.9	ug/L			01/27/23 13:02	1
Chloroethane	ND		5.0	2.6	ug/L			01/27/23 13:02	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			01/27/23 13:02	1
Bromodichloromethane	ND		5.0	2.4	ug/L			01/27/23 13:02	1
Ethylbenzene	ND		5.0	2.2	ug/L			01/27/23 13:02	1
Methylene Chloride	ND		5.0	3.9	ug/L			01/27/23 13:02	1
Styrene	ND		5.0	1.3	ug/L			01/27/23 13:02	1
Tetrachloroethene	ND		5.0	2.0	ug/L			01/27/23 13:02	1
Toluene	ND		5.0	1.7	ug/L			01/27/23 13:02	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			01/27/23 13:02	1
Trichloroethene	ND		5.0	1.5	ug/L			01/27/23 13:02	1
Xylenes, Total	ND		10	4.3	ug/L			01/27/23 13:02	1
Vinyl chloride	ND		5.0	3.7	ug/L			01/27/23 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*01/27/23 13:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*		*01/27/23 13:02*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 132*		*01/27/23 13:02*	*1*
Toluene-d8 (Surr)	*103*		*53 - 124*		*01/27/23 13:02*	*1*

Lab Sample ID: LCS 180-424468/3
Matrix: Water
Analysis Batch: 424468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	8.16		ug/L		82	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.66		ug/L		97	47 - 147
1,1,2-Trichloroethane	10.0	9.50		ug/L		95	59 - 137

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

Lab Sample ID: LCS 180-424468/3
Matrix: Water
Analysis Batch: 424468

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethane			10.0	8.94		ug/L		89	59 - 125		
1,1-Dichloroethene			10.0	8.33		ug/L		83	49 - 132		
1,2-Dichloroethane			10.0	7.56		ug/L		76	57 - 149		
1,2-Dichloroethene, Total			20.0	17.5		ug/L		88	64 - 123		
1,2-Dichloropropane			10.0	8.93		ug/L		89	65 - 129		
2-Butanone (MEK)			10.0	7.04		ug/L		70	35 - 158		
2-Hexanone			10.0	8.77		ug/L		88	38 - 157		
4-Methyl-2-pentanone (MIBK)			10.0	7.46		ug/L		75	29 - 167		
Acetone			10.0	6.06	J	ug/L		61	29 - 163		
Benzene			10.0	9.07		ug/L		91	68 - 122		
Bromoform			10.0	8.49		ug/L		85	31 - 164		
Bromomethane			10.0	7.39		ug/L		74	20 - 170		
Carbon disulfide			10.0	7.46		ug/L		75	32 - 139		
Carbon tetrachloride			10.0	8.47		ug/L		85	60 - 135		
Chlorobenzene			10.0	9.56		ug/L		96	72 - 123		
Dibromochloromethane			10.0	8.33		ug/L		83	51 - 144		
Chloroform			10.0	8.37		ug/L		84	62 - 121		
Chloromethane			10.0	4.89	J	ug/L		49	37 - 170		
Chloroethane			10.0	8.94		ug/L		89	10 - 170		
cis-1,3-Dichloropropene			10.0	7.44		ug/L		74	53 - 140		
Bromodichloromethane			10.0	8.13		ug/L		81	63 - 132		
Ethylbenzene			10.0	9.58		ug/L		96	66 - 122		
Methylene Chloride			10.0	7.80		ug/L		78	51 - 137		
Styrene			10.0	9.47		ug/L		95	68 - 127		
Tetrachloroethene			10.0	10.0		ug/L		100	60 - 129		
Toluene			10.0	9.90		ug/L		99	67 - 128		
trans-1,3-Dichloropropene			10.0	8.25		ug/L		83	57 - 137		
Trichloroethene			10.0	8.27		ug/L		83	67 - 121		
Xylenes, Total			20.0	19.4		ug/L		97	64 - 123		
Vinyl chloride			10.0	8.21		ug/L		82	47 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*73*		*52 - 151*
4-Bromofluorobenzene (Surr)	*91*		*49 - 118*
Dibromofluoromethane (Surr)	*78*		*60 - 132*
Toluene-d8 (Surr)	*90*		*53 - 124*

Lab Sample ID: LCSD 180-424468/4
Matrix: Water
Analysis Batch: 424468

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			10.0	8.97		ug/L		90	64 - 133	9	22
1,1,2,2-Tetrachloroethane			10.0	10.5		ug/L		105	47 - 147	8	35
1,1,2-Trichloroethane			10.0	10.4		ug/L		104	59 - 137	9	29
1,1-Dichloroethane			10.0	9.64		ug/L		96	59 - 125	8	20
1,1-Dichloroethene			10.0	9.11		ug/L		91	49 - 132	9	23
1,2-Dichloroethane			10.0	8.36		ug/L		84	57 - 149	10	27

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

Lab Sample ID: LCSD 180-424468/4
Matrix: Water
Analysis Batch: 424468

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethene, Total	20.0	19.2		ug/L		96	64 - 123	9	22
1,2-Dichloropropane	10.0	9.99		ug/L		100	65 - 129	11	23
2-Butanone (MEK)	10.0	7.79		ug/L		78	35 - 158	10	35
2-Hexanone	10.0	9.76		ug/L		98	38 - 157	11	35
4-Methyl-2-pentanone (MIBK)	10.0	8.24		ug/L		82	29 - 167	10	35
Acetone	10.0	7.07	J	ug/L		71	29 - 163	15	35
Benzene	10.0	9.92		ug/L		99	68 - 122	9	21
Bromoform	10.0	9.31		ug/L		93	31 - 164	9	35
Bromomethane	10.0	6.88		ug/L		69	20 - 170	7	30
Carbon disulfide	10.0	8.01		ug/L		80	32 - 139	7	25
Carbon tetrachloride	10.0	8.97		ug/L		90	60 - 135	6	25
Chlorobenzene	10.0	10.4		ug/L		104	72 - 123	8	19
Dibromochloromethane	10.0	9.19		ug/L		92	51 - 144	10	25
Chloroform	10.0	9.26		ug/L		93	62 - 121	10	22
Chloromethane	10.0	4.91	J	ug/L		49	37 - 170	0	28
Chloroethane	10.0	8.97		ug/L		90	10 - 170	0	29
cis-1,3-Dichloropropene	10.0	8.22		ug/L		82	53 - 140	10	26
Bromodichloromethane	10.0	8.97		ug/L		90	63 - 132	10	24
Ethylbenzene	10.0	10.3		ug/L		103	66 - 122	7	22
Methylene Chloride	10.0	8.67		ug/L		87	51 - 137	11	35
Styrene	10.0	10.1		ug/L		101	68 - 127	7	22
Tetrachloroethene	10.0	10.2		ug/L		102	60 - 129	2	22
Toluene	10.0	10.6		ug/L		106	67 - 128	6	22
trans-1,3-Dichloropropene	10.0	8.96		ug/L		90	57 - 137	8	25
Trichloroethene	10.0	8.99		ug/L		90	67 - 121	8	23
Xylenes, Total	20.0	20.5		ug/L		103	64 - 123	6	21
Vinyl chloride	10.0	8.39		ug/L		84	47 - 147	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*76*		*52 - 151*
4-Bromofluorobenzene (Surr)	*94*		*49 - 118*
Dibromofluoromethane (Surr)	*84*		*60 - 132*
Toluene-d8 (Surr)	*96*		*53 - 124*

Lab Sample ID: MB 180-425288/8
Matrix: Water
Analysis Batch: 425288

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		5.0	2.5	ug/L			02/04/23 12:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			02/04/23 12:51	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			02/04/23 12:51	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			02/04/23 12:51	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			02/04/23 12:51	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			02/04/23 12:51	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			02/04/23 12:51	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			02/04/23 12:51	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			02/04/23 12:51	1

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

Lab Sample ID: MB 180-425288/8
Matrix: Water
Analysis Batch: 425288

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	4.2	ug/L			02/04/23 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			02/04/23 12:51	1
Acetone	ND		20	5.5	ug/L			02/04/23 12:51	1
Benzene	ND		5.0	2.0	ug/L			02/04/23 12:51	1
Bromoform	ND		5.0	2.6	ug/L			02/04/23 12:51	1
Bromomethane	ND		5.0	4.5	ug/L			02/04/23 12:51	1
Carbon disulfide	ND		5.0	3.0	ug/L			02/04/23 12:51	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			02/04/23 12:51	1
Chlorobenzene	ND		5.0	1.6	ug/L			02/04/23 12:51	1
Dibromochloromethane	ND		5.0	2.4	ug/L			02/04/23 12:51	1
Chloroform	ND		5.0	2.1	ug/L			02/04/23 12:51	1
Chloromethane	ND		5.0	3.9	ug/L			02/04/23 12:51	1
Chloroethane	ND		5.0	2.6	ug/L			02/04/23 12:51	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			02/04/23 12:51	1
Bromodichloromethane	ND		5.0	2.4	ug/L			02/04/23 12:51	1
Ethylbenzene	ND		5.0	2.2	ug/L			02/04/23 12:51	1
Methylene Chloride	ND		5.0	3.9	ug/L			02/04/23 12:51	1
Styrene	ND		5.0	1.3	ug/L			02/04/23 12:51	1
Tetrachloroethene	ND		5.0	2.0	ug/L			02/04/23 12:51	1
Toluene	ND		5.0	1.7	ug/L			02/04/23 12:51	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			02/04/23 12:51	1
Trichloroethene	ND		5.0	1.5	ug/L			02/04/23 12:51	1
Xylenes, Total	ND		10	4.3	ug/L			02/04/23 12:51	1
Vinyl chloride	ND		5.0	3.7	ug/L			02/04/23 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*72*		*52 - 151*		*02/04/23 12:51*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 118*		*02/04/23 12:51*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 132*		*02/04/23 12:51*	*1*
Toluene-d8 (Surr)	*90*		*53 - 124*		*02/04/23 12:51*	*1*

Lab Sample ID: LCS 180-425288/6
Matrix: Water
Analysis Batch: 425288

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	9.60		ug/L		96	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.20		ug/L		92	47 - 147
1,1,2-Trichloroethane	10.0	9.83		ug/L		98	59 - 137
1,1-Dichloroethane	10.0	9.41		ug/L		94	59 - 125
1,1-Dichloroethene	10.0	9.12		ug/L		91	49 - 132
1,2-Dichloroethane	10.0	8.70		ug/L		87	57 - 149
1,2-Dichloroethene, Total	20.0	18.5		ug/L		92	64 - 123
1,2-Dichloropropane	10.0	9.24		ug/L		92	65 - 129
2-Butanone (MEK)	10.0	5.78		ug/L		58	35 - 158
2-Hexanone	10.0	8.34		ug/L		83	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	7.98		ug/L		80	29 - 167
Acetone	10.0	ND		ug/L		44	29 - 163

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

Lab Sample ID: LCS 180-425288/6
Matrix: Water
Analysis Batch: 425288

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.47		ug/L		95	68 - 122
Bromoform	10.0	9.33		ug/L		93	31 - 164
Bromomethane	10.0	7.59		ug/L		76	20 - 170
Carbon disulfide	10.0	8.59		ug/L		86	32 - 139
Carbon tetrachloride	10.0	9.71		ug/L		97	60 - 135
Chlorobenzene	10.0	9.94		ug/L		99	72 - 123
Dibromochloromethane	10.0	9.16		ug/L		92	51 - 144
Chloroform	10.0	9.29		ug/L		93	62 - 121
Chloromethane	10.0	5.88		ug/L		59	37 - 170
Chloroethane	10.0	9.83		ug/L		98	10 - 170
cis-1,3-Dichloropropene	10.0	7.98		ug/L		80	53 - 140
Bromodichloromethane	10.0	8.89		ug/L		89	63 - 132
Ethylbenzene	10.0	10.2		ug/L		102	66 - 122
Methylene Chloride	10.0	8.14		ug/L		81	51 - 137
Styrene	10.0	9.70		ug/L		97	68 - 127
Tetrachloroethene	10.0	11.0		ug/L		110	60 - 129
Toluene	10.0	10.4		ug/L		104	67 - 128
trans-1,3-Dichloropropene	10.0	8.98		ug/L		90	57 - 137
Trichloroethene	10.0	8.79		ug/L		88	67 - 121
Xylenes, Total	20.0	20.3		ug/L		102	64 - 123
Vinyl chloride	10.0	9.06		ug/L		91	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*78*		*52 - 151*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*
Dibromofluoromethane (Surr)	*86*		*60 - 132*
Toluene-d8 (Surr)	*99*		*53 - 124*

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

Lab Sample ID: MB 180-424770/1-A
Matrix: Water
Analysis Batch: 425065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 424770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		1.9	0.97	ug/L		01/31/23 10:29	02/02/23 14:30	1
1,2,4-Trichlorobenzene	ND		10	1.3	ug/L		01/31/23 10:29	02/02/23 14:30	1
1,2-Dichlorobenzene	ND		10	0.95	ug/L		01/31/23 10:29	02/02/23 14:30	1
1,3-Dichlorobenzene	ND		10	0.99	ug/L		01/31/23 10:29	02/02/23 14:30	1
1,4-Dichlorobenzene	ND		10	0.61	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4,5-Trichlorophenol	ND		10	2.5	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4,6-Trichlorophenol	ND		10	2.2	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4-Dichlorophenol	ND		1.9	0.51	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4-Dimethylphenol	ND		10	1.7	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4-Dinitrophenol	ND		100	15	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,4-Dinitrotoluene	ND		10	3.5	ug/L		01/31/23 10:29	02/02/23 14:30	1
2,6-Dinitrotoluene	ND		10	1.7	ug/L		01/31/23 10:29	02/02/23 14:30	1
2-Chloronaphthalene	ND		1.9	0.59	ug/L		01/31/23 10:29	02/02/23 14:30	1
2-Chlorophenol	ND		10	1.3	ug/L		01/31/23 10:29	02/02/23 14:30	1

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

Lab Sample ID: MB 180-424770/1-A
Matrix: Water
Analysis Batch: 425065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 424770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.9	0.62	ug/L		01/31/23 10:29	02/02/23 14:30	1
2-Methylphenol	ND		10	3.0	ug/L		01/31/23 10:29	02/02/23 14:30	1
2-Nitroaniline	ND		50	5.5	ug/L		01/31/23 10:29	02/02/23 14:30	1
2-Nitrophenol	ND		10	1.9	ug/L		01/31/23 10:29	02/02/23 14:30	1
3,3'-Dichlorobenzidine	ND		10	5.8	ug/L		01/31/23 10:29	02/02/23 14:30	1
3-Nitroaniline	ND		50	4.4	ug/L		01/31/23 10:29	02/02/23 14:30	1
4,6-Dinitro-2-methylphenol	ND		50	15	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Bromophenyl phenyl ether	ND		10	3.2	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Chloro-3-methylphenol	ND		10	2.8	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Chloroaniline	ND		10	3.8	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Chlorophenyl phenyl ether	ND		10	2.2	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Nitroaniline	ND		50	3.6	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Nitrophenol	ND		50	9.4	ug/L		01/31/23 10:29	02/02/23 14:30	1
Acenaphthene	ND		1.9	0.65	ug/L		01/31/23 10:29	02/02/23 14:30	1
Anthracene	ND		1.9	0.49	ug/L		01/31/23 10:29	02/02/23 14:30	1
Benzo[a]anthracene	ND		1.9	0.75	ug/L		01/31/23 10:29	02/02/23 14:30	1
Benzo[a]pyrene	ND		1.9	0.53	ug/L		01/31/23 10:29	02/02/23 14:30	1
Benzo[g,h,i]perylene	ND		1.9	0.69	ug/L		01/31/23 10:29	02/02/23 14:30	1
Benzo[k]fluoranthene	ND		1.9	0.88	ug/L		01/31/23 10:29	02/02/23 14:30	1
Bis(2-chloroethoxy)methane	ND		10	1.5	ug/L		01/31/23 10:29	02/02/23 14:30	1
Bis(2-chloroethyl)ether	ND		1.9	0.40	ug/L		01/31/23 10:29	02/02/23 14:30	1
Bis(2-ethylhexyl) phthalate	ND		100	62	ug/L		01/31/23 10:29	02/02/23 14:30	1
Butyl benzyl phthalate	ND		10	4.6	ug/L		01/31/23 10:29	02/02/23 14:30	1
Carbazole	ND		1.9	0.51	ug/L		01/31/23 10:29	02/02/23 14:30	1
Chrysene	ND		1.9	0.81	ug/L		01/31/23 10:29	02/02/23 14:30	1
Dibenz(a,h)anthracene	ND		1.9	0.72	ug/L		01/31/23 10:29	02/02/23 14:30	1
Dibenzofuran	ND		10	1.9	ug/L		01/31/23 10:29	02/02/23 14:30	1
Diethyl phthalate	ND		10	5.7	ug/L		01/31/23 10:29	02/02/23 14:30	1
Dimethyl phthalate	ND		10	2.0	ug/L		01/31/23 10:29	02/02/23 14:30	1
Di-n-butyl phthalate	ND		10	7.4	ug/L		01/31/23 10:29	02/02/23 14:30	1
Di-n-octyl phthalate	ND		10	6.9	ug/L		01/31/23 10:29	02/02/23 14:30	1
Fluoranthene	ND		1.9	0.60	ug/L		01/31/23 10:29	02/02/23 14:30	1
Fluorene	ND		1.9	0.69	ug/L		01/31/23 10:29	02/02/23 14:30	1
Hexachlorocyclopentadiene	ND		10	5.0	ug/L		01/31/23 10:29	02/02/23 14:30	1
Hexachlorobenzene	ND		1.9	0.56	ug/L		01/31/23 10:29	02/02/23 14:30	1
Hexachlorobutadiene	ND		1.9	0.69	ug/L		01/31/23 10:29	02/02/23 14:30	1
Hexachloroethane	ND		10	1.3	ug/L		01/31/23 10:29	02/02/23 14:30	1
Indeno[1,2,3-cd]pyrene	ND		1.9	0.85	ug/L		01/31/23 10:29	02/02/23 14:30	1
Isophorone	ND		10	1.9	ug/L		01/31/23 10:29	02/02/23 14:30	1
Naphthalene	ND		1.9	0.59	ug/L		01/31/23 10:29	02/02/23 14:30	1
Nitrobenzene	ND		20	5.0	ug/L		01/31/23 10:29	02/02/23 14:30	1
N-Nitrosodi-n-propylamine	ND		1.9	0.71	ug/L		01/31/23 10:29	02/02/23 14:30	1
N-Nitrosodiphenylamine	ND		10	1.2	ug/L		01/31/23 10:29	02/02/23 14:30	1
Pentachlorophenol	ND		50	8.5	ug/L		01/31/23 10:29	02/02/23 14:30	1
Phenanthrene	ND		1.9	0.55	ug/L		01/31/23 10:29	02/02/23 14:30	1
Phenol	ND		10	4.9	ug/L		01/31/23 10:29	02/02/23 14:30	1
Pyrene	ND		1.9	0.54	ug/L		01/31/23 10:29	02/02/23 14:30	1
Acenaphthylene	ND		1.9	0.65	ug/L		01/31/23 10:29	02/02/23 14:30	1
4-Methylphenol	ND		10	3.7	ug/L		01/31/23 10:29	02/02/23 14:30	1

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

Lab Sample ID: MB 180-424770/1-A
Matrix: Water
Analysis Batch: 425065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 424770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		1.9	0.58	ug/L		01/31/23 10:29	02/02/23 14:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*39 - 121*	*01/31/23 10:29*	*02/02/23 14:30*	*1*
2-Fluorobiphenyl	*63*		*45 - 105*	*01/31/23 10:29*	*02/02/23 14:30*	*1*
2-Fluorophenol	*63*		*38 - 105*	*01/31/23 10:29*	*02/02/23 14:30*	*1*
Nitrobenzene-d5	*74*		*45 - 106*	*01/31/23 10:29*	*02/02/23 14:30*	*1*
Phenol-d5	*69*		*38 - 105*	*01/31/23 10:29*	*02/02/23 14:30*	*1*
Terphenyl-d14	*63*		*28 - 125*	*01/31/23 10:29*	*02/02/23 14:30*	*1*

Lab Sample ID: LCS 180-424770/2-A
Matrix: Water
Analysis Batch: 425065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 424770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	200	140		ug/L		70	47 - 100
1,2,4-Trichlorobenzene	200	128		ug/L		64	51 - 100
1,2-Dichlorobenzene	200	137		ug/L		69	51 - 100
1,3-Dichlorobenzene	200	132		ug/L		66	51 - 100
1,4-Dichlorobenzene	200	134		ug/L		67	51 - 100
2,4,5-Trichlorophenol	200	138		ug/L		69	54 - 100
2,4,6-Trichlorophenol	200	144		ug/L		72	54 - 100
2,4-Dichlorophenol	200	137		ug/L		68	54 - 100
2,4-Dimethylphenol	200	133		ug/L		67	52 - 100
2,4-Dinitrophenol	400	328		ug/L		82	32 - 100
2,4-Dinitrotoluene	200	140		ug/L		70	56 - 101
2,6-Dinitrotoluene	200	140		ug/L		70	54 - 103
2-Chloronaphthalene	200	131		ug/L		66	51 - 100
2-Chlorophenol	200	137		ug/L		69	52 - 100
2-Methylnaphthalene	200	129		ug/L		64	53 - 100
2-Methylphenol	200	144		ug/L		72	50 - 100
2-Nitroaniline	200	158		ug/L		79	50 - 102
2-Nitrophenol	200	150		ug/L		75	54 - 100
3,3'-Dichlorobenzidine	200	155		ug/L		78	41 - 100
3-Nitroaniline	200	150		ug/L		75	53 - 100
4,6-Dinitro-2-methylphenol	400	332		ug/L		83	49 - 100
4-Bromophenyl phenyl ether	200	144		ug/L		72	50 - 100
4-Chloro-3-methylphenol	200	144		ug/L		72	46 - 107
4-Chloroaniline	200	137		ug/L		68	48 - 100
4-Chlorophenyl phenyl ether	200	131		ug/L		66	52 - 100
4-Nitroaniline	200	147		ug/L		74	54 - 100
4-Nitrophenol	400	316		ug/L		79	39 - 117
Acenaphthene	200	135		ug/L		68	51 - 100
Anthracene	200	153		ug/L		77	53 - 100
Benzo[a]anthracene	200	145		ug/L		72	49 - 100
Benzo[a]pyrene	200	146		ug/L		73	48 - 100
Benzo[g,h,i]perylene	200	134		ug/L		67	49 - 100
Benzo[k]fluoranthene	200	124		ug/L		62	46 - 100

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

Lab Sample ID: LCS 180-424770/2-A
Matrix: Water
Analysis Batch: 425065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 424770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	200	115		ug/L		57	49 - 100
Bis(2-chloroethyl)ether	200	138		ug/L		69	46 - 100
Bis(2-ethylhexyl) phthalate	200	167		ug/L		84	51 - 101
Butyl benzyl phthalate	200	168		ug/L		84	51 - 101
Carbazole	200	154		ug/L		77	54 - 100
Chrysene	200	140		ug/L		70	49 - 100
Dibenz(a,h)anthracene	200	136		ug/L		68	50 - 102
Dibenzofuran	200	125		ug/L		63	53 - 100
Diethyl phthalate	200	140		ug/L		70	53 - 100
Dimethyl phthalate	200	131		ug/L		65	54 - 100
Di-n-butyl phthalate	200	174		ug/L		87	56 - 100
Di-n-octyl phthalate	200	165		ug/L		82	39 - 100
Fluoranthene	200	153		ug/L		77	55 - 100
Fluorene	200	128		ug/L		64	53 - 100
Hexachlorocyclopentadiene	200	131		ug/L		66	41 - 100
Hexachlorobenzene	200	145		ug/L		72	46 - 100
Hexachlorobutadiene	200	118		ug/L		59	42 - 100
Hexachloroethane	200	141		ug/L		70	49 - 100
Indeno[1,2,3-cd]pyrene	200	132		ug/L		66	50 - 100
Isophorone	200	143		ug/L		71	50 - 100
Naphthalene	200	131		ug/L		66	53 - 100
Nitrobenzene	200	142		ug/L		71	50 - 100
N-Nitrosodi-n-propylamine	200	150		ug/L		75	46 - 100
N-Nitrosodiphenylamine	200	158		ug/L		79	50 - 100
Pentachlorophenol	400	273		ug/L		68	37 - 100
Phenanthrene	200	143		ug/L		72	52 - 100
Phenol	200	141		ug/L		71	47 - 100
Pyrene	200	143		ug/L		72	50 - 100
Acenaphthylene	200	134		ug/L		67	53 - 100
4-Methylphenol	200	156		ug/L		78	51 - 100
2,2'-oxybis[1-chloropropane]	200	142		ug/L		71	24 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*73*		*39 - 121*
2-Fluorobiphenyl	*61*		*45 - 105*
2-Fluorophenol	*72*		*38 - 105*
Nitrobenzene-d5	*72*		*45 - 106*
Phenol-d5	*71*		*38 - 105*
Terphenyl-d14	*70*		*28 - 125*

Lab Sample ID: 180-151115-1 MS
Matrix: Water
Analysis Batch: 425065

Client Sample ID: ALNGAC38012523
Prep Type: Total/NA
Prep Batch: 424770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	ND		200	147		ug/L		74	47 - 100
1,2,4-Trichlorobenzene	ND		200	115		ug/L		57	51 - 100
1,2-Dichlorobenzene	ND		200	107		ug/L		54	51 - 100

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

Lab Sample ID: 180-151115-1 MS
Matrix: Water
Analysis Batch: 425065

Client Sample ID: ALNGAC38012523
Prep Type: Total/NA
Prep Batch: 424770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	ND	FL	200	100	FL	ug/L		50	51 - 100
1,4-Dichlorobenzene	ND	FL	200	101	FL	ug/L		50	51 - 100
2,4,5-Trichlorophenol	ND		200	136		ug/L		68	54 - 100
2,4,6-Trichlorophenol	ND		200	142		ug/L		71	54 - 100
2,4-Dichlorophenol	ND		200	133		ug/L		66	54 - 100
2,4-Dimethylphenol	ND		200	115		ug/L		58	52 - 100
2,4-Dinitrophenol	ND		400	332		ug/L		83	32 - 100
2,4-Dinitrotoluene	ND		200	145		ug/L		72	56 - 101
2,6-Dinitrotoluene	ND		200	146		ug/L		73	54 - 103
2-Chloronaphthalene	ND		200	130		ug/L		65	51 - 100
2-Chlorophenol	ND		200	132		ug/L		66	52 - 100
2-Methylnaphthalene	ND		200	126		ug/L		63	53 - 100
2-Methylphenol	ND		200	141		ug/L		70	50 - 100
2-Nitroaniline	ND		200	161		ug/L		81	50 - 102
2-Nitrophenol	ND		200	141		ug/L		70	54 - 100
3,3'-Dichlorobenzidine	ND		200	156		ug/L		78	41 - 100
3-Nitroaniline	ND		200	150		ug/L		75	53 - 100
4,6-Dinitro-2-methylphenol	ND		400	351		ug/L		88	49 - 100
4-Bromophenyl phenyl ether	ND		200	150		ug/L		75	50 - 100
4-Chloro-3-methylphenol	ND		200	140		ug/L		70	46 - 107
4-Chloroaniline	ND		200	131		ug/L		66	48 - 100
4-Chlorophenyl phenyl ether	ND		200	130		ug/L		65	52 - 100
4-Nitroaniline	ND		200	147		ug/L		74	54 - 100
4-Nitrophenol	ND		400	319		ug/L		80	39 - 117
Acenaphthene	ND		200	136		ug/L		68	51 - 100
Anthracene	ND		200	162		ug/L		81	53 - 100
Benzo[a]anthracene	ND		200	151		ug/L		76	49 - 100
Benzo[a]pyrene	ND		200	149		ug/L		75	48 - 100
Benzo[g,h,i]perylene	ND		200	140		ug/L		70	49 - 100
Benzo[k]fluoranthene	ND		200	128		ug/L		64	46 - 100
Bis(2-chloroethoxy)methane	ND		200	112		ug/L		56	49 - 100
Bis(2-chloroethyl)ether	ND		200	128		ug/L		64	46 - 100
Bis(2-ethylhexyl) phthalate	ND		200	178		ug/L		89	51 - 101
Butyl benzyl phthalate	ND		200	175		ug/L		87	51 - 101
Carbazole	ND		200	159		ug/L		79	54 - 100
Chrysene	ND		200	147		ug/L		74	49 - 100
Dibenz(a,h)anthracene	ND		200	143		ug/L		72	50 - 102
Dibenzofuran	ND		200	127		ug/L		63	53 - 100
Diethyl phthalate	ND		200	146		ug/L		73	53 - 100
Dimethyl phthalate	ND		200	134		ug/L		67	54 - 100
Di-n-butyl phthalate	13	^c	200	194		ug/L		90	56 - 100
Di-n-octyl phthalate	ND		200	171		ug/L		86	39 - 100
Fluoranthene	ND		200	158		ug/L		79	55 - 100
Fluorene	ND		200	131		ug/L		65	53 - 100
Hexachlorocyclopentadiene	ND	FL	200	49.0	FL	ug/L		24	41 - 100
Hexachlorobenzene	ND		200	147		ug/L		74	46 - 100
Hexachlorobutadiene	ND		200	106		ug/L		53	42 - 100
Hexachloroethane	ND		200	107		ug/L		54	49 - 100
Indeno[1,2,3-cd]pyrene	ND		200	138		ug/L		69	50 - 100

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

Lab Sample ID: 180-151115-1 MS
Matrix: Water
Analysis Batch: 425065

Client Sample ID: ALNGAC38012523
Prep Type: Total/NA
Prep Batch: 424770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Isophorone	ND		200	144		ug/L		72	50 - 100
Naphthalene	ND		200	126		ug/L		63	53 - 100
Nitrobenzene	ND		200	134		ug/L		67	50 - 100
N-Nitrosodi-n-propylamine	ND		200	151		ug/L		76	46 - 100
N-Nitrosodiphenylamine	ND		200	161		ug/L		81	50 - 100
Pentachlorophenol	ND		400	291		ug/L		73	37 - 100
Phenanthrene	ND		200	151		ug/L		76	52 - 100
Phenol	ND		200	128		ug/L		64	47 - 100
Pyrene	ND		200	156		ug/L		78	50 - 100
Acenaphthylene	ND		200	134		ug/L		67	53 - 100
4-Methylphenol	ND		200	151		ug/L		75	51 - 100
2,2'-oxybis[1-chloropropane]	ND		200	136		ug/L		68	24 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*99*		*39 - 121*
2-Fluorobiphenyl	*78*		*45 - 105*
2-Fluorophenol	*84*		*38 - 105*
Nitrobenzene-d5	*90*		*45 - 106*
Phenol-d5	*94*		*38 - 105*
Terphenyl-d14	*91*		*28 - 125*

GC/MS VOA

Analysis Batch: 424468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151115-1	ALNGAC38012523	Total/NA	Water	EPA 8260D	
180-151115-2	ALNGAC37012523	Total/NA	Water	EPA 8260D	
180-151115-3	ALCGAC36012523	Total/NA	Water	EPA 8260D	
180-151115-4	ALNINF012523	Total/NA	Water	EPA 8260D	
180-151115-5	ALCINF012523	Total/NA	Water	EPA 8260D	
MB 180-424468/9	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-424468/3	Lab Control Sample	Total/NA	Water	EPA 8260D	
LCSD 180-424468/4	Lab Control Sample Dup	Total/NA	Water	EPA 8260D	

Analysis Batch: 425288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151115-3 - DL	ALCGAC36012523	Total/NA	Water	EPA 8260D	
180-151115-4 - DL	ALNINF012523	Total/NA	Water	EPA 8260D	
180-151115-5 - DL	ALCINF012523	Total/NA	Water	EPA 8260D	
180-151115-5 - DL2	ALCINF012523	Total/NA	Water	EPA 8260D	
MB 180-425288/8	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-425288/6	Lab Control Sample	Total/NA	Water	EPA 8260D	

GC/MS Semi VOA

Prep Batch: 424770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151115-1	ALNGAC38012523	Total/NA	Water	3520C	
180-151115-2	ALNGAC37012523	Total/NA	Water	3520C	
180-151115-3	ALCGAC36012523	Total/NA	Water	3520C	
180-151115-4	ALNINF012523	Total/NA	Water	3520C	
180-151115-4 - DL	ALNINF012523	Total/NA	Water	3520C	
180-151115-5	ALCINF012523	Total/NA	Water	3520C	
180-151115-5 - DL	ALCINF012523	Total/NA	Water	3520C	
MB 180-424770/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-424770/2-A	Lab Control Sample	Total/NA	Water	3520C	
180-151115-1 MS	ALNGAC38012523	Total/NA	Water	3520C	

Analysis Batch: 425065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151115-1	ALNGAC38012523	Total/NA	Water	EPA 8270E	424770
180-151115-2	ALNGAC37012523	Total/NA	Water	EPA 8270E	424770
180-151115-3	ALCGAC36012523	Total/NA	Water	EPA 8270E	424770
180-151115-4	ALNINF012523	Total/NA	Water	EPA 8270E	424770
180-151115-5	ALCINF012523	Total/NA	Water	EPA 8270E	424770
MB 180-424770/1-A	Method Blank	Total/NA	Water	EPA 8270E	424770
LCS 180-424770/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E	424770
180-151115-1 MS	ALNGAC38012523	Total/NA	Water	EPA 8270E	424770

Analysis Batch: 425078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151115-4 - DL	ALNINF012523	Total/NA	Water	EPA 8270E	424770
180-151115-5 - DL	ALCINF012523	Total/NA	Water	EPA 8270E	424770

Chain of Custody Record

532333

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Address: _____

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

8106 7288 9406

TAL-8210

Client Contact	Project Manager: Michelle Ting	Site Contact: Dave M	Date: 01-25-23	COC No:
Company Name: KEY ENVIRONMENTAL INC	Tel/Email: 412-498-5840	Lab Contact: Shali B.	Carrier: FEDEX	1 of 1 COCs
Address: 300 4th ied AVENUE	Analysis Turnaround Time			Sampler:
City/State/Zip: CARNEGIE PA 15106	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-279-3363	TAT if different from Below: STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: KAC23 601 01	☐ 1 week			
Site: ACL-LOCK HAVEN PA	☐ 2 days			Job / SDG No.:
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)	8260C TCL 3.2 VOA	8270C TCL 3.2 BNA	Sample Specific Notes:
ALNGAC38012523	1-25-23	1030	G	W	5	N	N	3	2	
ALNGAC37012523	1-25-23	1050	G	W	5	N	N	3	2	
ALCGAC36012523	1-25-23	1115	G	W	5	N	N	3	2	
ALNINF012523	1-25-23	1140	G	W	5	N	N	3	2	
ALCINF012523	1-25-23	1205	G	W	5	N	N	3	2	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____			
Relinquished by: David Wood	Company: FTS 1-25-23	Date/Time: 1330	Received by:	Company: ECHE	Date/Time: 1-26 23 10:30
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

FedEx Express **Package US Airbill**

FedEx Tracking Number 8106 7288 9406

Form ID No. 0200

Recipient's Copy

1 From

Date 01-25-23

Sender's Name DAVID MILLER Phone 412 715-4110

Company Field & Technical Service

Address 1 Mount Vernon Street Dept/Floor/Suite/Room

City Lock Haven State PA ZIP 17745

2 Your Internal Billing Reference 23-401 01 23-402 01

3 To

Recipient's Name SAMPLE RECEIVING Phone 412-963-7058

Company EUROFINS

Address 301 Alpha Drive RIDC Park Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Pittsburgh State PA ZIP 15238

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Uncorrected temp 1.4 °C

Thermometer ID 20

CF -0.3 Initials SC

PT-WI-SR-001 effective 11/8/18

4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

[ ] FedEx Envelope* [ ] FedEx Pak* [ ] FedEx Box [ ] FedEx Tube [x] Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

- [ ] Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.
[ ] Direct Signature — Someone at recipient's address may sign for delivery.
[ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked

[x] No [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods—see the current FedEx Service Guide. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No [ ]

[x] Sender Acct. No. in Section 1 will be billed. [ ] Recipient [ ] Third Party [ ] Credit Card [ ] Cash/Check

Total Packages 1 Total Weight 50 lbs. Credit Card Auth. L-233/4 W-13-1

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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180-151115 Waybill

Login Sample Receipt Checklist

Client: Key Environmental, Inc

Job Number: 180-151115-1

Login Number: 151115

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Angie Gatchie
Key Environmental, Inc
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 3/13/2023 7:44:09 AM

JOB DESCRIPTION

ACC

JOB NUMBER

180-152596-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the 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. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

Generated
3/13/2023 7:44:09 AM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-152596-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-152596-1

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) analyzed in 180-428322 was outside the method criteria for the following analyte(s): cis-1,3-Dichloropropene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Chlorobenzene, Benzene and 1,2-Dichlorobenzene were off scale high in the follow sample but were reported as the secondary results following the 10X rule. Th sample will be reanalyzed at a good dilution factor and will be reported as the primary results. ALCGAC36022323 (180-152596-3)

Methods 8260C LL, 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALCGAC36022323 (180-152596-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-428615 was outside the method criteria for the following analyte(s): 1,2-Dichloroethane, 1,2-Dichloroethane-d4, 1,1,2,2-Tetrachloroethane, Bromomethane, Chloroethane, Vinyl chloride and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

Definitions/Glossary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
E	Result exceeded calibration range.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Laboratory: Eurofins Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	03-12-23

Sample Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-152596-1	ALNGAC38022323	Water	02/23/23 09:55	02/24/23 09:10
180-152596-2	ALNGAC37022323	Water	02/23/23 10:15	02/24/23 09:10
180-152596-3	ALCGAC36022323	Water	02/23/23 10:35	02/24/23 09:10

Method Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT

Protocol References:

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Client Sample ID: ALNGAC38022323

Lab Sample ID: 180-152596-1
Date Collected: 02/23/23 09:55
Matrix: Water
Date Received: 02/24/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	428322	03/07/23 11:08	J1T	EET PIT
	Instrument ID: CHHP5									

Client Sample ID: ALNGAC37022323

Lab Sample ID: 180-152596-2
Date Collected: 02/23/23 10:15
Matrix: Water
Date Received: 02/24/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	428512	03/08/23 18:19	J1T	EET PIT
	Instrument ID: CHHP5									

Client Sample ID: ALCGAC36022323

Lab Sample ID: 180-152596-3
Date Collected: 02/23/23 10:35
Matrix: Water
Date Received: 02/24/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	428512	03/08/23 19:07	J1T	EET PIT
	Instrument ID: CHHP5									
Total/NA	Analysis	EPA 8260D	DL	50	5 mL	5 mL	428615	03/09/23 16:03	J1T	EET PIT
	Instrument ID: CHHP5									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Analysis

J1T = Jianwu Tang

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Client Sample ID: ALNGAC38022323

Date Collected: 02/23/23 09:55
Date Received: 02/24/23 09:10

Lab Sample ID: 180-152596-1

Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/07/23 11:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/07/23 11:08	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/07/23 11:08	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/07/23 11:08	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/07/23 11:08	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/07/23 11:08	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/07/23 11:08	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/07/23 11:08	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/07/23 11:08	1
2-Hexanone	ND		5.0	4.2	ug/L			03/07/23 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/07/23 11:08	1
Acetone	ND		20	5.5	ug/L			03/07/23 11:08	1
Benzene	ND		5.0	2.0	ug/L			03/07/23 11:08	1
Bromoform	ND		5.0	2.6	ug/L			03/07/23 11:08	1
Bromomethane	ND		5.0	4.5	ug/L			03/07/23 11:08	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/07/23 11:08	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/07/23 11:08	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/07/23 11:08	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/07/23 11:08	1
Chloroform	ND		5.0	2.1	ug/L			03/07/23 11:08	1
Chloromethane	ND		5.0	3.9	ug/L			03/07/23 11:08	1
Chloroethane	ND		5.0	2.6	ug/L			03/07/23 11:08	1
cis-1,3-Dichloropropene	ND	^c	5.0	1.6	ug/L			03/07/23 11:08	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/07/23 11:08	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/07/23 11:08	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/07/23 11:08	1
Styrene	ND		5.0	1.3	ug/L			03/07/23 11:08	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/07/23 11:08	1
Toluene	ND		5.0	1.7	ug/L			03/07/23 11:08	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/07/23 11:08	1
Trichloroethene	ND		5.0	1.5	ug/L			03/07/23 11:08	1
Xylenes, Total	ND		10	4.3	ug/L			03/07/23 11:08	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/07/23 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*52 - 151*		*03/07/23 11:08*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 118*		*03/07/23 11:08*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 132*		*03/07/23 11:08*	*1*
Toluene-d8 (Surr)	*91*		*53 - 124*		*03/07/23 11:08*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Client Sample ID: ALNGAC37022323
Date Collected: 02/23/23 10:15
Date Received: 02/24/23 09:10

Lab Sample ID: 180-152596-2
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/08/23 18:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/08/23 18:19	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/08/23 18:19	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/08/23 18:19	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/08/23 18:19	1
1,2-Dichloroethane	**3.1**	**J**	5.0	1.5	ug/L			03/08/23 18:19	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/08/23 18:19	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/08/23 18:19	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/08/23 18:19	1
2-Hexanone	ND		5.0	4.2	ug/L			03/08/23 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/08/23 18:19	1
Acetone	ND		20	5.5	ug/L			03/08/23 18:19	1
Benzene	ND		5.0	2.0	ug/L			03/08/23 18:19	1
Bromoform	ND		5.0	2.6	ug/L			03/08/23 18:19	1
Bromomethane	ND		5.0	4.5	ug/L			03/08/23 18:19	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/08/23 18:19	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/08/23 18:19	1
Chlorobenzene	**7.1**		5.0	1.6	ug/L			03/08/23 18:19	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/08/23 18:19	1
Chloroform	ND		5.0	2.1	ug/L			03/08/23 18:19	1
Chloromethane	ND		5.0	3.9	ug/L			03/08/23 18:19	1
Chloroethane	ND		5.0	2.6	ug/L			03/08/23 18:19	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/08/23 18:19	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/08/23 18:19	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/08/23 18:19	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/08/23 18:19	1
Styrene	ND		5.0	1.3	ug/L			03/08/23 18:19	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/08/23 18:19	1
Toluene	ND		5.0	1.7	ug/L			03/08/23 18:19	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/08/23 18:19	1
Trichloroethene	ND		5.0	1.5	ug/L			03/08/23 18:19	1
Xylenes, Total	ND		10	4.3	ug/L			03/08/23 18:19	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/08/23 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*52 - 151*		*03/08/23 18:19*	*1*
4-Bromofluorobenzene (Surr)	*88*		*49 - 118*		*03/08/23 18:19*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 132*		*03/08/23 18:19*	*1*
Toluene-d8 (Surr)	*88*		*53 - 124*		*03/08/23 18:19*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Client Sample ID: ALCGAC36022323
Date Collected: 02/23/23 10:35
Date Received: 02/24/23 09:10

Lab Sample ID: 180-152596-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/08/23 19:07	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/08/23 19:07	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/08/23 19:07	1
1,1-Dichloroethane	**1.8**	**J**	5.0	1.8	ug/L			03/08/23 19:07	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/08/23 19:07	1
1,2-Dichloroethane	**110**	**E**	5.0	1.5	ug/L			03/08/23 19:07	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/08/23 19:07	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/08/23 19:07	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/08/23 19:07	1
2-Hexanone	ND		5.0	4.2	ug/L			03/08/23 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/08/23 19:07	1
Acetone	ND		20	5.5	ug/L			03/08/23 19:07	1
Benzene	**220**	**E**	5.0	2.0	ug/L			03/08/23 19:07	1
Bromoform	ND		5.0	2.6	ug/L			03/08/23 19:07	1
Bromomethane	ND		5.0	4.5	ug/L			03/08/23 19:07	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/08/23 19:07	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/08/23 19:07	1
Chlorobenzene	**400**	**E**	5.0	1.6	ug/L			03/08/23 19:07	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/08/23 19:07	1
Chloroform	ND		5.0	2.1	ug/L			03/08/23 19:07	1
Chloromethane	ND		5.0	3.9	ug/L			03/08/23 19:07	1
Chloroethane	ND		5.0	2.6	ug/L			03/08/23 19:07	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/08/23 19:07	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/08/23 19:07	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/08/23 19:07	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/08/23 19:07	1
Styrene	ND		5.0	1.3	ug/L			03/08/23 19:07	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/08/23 19:07	1
Toluene	ND		5.0	1.7	ug/L			03/08/23 19:07	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/08/23 19:07	1
Trichloroethene	ND		5.0	1.5	ug/L			03/08/23 19:07	1
Xylenes, Total	ND		10	4.3	ug/L			03/08/23 19:07	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/08/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*52 - 151*		*03/08/23 19:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*49 - 118*		*03/08/23 19:07*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 132*		*03/08/23 19:07*	*1*
Toluene-d8 (Surr)	*90*		*53 - 124*		*03/08/23 19:07*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	130	ug/L			03/09/23 16:03	50
1,1,2,2-Tetrachloroethane	ND	^c	250	150	ug/L			03/09/23 16:03	50
1,1,2-Trichloroethane	ND		250	120	ug/L			03/09/23 16:03	50
1,1-Dichloroethane	ND		250	91	ug/L			03/09/23 16:03	50
1,1-Dichloroethene	ND		250	140	ug/L			03/09/23 16:03	50
1,2-Dichloroethane	**99**	**J ^c**	250	73	ug/L			03/09/23 16:03	50
1,2-Dichloroethene, Total	ND		500	200	ug/L			03/09/23 16:03	50
1,2-Dichloropropane	ND		250	120	ug/L			03/09/23 16:03	50

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

Client Sample ID: ALCGAC36022323
Date Collected: 02/23/23 10:35
Date Received: 02/24/23 09:10

Lab Sample ID: 180-152596-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		250	140	ug/L			03/09/23 16:03	50
2-Hexanone	ND		250	210	ug/L			03/09/23 16:03	50
4-Methyl-2-pentanone (MIBK)	ND		250	93	ug/L			03/09/23 16:03	50
Acetone	ND		1000	270	ug/L			03/09/23 16:03	50
Benzene	**230**	**J**	250	98	ug/L			03/09/23 16:03	50
Bromoform	ND		250	130	ug/L			03/09/23 16:03	50
Bromomethane	ND	^c	250	220	ug/L			03/09/23 16:03	50
Carbon disulfide	ND		250	150	ug/L			03/09/23 16:03	50
Carbon tetrachloride	ND		250	170	ug/L			03/09/23 16:03	50
Chlorobenzene	**970**		250	79	ug/L			03/09/23 16:03	50
Dibromochloromethane	ND		250	120	ug/L			03/09/23 16:03	50
Chloroform	ND		250	110	ug/L			03/09/23 16:03	50
Chloromethane	ND	^c	250	190	ug/L			03/09/23 16:03	50
Chloroethane	ND	^c	250	130	ug/L			03/09/23 16:03	50
cis-1,3-Dichloropropene	ND		250	80	ug/L			03/09/23 16:03	50
Bromodichloromethane	ND		250	120	ug/L			03/09/23 16:03	50
Ethylbenzene	ND		250	110	ug/L			03/09/23 16:03	50
Methylene Chloride	ND		250	190	ug/L			03/09/23 16:03	50
Styrene	ND		250	67	ug/L			03/09/23 16:03	50
Tetrachloroethene	ND		250	100	ug/L			03/09/23 16:03	50
Toluene	ND		250	84	ug/L			03/09/23 16:03	50
trans-1,3-Dichloropropene	ND		250	86	ug/L			03/09/23 16:03	50
Trichloroethene	ND		250	75	ug/L			03/09/23 16:03	50
Xylenes, Total	ND		500	220	ug/L			03/09/23 16:03	50
Vinyl chloride	ND	^c	250	180	ug/L			03/09/23 16:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*	*^c*	*52 - 151*		*03/09/23 16:03*	*50*
4-Bromofluorobenzene (Surr)	*85*		*49 - 118*		*03/09/23 16:03*	*50*
Dibromofluoromethane (Surr)	*90*		*60 - 132*		*03/09/23 16:03*	*50*
Toluene-d8 (Surr)	*84*		*53 - 124*		*03/09/23 16:03*	*50*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-428322/7
Matrix: Water
Analysis Batch: 428322

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		5.0	2.5	ug/L			03/07/23 10:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/07/23 10:14	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/07/23 10:14	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/07/23 10:14	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/07/23 10:14	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/07/23 10:14	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/07/23 10:14	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/07/23 10:14	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/07/23 10:14	1
2-Hexanone	ND		5.0	4.2	ug/L			03/07/23 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/07/23 10:14	1
Acetone	ND		20	5.5	ug/L			03/07/23 10:14	1
Benzene	ND		5.0	2.0	ug/L			03/07/23 10:14	1
Bromoform	ND		5.0	2.6	ug/L			03/07/23 10:14	1
Bromomethane	ND		5.0	4.5	ug/L			03/07/23 10:14	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/07/23 10:14	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/07/23 10:14	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/07/23 10:14	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/07/23 10:14	1
Chloroform	ND		5.0	2.1	ug/L			03/07/23 10:14	1
Chloromethane	ND		5.0	3.9	ug/L			03/07/23 10:14	1
Chloroethane	ND		5.0	2.6	ug/L			03/07/23 10:14	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/07/23 10:14	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/07/23 10:14	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/07/23 10:14	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/07/23 10:14	1
Styrene	ND		5.0	1.3	ug/L			03/07/23 10:14	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/07/23 10:14	1
Toluene	ND		5.0	1.7	ug/L			03/07/23 10:14	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/07/23 10:14	1
Trichloroethene	ND		5.0	1.5	ug/L			03/07/23 10:14	1
Xylenes, Total	ND		10	4.3	ug/L			03/07/23 10:14	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/07/23 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*52 - 151*		*03/07/23 10:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 118*		*03/07/23 10:14*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 132*		*03/07/23 10:14*	*1*
Toluene-d8 (Surr)	*96*		*53 - 124*		*03/07/23 10:14*	*1*

Lab Sample ID: LCS 180-428322/4
Matrix: Water
Analysis Batch: 428322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	10.1		ug/L		101	64 - 133
1,1,2,2-Tetrachloroethane	10.0	7.84		ug/L		78	47 - 147
1,1,2-Trichloroethane	10.0	8.52		ug/L		85	59 - 137

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

Lab Sample ID: LCS 180-428322/4
Matrix: Water
Analysis Batch: 428322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	10.0	8.62		ug/L		86	59 - 125
1,1-Dichloroethene	10.0	9.94		ug/L		99	49 - 132
1,2-Dichloroethane	10.0	8.03		ug/L		80	57 - 149
1,2-Dichloroethene, Total	20.0	18.1		ug/L		91	64 - 123
1,2-Dichloropropane	10.0	8.72		ug/L		87	65 - 129
2-Butanone (MEK)	10.0	8.86		ug/L		89	35 - 158
2-Hexanone	10.0	12.4		ug/L		124	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	11.0		ug/L		110	29 - 167
Acetone	10.0	8.49	J	ug/L		85	29 - 163
Benzene	10.0	8.91		ug/L		89	68 - 122
Bromoform	10.0	10.6		ug/L		106	31 - 164
Bromomethane	10.0	7.52		ug/L		75	20 - 170
Carbon disulfide	10.0	10.1		ug/L		101	32 - 139
Carbon tetrachloride	10.0	10.3		ug/L		103	60 - 135
Chlorobenzene	10.0	9.06		ug/L		91	72 - 123
Dibromochloromethane	10.0	9.81		ug/L		98	51 - 144
Chloroform	10.0	8.40		ug/L		84	62 - 121
Chloromethane	10.0	7.19		ug/L		72	37 - 170
Chloroethane	10.0	7.78		ug/L		78	10 - 170
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	53 - 140
Bromodichloromethane	10.0	9.59		ug/L		96	63 - 132
Ethylbenzene	10.0	10.0		ug/L		100	66 - 122
Methylene Chloride	10.0	7.33		ug/L		73	51 - 137
Styrene	10.0	9.66		ug/L		97	68 - 127
Tetrachloroethene	10.0	10.3		ug/L		103	60 - 129
Toluene	10.0	9.61		ug/L		96	67 - 128
trans-1,3-Dichloropropene	10.0	10.5		ug/L		105	57 - 137
Trichloroethene	10.0	9.98		ug/L		100	67 - 121
Xylenes, Total	20.0	19.9		ug/L		99	64 - 123
Vinyl chloride	10.0	7.95		ug/L		80	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*52 - 151*
4-Bromofluorobenzene (Surr)	*95*		*49 - 118*
Dibromofluoromethane (Surr)	*93*		*60 - 132*
Toluene-d8 (Surr)	*99*		*53 - 124*

Lab Sample ID: 180-152596-1 MS
Matrix: Water
Analysis Batch: 428322

Client Sample ID: ALNGAC38022323
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		10.0	10.4		ug/L		104	64 - 133
1,1,2,2-Tetrachloroethane	ND		10.0	8.53		ug/L		85	47 - 147
1,1,2-Trichloroethane	ND		10.0	9.52		ug/L		95	59 - 137
1,1-Dichloroethane	ND		10.0	9.01		ug/L		90	59 - 125
1,1-Dichloroethene	ND		10.0	9.95		ug/L		99	49 - 132
1,2-Dichloroethane	ND		10.0	8.88		ug/L		89	57 - 149

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

Lab Sample ID: 180-152596-1 MS
Matrix: Water
Analysis Batch: 428322

Client Sample ID: ALNGAC38022323
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethene, Total	ND		20.0	19.2		ug/L		96	64 - 123
1,2-Dichloropropane	ND		10.0	9.25		ug/L		93	65 - 129
2-Butanone (MEK)	ND		10.0	8.78		ug/L		88	35 - 158
2-Hexanone	ND		10.0	11.1		ug/L		111	38 - 157
4-Methyl-2-pentanone (MIBK)	ND		10.0	11.2		ug/L		112	29 - 167
Acetone	ND		10.0	10.4	J	ug/L		104	29 - 163
Benzene	ND		10.0	9.29		ug/L		93	68 - 122
Bromoform	ND		10.0	11.4		ug/L		114	31 - 164
Bromomethane	ND		10.0	7.53		ug/L		75	20 - 170
Carbon disulfide	ND		10.0	10.2		ug/L		102	32 - 139
Carbon tetrachloride	ND		10.0	10.7		ug/L		107	60 - 135
Chlorobenzene	ND		10.0	9.71		ug/L		97	72 - 123
Dibromochloromethane	ND		10.0	10.6		ug/L		106	51 - 144
Chloroform	ND		10.0	8.84		ug/L		88	62 - 121
Chloromethane	ND		10.0	7.46		ug/L		75	37 - 170
Chloroethane	ND		10.0	8.12		ug/L		81	10 - 170
cis-1,3-Dichloropropene	ND	^c	10.0	11.7		ug/L		117	53 - 140
Bromodichloromethane	ND		10.0	10.1		ug/L		101	63 - 132
Ethylbenzene	ND		10.0	10.5		ug/L		105	66 - 122
Methylene Chloride	ND		10.0	7.32		ug/L		73	51 - 137
Styrene	ND		10.0	10.3		ug/L		103	68 - 127
Tetrachloroethene	ND		10.0	10.0		ug/L		100	60 - 129
Toluene	ND		10.0	9.65		ug/L		97	67 - 128
trans-1,3-Dichloropropene	ND		10.0	10.7		ug/L		107	57 - 137
Trichloroethene	ND		10.0	10.7		ug/L		107	67 - 121
Xylenes, Total	ND		20.0	20.8		ug/L		104	64 - 123
Vinyl chloride	ND		10.0	7.96		ug/L		80	47 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*52 - 151*
4-Bromofluorobenzene (Surr)	*103*		*49 - 118*
Dibromofluoromethane (Surr)	*98*		*60 - 132*
Toluene-d8 (Surr)	*101*		*53 - 124*

Lab Sample ID: 180-152596-1 MSD
Matrix: Water
Analysis Batch: 428322

Client Sample ID: ALNGAC38022323
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		10.0	10.2		ug/L		102	64 - 133	2	22
1,1,2,2-Tetrachloroethane	ND		10.0	8.45		ug/L		84	47 - 147	1	35
1,1,2-Trichloroethane	ND		10.0	9.31		ug/L		93	59 - 137	2	29
1,1-Dichloroethane	ND		10.0	9.52		ug/L		95	59 - 125	6	20
1,1-Dichloroethene	ND		10.0	10.1		ug/L		101	49 - 132	1	23
1,2-Dichloroethane	ND		10.0	8.87		ug/L		89	57 - 149	0	27
1,2-Dichloroethene, Total	ND		20.0	20.1		ug/L		101	64 - 123	5	22
1,2-Dichloropropane	ND		10.0	9.51		ug/L		95	65 - 129	3	23
2-Butanone (MEK)	ND		10.0	7.82		ug/L		78	35 - 158	12	35

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

Lab Sample ID: 180-152596-1 MSD
Matrix: Water
Analysis Batch: 428322

Client Sample ID: ALNGAC38022323
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		10.0	11.0		ug/L		110	38 - 157	0	35
4-Methyl-2-pentanone (MIBK)	ND		10.0	11.9		ug/L		119	29 - 167	6	35
Acetone	ND		10.0	7.31	J	ug/L		73	29 - 163	35	35
Benzene	ND		10.0	9.64		ug/L		96	68 - 122	4	21
Bromoform	ND		10.0	11.2		ug/L		112	31 - 164	2	35
Bromomethane	ND		10.0	7.72		ug/L		77	20 - 170	2	30
Carbon disulfide	ND		10.0	10.1		ug/L		101	32 - 139	1	25
Carbon tetrachloride	ND		10.0	10.3		ug/L		103	60 - 135	4	25
Chlorobenzene	ND		10.0	9.65		ug/L		96	72 - 123	1	19
Dibromochloromethane	ND		10.0	10.7		ug/L		107	51 - 144	1	25
Chloroform	ND		10.0	9.18		ug/L		92	62 - 121	4	22
Chloromethane	ND		10.0	7.52		ug/L		75	37 - 170	1	28
Chloroethane	ND		10.0	8.15		ug/L		81	10 - 170	0	29
cis-1,3-Dichloropropene	ND	^c	10.0	12.0		ug/L		120	53 - 140	3	26
Bromodichloromethane	ND		10.0	10.4		ug/L		104	63 - 132	3	24
Ethylbenzene	ND		10.0	10.2		ug/L		102	66 - 122	3	22
Methylene Chloride	ND		10.0	7.91		ug/L		79	51 - 137	8	35
Styrene	ND		10.0	10.2		ug/L		102	68 - 127	1	22
Tetrachloroethene	ND		10.0	9.60		ug/L		96	60 - 129	4	22
Toluene	ND		10.0	9.71		ug/L		97	67 - 128	1	22
trans-1,3-Dichloropropene	ND		10.0	10.8		ug/L		108	57 - 137	0	25
Trichloroethene	ND		10.0	10.3		ug/L		103	67 - 121	3	23
Xylenes, Total	ND		20.0	20.6		ug/L		103	64 - 123	1	21
Vinyl chloride	ND		10.0	7.92		ug/L		79	47 - 147	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*52 - 151*
4-Bromofluorobenzene (Surr)	*99*		*49 - 118*
Dibromofluoromethane (Surr)	*100*		*60 - 132*
Toluene-d8 (Surr)	*99*		*53 - 124*

Lab Sample ID: MB 180-428512/7
Matrix: Water
Analysis Batch: 428512

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		5.0	2.5	ug/L			03/08/23 15:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/08/23 15:08	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/08/23 15:08	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/08/23 15:08	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/08/23 15:08	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/08/23 15:08	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/08/23 15:08	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/08/23 15:08	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/08/23 15:08	1
2-Hexanone	ND		5.0	4.2	ug/L			03/08/23 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/08/23 15:08	1
Acetone	ND		20	5.5	ug/L			03/08/23 15:08	1

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

Lab Sample ID: MB 180-428512/7
Matrix: Water
Analysis Batch: 428512

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	2.0	ug/L			03/08/23 15:08	1
Bromoform	ND		5.0	2.6	ug/L			03/08/23 15:08	1
Bromomethane	ND		5.0	4.5	ug/L			03/08/23 15:08	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/08/23 15:08	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/08/23 15:08	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/08/23 15:08	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/08/23 15:08	1
Chloroform	ND		5.0	2.1	ug/L			03/08/23 15:08	1
Chloromethane	ND		5.0	3.9	ug/L			03/08/23 15:08	1
Chloroethane	ND		5.0	2.6	ug/L			03/08/23 15:08	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/08/23 15:08	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/08/23 15:08	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/08/23 15:08	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/08/23 15:08	1
Styrene	ND		5.0	1.3	ug/L			03/08/23 15:08	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/08/23 15:08	1
Toluene	ND		5.0	1.7	ug/L			03/08/23 15:08	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/08/23 15:08	1
Trichloroethene	ND		5.0	1.5	ug/L			03/08/23 15:08	1
Xylenes, Total	ND		10	4.3	ug/L			03/08/23 15:08	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/08/23 15:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*52 - 151*		*03/08/23 15:08*	*1*
4-Bromofluorobenzene (Surr)	*89*		*49 - 118*		*03/08/23 15:08*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 132*		*03/08/23 15:08*	*1*
Toluene-d8 (Surr)	*86*		*53 - 124*		*03/08/23 15:08*	*1*

Lab Sample ID: LCS 180-428512/16
Matrix: Water
Analysis Batch: 428512

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	8.94		ug/L		89	64 - 133
1,1,2,2-Tetrachloroethane	10.0	7.88		ug/L		79	47 - 147
1,1,2-Trichloroethane	10.0	8.57		ug/L		86	59 - 137
1,1-Dichloroethane	10.0	8.61		ug/L		86	59 - 125
1,1-Dichloroethene	10.0	8.55		ug/L		86	49 - 132
1,2-Dichloroethane	10.0	8.52		ug/L		85	57 - 149
1,2-Dichloroethene, Total	20.0	18.4		ug/L		92	64 - 123
1,2-Dichloropropane	10.0	8.53		ug/L		85	65 - 129
2-Butanone (MEK)	10.0	8.95		ug/L		90	35 - 158
2-Hexanone	10.0	9.58		ug/L		96	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	10.2		ug/L		102	29 - 167
Acetone	10.0	6.69	J	ug/L		67	29 - 163
Benzene	10.0	8.73		ug/L		87	68 - 122
Bromoform	10.0	10.4		ug/L		104	31 - 164
Bromomethane	10.0	7.81		ug/L		78	20 - 170

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

Lab Sample ID: LCS 180-428512/16
Matrix: Water
Analysis Batch: 428512

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	10.0	8.61		ug/L		86	32 - 139
Carbon tetrachloride	10.0	8.83		ug/L		88	60 - 135
Chlorobenzene	10.0	8.81		ug/L		88	72 - 123
Dibromochloromethane	10.0	9.74		ug/L		97	51 - 144
Chloroform	10.0	8.45		ug/L		85	62 - 121
Chloromethane	10.0	7.28		ug/L		73	37 - 170
Chloroethane	10.0	7.81		ug/L		78	10 - 170
cis-1,3-Dichloropropene	10.0	10.8		ug/L		108	53 - 140
Bromodichloromethane	10.0	9.40		ug/L		94	63 - 132
Ethylbenzene	10.0	9.20		ug/L		92	66 - 122
Methylene Chloride	10.0	8.69		ug/L		87	51 - 137
Styrene	10.0	9.64		ug/L		96	68 - 127
Tetrachloroethene	10.0	8.37		ug/L		84	60 - 129
Toluene	10.0	8.91		ug/L		89	67 - 128
trans-1,3-Dichloropropene	10.0	9.84		ug/L		98	57 - 137
Trichloroethene	10.0	9.61		ug/L		96	67 - 121
Xylenes, Total	20.0	19.3		ug/L		97	64 - 123
Vinyl chloride	10.0	7.18		ug/L		72	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*52 - 151*
4-Bromofluorobenzene (Surr)	*93*		*49 - 118*
Dibromofluoromethane (Surr)	*97*		*60 - 132*
Toluene-d8 (Surr)	*93*		*53 - 124*

Lab Sample ID: MB 180-428615/9
Matrix: Water
Analysis Batch: 428615

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		5.0	2.5	ug/L			03/09/23 10:05	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/09/23 10:05	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/09/23 10:05	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/09/23 10:05	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/09/23 10:05	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/09/23 10:05	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/09/23 10:05	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/09/23 10:05	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/09/23 10:05	1
2-Hexanone	ND		5.0	4.2	ug/L			03/09/23 10:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/09/23 10:05	1
Acetone	ND		20	5.5	ug/L			03/09/23 10:05	1
Benzene	ND		5.0	2.0	ug/L			03/09/23 10:05	1
Bromoform	ND		5.0	2.6	ug/L			03/09/23 10:05	1
Bromomethane	ND		5.0	4.5	ug/L			03/09/23 10:05	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/09/23 10:05	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/09/23 10:05	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/09/23 10:05	1

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

Lab Sample ID: MB 180-428615/9
Matrix: Water
Analysis Batch: 428615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		5.0	2.4	ug/L			03/09/23 10:05	1
Chloroform	ND		5.0	2.1	ug/L			03/09/23 10:05	1
Chloromethane	ND		5.0	3.9	ug/L			03/09/23 10:05	1
Chloroethane	ND		5.0	2.6	ug/L			03/09/23 10:05	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/09/23 10:05	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/09/23 10:05	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/09/23 10:05	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/09/23 10:05	1
Styrene	ND		5.0	1.3	ug/L			03/09/23 10:05	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/09/23 10:05	1
Toluene	ND		5.0	1.7	ug/L			03/09/23 10:05	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/09/23 10:05	1
Trichloroethene	ND		5.0	1.5	ug/L			03/09/23 10:05	1
Xylenes, Total	ND		10	4.3	ug/L			03/09/23 10:05	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/09/23 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*52 - 151*		*03/09/23 10:05*	*1*
4-Bromofluorobenzene (Surr)	*89*		*49 - 118*		*03/09/23 10:05*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 132*		*03/09/23 10:05*	*1*
Toluene-d8 (Surr)	*90*		*53 - 124*		*03/09/23 10:05*	*1*

Lab Sample ID: LCS 180-428615/6
Matrix: Water
Analysis Batch: 428615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	9.82		ug/L		98	64 - 133
1,1,2,2-Tetrachloroethane	10.0	6.62		ug/L		66	47 - 147
1,1,2-Trichloroethane	10.0	7.48		ug/L		75	59 - 137
1,1-Dichloroethane	10.0	8.17		ug/L		82	59 - 125
1,1-Dichloroethene	10.0	9.50		ug/L		95	49 - 132
1,2-Dichloroethane	10.0	7.38		ug/L		74	57 - 149
1,2-Dichloroethene, Total	20.0	17.6		ug/L		88	64 - 123
1,2-Dichloropropane	10.0	8.06		ug/L		81	65 - 129
2-Butanone (MEK)	10.0	7.89		ug/L		79	35 - 158
2-Hexanone	10.0	8.61		ug/L		86	38 - 157
4-Methyl-2-pentanone (MIBK)	10.0	8.39		ug/L		84	29 - 167
Acetone	10.0	6.70	J	ug/L		67	29 - 163
Benzene	10.0	8.39		ug/L		84	68 - 122
Bromoform	10.0	8.82		ug/L		88	31 - 164
Bromomethane	10.0	7.11		ug/L		71	20 - 170
Carbon disulfide	10.0	9.34		ug/L		93	32 - 139
Carbon tetrachloride	10.0	10.2		ug/L		102	60 - 135
Chlorobenzene	10.0	8.59		ug/L		86	72 - 123
Dibromochloromethane	10.0	8.52		ug/L		85	51 - 144
Chloroform	10.0	7.98		ug/L		80	62 - 121
Chloromethane	10.0	7.22		ug/L		72	37 - 170

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

Lab Sample ID: LCS 180-428615/6
Matrix: Water
Analysis Batch: 428615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	10.0	7.57		ug/L		76	10 - 170
cis-1,3-Dichloropropene	10.0	9.81		ug/L		98	53 - 140
Bromodichloromethane	10.0	8.43		ug/L		84	63 - 132
Ethylbenzene	10.0	9.50		ug/L		95	66 - 122
Methylene Chloride	10.0	8.26		ug/L		83	51 - 137
Styrene	10.0	8.92		ug/L		89	68 - 127
Tetrachloroethene	10.0	9.13		ug/L		91	60 - 129
Toluene	10.0	8.40		ug/L		84	67 - 128
trans-1,3-Dichloropropene	10.0	8.72		ug/L		87	57 - 137
Trichloroethene	10.0	9.46		ug/L		95	67 - 121
Xylenes, Total	20.0	18.8		ug/L		94	64 - 123
Vinyl chloride	10.0	7.86		ug/L		79	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*52 - 151*
4-Bromofluorobenzene (Surr)	*93*		*49 - 118*
Dibromofluoromethane (Surr)	*88*		*60 - 132*
Toluene-d8 (Surr)	*86*		*53 - 124*

QC Association Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-152596-1

GC/MS VOA

Analysis Batch: 428322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152596-1	ALNGAC38022323	Total/NA	Water	EPA 8260D	
MB 180-428322/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-428322/4	Lab Control Sample	Total/NA	Water	EPA 8260D	
180-152596-1 MS	ALNGAC38022323	Total/NA	Water	EPA 8260D	
180-152596-1 MSD	ALNGAC38022323	Total/NA	Water	EPA 8260D	

Analysis Batch: 428512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152596-2	ALNGAC37022323	Total/NA	Water	EPA 8260D	
180-152596-3	ALCGAC36022323	Total/NA	Water	EPA 8260D	
MB 180-428512/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-428512/16	Lab Control Sample	Total/NA	Water	EPA 8260D	

Analysis Batch: 428615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152596-3 - DL	ALCGAC36022323	Total/NA	Water	EPA 8260D	
MB 180-428615/9	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-428615/6	Lab Control Sample	Total/NA	Water	EPA 8260D	

TestAmerica Pittsburgh

301 Alpha Drive

Pittsburgh, PA 15238

Phone: 412 963 7058 Fax: 412 963 2470

Chain of Custody Record

112389

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

TAL-8210 (0713)

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

8166 7288 9369

Client Contact	Project Manager: Michelle Tinch	Site Contact: DAVE Miller	Date: 02-23-23	COC No:
Company Name: KEY ENVIRONMENTAL INC	Tel/Fax: 412-498-5810	Lab Contact: Shali Brown	Carrier: FED EX	1 of 1 COCs
Address: 200 THIRD AVENUE	Analysis Turnaround Time			Sampler:
City/State/Zip: CARNEGIE PA 15106	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-279 7363	TAT if different from Below Standard			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: KAC23 601 01	☐ 1 week			Job / SDG No.:
Site: ACC-LOCK HAVEN PA	☐ 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 TCL 3.2 VOA
ALNGAC38022323	2-23-23 ~~0955~~	0955	G	W	3	N	N	3
ALNGAC37022323	2-23-23	1015	G	W	3	N	N	3
ALCGAC36022323	2-23-23	1035	G	W	3	N	N	3

180-152596 Chain of Custody

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

Possible Hazard Identification:

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

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

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

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

Special Instructions/QC Requirements & Comments:

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

Relinquished by:	Company	Date/Time:	Received by:	Company	Date/Time:
David Miller	FES 02-23-23	1230	Mark Gray	eTAME	2-24-23 9:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company.	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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3/13/2023

Login Sample Receipt Checklist

Client: Key Environmental, Inc

Job Number: 180-152596-1

Login Number: 152596
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Angie Gatchie
Key Environmental, Inc
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 3/16/2023 10:25:56 AM

JOB DESCRIPTION

ACC

JOB NUMBER

180-153003-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the 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. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

Generated
3/16/2023 10:25:56 AM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-153003-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-153003-1

Comments
No additional comments.

Receipt
The samples were received on 3/3/2023 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS VOA
Methods 8260C, 8260D: The continuing calibration verification (CCV) analyzed in batch 180-429125 was outside the method criteria for the following analyte(s): Acetone, Chloroethane, Bromomethane, 2-Hexanone and 4-Methyl-2-pentanone.(LOW). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Methods 8260C, 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 180-429125 recovered outside control limits for the following analytes: Chloroform. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Methods 8260C, 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-429125 recovered outside control limits for the following analytes: Vinyl chloride.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-429226 recovered outside control limits for the following analytes: Carbon disulfide

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: ALCGAC36030223 (180-153003-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-429226 was outside the method criteria for the following analyte(s): 4-Methyl-2-pentanone (LOW). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in 180-429226 was outside the method criteria for the following analyte(s): Chloromethane and Vinyl chloride (HIGH). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The laboratory control sample (LCS) for analytical batch 180-429226 recovered outside control limits for the following analytes: 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Definitions/Glossary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
^c	CCV Recovery is outside acceptance limits.
E	Result exceeded calibration range.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Laboratory: Eurofins Pittsburgh

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-23

Sample Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-153003-1	ALNGAC38030223	Water	03/02/23 09:20	03/03/23 10:20
180-153003-2	ALNGAC37030223	Water	03/02/23 09:40	03/03/23 10:20
180-153003-3	ALCGAC36030223	Water	03/02/23 09:58	03/03/23 10:20

Method Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT

Protocol References:

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Client Sample ID: ALNGAC38030223
Lab Sample ID: 180-153003-1
Date Collected: 03/02/23 09:20
Matrix: Water
Date Received: 03/03/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	429125	03/14/23 17:33	PJJ	EET PIT
	Instrument ID: CHHP11									

Client Sample ID: ALNGAC37030223
Lab Sample ID: 180-153003-2
Date Collected: 03/02/23 09:40
Matrix: Water
Date Received: 03/03/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	429125	03/14/23 18:40	PJJ	EET PIT
	Instrument ID: CHHP11									

Client Sample ID: ALCGAC36030223
Lab Sample ID: 180-153003-3
Date Collected: 03/02/23 09:58
Matrix: Water
Date Received: 03/03/23 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	429125	03/14/23 20:09	PJJ	EET PIT
	Instrument ID: CHHP11									
Total/NA	Analysis	EPA 8260D	DL	100	5 mL	5 mL	429226	03/15/23 14:05	PJJ	EET PIT
	Instrument ID: CHHP11									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Analysis

PJJ = Patrick Journet

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Client Sample ID: ALNGAC38030223
Date Collected: 03/02/23 09:20
Date Received: 03/03/23 10:20

Lab Sample ID: 180-153003-1
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/14/23 17:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/14/23 17:33	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/14/23 17:33	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/14/23 17:33	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/14/23 17:33	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/14/23 17:33	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/14/23 17:33	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/14/23 17:33	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/14/23 17:33	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			03/14/23 17:33	1
4-Methyl-2-pentanone (MIBK)	ND	^c	5.0	1.9	ug/L			03/14/23 17:33	1
Acetone	ND	^c	20	5.5	ug/L			03/14/23 17:33	1
Benzene	ND		5.0	2.0	ug/L			03/14/23 17:33	1
Bromoform	ND		5.0	2.6	ug/L			03/14/23 17:33	1
Bromomethane	ND	^c	5.0	4.5	ug/L			03/14/23 17:33	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/14/23 17:33	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/14/23 17:33	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/14/23 17:33	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/14/23 17:33	1
Chloroform	ND	*+	5.0	2.1	ug/L			03/14/23 17:33	1
Chloromethane	ND		5.0	3.9	ug/L			03/14/23 17:33	1
Chloroethane	ND	^c	5.0	2.6	ug/L			03/14/23 17:33	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/14/23 17:33	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/14/23 17:33	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/14/23 17:33	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/14/23 17:33	1
Styrene	ND		5.0	1.3	ug/L			03/14/23 17:33	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/14/23 17:33	1
Toluene	ND		5.0	1.7	ug/L			03/14/23 17:33	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/14/23 17:33	1
Trichloroethene	ND		5.0	1.5	ug/L			03/14/23 17:33	1
Xylenes, Total	ND		10	4.3	ug/L			03/14/23 17:33	1
Vinyl chloride	ND	*1	5.0	3.7	ug/L			03/14/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 151*		*03/14/23 17:33*	*1*
4-Bromofluorobenzene (Surr)	*81*		*49 - 118*		*03/14/23 17:33*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 132*		*03/14/23 17:33*	*1*
Toluene-d8 (Surr)	*108*		*53 - 124*		*03/14/23 17:33*	*1*

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Client Sample ID: ALNGAC37030223

Date Collected: 03/02/23 09:40
Date Received: 03/03/23 10:20

Lab Sample ID: 180-153003-2

Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/14/23 18:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/14/23 18:40	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/14/23 18:40	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/14/23 18:40	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/14/23 18:40	1
1,2-Dichloroethane	**2.6**	**J**	5.0	1.5	ug/L			03/14/23 18:40	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/14/23 18:40	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/14/23 18:40	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/14/23 18:40	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			03/14/23 18:40	1
4-Methyl-2-pentanone (MIBK)	ND	^c	5.0	1.9	ug/L			03/14/23 18:40	1
Acetone	ND	^c	20	5.5	ug/L			03/14/23 18:40	1
Benzene	ND		5.0	2.0	ug/L			03/14/23 18:40	1
Bromoform	ND		5.0	2.6	ug/L			03/14/23 18:40	1
Bromomethane	ND	^c	5.0	4.5	ug/L			03/14/23 18:40	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/14/23 18:40	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/14/23 18:40	1
Chlorobenzene	**4.6**	**J**	5.0	1.6	ug/L			03/14/23 18:40	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/14/23 18:40	1
Chloroform	ND	*+	5.0	2.1	ug/L			03/14/23 18:40	1
Chloromethane	ND		5.0	3.9	ug/L			03/14/23 18:40	1
Chloroethane	ND	^c	5.0	2.6	ug/L			03/14/23 18:40	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/14/23 18:40	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/14/23 18:40	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/14/23 18:40	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/14/23 18:40	1
Styrene	ND		5.0	1.3	ug/L			03/14/23 18:40	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/14/23 18:40	1
Toluene	ND		5.0	1.7	ug/L			03/14/23 18:40	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/14/23 18:40	1
Trichloroethene	ND		5.0	1.5	ug/L			03/14/23 18:40	1
Xylenes, Total	ND		10	4.3	ug/L			03/14/23 18:40	1
Vinyl chloride	ND	*1	5.0	3.7	ug/L			03/14/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*52 - 151*		*03/14/23 18:40*	*1*
4-Bromofluorobenzene (Surr)	*77*		*49 - 118*		*03/14/23 18:40*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 132*		*03/14/23 18:40*	*1*
Toluene-d8 (Surr)	*102*		*53 - 124*		*03/14/23 18:40*	*1*

Client Sample ID: ALCGAC36030223

Date Collected: 03/02/23 09:58
Date Received: 03/03/23 10:20

Lab Sample ID: 180-153003-3

Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			03/14/23 20:09	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/14/23 20:09	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/14/23 20:09	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/14/23 20:09	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/14/23 20:09	1
1,2-Dichloroethane	**68**	**E**	5.0	1.5	ug/L			03/14/23 20:09	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/14/23 20:09	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/14/23 20:09	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/14/23 20:09	1
2-Hexanone	ND	^c	5.0	4.2	ug/L			03/14/23 20:09	1
4-Methyl-2-pentanone (MIBK)	ND	^c	5.0	1.9	ug/L			03/14/23 20:09	1
Acetone	ND	^c	20	5.5	ug/L			03/14/23 20:09	1
Benzene	**190**	**E**	5.0	2.0	ug/L			03/14/23 20:09	1
Bromoform	ND		5.0	2.6	ug/L			03/14/23 20:09	1
Bromomethane	ND	^c	5.0	4.5	ug/L			03/14/23 20:09	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/14/23 20:09	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/14/23 20:09	1
Chlorobenzene	**750**	**E**	5.0	1.6	ug/L			03/14/23 20:09	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/14/23 20:09	1
Chloroform	ND	*+	5.0	2.1	ug/L			03/14/23 20:09	1
Chloromethane	ND		5.0	3.9	ug/L			03/14/23 20:09	1
Chloroethane	ND	^c	5.0	2.6	ug/L			03/14/23 20:09	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/14/23 20:09	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/14/23 20:09	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/14/23 20:09	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/14/23 20:09	1
Styrene	ND		5.0	1.3	ug/L			03/14/23 20:09	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/14/23 20:09	1
Toluene	ND		5.0	1.7	ug/L			03/14/23 20:09	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/14/23 20:09	1
Trichloroethene	ND		5.0	1.5	ug/L			03/14/23 20:09	1
Xylenes, Total	ND		10	4.3	ug/L			03/14/23 20:09	1
Vinyl chloride	ND	*1	5.0	3.7	ug/L			03/14/23 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*52 - 151*		*03/14/23 20:09*	*1*
4-Bromofluorobenzene (Surr)	*67*		*49 - 118*		*03/14/23 20:09*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 132*		*03/14/23 20:09*	*1*
Toluene-d8 (Surr)	*84*		*53 - 124*		*03/14/23 20:09*	*1*

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	250	ug/L			03/15/23 14:05	100
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			03/15/23 14:05	100
1,1,2-Trichloroethane	ND		500	240	ug/L			03/15/23 14:05	100
1,1-Dichloroethane	ND		500	180	ug/L			03/15/23 14:05	100
1,1-Dichloroethene	ND		500	290	ug/L			03/15/23 14:05	100
1,2-Dichloroethane	ND		500	150	ug/L			03/15/23 14:05	100
1,2-Dichloroethene, Total	ND		1000	400	ug/L			03/15/23 14:05	100
1,2-Dichloropropane	ND	*+	500	250	ug/L			03/15/23 14:05	100

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

Client Sample ID: ALCGAC36030223
Date Collected: 03/02/23 09:58
Date Received: 03/03/23 10:20

Lab Sample ID: 180-153003-3
Matrix: Water

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		500	290	ug/L			03/15/23 14:05	100
2-Hexanone	ND		500	420	ug/L			03/15/23 14:05	100
4-Methyl-2-pentanone (MIBK)	ND	^c	500	190	ug/L			03/15/23 14:05	100
Acetone	ND		2000	550	ug/L			03/15/23 14:05	100
Benzene	**240**	**J**	500	200	ug/L			03/15/23 14:05	100
Bromoform	ND		500	260	ug/L			03/15/23 14:05	100
Bromomethane	ND		500	450	ug/L			03/15/23 14:05	100
Carbon disulfide	ND	*1	500	300	ug/L			03/15/23 14:05	100
Carbon tetrachloride	ND		500	330	ug/L			03/15/23 14:05	100
Chlorobenzene	**1000**		500	160	ug/L			03/15/23 14:05	100
Dibromochloromethane	ND		500	240	ug/L			03/15/23 14:05	100
Chloroform	ND		500	210	ug/L			03/15/23 14:05	100
Chloromethane	ND	^c	500	390	ug/L			03/15/23 14:05	100
Chloroethane	ND		500	260	ug/L			03/15/23 14:05	100
cis-1,3-Dichloropropene	ND		500	160	ug/L			03/15/23 14:05	100
Bromodichloromethane	ND		500	240	ug/L			03/15/23 14:05	100
Ethylbenzene	ND		500	220	ug/L			03/15/23 14:05	100
Methylene Chloride	ND		500	390	ug/L			03/15/23 14:05	100
Styrene	ND		500	130	ug/L			03/15/23 14:05	100
Tetrachloroethene	ND		500	200	ug/L			03/15/23 14:05	100
Toluene	ND		500	170	ug/L			03/15/23 14:05	100
trans-1,3-Dichloropropene	ND		500	170	ug/L			03/15/23 14:05	100
Trichloroethene	ND		500	150	ug/L			03/15/23 14:05	100
Xylenes, Total	ND		1000	430	ug/L			03/15/23 14:05	100
Vinyl chloride	ND	^c	500	370	ug/L			03/15/23 14:05	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*52 - 151*		*03/15/23 14:05*	*100*
4-Bromofluorobenzene (Surr)	*92*		*49 - 118*		*03/15/23 14:05*	*100*
Dibromofluoromethane (Surr)	*100*		*60 - 132*		*03/15/23 14:05*	*100*
Toluene-d8 (Surr)	*95*		*53 - 124*		*03/15/23 14:05*	*100*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-429125/7
Matrix: Water
Analysis Batch: 429125

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		5.0	2.5	ug/L			03/14/23 14:05	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/14/23 14:05	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/14/23 14:05	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/14/23 14:05	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/14/23 14:05	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/14/23 14:05	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/14/23 14:05	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/14/23 14:05	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/14/23 14:05	1
2-Hexanone	ND		5.0	4.2	ug/L			03/14/23 14:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/14/23 14:05	1
Acetone	ND		20	5.5	ug/L			03/14/23 14:05	1
Benzene	ND		5.0	2.0	ug/L			03/14/23 14:05	1
Bromoform	ND		5.0	2.6	ug/L			03/14/23 14:05	1
Bromomethane	ND		5.0	4.5	ug/L			03/14/23 14:05	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/14/23 14:05	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/14/23 14:05	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/14/23 14:05	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/14/23 14:05	1
Chloroform	ND		5.0	2.1	ug/L			03/14/23 14:05	1
Chloromethane	ND		5.0	3.9	ug/L			03/14/23 14:05	1
Chloroethane	ND		5.0	2.6	ug/L			03/14/23 14:05	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/14/23 14:05	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/14/23 14:05	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/14/23 14:05	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/14/23 14:05	1
Styrene	ND		5.0	1.3	ug/L			03/14/23 14:05	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/14/23 14:05	1
Toluene	ND		5.0	1.7	ug/L			03/14/23 14:05	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/14/23 14:05	1
Trichloroethene	ND		5.0	1.5	ug/L			03/14/23 14:05	1
Xylenes, Total	ND		10	4.3	ug/L			03/14/23 14:05	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/14/23 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*52 - 151*		*03/14/23 14:05*	*1*
4-Bromofluorobenzene (Surr)	*78*		*49 - 118*		*03/14/23 14:05*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 132*		*03/14/23 14:05*	*1*
Toluene-d8 (Surr)	*78*		*53 - 124*		*03/14/23 14:05*	*1*

Lab Sample ID: LCS 180-429125/3
Matrix: Water
Analysis Batch: 429125

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	9.14		ug/L		91	64 - 133
1,1,2,2-Tetrachloroethane	10.0	8.75		ug/L		87	47 - 147
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	59 - 137

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

Lab Sample ID: LCS 180-429125/3
Matrix: Water
Analysis Batch: 429125

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	10.0	10.7		ug/L		107	59 - 125
1,1-Dichloroethene	10.0	8.70		ug/L		87	49 - 132
1,2-Dichloroethane	10.0	9.93		ug/L		99	57 - 149
1,2-Dichloroethene, Total	20.0	19.3		ug/L		96	64 - 123
1,2-Dichloropropane	10.0	10.4		ug/L		104	65 - 129
2-Butanone (MEK)	20.0	13.9		ug/L		69	35 - 158
2-Hexanone	20.0	12.4		ug/L		62	38 - 157
4-Methyl-2-pentanone (MIBK)	20.0	10.6		ug/L		53	29 - 167
Acetone	20.0	15.3	J	ug/L		77	29 - 163
Benzene	10.0	9.94		ug/L		99	68 - 122
Bromoform	10.0	9.85		ug/L		99	31 - 164
Bromomethane	10.0	7.96		ug/L		80	20 - 170
Carbon disulfide	10.0	8.66		ug/L		87	32 - 139
Carbon tetrachloride	10.0	9.46		ug/L		95	60 - 135
Chlorobenzene	10.0	10.0		ug/L		100	72 - 123
Dibromochloromethane	10.0	10.3		ug/L		103	51 - 144
Chloroform	10.0	11.2		ug/L		112	62 - 121
Chloromethane	10.0	11.8		ug/L		118	37 - 170
Chloroethane	10.0	8.07		ug/L		81	10 - 170
cis-1,3-Dichloropropene	10.0	9.45		ug/L		94	53 - 140
Bromodichloromethane	10.0	9.92		ug/L		99	63 - 132
Ethylbenzene	10.0	9.58		ug/L		96	66 - 122
Methylene Chloride	10.0	8.12		ug/L		81	51 - 137
Styrene	10.0	9.42		ug/L		94	68 - 127
Tetrachloroethene	10.0	10.1		ug/L		101	60 - 129
Toluene	10.0	10.3		ug/L		103	67 - 128
trans-1,3-Dichloropropene	10.0	9.84		ug/L		98	57 - 137
Trichloroethene	10.0	9.72		ug/L		97	67 - 121
Xylenes, Total	20.0	18.8		ug/L		94	64 - 123
Vinyl chloride	10.0	10.0		ug/L		100	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*52 - 151*
4-Bromofluorobenzene (Surr)	*85*		*49 - 118*
Dibromofluoromethane (Surr)	*89*		*60 - 132*
Toluene-d8 (Surr)	*83*		*53 - 124*

Lab Sample ID: LCSD 180-429125/4
Matrix: Water
Analysis Batch: 429125

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	10.0	8.96		ug/L		90	64 - 133	2	22
1,1,2,2-Tetrachloroethane	10.0	11.2		ug/L		112	47 - 147	25	35
1,1,2-Trichloroethane	10.0	11.5		ug/L		115	59 - 137	10	29
1,1-Dichloroethane	10.0	10.7		ug/L		107	59 - 125	0	20
1,1-Dichloroethene	10.0	8.94		ug/L		89	49 - 132	3	23
1,2-Dichloroethane	10.0	11.5		ug/L		115	57 - 149	15	27

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

Lab Sample ID: LCSD 180-429125/4
Matrix: Water
Analysis Batch: 429125

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethene, Total	20.0	20.1		ug/L		100	64 - 123	4	22
1,2-Dichloropropane	10.0	11.0		ug/L		110	65 - 129	5	23
2-Butanone (MEK)	20.0	18.7		ug/L		93	35 - 158	30	35
2-Hexanone	20.0	14.5		ug/L		73	38 - 157	16	35
4-Methyl-2-pentanone (MIBK)	20.0	12.6		ug/L		63	29 - 167	18	35
Acetone	20.0	19.0	J	ug/L		95	29 - 163	21	35
Benzene	10.0	9.99		ug/L		100	68 - 122	0	21
Bromoform	10.0	11.3		ug/L		113	31 - 164	13	35
Bromomethane	10.0	6.94		ug/L		69	20 - 170	14	30
Carbon disulfide	10.0	9.18		ug/L		92	32 - 139	6	25
Carbon tetrachloride	10.0	8.87		ug/L		89	60 - 135	6	25
Chlorobenzene	10.0	9.63		ug/L		96	72 - 123	4	19
Dibromochloromethane	10.0	11.4		ug/L		114	51 - 144	10	25
Chloroform	10.0	12.5	*+	ug/L		125	62 - 121	11	22
Chloromethane	10.0	10.8		ug/L		108	37 - 170	9	28
Chloroethane	10.0	7.44		ug/L		74	10 - 170	8	29
cis-1,3-Dichloropropene	10.0	10.3		ug/L		103	53 - 140	9	26
Bromodichloromethane	10.0	10.9		ug/L		109	63 - 132	9	24
Ethylbenzene	10.0	9.00		ug/L		90	66 - 122	6	22
Methylene Chloride	10.0	10.5		ug/L		105	51 - 137	26	35
Styrene	10.0	9.69		ug/L		97	68 - 127	3	22
Tetrachloroethene	10.0	9.15		ug/L		92	60 - 129	10	22
Toluene	10.0	9.66		ug/L		97	67 - 128	6	22
trans-1,3-Dichloropropene	10.0	10.6		ug/L		106	57 - 137	7	25
Trichloroethene	10.0	9.32		ug/L		93	67 - 121	4	23
Xylenes, Total	20.0	18.3		ug/L		92	64 - 123	2	21
Vinyl chloride	10.0	7.00	*1	ug/L		70	47 - 147	36	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 151*
4-Bromofluorobenzene (Surr)	*97*		*49 - 118*
Dibromofluoromethane (Surr)	*99*		*60 - 132*
Toluene-d8 (Surr)	*84*		*53 - 124*

Lab Sample ID: MB 180-429226/7
Matrix: Water
Analysis Batch: 429226

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		5.0	2.5	ug/L			03/15/23 11:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	3.0	ug/L			03/15/23 11:30	1
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			03/15/23 11:30	1
1,1-Dichloroethane	ND		5.0	1.8	ug/L			03/15/23 11:30	1
1,1-Dichloroethene	ND		5.0	2.9	ug/L			03/15/23 11:30	1
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/15/23 11:30	1
1,2-Dichloroethene, Total	ND		10	4.0	ug/L			03/15/23 11:30	1
1,2-Dichloropropane	ND		5.0	2.5	ug/L			03/15/23 11:30	1
2-Butanone (MEK)	ND		5.0	2.9	ug/L			03/15/23 11:30	1

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

Lab Sample ID: MB 180-429226/7
Matrix: Water
Analysis Batch: 429226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	4.2	ug/L			03/15/23 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.9	ug/L			03/15/23 11:30	1
Acetone	ND		20	5.5	ug/L			03/15/23 11:30	1
Benzene	ND		5.0	2.0	ug/L			03/15/23 11:30	1
Bromoform	ND		5.0	2.6	ug/L			03/15/23 11:30	1
Bromomethane	ND		5.0	4.5	ug/L			03/15/23 11:30	1
Carbon disulfide	ND		5.0	3.0	ug/L			03/15/23 11:30	1
Carbon tetrachloride	ND		5.0	3.3	ug/L			03/15/23 11:30	1
Chlorobenzene	ND		5.0	1.6	ug/L			03/15/23 11:30	1
Dibromochloromethane	ND		5.0	2.4	ug/L			03/15/23 11:30	1
Chloroform	ND		5.0	2.1	ug/L			03/15/23 11:30	1
Chloromethane	ND		5.0	3.9	ug/L			03/15/23 11:30	1
Chloroethane	ND		5.0	2.6	ug/L			03/15/23 11:30	1
cis-1,3-Dichloropropene	ND		5.0	1.6	ug/L			03/15/23 11:30	1
Bromodichloromethane	ND		5.0	2.4	ug/L			03/15/23 11:30	1
Ethylbenzene	ND		5.0	2.2	ug/L			03/15/23 11:30	1
Methylene Chloride	ND		5.0	3.9	ug/L			03/15/23 11:30	1
Styrene	ND		5.0	1.3	ug/L			03/15/23 11:30	1
Tetrachloroethene	ND		5.0	2.0	ug/L			03/15/23 11:30	1
Toluene	ND		5.0	1.7	ug/L			03/15/23 11:30	1
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			03/15/23 11:30	1
Trichloroethene	ND		5.0	1.5	ug/L			03/15/23 11:30	1
Xylenes, Total	ND		10	4.3	ug/L			03/15/23 11:30	1
Vinyl chloride	ND		5.0	3.7	ug/L			03/15/23 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*52 - 151*		*03/15/23 11:30*	*1*
4-Bromofluorobenzene (Surr)	*74*		*49 - 118*		*03/15/23 11:30*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 132*		*03/15/23 11:30*	*1*
Toluene-d8 (Surr)	*99*		*53 - 124*		*03/15/23 11:30*	*1*

Lab Sample ID: LCS 180-429226/3
Matrix: Water
Analysis Batch: 429226

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10.0	8.65		ug/L		87	64 - 133
1,1,2,2-Tetrachloroethane	10.0	9.69		ug/L		97	47 - 147
1,1,2-Trichloroethane	10.0	11.2		ug/L		112	59 - 137
1,1-Dichloroethane	10.0	8.85		ug/L		88	59 - 125
1,1-Dichloroethene	10.0	8.25		ug/L		83	49 - 132
1,2-Dichloroethane	10.0	10.0		ug/L		100	57 - 149
1,2-Dichloroethene, Total	20.0	19.0		ug/L		95	64 - 123
1,2-Dichloropropane	10.0	13.7	*+	ug/L		137	65 - 129
2-Butanone (MEK)	20.0	20.1		ug/L		101	35 - 158
2-Hexanone	20.0	18.3		ug/L		92	38 - 157
4-Methyl-2-pentanone (MIBK)	20.0	10.9		ug/L		54	29 - 167
Acetone	20.0	20.8		ug/L		104	29 - 163

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

Lab Sample ID: LCS 180-429226/3
Matrix: Water
Analysis Batch: 429226

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.44		ug/L		94	68 - 122
Bromoform	10.0	10.2		ug/L		102	31 - 164
Bromomethane	10.0	8.73		ug/L		87	20 - 170
Carbon disulfide	10.0	7.75		ug/L		77	32 - 139
Carbon tetrachloride	10.0	9.40		ug/L		94	60 - 135
Chlorobenzene	10.0	9.90		ug/L		99	72 - 123
Dibromochloromethane	10.0	10.6		ug/L		106	51 - 144
Chloroform	10.0	9.48		ug/L		95	62 - 121
Chloromethane	10.0	16.0		ug/L		160	37 - 170
Chloroethane	10.0	8.05		ug/L		80	10 - 170
cis-1,3-Dichloropropene	10.0	11.9		ug/L		119	53 - 140
Bromodichloromethane	10.0	11.9		ug/L		119	63 - 132
Ethylbenzene	10.0	9.23		ug/L		92	66 - 122
Methylene Chloride	10.0	7.98		ug/L		80	51 - 137
Styrene	10.0	9.76		ug/L		98	68 - 127
Tetrachloroethene	10.0	9.20		ug/L		92	60 - 129
Toluene	10.0	10.2		ug/L		102	67 - 128
trans-1,3-Dichloropropene	10.0	10.2		ug/L		102	57 - 137
Trichloroethene	10.0	10.2		ug/L		102	67 - 121
Xylenes, Total	20.0	18.3		ug/L		92	64 - 123
Vinyl chloride	10.0	9.56		ug/L		96	47 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*52 - 151*
4-Bromofluorobenzene (Surr)	*85*		*49 - 118*
Dibromofluoromethane (Surr)	*100*		*60 - 132*
Toluene-d8 (Surr)	*103*		*53 - 124*

Lab Sample ID: LCSD 180-429226/4
Matrix: Water
Analysis Batch: 429226

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	10.0	9.51		ug/L		95	64 - 133	9	22
1,1,2,2-Tetrachloroethane	10.0	9.23		ug/L		92	47 - 147	5	35
1,1,2-Trichloroethane	10.0	10.7		ug/L		107	59 - 137	5	29
1,1-Dichloroethane	10.0	10.8		ug/L		108	59 - 125	20	20
1,1-Dichloroethene	10.0	10.0		ug/L		100	49 - 132	19	23
1,2-Dichloroethane	10.0	9.82		ug/L		98	57 - 149	2	27
1,2-Dichloroethene, Total	20.0	21.7		ug/L		108	64 - 123	13	22
1,2-Dichloropropane	10.0	11.3		ug/L		113	65 - 129	20	23
2-Butanone (MEK)	20.0	21.1		ug/L		105	35 - 158	5	35
2-Hexanone	20.0	16.6		ug/L		83	38 - 157	10	35
4-Methyl-2-pentanone (MIBK)	20.0	10.3		ug/L		51	29 - 167	6	35
Acetone	20.0	22.5		ug/L		113	29 - 163	8	35
Benzene	10.0	10.8		ug/L		108	68 - 122	13	21
Bromoform	10.0	9.89		ug/L		99	31 - 164	3	35
Bromomethane	10.0	8.56		ug/L		86	20 - 170	2	30

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

Lab Sample ID: LCSD 180-429226/4
Matrix: Water
Analysis Batch: 429226

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			10.0	10.7	*1	ug/L		107	32 - 139	32	25
Carbon tetrachloride			10.0	9.85		ug/L		99	60 - 135	5	25
Chlorobenzene			10.0	10.2		ug/L		102	72 - 123	3	19
Dibromochloromethane			10.0	10.3		ug/L		103	51 - 144	3	25
Chloroform			10.0	10.4		ug/L		104	62 - 121	9	22
Chloromethane			10.0	12.3		ug/L		123	37 - 170	27	28
Chloroethane			10.0	8.44		ug/L		84	10 - 170	5	29
cis-1,3-Dichloropropene			10.0	9.67		ug/L		97	53 - 140	21	26
Bromodichloromethane			10.0	10.1		ug/L		101	63 - 132	17	24
Ethylbenzene			10.0	9.88		ug/L		99	66 - 122	7	22
Methylene Chloride			10.0	9.91		ug/L		99	51 - 137	22	35
Styrene			10.0	9.91		ug/L		99	68 - 127	2	22
Tetrachloroethene			10.0	10.6		ug/L		106	60 - 129	14	22
Toluene			10.0	10.7		ug/L		107	67 - 128	5	22
trans-1,3-Dichloropropene			10.0	9.88		ug/L		99	57 - 137	4	25
Trichloroethene			10.0	10.4		ug/L		104	67 - 121	2	23
Xylenes, Total			20.0	19.5		ug/L		97	64 - 123	6	21
Vinyl chloride			10.0	10.5		ug/L		105	47 - 147	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 151*
4-Bromofluorobenzene (Surr)	*93*		*49 - 118*
Dibromofluoromethane (Surr)	*107*		*60 - 132*
Toluene-d8 (Surr)	*110*		*53 - 124*

QC Association Summary

Client: Key Environmental, Inc
Project/Site: ACC

Job ID: 180-153003-1

GC/MS VOA

Analysis Batch: 429125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153003-1	ALNGAC38030223	Total/NA	Water	EPA 8260D	
180-153003-2	ALNGAC37030223	Total/NA	Water	EPA 8260D	
180-153003-3	ALCGAC36030223	Total/NA	Water	EPA 8260D	
MB 180-429125/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-429125/3	Lab Control Sample	Total/NA	Water	EPA 8260D	
LCSD 180-429125/4	Lab Control Sample Dup	Total/NA	Water	EPA 8260D	

Analysis Batch: 429226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153003-3 - DL	ALCGAC36030223	Total/NA	Water	EPA 8260D	
MB 180-429226/7	Method Blank	Total/NA	Water	EPA 8260D	
LCS 180-429226/3	Lab Control Sample	Total/NA	Water	EPA 8260D	
LCSD 180-429226/4	Lab Control Sample Dup	Total/NA	Water	EPA 8260D	

TestAmerica Pittsburgh

301 Alpha Drive

Pittsburgh, PA 15238
Phone: 412.963.7058 Fax: 412.963.2470

Chain of Custody Record

112390

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

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

8106 7288 9358

Client Contact	Project Manager: Michelle Tice	Site Contact: Dave M	Date: 03-02-23	COC No:
Company Name: Key Environmental Inc	Tel/Fax: 412-498-5240	Lab Contact: Shali B.	Carrier: FedEx	1 of 1 COCs
Address: 200 Third Avenue	Analysis Turnaround Time			Sampler:
City/State/Zip: Carnegie PA. 15106	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-279-3363	TAT if different from Below 3 day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: KAC 23601 01	☐ 1 week			
Site: ACC-Lock Haven PA	☐ 2 days			Job / SDG No.:
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)	8260C TCL 3.2 VOA	Sample Specific Notes:
ALNGAC38030223	3-3-23	0920	G	W	3	N	N	3	
ALNGAC37030223	3-223	0940	G	W	3	N	N	3	
ALCGAC36030223	3-223	0958	G	W	3	N	N	3	

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

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

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

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

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

Special Instructions/QC Requirements & Comments:

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

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
David McCoy	FTS 3-2-23	1130	Mark Offley	FedEx	3-3-23 10:20
Relinquished by:	Company:	Date/Time:	Received by:		Date/Time:
Relinquished by:	Company:	Date/Time:	Received in:		Date/Time:

180-153003 Chain of Custody

3/16/2023

Login Sample Receipt Checklist

Client: Key Environmental, Inc

Job Number: 180-153003-1

Login Number: 153003
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT B

FIELD SAMPLING FORMS

FTS

WELL NO.: ALAPW-01

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 Date: 02-07-2023 Time: Start: 1000 am/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event Finish: 1040 am/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s Collector: BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) Well Casing Type: N/A
Depth to Water: N/A (ft) Casing Diameter: N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf) (e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	4.15	6.46	0.666	8.56	-70.5	2.50	
1	4.14	6.48	0.671	1.09	-76.5	0.00	
2	4.15	6.50	0.674	0.63	-87.0	0.00	
3	4.15	6.50	0.675	0.56	-86.9	0.00	
4	4.16	6.50	0.675	0.49	-84.6	0.00	
			CA 2/7/23				CA 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling pot w/ dedicated tubing
Sample Identification (name, time, date): ALAPW01020723 02-07-2023 1030
QC Samples (name, time, date): None

Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).

Comments:

WELL NO.: ALAPW-02

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 **Date:** 02-07-2023 **Time: Start:** 0915 (am/pm)
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event **Finish:** 0955 am/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s **Collector:** BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) **Well Casing Type:** N/A
Depth to Water: N/A (ft) **Casing Diameter:** N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf)
(e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	3.61	6.08	0.763	4.41	-56.1	1.48	
1	3.56	6.07	0.727	1.32	-71.5	0.00	
2	3.58	6.10	0.705	0.69	-83.6	0.00	
3	3.59	6.12	0.698	0.60	-86.6	0.00	
4	3.58	6.13	0.688	0.43	-91.1	0.00	
				CA 2/7/23			CA 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling post w/ dedicated tubing
Sample Identification (name, time, date): ALAPW020723 02-07-2023 0945
QC Samples (name, time, date): ALDUP020723 02-07-2023 0945
ALREP020723 02-07-2023 1200
Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).
Comments:

FTS

WELL NO.: ALAPW-03

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 **Date:** 02-07-2023 **Time: Start:** 1120 am/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event **Finish:** 1155 am/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s **Collector:** BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) **Well Casing Type:** N/A
Depth to Water: N/A (ft) **Casing Diameter:** N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf) (e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	4.01	6.37	0.662	19.01	-68.1	0.20	
1	3.94	6.31	0.618	1.46	-75.1	0.00	
2	3.94	6.33	0.605	1.01	-77.6	0.00	
3	3.95	6.31	0.595	0.72	-81.7	0.00	
4	3.96	6.31	0.592	0.65	-82.0	0.00	
				CA 2/7/23			CA 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling port w/ dedicated tubing
Sample Identification (name, time, date): ALAPW03020723 02/07/2023 1140
QC Samples (name, time, date): none

Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).

Comments:

WELL NO.: ALAPW-04

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 Date: 02-07-2023 Time: Start: 1045 (am)/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event Finish: 1115 (am)/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s Collector: BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) Well Casing Type: N/A
Depth to Water: N/A (ft) Casing Diameter: N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf) (e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	4.44	6.25	0.709	14.32	-56.9	0.43	
1	4.45	6.21	0.704	1.04	-76.7	0.00	
2	4.46	6.21	0.703	0.82	-81.6	0.00	
3	4.47	6.21	0.702	0.79	-82.2	0.00	
4	4.47	6.22	0.702	0.77	-82.7	0.00	
				CA 2/7/23			CA 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling port w/ dedicated tubing
Sample Identification (name, time, date): ALAPW04020723 02-07-2023 1105
QC Samples (name, time, date): ALMS020723 02-07-2023 1105
ALMSD020723 02-07-2023 1105
Analytical Parameters TCL-VOC's(8260C) and TCL SVOC's (8270C).
and Methods:
Comments:

WELL NO.: ALAPW-05

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 Date: 02-07-2023 Time: Start: 0830 (am)/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event Finish: 0906 (am)/pm
Location: Lock Haven, PA
Weather Conditions: Cloudy, 40s Collector: BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) Well Casing Type: N/A
Depth to Water: N/A (ft) Casing Diameter: N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf) (e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. CA 2/7 (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	4.36	5.72	1.172	~~70.1~~ 8.66	9.8	0.00	
1	4.25	5.79	0.989	2.64	-37.1	0.00	CA 2/7/23
2	4.24	5.90	0.922	1.48	-62.5	0.00	
3	4.24	5.98	0.868	0.92	-84.1	0.00	
4	4.24	5.99	0.827	0.64	-96.1	0.00	
				CA 2/7/23			

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling Port w/ dedicated tubing
Sample Identification (name, time, date): ALAPW-05 020723 2-7-23 0900
QC Samples (name, time, date): NONE

Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).

Comments:

WELL NO.: ALARW-01

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 Date: 02-07-2023 Time: Start: 1245 am/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event Finish: 1315 am/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s Collector: BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) Well Casing Type: N/A
Depth to Water: N/A (ft) Casing Diameter: N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf) (e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	2.15	6.01	0.445	28.67	-23.5	0.00	
1	1.75	5.55	0.406	2.22	3.6	0.00	
2	1.75	5.57	0.397	3.67	5.8	0.00	
3	1.75	5.59	0.395	4.82	5.6	0.00	
4	1.76	5.58	0.393	5.57	5.9	0.00	
				CM 2/7/23			CM 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling port w/ dedicated tubing
Sample Identification (name, time, date): ALARW01020723 02-07-2023 1300
QC Samples (name, time, date): none
Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).
Comments:

WELL NO.: AL-ARW-02

GROUNDWATER SAMPLE COLLECTION RECORD

Project No.: 23601-02 **Date:** 02-07-2023 **Time: Start:** 1210 am/pm
Project Name: ACC Groundwater Program - 1st Quarter 2023 Monitoring Event **Finish:** 1245 am/pm
Location: Lock Haven, PA
Weather Conditions: Sunny, 40s **Collector:** BS, CA

1. WATER LEVEL DATA (measured from top of well casing)

Total Casing Length: N/A (ft) **Well Casing Type:** N/A
Depth to Water: N/A (ft) **Casing Diameter:** N/A (in)
Length of Water Column: N/A (ft)
Well Volume: N/A (gal)

Conversion Factors (cf)
(e x cf = f)

Casing I.D. (in)	Conv. Fact.
1	0.041
2	0.163
3	0.367
4	0.653
6	1.470

2. WELL PURGE DATA

Purge Method: Peristaltic Pump with Dedicated Teflon Lined Tubing
Field Testing Equipment: YSI 556 07B1599 Lamotte 2020e ME-12296
Number of Well Volumes to Remove: Three to Five
Required Total Purge Volume: 4.0 (gallons)

Vol. Purged (Gal)	Temp (° C)	pH (s.u.)	Conductivity (mS/cm)	Diss. Oxy. (mg/l)	ORP (mV)	Turbidity (NTU)	Notes
Int	2.03	6.01	0.510	25.88	-60.5	2.67	
1	1.96	5.65	0.499	7.39	-58.8	0.00	
2	1.95	5.77	0.495	1.87	-61.1	0.00	
3	1.95	5.79	0.492	1.68	-64.7	0.00	
4	1.95	5.80	0.490	1.59	-65.2	0.00	
					CA 2/7/23		CA 2/7/23

3. SAMPLE COLLECTION INFORMATION

Sampling Method(s): Sampling pump w/ dedicated tubing
Sample Identification (name, time, date): AL-ARW02020723 02-07-2023 1230
QC Samples (name, time, date): none

Analytical Parameters and Methods: TCL-VOC's(8260C) and TCL SVOC's (8270C).

Comments:

APPENDIX A - SYSTEM SAMPLE COLLECTION FORM
OPERATIONS AND MAINTENANCE PLAN - VOLUME I
MONITORING AND MAINTENANCE PLAN
AMERICAN COLOR CHEMICAL, L.L.C.
DRAKE CHEMICAL SUPERFUND SITE
LOCK HAVEN, PENNSYLVANIA

ACC / DRAKE

Operator DAVE MILLER Date/Time 2-7-23 / 2-8-23

SAMPLE COLLECTION FORM

ACC Northern System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP
APW-01	1030	6.50	0.675	0.0	0.49	4.16	—	-84.6
ALDOP 0945 ALREP 1200 APW-02	0945	6.13	0.688	0.0	0.43	3.58	—	-91.1
APW-03	1140	6.31	0.592	0.0	0.65	3.96	—	-82.0
ALMS ALMSD APW-04	1105	6.22	0.702	0.0	0.77	4.47	—	-82.7
APW-05	0900	5.99	0.827	0.0	0.64	4.24	—	-96.1
Influent								
After GAC Unit #								
Effluent - GAC Unit #								

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

ACC Central System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP
ARW-01	1300	5.58	0.393	0.0	5.57	1.76	—	5.9
ARW-02	1230	5.80	0.490	0.0	1.59	1.95	—	-65.2
Influent								
After GAC Unit #								
Effluent - GAC Unit #								

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

Drake System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP	
DPW-01	1500	6.10	0.401	0.0	1.43	4.75	—	98.1	2-8-23
DLDOP 1640 ALREP 1810 DPW-02	1640	6.06	0.565	0.0	0.65	5.45	—	-1.3	2-8-23
DPW-03	1545	5.59	0.599	0.0	0.84	5.54	—	104.2	2-8-23
DLMS DLMSD DPW-04	1740	4.84	0.681	0.0	0.52	4.58	—	105.2	2-8-23
Influent									
After GAC Unit #									
Effluent - GAC Unit #									

OTHER
Effluent color and odor free? (Circle one - Yes / No)

COMMENTS

APPENDIX A - SYSTEM SAMPLE COLLECTION FORM
OPERATIONS AND MAINTENANCE PLAN - VOLUME I
MONITORING AND MAINTENANCE PLAN
AMERICAN COLOR CHEMICAL, L.L.C.
DRAKE CHEMICAL SUPERFUND SITE
LOCK HAVEN, PENNSYLVANIA

Operator D. Miller Date/Time 1-25-23

SAMPLE COLLECTION FORM

ACC Northern System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP
APW-01								
APW-02								
APW-03								
APW-04								
APW-05								
Influent	1140	6.42	0.666	1.27	0.50	4.38	—	-143.4
After GAC Unit #37	1050	6.24	0.692	0.0	0.66	4.48	—	-60.7
Effluent - GAC Unit #38	1030	6.19	0.718	0.0	0.97	4.55	—	-51.1

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

ACC Central System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP
ARW-01								
ARW-02								
Influent	1205	5.86	0.479	1.63	1.18	2.12	—	-75.7
After GAC Unit # —								
Effluent - GAC Unit #36	1115	6.12	0.499	0.0	0.61	2.92	—	-179.7

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

Drake System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters pH	Cond	Turb	DO	Temp	Sal	ORP
DPW-01								
DPW-02								
DPW-03								
DPW-04								
Influent	0935	5.52	0.815	1.03	0.93	5.51	—	49.2
After GAC Unit #77	0915	5.54	0.855	0.0	0.65	5.84	—	52.1
Effluent - GAC Unit #78	0855	5.39	1.011	0.0	1.16	5.68	—	69.0

THER
fluent color and odor free? (Circle one - Yes / No)

COMMENTS

APPENDIX A - SYSTEM SAMPLE COLLECTION FORM
OPERATIONS AND MAINTENANCE PLAN - VOLUME I
MONITORING AND MAINTENANCE PLAN
AMERICAN COLOR CHEMICAL, L.L.C.
DRAKE CHEMICAL SUPERFUND SITE
LOCK HAVEN, PENNSYLVANIA

Operator DM Date/Time 2-23-23

SAMPLE COLLECTION FORM

ACC Northern System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters						
		pH	Cond	Turb	DO	Temp	Sal	ORP
APW-01								
APW-02								
APW-03								
APW-04								
APW-05								
Influent	X	6.03	0.779	0.43	0.67	4.34	—	-21.6
After GAC Unit #37	1015	6.63	0.771	0.0	0.71	4.50	—	-54.3
Effluent - GAC Unit #38	0955	6.05	0.782	0.0	0.80	4.64	—	-51.4

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

ACC Central System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters						
		pH	Cond	Turb	DO	Temp	Sal	ORP
ARW-01								
ARW-02								
Influent	X	5.81	0.539	0.67	1.28	2.93	—	-43.2
After GAC Unit # X								
Effluent - GAC Unit #36	1035	5.73	0.555	0.0	0.96	3.68	—	-132.0

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

Drake System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters						
		pH	Cond	Turb	DO	Temp	Sal	ORP
DPW-01								
DPW-02								
DPW-03								
DPW-04								
Influent	X	5.45	0.829	1.21	0.93	5.27	—	90.6
After GAC Unit #77	0900	5.44	0.863	0.0	0.87	5.26	—	98.9
Effluent - GAC Unit #78	0835	5.45	1.017	0.0	1.07	5.53	—	102.6

THER
ffluent color and odor free? (Circle one - Yes / No)

COMMENTS

APPENDIX A - SYSTEM SAMPLE COLLECTION FORM
OPERATIONS AND MAINTENANCE PLAN - VOLUME I
MONITORING AND MAINTENANCE PLAN
AMERICAN COLOR CHEMICAL, L.L.C.
DRAKE CHEMICAL SUPERFUND SITE
LOCK HAVEN, PENNSYLVANIA

Operator DM Date/Time 3-2-23

SAMPLE COLLECTION FORM

ACC Northern System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters: pH	Cond	Turb	DO	Temp	Sal	ORP
APW-01								
APW-02								
APW-03								
APW-04								
APW-05								
Influent		6.13	0.739	0.37	1.04	4.49	—	-108.4
After GAC Unit #37	0940	6.09	0.805	0.0	0.93	4.55	—	-45.0
Effluent - GAC Unit #38	0920	6.14	0.822	0.0	1.03	4.64	—	-28.2

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

ACC Central System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters: pH	Cond	Turb	DO	Temp	Sal	ORP
ARW-01								
ARW-02								
Influent		5.65	0.522	1.04	0.96	2.55	—	-71.2
After GAC Unit #								
Effluent - GAC Unit #36	0958	5.76	0.549	0.0	0.69	3.57	—	-137.8

OTHER
Is effluent color and odor free? (Circle one - Yes / No)

Drake System Samples Collected? (Circle one - Yes / No)

Location	Sample Time	Analytical Parameters: pH	Cond	Turb	DO	Temp	Sal	ORP
DPW-01								
DPW-02								
DPW-03								
DPW-04								
Influent		5.48	0.858	0.47	0.80	4.93	—	85.0
After GAC Unit #77	0820	5.42	1.017	0.0	0.86	5.07	—	95.3
Effluent - GAC Unit #78	0800	5.40	1.196	0.0	0.97	5.19	—	104.9

OTHER
Effluent color and odor free? (Circle one - Yes / No)

COMMENTS